The Surprisingly Limited Impact of the Thai Crisis on Labor Including on Many Allegedly "More Vulnerable" Workers

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***International Centre for the Study of East Asian Development (ICSEAD), 11-4 Otemachi, Kokurakita, Kitakyusyu, 803-0814 Japan, Telephone 81-93-583-6202, Fax 81-93-583-6576).

Thailand was the first of the Asian developing economies to experience the financial crisis of the second half of the 1990s. In 1997 speculation on currency devaluation intensified, official foreign reserves were rapidly depleted, the currency subsequently was allowed to float and devalued considerably, over half of the finance companies (56 out of 91) were closed, the annual growth rate in real GDP per capita declined to -2.3% in 1997 and to -10.4% for 1998 from 4.5% for 1996 and from an average of 7.2% for 1990-5, and real GDP per capita relative to the underlying secular growth trend for the 1990s fell compared to the peak in 1996 by -5.2% in 1997, -20.2% in 1998, and -20.5% in 1999.[1] For most Thais the most important manifestations of the financial crisis presumably are through the labor market because the most important earning assets of most Thais -- particularly for the poorer members of society -- are their labor. The unemployment rate (for February or Round 1 survey) was fairly stable for 1995-7 (2.3%, 2.0%, 2.2%) but then more than doubled in 1998 (4.6% or 1.48 million people) and further increased in 1999 (5.2% or 1.64 million people).

But the aggregate unemployment rate may only tell part of the story regarding the labor market and related impact of the crises. Employment/unemployment status in the Thai labor force data is defined by whether one worked at least one hour for payment or as unpaid family worker in the survey week or had a regular job in which one was not working temporarily. There may have been important effects beyond unemployment per se on labor force participation and, for those employed, on the mean and dispersion of hours worked and the extent to which hours worked are low ("underemployment"), the mean and dispersion of wages and the extent to which wages are at low levels, work status regarding type of employer, sector of employment, and extent of formal versus informal employment For those unemployed, further, there may be effects on duration of looking-for-work.

There may have been a process of "downward bumping," for example, in which at the margin more-skilled and more-established workers accepted lower wage positions formerly held by lower-skilled and less-established workers, workers moved from the formal to the informal sector, many workers reduced their hours, and females were squeezed out of employment by males. The effects may have been small, for instance, for some relatively highly educated prime-age males in certain formal-sector occupations but much larger for low-educated youth or older persons who are on the fringes of the labor market or for women. Or, in the context of the present crisis, some of those who with the highest education and in the most modern occupations may have been most affected if there was not much "downward bumping." Workers in sectors that were most directly affected by the macro crisis, such as those that produce investment goods may have been affected disproportionately. Recent migrants to the Bangkok Metropolitan Area (BMA) may have

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[1] The last estimates are based on the data for the 1990s in Table 8 below They focus on how much real GDP per capita differs from the secular trend each year, and – because this secular trend is positive – incorporate the secular growth not realized in addition to any decline in measured real GDP per capita Kakwani and Pothong (1998) construct a similar measure of the macro crisis and estimate it to be -19 2 and -24 8% of the pre-crisis secular trend extrapolated into 1998 for the first and third quarters of 1998

been more vulnerable to the reduced labor market demands than long-time residents. All of these and other effects may have considerable impact on the distribution of earnings in general and on those in the lower tail of the earnings distribution in particular. All of these effects may vary considerably, moreover, among categories defined by age, sex, educational attainment, migration status, marital status and region and, among those working, sector and type of employment. Some groups actually may have gained while others experienced losses, details that are not revealed in the aggregate numbers. To understand fully the impact of the financial crisis on labor market outcomes, thus, it is critical to consider (a) the range of channels of possible effects and (b) variations of these effects on different persons categorized by characteristics such as age, sex, educational attainment, migration status, marital status and region and among those working, sector and type of employment Previous studies suggest that some of these groups were hit particularly hard by the macro crisis. For example, Knowles, Pernia and Racelis (1999) and Pongsapich and Brimble (1999) suggest that women, less educated, and the elderly workers are more negatively affected. Kakwani and Pothong (1999), in contrast, found that there was larger increase in the unemployment rate among males than females but also found that the less educated were more affected.

The objectives of this paper are to investigate the impact of the recent Thai financial crisis not only on unemployment, but on the range of labor market outcomes noted above: labor force participation, the mean and dispersion of hours worked and the extent to which hours worked are low ("underemployment"), the mean and dispersion of wages and the extent to which wages are at low levels, work status regarding type of employer, sector of employment, the extent of formal versus informal employment and, for those unemployed, further, the duration of looking-for-work. We place particular emphasis on what have been the effects on demographic/work experience/education groups that are thought to be particularly vulnerable to labor market shocks and relatively poor. We investigate, for example, whether the effects have been larger for females than for males, for recent migrants than for long-time residents, for those who are not currently married but divorced/widowed/separated, as well as for those residing outside of the BMA. We consider throughout, finally, whether there are seasonal differences in the effects. In particular are the differences between the February round of data collected in the dry season when agricultural activity is low and the August round of data when agricultural activity is high.[2]

[2] Our concerns partially overlap, therefore, those of other recent studies of the social and distributional impacts of the Thai crisis (e.g., Kakwani 1999, Kakwani and Pothong 1998, Kittiprapas 1999, and Pongsapich and Brimble 1999) but we focus more on the labor market outcomes and, as noted below, come to some different conclusions than some of these studies.

We organize this paper as follows. Section 1 introduces the basic data source used. Section 2 presents summaries of major labor force variables for 1995-9. Section 3 presents time patterns in unemployment and wages for groups that are thought to be particularly vulnerable to the labor market changes caused by the financial crisis -- those with low education, young and old, recent migrants, unmarried and in the BMA. Section 4 presents simple multivariate relations with labor market dependent variables and with age, sex, educational attainment, migration status, marital status, and region to see whether coefficient estimates differ significantly before and after the crisis. Section 5 concludes.

Section 1. Data and Time Patterns in Key Labor Market Variables in 1995-1999

Our basic data source is the Thai Labor Force Surveys (LFS) conducted by the National Statistical Office (NSO). This survey was initiated in 1963, with two rounds a year since 1971, a third round added in 1984, and a fourth round added in 1998. The current four survey rounds are I (February, dry season), II (May, rainy season), III (August, pre-harvest season), and IV (November, harvest season). Since 1994 the NSO has used expanded sample sizes with a stratified two-stage sampling design (with the BMA and 75 provinces as strata) in order to allow analysis at a fairly disaggregated level. The number of households surveyed in each round for 1990-1999 is given in Table 1. For 1990-1993 the sample size was a little less than 30,000 households. For 1994-1999, the sample size was more than doubled to a little more than 60,000 households in the two-stage sampling design noted. For 1997, for example, a total of 60,672 households were interviewed (3,000 in the BMA, 24,060 in other municipal areas, and 36,612 in non-municipal areas). The sample, thus, is sufficiently large to permit the disaggregations suggested above among types of labor market effects and how they may differ among persons categorized by age, sex, educational attainment, migration status, marital status and region.

We utilize in this paper the two survey rounds on which attention usually is focused on which data have been gathered since 1971: I (February, dry season) and III (August, pre-harvest season). These two rounds cover the low- and high-agricultural activity periods, between which overall labor conditions differ considerably because of differential agricultural activity It is an empirical question that we investigate, however, whether the labor market changes due to the Thai financial crisis differ much between these two rounds. Because the direct impact of the crisis *a priori* would seem to have centered on urban activities, particularly in the BMA, there may not be much seasonal difference in these effects that are associated with agricultural seasons even though the agricultural sector is a large employer. On the other hand, as noted in the introduction, other studies claim that the impacts were greater outside of the BMA due to migration and spillover effects, so there may be important differences across the seasons and survey rounds.

We use the standard NSO definitions for most of our variables:

Employed persons: Persons age 13-60 "who during the survey week (1) worked at least one hour for wages, profits, dividends or other kind of payment, in kind; or (2) did not work at all but had regular jobs, business enterprises or farms from which they were temporarily absent because of illness or injury, vacation or holiday, strike or lockout, bad weather, off-season or other reasons, such as temporary closure of the work place, whether or not they were paid by their employers during their period of absence, provided that in the case of a temporary closure of the work place, the expectation was that it would be reopened within 30 days from the data of closure and they would be recalled to their former job; or (3) worked for at least one hour without pay in business enterprises or on farms owned or operated by households heads or members."

Unemployed persons: Persons, 13-60 years of age, "who during the survey week did not work even for one hour, had no jobs, business enterprises, or farms of their own, from which they were temporarily absent, but were available for work. Persons in this category include:

1. those who had been looking for work, during the preceding 30 days,
2. those who had not been looking for work because of illness or belief that no suitable work was available, waiting to take up a new job, waiting for agricultural season or other reasons "

Current labor force: All persons 13-60 years of age "who, during the survey week were either employed or unemployed as defined above "

Seasonally inactive labor force: Persons 13-60 years of age, "who during the survey week were neither employed nor unemployed as defined above, but were waiting for the appropriate season, being person who usually worked without pay on farms, or in business enterprises engaged in seasonal activities owned or operated by the head of the household or any other member of the household."

Total labor force: All persons 13-60 years of age, "who during the survey week, were in the current labor force as defined above or were classified as seasonally inactive labor force as defined above."

Hours worked: "Hours worked mean hours actually worked during the survey week. For a person holding more than one job, his [her] hours worked would be the sum total of hours worked on all jobs. For a person who had a regular job but was not at work during the survey week, the number of hours normally worked in a week is taken as the hours worked."

Wage or salary: "Wages or salaries mean basic wages or salaries payable for the specified time or piece of work, not including overtime payments, bonuses or other fringe payments."

Duration of looking for work: "Duration of looking for work is the length of time during which an unemployed person had been looking for work. It is counted from the day he [she] started looking for work to the end of the survey week."

Work status: Work status is classified under five different categories: "employer, government employee, private employee, own-account worker, and unpaid family worker."

Migrant: Persons 13-60 years of age "who had changed their places of residence from one village or municipal areas to another village or municipal areas within five years preceding the last day of the survey week. Changes [in] the place of residence within the Bangkok Metropolis Area are not considered migration."

We also use some variables that we construct from the LFS data:

Real wage rates: We calculate wage rates per hour by dividing wages or salaries by hours worked and deflating by the regional CPI.[3]

Educational attainment: We aggregate the 11 categories for educational attainment used for the LFS into seven categories: no schooling, less than primary, lower elementary, upper elementary, some secondary, upper secondary and vocational, and university (including teacher training).[4]

Formal sector employment: We follow Sussangkarn (1987) and define formal sector employment to be working as public employees (including in state enterprises), for private employers that have more than ten employees or in selected occupations (e.g., lawyers, medical doctors, executives) even if there are ten or fewer employees.

Underemployment: We define underemployment to be a dichotomous variable for working less than 20 hours per week.

Not low wage (real wage above 20th percentile in 1995): We define this variable to be a dichotomous variable for receiving a real wage above the 20th percentile in 1995. We benchmark what we mean by a low wage by using the 1995 distribution because that was the last complete year of sustained high economic growth.

Unmarried: We combine divorced, widowed and separated into an "unmarried" marital status. Single (or never married) is not included in this variable.

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3 Real wages are nominal wages deflated by regional CPI indices

4 We also created a continuous indicator of grades of school completed with zero for those who have never attended school, two for those who have completed less than Pratom 4, four for those who have completed Pratom 4 or higher but not upper elementary, six for those who have completed Pratom 6 or higher but not lower secondary, nine for those who have completed Matayomsuksa 3 or higher but not upper secondary, 12 for those who have completed Matayomsuksa 5 or higher but not college or university and for those who have completed lower secondary and then a three-year vocational or technical level, and 16 for those who completed university or teacher college. Our initial empirical explorations, however, suggested that the relations between schooling attainment and labor market outcomes are sufficiently nonlinear that we report only those results in which schooling is represented by the categories given in the text.

Section 2. Time Patterns in Key Labor Market Variables in 1995-1999

We here consider the patterns in key labor force statistics for 1995-9. We start with 1995 because it is the last year during which the GDP real per capita growth rate exceeded 5.0% (as noted above, it averaged 7.2% for 1990-5, with a range from 6.7 to 7.6% and a value of 7.6% for 1995). We continue through 1999 round I because these are the last data released at the time that this project was initiated.

We have summarized these data in a number of tables in Appendix A and figures that are presented in Appendix B.[5] These tables and figures give the numbers for different key labor force variables and, in most cases, the percentage composition and the percentage annual growth rates. These tables and figures give values separately for rounds I and III and for females and males. In what follows we refer to the particular tables and figures that are sources for the verbal summary in the text in parentheses. We also summarize the annual growth rates for some of the key variables that we discuss in Table 2. Finally we note that, though the crisis often is dated to have started with the devaluation in July 1997 and per capita real annual GDP is estimated to have declined in 1997, the LFS indicates fairly strong positive labor market conditions through round III in August 1997. Therefore the labor market impact of the crisis does not show up much in the LFS rounds I and III until 1998.

(1) Total Employment (Appendix A Tables A.1, A.1.2): Total employment peaked at 30.17 million (I) and 32.96 million (III) in 1997, fell by -2.7% (I) and by -2.3% (III) in 1998, but partially recovered by 2.0% (I) in 1999. The drop was somewhat larger for females than for males between 1997 and 1998 (-2.8 vs. -2.7% in I. -3.05% vs. -1.7% in III), but the recovery was greater for females than for males between 1998 and 1999 (2.9 vs. 1.3%). For females in I, the drop between 1997 and 1998 was 357,000 but with recovery in 1999 to 8,772 above the 1997 level. For males the drop was 459,000 between 1997 and 1998, and the 1999 level was 225,000 below the 1997 level. Thus the employment impact in I seems to have been about the same in 1998 for females and males but relatively larger for males in 1999, in contrast to frequent speculations about females being more marginal employees. But in III, the decline in 1998 indeed was larger for females. The difference between I and III suggests that agricultural changes in employment favored males relative to females.

(2) Employment by Sectors (Appendix A Tables A.1-A.1.2, Figures A.1-A.1.2): Construction had the largest decline in employment, with manufacturing a distant second. Construction employment in round I peaked in 1996 at 3,114,000 and declined from that peak by 135,000 in 1997, 1,079,000 in 1998, and by 1,562,000 in 1999 (so that employment was cut in half between 1996 and 1999). While there were larger relative declines in employment for females (the 1999-I level was only 37% of the 1996-I level) than for males (the 1999-I level was 53% of the 1996-I level), because of the predominance of males in construction the absolute drop over this period was much larger for males (1,173,000) than for females (388,000).

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[5] Figures in Appendix B are titled according to the tables in Appendix A from which data are used to plot graphs.

Manufacturing employment in round I peaked in 1997, then fell by 72,000 in 1998 and to 142,000 below the 1997 level in 1999. For females, however, the peak was in 1998 (27,000 above the 1997 level), with a decline in 1999 to 85,000 below the 1998 level. For males the peak was in 1997, with a decline of 99,000 in 1998 and a slight recovery of 15,000 in 1999. For round III, in contrast, total employment in manufacturing decreased each year after 1995 to a level in 1998 that was -4.2% below that in 1995. For this round females had a large drop of -4.8% between 1995 and 1996 – before the crisis of 1997 and relatively small changes thereafter. Males, in contrast, had an increase of 2.9% between 1995 and 1996, but decreases of -2.3% and -3.7% for the first two years of the financial crisis. For round III (with more ambiguity for round I), thus, it appears that in terms of manufacturing employment as for construction employment in both rounds males were affected more by the crisis than females.

Agriculture, services and other sectors all had increases in employment between 1997-I and 1999-I, but not sufficiently large increases to offset the declines in construction and manufacturing. Agricultural employment, after declining secularly for some time, increased significantly in 1999-I for both females (366,000) and males (539,000). Services increased by 330,000 between 1997-I and 1998-I and by a further 157,000 in 1999-I, with most of these increases for females (206,000 and 80,000, respectively). The remaining sectors increased by 136,000 in 1998-I and a further 82,000 in 1999-I, again more for females (101,000, 102,000) than for males (37,000, -20,000). For round III total agricultural employment increased 2.8% in 1997 after the crisis started (in contrast to the decline in round I before the crisis started in that year), apparently absorbing some of the labor that became available from the declines in manufacturing and construction. Both females and males increased employment in 1997-III by about the same percentages (2.9%, 2.7%), but males showed a further larger increase by 1998-III (4.1%) in contrast to a sharp fall for females (–5 6%). The relatively large increase in employment of males in agriculture in 1998-III partially offset the relatively large increases (or smaller decreases) for females in most other sectors.

(3) Formal/Informal Employment (Appendix A Tables A.2-A 2.2, Figures A 2.-A.2.2) The informal sector is often thought to be a residual sector that secularly declines with development but which acts as a employment buffer with counter cyclical fluctuations Informal employment in fact declined from 69 3% of total employment in 1996-I to about 68% in the next two years to 66.4% in 1998-I but with a resurgence to 68.6% in 1999-I The share of female employment in the informal sector was slightly (0.6 to 4.6%) higher than the share of male employment in the informal sector, with similar short-run fluctuations but with some tendency towards convergence. The share of informal employment in total employment in round III was a little over 5% higher than in round I for 1995-7 and but increased to 6.8% higher in 1998. That informal sector employment is higher in round III than in round I reflects the predominance of family farms in agricultural employment and that round III is during a more active agricultural season than round I For round III the downward secular trends and the pattern of fluctuations appear similar to those for round I except that the share of male employment in the informal sector increased to 72.4% in 1998-III The informal sector, thus, apparently did serve to provide some residual employment during the financial crisis, with its secular decline in the share of employment arrested and

reversed, somewhat more for males than females. But this occurred with a lag. Employment in the formal sector increased by 2.6% in 1998-I, with almost all of this increase due to females (7.4%) and then declined in 1998-III (-2.4%) and in 1999-I (-4.8%), with larger declines for males in both cases.

(4) Labor Force Participation Rates (Appendix A Tables A.3 - A.3.1, Figures A.3-A.3.1): LFP rates for round I declined from the peak of 70.1% in 1996 to 69.2% in 1997 and 68.5% in 1998, with a slight increase to 68.9% in 1999. The declines between 1996 and 1997/8 were largely due to females and the increase between 1998 and 1999 was due entirely to females. For round III the biggest drop was in 1996, with that for females (-3.2%) more than twice as large as for males (-1.4%). Between 1996 and 1997 the LFP rate actually increased slightly, due to a 0.9% rise for females that more than offset a -0.2% decline for males. Between 1997 and 1998 the LFP rate then declined by -1.5%, again with the decline for females of -2.4% much larger than the decline for males. Thus the LFP rates in round I seemed to respond negatively initially to the financial crisis and then start to recover by early 1999, with larger changes for females than for males which is consistent with females being more marginal workers in the labor force. During round III with the greater agricultural activity, however, changes in LFP seemed to be dominated by agricultural conditions so the patterns differ, but those for females continue to be much larger than those for males. For both rounds, thus, even though the LFP participation rates for females are from 17.3 to 18.2% lower for males in round I and from 13.7 to 15.0% lower in round III, it is the changes in female LFP that dominate the overall changes because females are much more likely to be close to the margin regarding whether or not to participate in the labor force.[6]

(5) Unemployment Rates (Appendix A Tables A.4 – A.4.1, Figures A.4-A.4.1): The unemployment rate for round I increased from a trough of 2.0% in 1996 to 2.2% in 1997 to 4.6% in 1998 to 5.2% in 1999. While there apparently was a substantial increase in the unemployment rate associated with the financial crisis, it did not become really high in comparison with rates reported for a number of other countries. The rates for females were about 0.5 or 0.6% higher than those for males except in 1998 when they were slightly lower than for males. The unemployment rate for round III persistently was about 1.0% lower than that for round I, reflecting the importance of the increased seasonal agricultural demand: 1.1% in 1995 and 1996, 0.9% in 1997, and 3.4% in 1998. Note that for 1997, the round I rate increased a little from the previous year and the round III rate decreased a little from the previous year even though the April date that often is used to represent the start of the crisis was between these two rounds. This reflects again that the 1997 agricultural year apparently had relatively strong labor demands independent of the crisis. The round III rates for females exceeded those for males slightly in 1995 and 1996, but were the same as for males in 1997 and 1998.

(6) Percentage of Workers Working Less than 20 Hours a Week -- Underemployment Rate (Appendix A Tables A.5 – A.5.1, Figures A.5-A.5.1): In addition to effects on labor

[6] That the gap between female and male LFP rates is systematically less in round III when agricultural activity is much higher than in round I also reflects that females tend to be more at the margin of labor force participation

force participation and on the unemployment rate, the crisis may have reduced the hours worked of those employed. Of particularly interest may be the effects on those who are working relatively few hours, as is measured by traditional indicators of underemployment. Here we use the unemployment rate to represent the proportion of employed who are working less than 20 hours per week. The underemployment rate in round I fell from 2.1% in 1996 to 1.8% in 1997 and then increased to 5.0% in 1998 and declined to 2.9% in 1999. Thus there was a relatively large increase in the first year after the crisis started, though substantial recovery in the next year. The underemployment rate in round III increased from 1.8% in 1996 to 2.2% in 1997 to 2.9% in 1998. The increase in 1997 for round III contrasts with the fall for round I, probably reflecting the timing of the rounds relative to April 1997 For both rounds the annual changes were relatively larger for females than for males, and in every year the rates are a little higher for females than males. These differences by gender are consistent with females being more marginal workers than males.

(7) Number of Days Looking for Work for Unemployed (Appendix A Tables A.6 – A.6.1, Figures A.6-A.6.1): The mean and standard deviations of the time looking for work in round I fell substantially between 1996 and 1997, increased some between 1997 and 1998 and then much more in 1999 (though still to only a little above the 1996 levels). The declines between 1996 and 1997, which are somewhat surprising, reflect the high 1996 values for males. Females had increasing values each year between 1995 and 1999. The post-1997 increases were larger for males than for females. This gender difference is perhaps surprising given the usual characterization of females as being more weakly attached to the labor force than males, but seems consistent with the strong employment impact on males discussed above. For round III the means for both females and males increased each year from 1995 through 1998 and the standard deviations increased except between 1995 and 1996.

(8) Work Status of Employed Persons (Appendix A Tables A.7 – A.7.2 , Figures A.7-A.7.2): The share of own-account and unpaid family workers among all workers tends to decline in the development process. In addition there are expected to be anticyclical fluctuations because this type of employment is alleged to serve as residual employment when other options lessen. For round I this share declined from 52.4% in 1995 to a trough of 50.7% in 1996, and then increased to 51.0% in 1997, 52.0% in 1998, and 54.1% in 1999 Because of the reduction of -2.7% in the total number of employed between 1997 and 1998, the increasing share in 1998 nevertheless (and perhaps somewhat surprisingly) implied a decline of 122,000 or -0.8% in the numbers in this work status between 1997 and 1998. Most of these changes were due to females – in fact males in this status increased by 183,000 or 2.2% between 1997 and 1998 but females fell by a larger amount For round III these shares are significantly higher than for round I because many agricultural workers are in this work status The round III share of own-account and unpaid family workers among all workers fell from 61.5% in 1995 to 59.8% in 1996 and then increased slightly to 60 0% in 1997 and to 61 0% in 1998 For males the share followed the same pattern while for females it followed a very similar pattern with the trough in 1997. Thus, for both females and males (more so the former in round I), own-account and unpaid family worker status appeared to be a residual status that absorbed some of the workers who would have been in paid sectors if it were not for the financial shock.

Private employees peaked in 1996 at 38 9% of the round I workers and 30.6% of round III workers and then fell slightly to 38.5% and 30.5% in 1997, fell more to 36.3% and 28 1% in 1998, and further to 34.1% in 1999-I This implied a fairly substantial drop from 1,450,000 workers in this sector between 1996-I and 999-I. For females the peaks were in 1997 and the declines smaller than for males.

The number of employers and government employees increased every year since 1996 in both rounds. The largest increase was in 1998, with growth rates of 8.3% in round I and 12.3% in round III. This is the only work status at the tripartite level of aggregation that we consider for which positive growth was recorded for total employment in 1998 (though as noted above, among males that for own account worker and unpaid family worker increased in that year, but not as much as that for females declined). While employment in the employers and government employee work status increased considerably in percentage terms in 1998, because this work status is of relatively small importance in total employment (from 10.5 to 11.9% in round I during 1995-9 and from 9.5 to 10.9% in round III for 1995-8), the increases of 264,000 and 384,000 in employment in this sector in 1998 in the two rounds only offset about a quarter and a third, respectively, of the drops in private employee and own account worker and unpaid family worker status (which totaled -1,080,000 and -1,146,000, respectively, mostly in private employees status). Thus expansion of employment in this work status, perhaps in part through conscious governmental anti-crisis employment increases, did serve to alleviate some, but only a fraction, of the employment losses elsewhere in the economy. The increases of employment in this work status in 1998 were considerable for both females and males, the growth rates were much larger – and the absolute increments somewhat larger – for females than for males.

(9) Employed Persons with Positive Own Wages (Appendix A Tables A.8 – A.8.2, Figures A.8-A 8.2): This number peaked in 1997 and then fell by -5.1 and -5.7%, respectively in the two rounds for 1998, and by another -3.7% round I for 1999. Because private employees constituted over 80% of those who received wages in 1997 (82.9 and 80.7%, respectively in the two rounds), the fairly large percentage drops in private employees receiving wages (-8.2 and -10 0%) more than offset larger percentage increases in governmental employees receiving wages in the same year (10.4 and 12.1%). There were definite gender differentials favoring female employment, with increases in female governmental employment that in percentage terms were much larger than for males and with declines in male private employment that were much larger in percentage terms for males than for females. For 1999-I, however, government employees receiving wages fell -1.2%. This still was much less than the -4.4% for private employees receiving wages, and still the changes in percentage terms favored females over males.

(10) Average Real Wage Rates (Appendix A Table A.14 – A.14.1, Figures A.14-A.14.1): Round I average real wages increased slightly (2.2%) between 1995 and 1996 and then increased more between 1996 and 1997 (7.2%) and between 1997 and 1998 (8.0%) before declining between 1998 and 1999 (-8.5%). The increase for females and for males in the 1995-1998 period were not much different (20.1% versus18.0%), as were the declines between 1998 and 1999 (-7 7%, -8.9%) – though with males faring a little less well over this

period in terms of percentage increases. The variations (standard deviations) in real wages tended to follow similar patterns, but with larger percentage changes. The round I real wage increases through 1998 apparently reflected selective job losses that were concentrated more among lower-wage workers. The impact of the real wage increases through 1998 on employee earnings were offset in part by reduced labor force participation (overall and in wage employment), reduced hours worked per week, and increased unemployment.

Round III real wages declined by -1.5% in 1996, increased by 24.0% in 1997, and declined by -14.7% in 1998. As a result the real wages in 1998 were 4.1% higher than those in 1995. The increase in 1997 again may have reflected selective job losses that were concentrated among lower-wage workers, perhaps reinforced by the apparent high labor demand in agriculture noted above. Another reason could be the lagged response in the labor market which appears to take more than a month or so to adjust as the exchange rate crisis took place at the start of July 1997 and the LFF 1997-III was conducted in August. But an increase of a quarter in real wages for these reasons between 1996-III and 1997-III seems too large and is a surprise. We do not see, moreover, that it is an artifact of the data though if the deflator that is used adjusted much more slowly to the devaluation of July 1997 than did wages and the prices that are actually relevant, this would contribute to the appearance of a real wage increase.

(10A) Average Real Wage Rates if Share of Wage Earners in Population Maintained at Pre-Crisis Levels (Appendix A Table A.32 – A32.1): The discussion above on real wage patterns refers to real wages for those employed and receiving wages abstracts from the fact noted above in point (9) that the proportion of the work force receiving real wages declined subsequent to the macro shock. The post-shock increases in mean real wages noted in (10) may be in part, thus, that some employees who would have had positive real wages in the absence of a shock instead had zero wages.[7] Here we consider alternative mean real wage calculations in which we assume (a) that the proportions of the population employed in jobs with wages are the same in subsequent years as in 1995, (b) those among the numbers who would have received wages under that assumption but who do not report positive wages are given zero wages for this calculation. This adjustment, of course, makes a difference only for years in which the numbers of individuals who actually received wages differed a lot from those who would have received wages had the 1995 proportions prevailed. For both rounds of 1998 and for 1999-I this adjustment makes a substantial difference: in 1998-I a 1.1% increase instead of 8.0% in (10) above, in 1998-III a decrease of -20.4% instead of -14.7% above, and in 1999-I a decrease of -13.6% instead of -8.5%. Between 1997 and 1998 and between 1998 and 1999 in round I, therefore, in this sense the real wage performance was less good/worse if account is taken of the reduced numbers of wage recipients. Note that this adjustment does not make a big difference in regard to the biggest surprise in the real wage data – the increase of about a quarter of the real wage in 1997-III – because the proportion of the population receiving wages in that round is not very different from that in 1995-III.

[7] Those who switched from positive wages to no wages still may have been engaged in productive nonwage activities. If so the calculation in the text in a sense overstates the productivity loss.

(11) Proportion of Workers with Real Wage above the 1995 First Quintile (Appendix A Table A.16): If there were "bumping" down of jobs, with higher-skilled individuals replacing lower-skilled ones in lower-paying jobs or if wages for lower-paying jobs were particularly squeezed by the crisis, one might expect that the proportion of workers with real wages above the 1995 first quintile would have fallen (i.e., those with real wages below this cutoff would have increased). This might have happened even if the mean real wage increased, as discussed above. If, on the other hand, primarily previously low-wage workers lost their jobs, the whole distribution of real wages for those still working may have shifted to the right so that this proportion increased. In fact until the last observation for the two rounds, this proportion increased after 1995, though at a decreasing rate with peaks at 95.3% in 1998-I and at 92.6% in 1997-III. Thus the bottom end of the real wage distribution continued to move upward through 1998-I and declined but a little in 1998-III and 1999-I. These data are consistent with selective job loses concentrated at the lower end of the distribution in response to the financial crisis. The increases in the percentage above the bottom quintile in 1995 were particularly large for females, who began in 1995 with much smaller proportions above this cutoff (71.9%, 72.9%) than had males (85.1%, 85.0%) but subsequently had proportions above the reference level that increased more rapidly so that these proportions converged substantially by the last rounds of data that we cover with 89.8 and 89.9% for females and 93.0 and 94.4% for males. In this, as in a number of other respects noted above, thus females fared better relative to males after the macro shock.

(12) Average Hours Worked per Week (Appendix A Table A.22): Real earnings are the product of real wages and hours worked. Earnings, therefore, may move in the same or opposite direction as real wages. Average hours worked per week peaked in 1995-III at 52.2 and in 1996-I at 51.4. They declined somewhat in the year prior to 1997-III (-1.2 hours) and more sharply in the year prior to 1998 (-2.9 hours), with the former smaller than the latter perhaps because 1997 was a good agricultural year, as noted above. For both rounds there was partial recovery in the next survey round (0.8 hours in 1998-III, 1.4 hours in 1999-I) The variation in hours worked increased fairly sharply in the same round in which the mean fell (1998) but declined somewhat in the next year for round I (but not round III). Thus an important component of the reduction in household income of a number of households subsequent to the initiation of the crisis was a reduction in hours worked by those still employed, additional to reductions in labor force participation and increases in unemployment rates among those participating. The increased variation in hours worked, moreover, meant that these changes probably were accompanied by greater inequality. There has not been much difference in the patterns of changes for males and females.

(12A) Average Hours Worker per Week if Proportion of Population with Positive Hours of Work were the Same as in 1995 (Appendix A Table A.33): Parallel to the discussion in (10A) on real wages, we here consider what would have been the average hours if the same proportion of the population reported positive hours as in 1995 by including in this alternative calculation of hours worked values of zero for those who did not report positive hours worked but would have reported positive values if the proportion reporting such hours was maintained as in 1995. This alternative results in a larger drop in average hours particularly in 1998 – -5.0 rather than -2.9 hours in 1998-I and -1.1 rather than 0.8 hours in 1998-III.

Section 3. Time Patterns in 1995-1999 in Real Wages and Hours Worked for Selected Groups Thought Likely to be Most Vulnerable

Females are often thought to be more vulnerable than are males to macro shocks, including in some previous assessments of the Thai experience. Section 2 notes differences and similarities between a number of labor market variables for females versus males. On net these comparisons suggest that, contrary to such views, females tended, if anything, to fare better than males.

In this section we turn to comparisons for some other groups who often are thought to be particularly vulnerable to macro shocks: those with low schooling, those adults who are relatively young or relatively old, those who are migrants, those whose marital status is widowed/divorced/separated and those living outside of the BMA. To keep the presentation of a reasonable length we focus on two key variables for both round I and III: average real wage rates and average hours worked.[8] Tables 3-7 summarize the percentage changes in these two variables for 1995-9 for round I and for 1995-8 for round III. The question of interest is whether, subsequent to July 1997 starting in 1997-III and 1998-I, did the allegedly more vulnerable groups fare worse than the others?

Low schooling: Schooling is generally hypothesized to increase adjustment capacities so that, *ceteris paribus*, those with more schooling might be expected to be able to adjust more quickly to labor market changes (e.g., Welch 1970, Schultz 1975, Rosenzweig 1995). On the other hand, those with more schooling also may have invested more in job- or firm-specific human capital and thus lose more if labor market changes reduce the returns on such investments. Table 3 gives the growth rates in real wages and hours worked for workers with primary, secondary and university schooling. For round I those with primary and secondary schooling had small real wage increases between 1997 and 1998, but those with university education had a small decline. Between 1998 and 1999, all three groups experienced declines of at least -10%, with that for those with secondary schooling somewhat larger at -12.3%. The overall effect was that real wages decreased most in percentage terms between 1997 and 1999 for those with university education, and least for those with primary schooling. For round III all three groups recorded large increases between 1996 and 1997 and large declines between 1997 and 1998, with the magnitudes of the percentage changes in both directions increasing with the level of education. The cumulative effect between 1996 and 1998 increased the real wage of those with university education by 2.5% and reduced real wages for the other two groups by -3.5%.

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[8] Two points are worth noting. (1) Though these variables are fairly central in most characterizations of labor force outcomes, focusing on them exclusively may miss some effects that are captured by other variables that are discussed in Section 2. (2) For workers receiving wages, these two variables are inter-related because the real wage rate is calculated by dividing real wages by hours worked. To the extent that there is measurement error in hours worked, for wage recipients this results in an inverse association between the two variables due to measurement error alone (and not necessarily related in any way to the inverse association along labor demand curves). Hours worked data also cover other workers who do not receive wages.

For both rounds those with primary schooling had the smallest drop in hours worked in the first post-crisis report (1998-I, 1997-III), but also had the smallest increase in the next year. The cumulative effect for two years meant that those with primary schooling had greater percentage drops in hours worked than did those with university education (though with less volatility) but less than those with secondary schooling.

Thus, those with relatively low schooling did not appear to be strongly disadvantaged in regard to changes in real wages and hours worked associated with the financial crisis. If anything, they tended to experience less negative and less volatile changes than those with secondary or university education. Therefore, though those with more schooling may be more capable of adjustment, apparently any greater adjustment capability was more than outweighed by their relative concentration in jobs and sectors that were hit harder by the financial crisis. Presumably these were primarily in non-construction sectors because construction, which was hit particularly hard, is not dominated by workers with high schooling.

Young adults and older adults versus prime-age adults: Young adults and older adults are often thought to be more vulnerable to labor market shocks than are prime-age adults, both for supply and demand reasons On the supply side, young adults are more likely to be searching for good job matches and considering further training and schooling, and older adults are more likely to be contemplating reduced hours worked and retirement. In addition, both young and older adults are less likely to have families to support than prime-age adults. On the demand side, young adults are not likely to have as much job-specific human capital and older adults are more likely to have deteriorating or obsolescent human capital. On the other hand older adults might benefit from having relatively great seniority on jobs and with employers. Table 4 summarizes the annual percentage changes in real wage rates and in hours worked for three age groups – young adults (20-24 years old), prime-age adults (25-49 years old) and older adults (age 50+). In terms of real wage changes, young adults tended to gain less during 1996-7 III and 1997-8 I and lose more in 1998-9 I and (at least relative to older adults) 1997-8 III. They also had relatively large percentage declines in hours worked in 1997-8 I and (at least relative to older adults) in 1996-7 III. The general tendency, thus, was for younger adults to be most affected by the shocks, with prime-age adults next (and in round III in some respects more affected than young adults). Older adults, in contrast, were least affected among these three age groups. Apparently for the 50+ age group the advantages of seniority outweighed the factors that might make them relatively marginal participants in the labor force.

Migrants versus non-migrants: Migrants are defined as those who have moved into an area within the past five years. Migrants might have relatively great difficulty in finding jobs and be more vulnerable to being laid off because they tend to be more recently hired. On the other hand, migrants may be more dependent on jobs for supporting themselves because they have less established family and friend support networks, so they may search harder and work harder if employed. Moreover they may be more able to move elsewhere, particularly back to their origin, if job options are bad. Table 5 gives the percentage changes in real wages and in hours worked for migrants and nonmigrants. In terms of real wage rate changes migrants clearly fared less well on average, with smaller increases in 1996-7 III and

1997-8 I and larger decreases in the following year. They also experienced larger declines in hours worked in 1996-7 III and 1997-8 I, though they recovered somewhat more in the subsequent rounds. The factors that made migrants more vulnerable to macro shocks, thus, apparently predominated.

Marital status: Single workers may be more marginal in the labor force than married workers for both supply and demand reasons that are similar to those for younger workers. Unmarried workers – divorced, widowed and separated workers – also may be relatively marginal participants, in some cases, for example, having recently entered or re-entered the labor force because of the change in their marital status and in many cases being older. Table 6 gives the percentage changes in real wages and in hours worked by marital status. Singles had the greatest volatility in hours worked and in real wage rates for round III. The unmarried had the least volatile real wage and hours changes in round III, but the most volatile real wage changes in round I. Thus there do not appear to be strong patterns by marital status though the married group tended to experience less volatility than at least one of the other two groups for both variables for both rounds.

BMA versus all Thailand: The booming growth of the Thai economy in the 1980s and early 1990s was focused substantially in the BMA – many have argued, too focused. Between 1992 and 1997, however, the per capita annual real growth rate in the BMA was only 2.9%, as compared with 6.3% for the whole country (Kakwani and Pothong, 1998, Table 5). The rest of the country was relatively marginal during the 1980s and early 1990s, but participated much more centrally in the growth in the quinquinium before the financial crisis and arguably was more at risk for a reversal of recent gains. Kakwani and Pothong, in fact, claim that though the economic crisis began in the BMA, its adverse impact was much more severe in the rest of the country. Table 7 gives the percentage changes in real wages and in hours worked for the BMA and for all Thailand. The BMA indeed had greater percentage changes in real wages and hours worked than did the rest of the country. Therefore, though the rest of the country may have benefited relatively less from the previous sustained growth, it would appear from this table also to have suffered relatively little from the macro shock, in contrast to some of the claims summarized in the introduction

Section 4. Multivariate Relations for Key Labor Market Variables and Effects of the Crises

The patterns summarized in Sections 2 and 3 suggest that there have been some important effects of the crisis on key labor market outcomes that affected different groups differentially. In this section we investigate to what extent indicators of the crisis affect standard labor market relations for the key labor market outcomes that are discussed in Section 2 and whether such effects differ among the groups thought to be vulnerable that are considered in Section 3

Section 4.1 Basic Analytical Framework

The basic framework that we use posits, as is standard in the literature, that hours worked and labor force participation decisions depend on comparisons between the expected returns to spending time in the labor force versus spending time not in the labor force. In the simplest case, the value of time spent in the labor market is given by market wages rates. The decision of whether to participate in the labor force reflects a comparison between wage rates and the value of time not spent in the labor force. We summarize the basic relations and then discuss briefly the others.

Wage rates (W) are posited to be determined by a semilog wage function with right-side variables including individual characteristics such as schooling (S), age (A), and other individual characteristics (X) and a stochastic disturbance term (e) that reflects chance events independent of the individual characteristics:

(1) $\ln W = a_0 + a_1 S + a_2 A + a_3 X + e.$

This general semilog wage relation can be derived from equilibrium investments in human capital including schooling and work experience (related to age and schooling) as in Mincer (1974) or can be viewed as a hedonic price for what characteristics are valued in labor markets, including schooling, age, sex, migrant status and marital status as in Tinbergen (1951, 1956) and Rosen (1974). X further is likely to include location because of regional variations in labor markets (particularly for the present study between the BMA and other areas). The individual characteristics may be rewarded in labor markets because they represent human capital – particularly schooling and age, to the extent that the latter is related to work experience and maturity, and sex to the extent there are sex differences in characteristics such as strength, stamina and manual dexterity that are rewarded in labor markets. But the individual characteristics also in part may represent signaling of unobserved capabilities and preferences (including longer-run labor force attachments), discrimination in labor markets (e.g., against females or recent migrants), or that groups such as recent migrants are less likely to have good information about how labor markets work.

Finally, as is well known, there generally is selectivity regarding for whom wages are observed. This results in the mean of the disturbance term in (1) being nonzero and selectivity biases in the estimated coefficients in relation (1) unless there is control for whom wages are observed. Wages are observed only for those who participate in the labor force and have a wage-paying job. Such decisions are discussed below, but are likely to depend not only on the direct wage determinants in relation (1) but also on family characteristics (F). A standard two-step procedure due to Heckman is first to estimate a probit relation for the dichotomous variable for whether wages are observed for an individual (WO) as in relation (1A) and then to use these estimates to control for selectivity by including the inverse Mills ratio (8_w) for observing wage rates that is based on the estimates of relation (1A) in the ln wage equation as in relation (1B):

(1A) $WO = b_0 + b_1 S + b_2 A + b_3 X + b_4 F + v.$

(1B) $\ln W = a_0 + a_1 S + a_2 A + a_3 X + a_4 8_w + e.$

If the underlying assumptions are satisfied, the inverse Mills ratio effectively purges the disturbance term of factors related to selectivity in labor force participation so that the estimates of the parameters in relation (1B) are not contaminated by selectivity bias. The inclusion of F in relation (1A) that determines the selected sample, but not directly in relation (1B), permits identification of the selection process and control for it. A variant of relation (1B) can be estimated with a dichotomous dependent variable to indicate whether or not wage rates are above some cutoff, such as the 20th percentile of the distribution of real wages in 1995 used in this paper.

The labor force participation decision (LFP) refers to a dichotomous variable with a value of one if an individual participates in the labor force and zero otherwise (nonparticipation). The decision regarding whether to participate depends on a comparison between expected wage rates (including the probability of receiving wages if one participates) and the value of time in other activities. The value of time in other activities may depend on any or all of the determinants of wage rates and wage employment in labor markets. But in addition, in the usual formulation, it depends on family characteristics because there is likely to be sharing of resources and responsibilities among family members, scale economies within households, and imperfect markets for many of the goods and services produced within households. Therefore the labor force participation decision is posited to depend on schooling, age, other individual characteristics, family characteristics and a disturbance term

(2) $LFP = c_0 + c_1S + c_2A + c_3X + c_4F + u.$

Because LFP is a dichotomous variable, a limited dependent estimators such as a probit or logit yields more efficient estimates than a linear probability model. Note that if all labor force participants received wages, relation (2) and relation (1A) would be identical.

Other labor market variables: We estimate similar relations to those for wages for the other labor market variables: unemployment, duration of search for work conditional on unemployment, hours worked, underemployment, work status, formal sector employment, and industry of employment. The first step refers to selection into the relevant subsample: labor force participation for unemployment, unemployment for duration of search for work conditional on unemployment, and employment for hours worked, underemployment, work status, formal sector employment.[9] The second step then uses the first step estimates to control for selectivity in the estimation of the second-stage relation akin to (1B).

Impact of the crisis: We posit that the crisis may have affected any of the parameters in the multivariate relations of interest. If the wage rate relation is interpreted as a hedonic relation in which the coefficient estimates give the prices for different individual

[9] These are all reduced-form relations that use the family characteristics for identification of the selectivity but do not permit, for example, identification of their effects on selection among non-labor force participation, unemployment, employment without receiving wages and wage employment. In principal it would be more efficient to estimate multinomial logits to control for the multiple choices and to identify their separate effects. But the Thai LFS data are not very rich regarding family characteristics so that such a strategy is unlikely to have sufficient payoff to warrant the added complexities.

characteristics, for example, all of the coefficients may depend on the state of the macro economy because the state of the macro economy may affect the prices in labor markets for individual characteristics such as schooling and age whether these represent human capital or unobserved characteristics such as labor force attachment. Likewise there may be effects if these coefficients reflect in part labor market discrimination or differential information about labor markets held by different actual or potential employees. If the prices received for individual attributes vary, this may affect all of the labor market outcomes because it induces different choices, as in the example above for labor force participation.

Economic theory does not provide very explicit guidance about how to represent the impact of the aggregate economy on the parameters of these micro labor market relations. We posit that the overall micro state can be represented by the extent to which real per capita GDP differs from the secular trend for the 1990s, which we refer to as the "macro deviation" for short. Table 8 summarizes this measure. By this measure real per capita GDP peaked in 1996 at 11.3% above the trend, which was slightly above the 1995 value of 10.3% above the trend. There were declines in 1997 to 5.2% above the trend, in 1998 to -8.9% below the trend, and in 1999 to -10.2% below the trend. Relative to the trend, therefore, the decline between 1996 and 1997 was -5.1%, the decline between 1996 and 1998 was -19.2%, and the decline between 1996 and 1997 was -20.5%. The crisis, thus, apparently resulted in substantially smaller (more negative) macro deviations than would have occurred if there were simple extrapolations from the 1996 value.

Section 4.2 Estimated Effects

We estimate the relations that are discussed in Section 4.1 using the Thai LFSs for 1990-1999. Because of seasonality, we estimate all relations separately for Round I (February) and Round III (August). We also estimate all relations separately for females and males. For each dependent variable, therefore, we present four estimates in which there are interactions between a set of individual variables and the macro deviations in addition to additive effects of the individual variables. The included individual variables relate to five age groups (with 25-49, prime-age adults, the excluded category), being a migrant, being married, resident outside of BMA residence, and seven schooling categories (with no schooling being the excluded category). This means that impact on the constant (or the additive macro deviation effect) is for the reference group of prime-age, nonmigrant, not-married females/males living in the BMA with no schooling. These estimates, thus, capture the impact of macro deviations on individuals with these different characteristics, but with control for the whole set of characteristics rather than considering each characteristics one at time as in Section 3. The tables in the text present only the interaction and additive effects for macro deviations. The macro crisis, of course, is a negative macro deviation so that if the coefficient estimate for an interaction term between a right-side variable and the macro deviation is positive, the macro crises reduced the impact of that variable on the dependent variable (and *vice versa* if the coefficient estimate is negative). The complete estimates are presented in Appendix C and D where, for comparison, each of the four relations is also presented without the macro deviation interactions (referred to as "basic" relations).

(1) Real wages (Table 9).[10] A -10% macro fall reduces the real wage rate for the reference female group by -37% in round I and by -27% in round III.[11] For the reference male group there is a 15% increase in round I and a -21% decrease in round III. For the reference groups, therefore, males fare better than females. But because of differential effects by gender for the included characteristics, on the average as noted in Section 2 females tend, if anything, to fare a little better than males.

A -10% macro deviation reduces female real wage rates by -13% for the 13-14 age group, by -6% for the 15-19 age group, and by -2 to -3% for the 20-24 age group – all relative to prime-age adult females. For older adult females there is a -7% decrease in round I but a 3% increase in round III. For males there is a -3 to -7% reduction for the 15-19 age group and a -4 to -5% reduction for the 20-24 age group – relative to prime-age adult males. But there is a 3 to 19% increase for older adult males and a 7% increase for the 13-14 age group in round I, again relative to adult prime-age males. Thus there is a dominant tendency for real wages for younger adults to fare worse than those for prime-age adults and real wages for prime-age adults to fare worse than those for older adults in response to a macro downturn.

A -10% macro deviation significantly increases wages for most schooling levels for females, relative to no schooling or just completing lower elementary schooling: by 4% for those with less than four grades of schooling, 6-11% for those with upper elementary, 15% for those with some secondary, 13-21% for those with completed secondary, and 13-32% for those with university education. A -10% macro deviation significantly increases wages for most schooling levels for males in round III, relative to no schooling or completing less than four grades of having a university education: by 4% for those with lower elementary schooling, 8% for those with upper elementary, 7% for those with some secondary and 8% for those with completed secondary. In contrast, a -10% macro deviation significantly reduces wages for males in round I by -5% for those with some secondary, -7% for those with completed secondary, and -20% for those with university education – relative to those who had completed upper elementary or less. Thus negative macro shocks appear to be associated differently with schooling for females than for males. For females they basically increase the dispersion of wages associated with different schooling levels, as those with more schooling reap relatively higher returns in comparison with those with less or no schooling. For males they either increase relatively the returns to the intermediate schooling levels relative to those with very little or very much schooling (round III) or reduce the returns from the intermediate and high schooling levels relative to no or little schooling (round I).

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[10] This discussion refers to effects at the means. The sign patterns are identical for those above the 20 percentile in terms of 1995 real wages.

[11] The ln wage function estimates in Table 9 indicates that ln wage with a -10% macro shock = -4.735*0.10 + other effects for the reference female group. Thus the ratio of the wage with a -10% macro shock to the wage with a 0% macro shock for the reference female group is e raised to the -0.4735 = 0.6228, which implies a -38% drop in the wage. Similar calculations underlie the other percentage changes presented in the text based on Table 9 (for small coefficient estimates the approximation of using the coefficient estimate from the table directly in percentage terms is good).

A -10% macro decline also has notable differences by gender for the other three individual characteristics included in the log real wage relation. The returns for those living outside of the BMA relative to those in the BMA are increased in all four estimates, but more so for males (12 to 26%) than for females (8 to 9%). The returns for migrants relative to nonmigrants are increased by 9% for females in round I and by about 1% in round III, but reduced by -3 to -12% for males. Married males gained relatively to not married males by from 2 to 4%, but married females lost relative to not married females by 6% in round I (again, with no significant difference in round III).

(2) Hours worked (Table 10): A -10% macro decline reduces average hours worked per week by -4.1 hours for reference females in round I, -3.6 hours for reference males in round I, and -2.2 hours and -1.4 for reference females and males in round III, respectively. While there is a somewhat greater effect on females than on males in round I, the more striking difference is that for both females and males the effects are much larger in round I than in round III. In part perhaps this reflects the less effect on the agricultural sector, which is much more important in employment in round III than in round I.

A -10% macro decline increases significantly average hours worked by 13-14 year old males in both rounds and by females in round III by 1.8/1.4 hours per week, relative to hours worked by prime-age adults. This suggests that these children are going to school less and working more to help their families in the macro crisis That the only significant effect for the next age group, 15-19 year olds, however, implies a reduction of -0.3 to -0.5 during round I raises questions about such an interpretation. The impact on hours worked by young adults does not vary significantly from that on prime-adults except for females in round III. But older adults significantly reduce hours worked by about -0.5 hours in round III, though part of this reduction is offset by increases of about 0.2 to 0.3 in round I – both relative to prime-age adults.

A -10% macro decline does not cause significantly differential responses across most educational levels. The only exceptions are for those with university education -- females increase their workweek by about 0.9 hours in round I and by 1.3 hours in round III, while males in round III increase their workweek by 0.4 hours.

A -10% macro decline also has some significant effects on hours worked for the other three individual characteristics considered, but with generally less strong gender differentials than for real wages. Work increases by 3.0 to 3.6 hours per week in round I and 2.0 hours per week in round III for those not residing in the BMA in comparison with those residing in the BMA. Work increases by 0.2 to 0.4 hours per week in round I for those married in comparison with those who are not married. Male migrants in both rounds reduce hours per week in comparison with nonmigrants by about -0.3 to -0.4 hours per week, though female migrants in round I increase their hours worked per week by about 0.3 and no significant effect is found for female migrants in round III.

(3) "Underemployment -- whether worked less than 20 hours a week (Table 11): A -10% macro decline is associated with increases in the probabilities of underemployment of from 0.03 to 0.04 for the reference females and slightly less of from 0.02 to 0.03 for the

reference males. Only females in the 20-24 and 50+ age groups in round III were significantly more likely (by 0.004 and 0.002, respectively) to increase underemployment than prime-age adults. On the other hand, both females and males in the 13-14 age group have reduced probabilities of underemployment – from -0.01 to -0.02 for females and -0.01 for males. The same holds in round I for females in the 20-24 age group (-0.003) and for both females (-0.007) and males (-0.003) in the 50+ age group. Therefore, in terms of increased underemployment due to macro declines, there is some tendency for females to experience greater increases than males but the younger and older adult groups tend to fare as well or better than prime-age adults

A -10% macro decline has very little differential impact on probabilities of underemployment across different schooling levels in round I. The only significant differences from the no schooling reference groups are for males with very limited schooling – a reduction of -0.004 for those with less than four grades of schooling and of -0.002 (at the 10% level) for those with lower elementary schooling. But for round III for every schooling level for both females and males those with some schooling have significantly smaller increases in the probabilities of underemployment than do those with no schooling. For females these probabilities are -0.004 less for some schooling up through upper elementary schooling, but over twice as large at -0.01 for some secondary and university with upper secondary at -0.01. For males, in contrast, the strongest effects are for the lower and middle schooling levels, increasing in absolute values from -0.005 to -0 008 for the range from less than four grades to upper elementary schooling, and -0 01 for upper secondary and university.

A -10% macro decline increases significantly the probability of underemployment by about 0.002 for male migrants in both rounds and for female migrants in round III and for married females by about 0.004 in round III. It reduces significantly the probability of underemployment by -0.01 to -0.03 for those not resident in the BMA and by -0 002 to -0.008 for those married in round I (with larger absolute values for females than for males in both cases)

(4) Labor force participation (Table 12): A -10% macro decline increases significantly the probability of LFP for the reference females by 0.06 in round I and by 0.04 in round III and for the reference males by 0.02 in round I. It increases significantly LFP for some of the younger groups relative to prime-age adults: by from 0.03 to 0.08 for females and 0.02 to 0.04 for males in the 13-14 age group, by 0.04 for females in round III and by 0.01 to 0.03 for males in the 15-19 age group, and by 0.02 for males in round III in the 20-24 age group – though there also is the opposite significant decline of -0.01 for females in round I in the 15-24 age group. Thus the dominant tendency, somewhat more for females than for males, is for increased labor force participation, particularly by younger workers, as apparently family members are shifted out of school, home production and other activities to attempt to help their families deal with the macro crisis

A -10% macro decline significantly increases LFP relative to those with no schooling only in round III for males with limited schooling (no more than lower elementary) by about 0 01 and for females with upper elementary by about 0 02. It significantly reduces LFP by -

0 01 to -0.02 relative to those with no schooling for both males in round I with less than four grades of school, for both females and males in round I with upper elementary, for both females and males in round III with some secondary and for both females and males in round I and females in round III with upper secondary and by -0.02 to -0.03 for both females and males in round I and females in round III with university education. Therefore, LFP tends to increase less for those with more schooling than for those with less or no schooling.

A -10% macro decline increases significantly LFP for male migrants in round I, but reduces it by about -0.01 to -0.02 for female migrants in round I and for both females and males in round III, all relative to nonmigrants (and with the larger differences for round III). It reduces LFP participation significantly by -0.01 to -0.06 for females and by -0.0 to -0.02 for males not residing in the BMA relative to those living in the BMA. It increases significantly female LFP by 0.01 for those married in round I, but reduces it by slightly less for females married in round III relative to those who are not married.

(5) Unemployment rates (Table 13): A -10% macro decline causes significantly increases in unemployment rates of from 0.005 to 0.007 for reference females in both rounds and of about 0.008 for reference males in round III. These changes are about 0.003 greater for males 50+ in round I, but are about -0.003 to -0.004 less for females 50+ in round I and for both females and males 50+ in round III. In round III they also are about -0.003 less for males 13-19 years old and -0.007 less for females 13-14 years old. Thus there are fairly small significant effects on unemployment rates, that tend to be significantly smaller yet for some of the younger and older workers relative to those for prime-age adults.

A -10% macro decline significantly reduces the unemployment rate by about -0.006 for males with less than four grades of schooling in round III relative to those with no schooling, but increases the unemployment rates by 0.003 to 0.009 for females in both rounds and for males in round I with lower elementary or higher schooling (plus those with less than four grades for males in round I). Within these groups, moreover, changes in unemployment rates tend to be positively associated with schooling levels.

A -10% macro decline significantly increases unemployment rates by 0.004 for female migrants and by 0.003 for male migrants in round I, but reduces it by about -0.002 for female migrants in round III, all relative to nonmigrants. It increases unemployment rates significantly by 0.004 in round I and by 0.002 in round III for males residing outside of the BMA relative to those residing in the BMA. It reduces it by 0.001 for married males in round III relative to those not married.

(6) Work status as private employee or own account worker versus others as proportion of total workers (Table 14). A -10% macro decline is significantly associated with a reduction in work status as a private employee or own account worker as a proportion of total workers by from -0.09 to -0.18, with the absolute change about twice as large for the reference females in round I versus round III or relative to the reference males in either round. There are further significant reductions in the proportion of workers in this work status of -0.02 to -0.08 for workers in the 13-24 year old range (though not significant for 13-14 old males in round I) relative to prime-age adults. Both females and males 50+ in round

III differ significantly by increasing the proportional importance of this work status by about 0.01 more than prime age adults. Thus there is a decline in the proportional importance of work status as a private employee or own account worker in the total associated with a macro decline that is somewhat stronger in round I for females and more generally for younger adults.

A -10% macro decline increases employment as private employees and on own account significantly by 0.01 to 0.07 for those with more schooling relative to those with no or little schooling, with the biggest effects for females in round I and males in round III. It also increases this work status significantly by about 0.02 for female migrants in round III relative to nonmigrants (though with a reduction of 0.01 for male migrants in the same round), by from 0.05 to 0.19 for those not residing in the BMA relative to those residing in the BMA (with greater differential effects for females and for round I), and by about 0.01 for married males in round III relative to those not married (though with opposite effects of from -0.02 in round I and –0.01 in round III for married women).

(7) Working in formal sector as proportion of total workers (Table 15). A -10% macro decline is associated with significant declines in the relative importance of formal sector employment of -0.08 to -0.10 for the reference females and of -0.13 to -0.16 for the reference males. This shift was from -0.01 to -0.06 more for females and males in the 15-24 age group (as well as for 13-14 year old females in round III) than for prime-age adults (with larger differentials for females than for males). For adults 50+ in round III there is an increase of 0.01 for females and of 0.02 for males. Thus there is a general tendency for a significant reduction in the share of formal sector employment, somewhat more for younger workers and for females.

A -10% macro decline also is associated with significant increases of 0.01 to 0.07 in share of formal sectors workers for higher schooling levels (most strongly for some secondary or completed upper secondary) for both females and males relative to those with no or little schooling, with much larger effects in round III than in round I. Migrants, moreover, had significant declines of from -0.07 to -0.12 relative to nonmigrants for females in round I and males in both rounds, with larger absolute effects for males than for females. Those living outside of the BMA, on the other hand, have significant increases of from 0.06 to 0.16 in formal sector sectors of employment relative to those living in the BMA, with larger differentials for males than for females and for round I than for round III. Married females in both rounds, finally, reduces their share in the formal sector by about -0 01 to -0.02 relative to those not married, while married males significantly increased their share relative to nonmarried males by 0 01 in round I.

Section 5. Conclusion

Several major themes come out of this investigation.

First, the aggregate labor market impacts of the crisis seem to have been fairly small. As noted in the introduction, the annual growth rate in real GDP per capita declined to -2.3%

in 1997 and to -10.4% for 1998 from 4.5% for 1996 and from an average of 7.2% for 1990-5, and real GDP per capita relative to the underlying secular growth trend for the 1990s fell compared to the peak in 1996 by -5.2% in 1997, -20 2% in 1998, and -20.5% in 1999. These are considerable drops in actual and potential product. In sharp contrast, total employment dropped by only -2 7 and -2 3% for rounds I and III in 1998, and recovered in round I of 1999 to 99.3% of the peak 1997 level.[12] The percentage changes in real GDP and in total employment in 1998 imply an elasticity of employment with respect to output of about 0.3, which seems surprisingly small It would appear that many employers were hoarding labor perhaps in anticipation of a fairly quick recovery. In part the low implied employment-output elasticity reflects a reduction in hours worked (-5.6% in 1998-I) but this was quite transitory and hours worked increased 1.6% in 1998-III and 2.8% in 1999-I (both relative to the respective rounds a year earlier). While it is true that real wage rates dropped by - 14.7% for the year ending in 1998-III and by -8.5% for the year ending in 1999-I, these followed as large or larger percentages increases in the previous year.

Second, some of the larger effects that were experienced were recorded only with lags The crisis started in July 1997 with the devaluation. But total employment in the year prior to 1997-III (August) is recorded to have increased by 2.3%, with the first downturns in employment in both rounds I and III not recorded until 1998. Total formal sector employment, real wage rates and the proportion of workers with real wages above the 20th percentile in 1995 did not record downturns until 1998-III and 1999-I.[13] Thus there were some important lags in quantity adjustments and perhaps more so in price adjustments. Therefore analysis that focused only on months or even the year subsequent to July 1997 would miss some important aspects of what transpired in the labor market that became apparent only in the second year after July 1997.

Third, some of the recorded effects appear puzzling. Most striking in this regard, as noted above, are the reported growth rates in real wages of 8.0% in the year prior to 1998-I and of 24.0% in the year prior to 1998-III. These, particularly the latter, do not appear to be credible. The reported 1998 real wage increases may reflect in part an under-reporting of hours worked for round I (these are reported to have declined by -5.6% in the year prior to 1998-I, but to have increased by 1.6% in the year prior to 1998-III) or lags in the adjustment of the price deflator.

Fourth, those who were affected most negatively include some – but not others – of the groups on which emphasis has been placed in previous studies. As noted in the introduction, previous studies have claimed that those with low schooling, recent migrants, those residing outside of the BMA (and, more so, outside of the Central Region), young adults, older adults, and women fared relatively badly. Some of these claims seem *a priori*

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[12] Some of the labor market statistics can be presented so as to appear that there were large effects in terms of percentage changes For example, the round I unemployment and underemployment rates more than doubled between 1997 and 1998 – or, to put it another way, the 1998 values were 209% and 277% of the respective values for 1997 But in both cases the changes reflect relatively small changes from very small bases – from 2.2 to 4 6% and from 1 8 to 5 0%, respectively That is not to say that those affected may not have fared badly But, compared with the experiences of many other economies, changes in these rates of 2.4 and 3 2% are not all that large

[13] But see the next point regarding the real wages.

plausible because they refer to groups who are more marginal in terms of labor markets. But *a priori* some of them are not obvious – particularly that those outside of the BMA were more adversely affected given that the direct effects were concentrated in industries centered in the BMA and that females were more adversely affected given the prior dominance of males in the construction industry which was hit far harder than any other sector. Our investigation suggests that young adults and migrants did tend to be affected more negatively. But that, in contrast to previous claims, older adults, those residing outside of the BMA, females and perhaps those with low schooling, if anything, tended to fare as well or better than others. In part the difference between our conclusions in these regards and those of previous studies reflect differences in approaches. For example, our focus on reported changes in the labor market versus the Kakwani and Pothong (1998) focus on foregone income that would have been reaped had pre-crisis growth trends continued, which had been higher (though from lower levels) outside of the BMA than in the BMA in the mid 1990s. But whatever the cause of the differences, our findings raise some important questions about to what extent some of the alleged groups were particularly vulnerable to the macro crisis and, thus, what might be desired policy responses.

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Table 1. Number of Households in Each Round of Thai Labor Force Surveys, 1990-1999

Year	Number of Households
1990	27.780
1991	27,780
1992	28,515
1993	28,515
1994	60,492
1995	60,576
1996	60,672
1997	60,672
1998	60,663
1999	60,996

Source: NSO, Report of the Labor Force Survey: Whole Kingdom, various issues.

Table 2. Annual Percentage Changes in Selected Key Labor Market Variables for 1995-9, Rounds I and III.

	Round I				Round III		
	1995-6	1996-7	1997-8	1998-9	1995-6	1996-7	1997-8
(1) Total Employment Annual Percentage Changes							
Total	3.6	0 6	-2 7	2 0	-1 1	2 3	-2 3
Female	4 2	0 5	-2 8	2 9	-2 1	3 2	-3 1
Male	3 1	0 7	-2 7	1 3	-0 3	1 5	-1 7
(2) Employment in Major Sectors Annual Percentage Changes							
Agriculture							
Total	2 4	-1 6	-2 3	7 8	-4 8	2 8	-0 4
Female	4 0	-1 4	-8 6	7 9	-5 6	2 9	-5 6
Male	1 3	-1 8	2 5	7 7	-4 2	2 7	4 1
Construction							
Total	18 1	-4 4	-31 6	-23 7	17 7	-7 4	-36 3
Female	29 0	-5 8	-44 1	-30 5	36 2	-2 7	-53 2
Male	15 7	-4.0	-28 7	-22 5	13 8	-8 5	-31 8
Manufacturing							
Total	2 7	0 6	-1 4	-1 4	-1 0	-1 2	-2 2
Female	1 7	-0 9	1 1	-3 4	-4 9	0 1	-0 6
Male	3 8	2 2	-3 9	0 6	2 9	-2 3	-3 7
Services							
Total	-0 9	7 3	7 5	3 3	-0 6	5 3	6 4
Female	5 2	5 3	9 2	3 3	4 1	4 7	8 7
Male	-6 8	9 5	5 7	3 4	-5 3	5 9	4 0
Others (mining, electricity, commercial, transport & communication, and unknown)							
Total	3 4	3 3	2 3	1 4	3 9	4 9	-2 7
Female	1 5	3 2	4 0	3 9	1 7	6 5	0 6
Male	4 8	3 4	1 1	-0 6	5 6	3 7	-5 2

Table 2 continued

(3) Formal Sector Employment Annual Percentage Changes							
Total	8 1	0 3	2 6	-4 8	2 9	3 6	-2 4
Female	12 6	0 0	7 4	-4 3	3 9	7 6	-0 7
Male	5 2	0 5	-0 7	-5 2	2 1	0 8	-3 6
(4) Labor Force Participation Rates Annual Percentage Changes							
Total	0 1	-1 2	-1 0	0 5	-2 3	0 3	-1 5
Female	0 0	-1 7	-1 5	1 2	-3 2	0.9	-2 4
Male	0 1	-0 7	-0 6	0 0	-1 4	-0 2	-0 7
(5) Unemployment Rates in Percentages (for second year in column head)							
Total	2 0	2 2	4 6	5 2	1 1	0 9	3 4
Female	2 3	2 5	4 5	5 5	1 1	0 9	3 4
Male	1 8	1 9	4 7	5 0	1 0	0 9	3 4
(6) Underemployed Rates in Percentages (Working Less than 20 Hours per Week) (for second year in column head)							
Total	2 1	1 8	5 0	2 9	1 8	2 2	2 9
Female	3 0	2 0	6 0	3.0	2 0	2 5	3 2
Male	2 0	1 0	4 0	2 0	1 6	1 9	2 7
(8) Work Status of Employed Persons Annual Percentage Changes							
Private Employee							
Total	8 9	-0 3	-8 2	-4 4	7 2	2 0	-10 0
Female	7 7	1 9	-4 7	-3 3	4 5	6 5	-7 3
Male	9 7	-1 7	-10 6	-5 2	9 2	-1 3	-12 0
Employer and Government Employee							
Total	1 9	1 2	8 3	3 7	-7.7	0.7	12 3
Female	7 7	-1 2	16 6	0 5	-4 5	2 5	18 0
Male	-0 7	2 4	4 5	5 3	-9 1	-0 1	9 4
Own Account Worker and Unpaid Family Worker							
Total	0 2	1 2	-0 8	6 1	-3.8	2 7	-0.7
Female	1 7	-0 2	-4 2	7 4	-4 5	1 8	-3 4
Male	-1 1	2.4	2 2	5 1	-3 2	3.5	1 8

Table 2 continued

(10) Real Wage Annual Percentage Changes							
Total	2 2	7 2	8 0	-8 5	-1 5	24.0	-14 7
Female	4 0	8 4	6 6	-7 7	-1 1	28 1	-17 1
Male	1 3	6 7	9 2	-8 9	-2 0	22 0	-12 9
(11) Proportion of Workers with Real Wage above the 1995 First Quintile Annual Percentage Changes							
Total	9 0	6 3	1 2	-1 5	8 3	6 9	-1 5
Female	14.3	9 1	2.4	-2 1	11 8	10 0	-0 8
Male	6 3	4.8	0.6	-1.0	6 1	5.2	-1.9
(12) Hours Worked Annual Percentage Changes							
Total	0 5	-0.3	-5 6	2 8	-1 5	-2 5	1.6
Female	-0 1	-0 4	-6 1	3.6	-1.8	-2 1	1.6
Male	1.0	-0 3	-5 2	2 2	-1 3	-2 8	1 6

Source: Appendix A Tables

Table 3. Annual Percentage Changes in Real Wages and Hours Worked by Schooling Levels

School Levels	Round I				Round III		
	1995-6	1996-7	1997-8	1998-9	1995-6	1996-7	1997-8
Real Wage Annual Percentage Changes							
Primary	5 7	5 6	1.7	-10.3	3 3	9.0	-12 9
Secondary	-3 6	1.9	2.1	-12.3	-13.8	10.1	-14.1
University	7.2	0.7	-1.3	-10.4	5.4	29.1	-26.0
Hours Worked Annual Percentage Changes							
Primary	0 6	-0.4	-4.8	2.3	-2.0	-0.8	1 1
Secondary	1 2	0 2	-7 2	4.2	0 9	-4.4	2 0
University	0.6	0.0	-5.0	5.6	-0.1	-12.8	13.7

Source. Appendix A Tables A 18 1, A.23.1

Table 4. Annual Percentage Changes in Real Wages and Hours Worked by Selected Age Ranges

Age Range	Round I				Round III		
	1995-6	1996-7	1997-8	1998-9	1995-6	1996-7	1997-8
Real Wage Annual Percentage Changes							
20-24	4 5	5 3	6 0	-13.4	0.3	10.7	-15.3
25-49	0.5	5.7	6 1	-10.7	-3.6	24.3	-18.6
50+	4 5	2.9	13.8	5.1	6.0	26.2	-6.0
Hours Worked Annual Percentage Changes							
20-24	1 5	-0.8	-7.2	3.3	-1.9	-2.0	1.3
25-49	0.9	-0.4	-5.6	3.4	-1.7	-3.0	2.4
50+	-0.8	1.0	-3.2	0 6	-2.2	0.1	0.8

Source: Appendix A Tables A.17.1, A.22.1

Table 5. Annual Percentage Changes in Real Wages and Hours Worked by Migratory Status

Migratory Status	Round I				Round III		
	1995-6	1996-7	1997-8	1998-9	1995-6	1996-7	1997-8
Real Wage Annual Percentage Changes							
Migrant	3.9	4.4	3.7	-11 7	-1.7	15.5	-14.8
Nonmigrant	2.2	6.8	9.8	-7 8	-1.7	24.8	-13.9
Hours Worked Annual Percentage Changes							
Migrant	-0.1	-0 3	-6.0	3.4	-1 4	-4.0	2 2
Nonmigrant	0.6	-0.2	-5.6	2.7	-1.5	-2.1	1 4

Source: Appendix A Tables A.20.1, A.25.1

Table 6. Annual Percentage Changes in Real Wages and Hours Worked by Marital Status

Marital Status	Round I				Round III		
	1995-6	1996-7	1997-8	1998-9	1995-6	1996-7	1997-8
Real Wage Annual Percentage Changes							
Single	3 5	10.2	7.7	-9 3	-0.3	25.0	-16 4
Married	0.3	6.8	7.7	-7.8	-2.9	24 8	-14.9
Unmarried[a]	10.6	-4.2	13.2	-14 1	6.3	13 3	-7 6
Hours Worked Annual Percentage Changes							
Single	1.0	-0 6	-10.3	6.3	-0 6	-5.2	2 5
Married	0.2	-0 2	-4.2	1.8	-2.0	-1 6	1.4
Unmarried[a]	2 3	-0.2	-4 7	2 4	-1.1	-0 5	1 5

Source. Appendix A Tables A 19 1, A.24.1
[a] Divorced, widowed, separated

Table 7. Annual Percentage Changes in Real Wages and Hours Worked by BMA versus Other

Residence	Round I				Round III		
	1995-6	1996-7	1997-8	1998-9	1995-6	1996-7	1997-8
Real Wage Annual Percentage Changes							
BMA	5 5	14 6	15.2	-13.1	-8.7	40.8	-52.6
All Thailand	2.2	7.2	8.0	-8.5	-1.5	24.0	-14.7
Hours Worked Annual Percentage Changes							
BMA	1.3	-0.6	-18.4	22.0	1.9	-13.1	-0.1
All Thailand	0.5	-0.3	-5 6	2.8	-1.5	-2.5	1.6

Source: Appendix A Tables A.21.1, A.26 1

Table 8. Real GDP Per Capita, Trend and Deviation from Trend

Year	actual (Y)	Trend (YE)[a]	Deviation from trend (Y-YE)	% deviation from trend = 100*(Y - YE)/YE
1990	34,838	37,667	-2,829	-7.5
1991	37,329	38,990	-1,661	-4.3
1992	39,836	40,359	-522	-1.3
1993	42,648	41,776	872	2.1
1994	45,885	43,243	2,641	6.1
1995	49,379	44,762	4,617	10.3
1996	51,581	46,334	5,247	11.3
1997	50,431	47,961	2,470	5.2
1998	45,232	49,645	-4,413	-8.9
1999	46,132	51,388	-5,255	-10.2
[a] YE = exp(10.50205 + 0 034512*Year)				

Note: Actual (Y) for 1999 is estimated based on the forecast growth rate of 3 % for real GDP, according to LOI 8 (Letter of Intent No 8) and the population growth of about 1 %.

Table 9. Dependent Variable: Ln Real Wage

Macro Deviation from Trend Interacted with:	Round I		Round III	
	Female	Male	Female	Male
Reference individuals[a]	4 735	-1 442	3 139	2.271
	(18 19)	(-3 28)	(12 51)	(8 39)
Ages (excluded category 25-49)				
13-14	1 377	-0 722	1 373	0.380
	(5 53)	(-2.22)	(5 09)	(1 15)
15-19	0 564	0.284	0.644	0 722
	(6.96)	(3 16)	(6 76)	(6 64)
20-24	0.179	0.451	0 328	0.373
	(2.94)	(7.68)	(4.88)	(5 21)
50+	0.730	-1.665	-0 331	-0.264
	(6.06)	(-10 22)	(-2.86)	(-2 82)
Schooling (excluded category no schooling)				
<4 grades	-0 386	-0 017	0 386	-0 129
	(-2.19)	(-0 09)	(2.03)	(-0 62)
Lower elementary	-0 090	-0.205	-0.182	-0 397
	(-0 83)	(-1.53)	(-1 51)	(-2 71)
Upper elementary	-0.954	0 011	-0 580	-0 755
	(-8 08)	(0.06)	(-4 66)	(-4 86)
Some secondary	-1 354	0 499	-1 373	-0 674
	(-9.80)	(2 60)	(-9 00)	(-3 76)
Upper secondary	-1 872	0 650	-1 178	-0 760
	(-11 26)	(2 89)	(-6 17)	(-3 77)
University or teacher college	-2 767	2 153	-1 198	-0 350
	(-12 34)	(6 22)	(-4 72)	(-1 39)
Other individual characteristics (dichotomous variables)				
Migrant	-0.855	1 140	-0 088	0 252
	(-9.21)	(9 58)	(-0 88)	(3.72)
Resident outside of BMA	-0 852	-2.304	-0 787	-1 119
	(-11.82)	(-23.10)	(-6 81)	(-10.25)
Married	0 594	-0 400	0 106	-0 161
	(9 13)	(-5 56)	(1 29)	(-2 66)

N.B Multivariate relations also include the same right-side variables without interactions with the deviation from the macro trend t statistics are in parentheses under the coefficient estimates

[a] Prime-age adults (25-49 years of age), no schooling, reside in BMA, nonmigrants, not married

Table 10. Dependent Variable: Hours Worked

Macro Deviation from Trend Interacted with:	*Round I*		*Round III*	
	Female	**Male**	**Female**	**Male**
Reference individuals[a]	40 623	35 195	22 400	14 462
	(21 24)	(6 61)	(11.39)	(6 36)
Ages (excluded category 25-49)				
13-14	5 526	-18 912	-13 813	-17.540
	(1 29)	-4 53	(-3 81)	(-4.95)
15-19	5 043	2 777	-4 357	1 937
	(3 09)	(1 80)	(-2 76)	(1 24)
20-24	0 156	0 668	2 775	0.808
	(0 13)	(0 59)	(2 24)	(0 67)
50+	-3 144	-2.291	4 633	4.563
	(-2.95)	(-2 64)	(4 33)	(4 79)
Schooling (excluded category no schooling)				
<4 grades	-0 613	-2.065	-8 062	1 663
	(-0 23)	(-0 78)	(-3 08)	(0 59)
Lower elementary	1 151	0 108	-6.687	0 312
	(0 72)	(0.06)	(-4 28)	(0 16)
Upper elementary	0 448	1 839	-10 740	-0 299
	(0.25)	(0.93)	(-5 92)	(-0 14)
Some secondary	2 929	0 965	-4 036	2 386
	(1 45)	(0 48)	(-1.93)	(1.10)
Upper secondary	-3.095	-2.077	-13.382	-2 876
	(-1 44)	(-0.97)	(-5 96)	(-1 24)
University or teacher college	-8 587	-2 465	-13 259	-4 176
	(-4 43)	(-1.16)	(-6 56)	(-1 82)
Other individual characteristics (dichotomous variables)				
Migrant	-2 580	2.540	-0.230	3.592
	(-2 48)	(3 06)	(-0.212)	(4 01)
Resident outside of BMA	-35.984	-30.332	-20 184	-20 391
	(-34.25)	(-31 74)	(-17 24)	(-18 91)
Married	-2 077	-3 539	5 888	0.493
	(-2.50)	(-4.04)	(6.81)	(0 52)

N B Multivariate relations also include the same right-side variables without interactions with the deviation from the macro trend . t statistics are in parentheses under the coefficient estimates

[a] Prime-age adults (25-49 years of age), no schooling, reside in BMA, nonmigrants, not married.

Table 11. Dependent Variable: below 20 hours a week

Macro Deviation from Trend Interacted with:	Round I		Round III	
	Female	**Male**	**Female**	**Male**
Reference individuals[a]	-0 405	-0.284	-0 319	-0 230
	(-22 32)	(-18 47)	(-16 03)	(-13 16)
Ages (excluded category 25-49)				
13-14	0.072	0.091	0 163	0 096
	(2.78)	(5.11)	(7.68)	(6 18)
15-19	0.014	0.016	0.045	0 007
	(0.99)	(1 56)	(3 35)	(0.66)
20-24	0.031	0.011	-0 039	-0.011
	(2.42)	(1 18)	(-2 99)	(-1.06)
50+	0 074	0.029	-0 024	-0 005
	(7.74)	(4 43)	(-2 56)	(-0 63)
Schooling (excluded category no schooling)				
<4 grades	0.004	0 041	0 038	0 052
	(0 16)	(2 41)	(1 74)	(2 66)
Lower elementary	-0.019	0.019	0.042	0.078
	(-1.45)	(1 69)	(3.19)	(5 76)
Upper elementary	-0.014	0 001	0 036	0 076
	(-0 89)	(0.06)	(2.17)	(5 07)
Some secondary	-0.003	0 001	0 093	0 010
	(-0 16)	(0 01)	(5 29)	(6 59)
Upper secondary	0.001	-0 001	0.137	0 109
	(0.05)	(-0.07)	(6 347)	(6 46)
University or teacher college	-0 009	-0 002	0 095	0 109
	(-0 41)	(-0 09)	(3 85)	(5 67)
Other individual characteristics (dichotomous variables)				
Migrant	0 002	-0 023	-0 025	-0 023
	(0 22)	(-3 28)	(-2 04)	(-2.89)
Resident outside of BMA	0.291	0 226	0.224	0 136
	(23.17)	(23 59)	(15.26)	(13 38)
Married	0.079	0 015	-0.043	-0 013
	(9 80)	(2 14)	(-5 06)	(-1 58)

N B Multivariate relations also include the same right-side variables without interactions with the deviation from the macro trend t statistics are in parentheses under the coefficient estimates

[a] Prime-age adults (25-49 years of age), no schooling, reside in BMA, nonmigrants, not married

Table 12. Dependent Variable: Labor Force Participation

Macro Deviation from Trend Interacted with:	Round I		Round III	
	Female	**Male**	**Female**	**Male**
Reference individuals[a]	-0 552	-0 189	-0 368	-0 047
	(-12 42)	(-5 73)	(-8 08)	(-1 44)
Ages (excluded category 25-49)				
13-14	-0 337	-0 229	-0 751	-0 440
	(-5.82)	(-7 02)	(-12.96)	(-13 64)
15-19	0.082	-0.089	-0.359	-0 293
	(2.26)	(-3 86)	(-9.36)	(-12 31)
20-24	0 119	-0.019	0.027	-0 176
	(3.60)	(-0 83)	(0 77)	(-7.20)
50+	0.021	-0 009	-0.038	-0 018
	(0 86)	(-0 44)	(-1.42)	(-0 92)
Schooling (excluded category no schooling)				
<4 grades	-0 022	0 022	-0 039	-0 074
	(-0.38)	(0 54)	(-0 66)	(-1 89)
L0ower elementary	0 043	0.061	0.049	-0.068
	(1 25)	(2 36)	(1.42)	(-2 72)
Upper elementary	0 128	0 106	-0.177	-0.002
	(3 06)	(3 43)	(-4 02)	(-0 07)
Some secondary	-0 002	0.043	0 222	0 078
	(-0.05)	(1 40)	(4.62)	(2 57)
Upper secondary	0 121	0 087	0 146	0.048
	(2 48)	(2 75)	(2 88)	(1.53)
University or teacher college	0 283	0 187	0 269	0.054
	(5 20)	(5 04)	(4 71)	(1.45)
Other individual characteristics (dichotomous variables)				
Migrant	0 095	-0.040	0 228	0 188
	(3.42)	(-2 05)	(7.69)	(9.44)
Resident outside of BMA	0 589	0 172	0 138	0 039
	(21 23)	(9 33)	(4.79)	(2.13)
Married	-0.113	-0 002	0 071	-0.007
	(-5 06)	(-0.13)	(3.04)	(-0.38)

N B Multivariate relations also include the same right-side variables without interactions with the *deviation from the macro trend.* t statistics are in parentheses under the coefficient estimates

[a] Prime-age adults (25-49 years of age), no schooling, reside in BMA, nonmigrants, not married

Table 13. Dependent Variable: Unemployment Rate

Macro Deviation from Trend Interacted with:	Round I		Round III	
	Female	Male	Female	Male
Reference individuals[a]	-0.049	-0 002	-0.068	-0.079
	(-1.91)	(-0.08)	(-3 65)	(-4.13)
Ages (excluded category 25-49)				
13-14	0.031	0.033	0 072	0 034
	(0.72)	(1.06)	(2 66)	(1 73)
15-19	0 004	-0 011	0.007	0.030
	(0 23)	(-1.01)	(0.56)	(3.78)
20-24	0.001	0.007	-0.003	0 006
	(0 11)	(0 83)	(-0 30)	(0 99)
50+	0 035	-0 035	0 043	0 039
	(2 39)	(-2.86)	(3.99)	(4 19)
Schooling (excluded category no schooling)				
<4 grades	-0.034	-0 051	-0.013	0.057
	(-1.08)	(-1 74)	(-0 52)	(2 49)
Lower elementary	-0 047	-0 034	-0 032	0.012
	(-2.48)	(-1.73)	(-2 12)	(0 69)
Upper elementary	-0 044	-0 063	-0 030	0 020
	(-2 11)	(-3 18)	(-1 76)	(1 07)
Some secondary	-0 092	-0.045	-0 027	0 001
	(-3 8)	(-2 17)	(-1 40)	(0 05)
Upper secondary	-0.067	-0 044	-0 039	0 027
	(-2 59)	(-2 05)	(-2 06)	(1 43)
University or teacher college	-0 090	-0 066	-0.045	0.029
	(-3 69)	(-3 01)	(-2 52)	(1 52)
Other individual characteristics (dichotomous variables)				
Migrant	-0 038	-0 025	0.015	-0 005
	(-3 58)	(-3.93)	(1 90)	(-1 02)
Resident outside of BMA	0 002	-0 043	-0 0001	-0 019
	(0 09)	(-4 05)	(-0 01)	(-2 76)
Married	-0 014	-0 003	-0 001	0.015
	(-1 36)	(-0.38)	(-0 15)	(2 65)

N.B Multivariate relations also include the same right-side variables without interactions with the deviation from the macro trend. . t statistics are in parentheses under the coefficient estimates

[a] Prime-age adults (25-49 years of age), no schooling, reside in BMA, nonmigrants, not married

Table 14. Dependent Variable: Work status

Macro Deviation from Trend Interacted with:	Round I		Round III	
	Female	Male	Female	Male
Reference individuals[a]	1 815	0 866	1.139	1 071
	(26.80)	(11.89)	(15 57)	(12 32)
Ages (excluded category 25-49)				
13-14	0 471	0.155	0 423	0 328
	(3 22)	(1.32)	(3 01)	(2 57)
15-19	0 787	0 309	0 595	0 526
	(13 97)	(6.97)	(10 29)	(10 26)
20-24	0 308	0 191	0 461	0 343
	(7 32)	(5 74)	(10 27)	(8.78)
50+	-0 009	0 005	-0 123	-0 134
	(-0 26)	(0 16)	(-3 17)	(-3 72)
Schooling (excluded category no schooling)				
<4 grades	0.015	-0 094	0.068	-0 599
	(0 16)	(-0 99)	(0 72)	(-5.33)
Lower elementary	-0.113	-0 059	-0.023	-0 304
	(-2.06)	(-0 90)	(-0.40)	(-3 96)
Upper elementary	-0 261	-0 113	-0 187	-0 472
	(-4.19)	(-1 65)	(-2.86)	(-5 89)
Some secondary	-0 580	-0 330	-0.386	-0.520
	(-8 30)	(-4 75)	(-5 12)	(-6.30)
Upper secondary	-0 493	-0.299	-0 293	-0.502
	(-6 69)	(-4 14)	(-3.62)	(-5 80)
University or teacher college	-0 639	-0.347	-0 416	-0.651
	(-9.48)	(-4 85)	(-5.62)	(-7.57)
Other individual characteristics (dichotomous variables)				
Migrant	-0 013	0 033	-0.223	0 135
	(-0.35)	(1 24)	(-5.68)	(4 37)
Resident outside of BMA	-1 926	-0 752	-0 967	-0 542
	(-50 67)	(-24.84)	(-21 96)	(-13 97)
Married	0 162	-0 026	0 087	-0 150
	(5 43)	(-0.98)	(2.74)	(-4 73)

N.B. Multivariate relations also include the same right-side variables without interactions with the deviation from the macro trend . t statistics are in parentheses under the coefficient estimates

[a] Prime-age adults (25-49 years of age), no schooling, reside in BMA, nonmigrants, not married

Table 15. Dependent Variable: Formal Sector as Proportion of Total

Macro Deviation from Trend Interacted with:	Round I		Round III	
	Female	Male	Female	Male
Reference individuals[a]	1.047	1 610	0 783	1.328
	(15.83)	(19.78)	(12.94)	(16.21)
Ages(excluded category(25-49)				
13-14	0.155	0.259	0.236	0 147
	(1.10)	(1.56)	(1.99)	(0.98)
15-19	0 565	0 302	0 495	0.286
	(11.90)	(5.78)	(11.95)	(5 60)
20-24	0.202	0 191	0.418	0 134
	(5 63)	(5 05)	(12 85)	(3 55)
50+	0 044	-0 046	-0 078	-0 158
	(1 10)	(-1 42)	(-2 09)	(-4 74)
Schooling (excluded category no schooling)				
<4 grades	-0.096	-0 163	0.081	-0.401
	(-1.01)	(-1 56)	(0 09)	(-3 79)
Lower elementary	-0 040	0 037	-0.154	-0.454
	(-0 69)	(0.50)	(-2 90)	(-6.15)
Upper elementary	-0 011	-0 122	-0 369	-0.584
	(-0 17)	(-1.59)	(-6 42)	(-7.54)
Some secondary	-0.222	-0 170	-0 516	-0 721
	(-3 33)	(-2.19)	(-8 43)	(-9 18)
Upper secondary	-0 142	-0 260	-0.464	-0 754
	(-2.05)	(-3.21)	(-7.26)	(-9.23)
University or teacher college	-0 053	-0.322	-0 373	-0 602
	(-0 77)	(-3.84)	(-5 86)	(-7 08)
Other individual characteristics (dichotomous variables)				
Migrant	0.083	0.122	-0 033	0 066
	(2.72)	(4 42)	(-1 19)	(2 33)
Resident outside of BMA	-1 365	-1.567	-0.601	-0 650
	(-41 66)	(-47 61)	(-19 97)	(-19 89)
Married	0 177	-0 062	0 135	-0 031
	(6 84)	(-2 04)	(5 65)	(-1 02)

N B Multivariate relations also include the same right-side variables without interactions with the deviation from the macro trend t statistics are in parentheses under the coefficient estimates

[a] Prime-age adults (25-49 years of age), no schooling, reside in BMA, nonmigrants, not married.

Appendix A

Tables Tabulated From Labor Force Surveys 1995 (Round I, III) – 1999 (Round I)

List of Tables in Appendix A

Table A 1 Employment by Economic Sector

Round I		95	96	97	98	99
Male		16,657,549	17,181,082	17,304,478	16,845,409	17,070,671
	agriculture	6,848,137	6,934,013	6,807,303	6,975,717	7,515,241
	manufacturing	2,405,418	2,495,774	2,549,441	2,450,461	2,464,738
	construction	2,162,711	2,501,132	2,400,316	1,712,475	1,327,846
	services	2,095,441	1,953,422	2,139,581	2,262,418	2,339,192
	others	3,145,842	3,296,741	3,407,837	3,444,338	3,423,654
Female		12,288,919	12,805,555	12,866,956	12,510,122	12,875,728
	agriculture	4,963,491	5,159,539	5,087,711	4,651,082	5,017,183
	manufacturing	2,419,170	2,460,682	2,438,911	2,466,148	2,381,465
	construction	474,966	612,621	577,184	322,909	224,356
	services	2,024,394	2,130,088	2,242,867	2,449,462	2,529,423
	others	2,406,898	2,442,625	2,520,283	2,620,521	2,723,301
Total		28,946,468	29,986,637	30,171,434	29,355,531	29,946,399
	agriculture	11,811,628	12,093,552	11,895,014	11,626,799	12,532,424
	manufacturing	4,824,588	4,956,456	4,988,352	4,916,609	4,846,203
	construction	2,637,677	3,113,753	2,977,500	2,035,384	1,552,202
	services	4,119,835	4,083 510	4,382,448	4,711,880	4,868,615
	others	5,552,740	5,739,366	5,928,120	6,064,859	6,146,955

Round III		95	96	97	98
Male		17,787,435	17,740,230	18,006,581	17,700,078
	agriculture	9,033,057	8,655,133	8,891,081	9,258,404
	manufacturing	2,204,340	2,268,691	2,216,748	2,134,742
	construction	1,527,015	1,737,638	1,589,538	1,083,447
	services	2,068,180	1,959,571	2,075,552	2,158,750
	others	2,954,843	3,119,197	3,233,662	3,064,735
Female		14,802,587	14,494,036	14,956,019	14,500,426
	agriculture	7,915,323	7,472,908	7,689,920	7,261,851
	manufacturing	2,170,513	2,064,724	2,065,869	2,054,462
	construction	318,159	433,363	421,786	197,231
	services	2,051,529	2,135,513	2,234,807	2,428,999
	others	2,347,063	2,387,528	2,543,637	2,557,883
Total		32,590,022	32,234,266	32,962,600	32,200,504
	agriculture	16,948,380	16,128,041	16,581,001	16,520,255
	manufacturing	4,374,853	4,333,415	4,282,617	4,189,204
	construction	1,845,174	2,171,001	2,011,324	1,280,678
	services	4,119,709	4,095,084	4,310,359	4,587,749
	others	5,301,906	5,506,725	5,777,299	5,622,618

Note . Others contain mining, electricity, commercial, transport&communication, and unknown.

Table A 1 1 Employment by Economic Sector (proportion %)

Round I		95	96	97	98	99
Male		57.55	57.30	57 35	57 38	57.00
	agriculture	23 66	23 12	22 56	23 76	25 10
	manufacturing	8 31	8.32	8.45	8 35	8 23
	construction	7.47	8.34	7.96	5.83	4 43
	services	7 24	6.51	7.09	7 71	7.81
	others	10 87	10 99	11 29	11 73	11 43
Female		42 45	42 70	42 65	42 62	43 00
	agriculture	17 15	17 21	16 86	15 84	16 75
	manufacturing	8 36	8.21	8.08	8 40	7.95
	construction	1.64	2.04	1 91	1 10	0.75
	services	6 99	7 10	7 43	8 34	8 45
	others	8 31	8 15	8 35	8 93	9 09
Total		100.00	100 00	100 00	100 00	100 00
	agriculture	40.81	40 33	39 42	39 61	41 85
	manufacturing	16 67	16 53	16 53	16 75	16 18
	construction	9.11	10 38	9 87	6 93	5 18
	services	14 23	13 62	14.53	16 05	16 26
	others	19.18	19 14	19 65	20 66	20 53

Round III		95	96	97	98
Male		54.58	55 04	54 63	54 97
	agriculture	27 72	26 85	26 97	28 75
	manufacturing	6 76	7 04	6 73	6 63
	construction	4 69	5 39	4 82	3 36
	services	6.35	6 08	6 30	6 70
	others	9 07	9 68	9.81	9.52
Female		45 42	44 96	45 37	45 03
	agriculture	24 29	23 18	23.33	22 55
	manufacturing	6 66	6 41	6 27	6.38
	construction	0 98	1 34	1 28	0 61
	services	6 29	6 62	6 78	7 54
	others	7 20	7 41	7 72	7 94
Total		100 00	100 00	100 00	100 00
	agriculture	52 00	50 03	50 30	51 30
	manufacturing	13 42	13 44	12 99	13 01
	construction	5 66	6 74	6 10	3 98
	services	12 64	12 70	13 08	14 25
	others	16 27	17 08	17 53	17 46

Note Others contain minning, electricity, commercial, transport&communication, and unknown

Table A 1 2 Employment by Economic Sector (growth rate,%)

Round I		96	97	98	99
Male		3 14	0 72	-2 65	1 34
	agriculture	1 25	-1 83	2 47	7 73
	manufacturing	3 76	2 15	-3 88	0 58
	construction	15 65	-4 03	-28 66	-22 46
	services	-6 78	9 53	5 74	3 39
	others	4 80	3 37	1 07	-0 60
Female		4 20	0 48	-2 77	2 92
	agriculture	3 95	-1 39	-8 58	7 87
	manufacturing	1 72	-0 88	1 12	-3 43
	construction	28 98	-5 78	-44 05	-30 52
	services	5 22	5 29	9 21	3 26
	others	1 48	3 18	3 98	3 92
Total		3 59	0 62	-2 70	2 01
	agriculture	2 39	-1 64	-2 25	7 79
	manufacturing	2 73	0 64	-1 44	-1 43
	construction	18 05	-4 38	-31 64	-23 74
	services	-0 88	7 32	7 52	3 33
	others	3 36	3 29	2 31	1 35

Round III		96	97	98
Male		-0 27	1 50	-1 70
	agriculture	-4 18	2 73	4 13
	manufacturing	2 92	-2 29	-3 70
	construction	13 79	-8.52	-31.84
	services	-5 25	5 92	4 01
	others	5 56	3 67	-5 22
Female		-2 08	3.19	-3 05
	agriculture	-5 59	2 90	-5 57
	manufacturing	-4 87	0 06	-0 55
	construction	36 21	-2 67	-53 24
	services	4 09	4 65	8 69
	others	1 72	6 54	0 56
Total		-1 09	2 26	-2 31
	agriculture	-4.84	2 81	-0 37
	manufacturing	-0 95	-1 17	-2 18
	construction	17 66	-7 35	-36 33
	services	-0 60	5 26	6 44
	others	3 86	4 91	-2 68

Note Others contain mining, electricity, commercial, transport&communication, and unknown.

Table A 2 · Employed Persons Classified by Formal / Informal Sector and By Sex . 1995-1999

Round I	95	96	97	98	99
Male	16,657,550	17,181,083	17,304,478	16,845,409	17,070,671
Formal	5,434,004	5,717,168	5,746,706	5,707,912	5,412,754
Informal	11,223,546	11,463,915	11,557,772	11,137,497	11,657,917
Female	12,288,919	12,805,556	12,866,958	12,510,121	12,875,728
Formal	3,445,837	3,879,014	3,879,798	4,168,260	3,988,264
Informal	8,843,082	8,926,542	8,987,160	8,341,861	8,887,464
Total	28,946,469	29,986,639	30,171,436	29,355,530	29,946,399
Formal	8,879,841	9,596,182	9,626,504	9,876,172	9,401,018
Informal	20,066,628	20,390,457	20,544,932	19,479,358	20,545,381

Round III	95	96	97	98
Male	17,787,436	17,740,229	18,006,582	17,700,080
Formal	4,931,806	5,036,898	5,075,979	4,892,666
Informal	12,855,630	12,703,331	12,930,603	12,807,414
Female	14,802,587	14,494,036	14,956,019	14,500,427
Formal	3,362,834	3,494,719	3,760,044	3,732,240
Informal	11,439,753	10,999,317	11,195,975	10,768,187
Total	32,590,023	32,234,265	32,962,601	32,200,507
Formal	8,294,640	8,531,617	8,836,023	8,624,906
Informal	24,295,383	23,702,648	24,126,578	23,575,601

Table A 2 1 Distribution of Employed Persons Classified by Formal / Informal Sector and By Sex 1995-1999

Round I	95	96	97	98	99
Male	100 00	100 00	100 00	100 00	100 00
Formal	32 62	33 28	33 21	33 88	31 71
Informal	67 38	66 72	66 79	66 12	68 29
Female	100 00	100 00	100 00	100 00	100 00
Formal	28 04	30 29	30 15	33 32	30 98
Informal	71 96	69 71	69 85	66 68	69 02
Total	100 00	100 00	100 00	100 00	100 00
Formal	30 68	32 00	31 91	33 64	31 39
Informal	69 32	68 00	68 09	66 36	68 61

Round III	95	96	97	98
Male	100 00	100 00	100 00	100 00
Formal	27 73	28 39	28 19	27 64
Informal	72 27	71 61	71.81	72 36
Female	100 00	100 00	100 00	100 00
Formal	22 72	24 11	25 14	25 74
Informal	77 28	75 89	74 86	74 26
Total	100 00	100 00	100 00	100 00
Formal	25 45	26 47	26 81	26 79
Informal	74 55	73 53	73 19	73 21

Table A 2 2 Employed Persons Classified by Formal / Informal Sector and By Sex 1995-1999 (growth rate, %)

Round I	96	97	98	99
Male	3.14	0.72	-2 65	1 34
Formal	5 21	0 52	-0.68	-5 17
Informal	2 14	0 82	-3 64	4 67
Female	4 20	0.48	-2 77	2 92
Formal	12.57	0 02	7 43	-4.32
Informal	0 94	0 68	-7 18	6 54
Total	3 59	0 62	-2 70	2 01
Formal	8 07	0 32	2 59	-4 81
Informal	1 61	0 76	-5 19	5.47

Round III	96	97	98
Male	-0 27	1 50	-1 70
Formal	2 13	0 78	-3 61
Informal	-1 18	1 79	-0 95
Female	-2 08	3.19	-3 05
Formal	3 92	7.59	-0 74
Informal	-3 85	1 79	-3 82
Total	-1 09	2 26	-2 31
Formal	2 86	3 57	-2 39
Informal	-2 44	1 79	-2 28

Table A 3 Labor Force Participation Rate (%)

Round I	95	96	97	98	99
Male	78 7	78 8	78 2	77 7	77 7
Female	61 4	61 5	60 4	59 5	60 2
Total	70 0	70 1	69 2	68 5	68 9

Round III	95	96	97	98
Male	80 2	79 1	78 9	78 4
Female	66 5	64 4	64 9	63 4
Total	73 3	71 7	71 9	70 8

Note labor force participation rate = total labor force / population over 13 years old

Table A 3 1 Labor Force Participation Rate (growth rate,%)

Round I	96	97	98	99
Male	0 08	-0 74	-0 57	0 04
Female	0 03	-1 69	-1 54	1 19
Total	0 06	-1 17	-1 01	0 53

Round III	96	97	98
Male	-1 43	-0 18	-0 69
Female	-3 23	0 91	-2 38
Total	-2 26	0 31	-1 47

Note labor force participation rate = total labor force / population over 13 years old

Table A.4 . Unemployment Rate (%)

Round I	95	96	97	98	99
Male	2 1	1.8	1 9	4 7	5 0
Female	2.6	2 3	2.5	4.5	5 5
Total	2 3	2 0	2.2	4 6	5.2

Round III	95	96	97	98
Male	0.9	1 0	0 9	3.4
Female	1.4	1 1	0 9	3 4
Total	1 1	1 1	0 9	3 4

Note unemployment rate = total unemployed / total labor force

Table 4.1 Unemployment rate (growth rate,%)

Round 1	96	97	98	99
Male	-13 42	7.21	145 01	6 91
Female	-12 24	9.82	77 67	22 61
Total	-12 83	8 46	110 85	13 63

Round 3	96	97	98
Male	11 41	-17 66	299.60
Female	-18 03	-19 45	273 78
Total	-4 94	-18.49	287 44

Note unemployment rate = total unemployed / total labor force

Table A 5 Proportion of Underemployed Workers (%)

Round I		95	96	97	98	99
Male	Employed with hours worked <20 hrs	228,079	303,133	257,964	695,246	416,586
	Total Employed	16,657,549	17,181,082	17,304,477	16,845,410	17,070,671
	Probability of being underemployed (%)	1 37	1 76	1 49	4 13	2 44
Female	Employed with hours worked <20 hrs	258,916	331,216	283,260	778,773	445,901
	Total Employed	12,288,919	12,805,556	12,866,957	12,510,120	12,875,728
	Probability of being underemployed (%)	2 11	2 59	2 20	6 23	3.46
Total	Employed with hours worked <20 hrs	486,995	634,349	541,224	1,474,019	862,487
	Total Employed	28,946,468	29,986,638	30,171,434	29,355,530	29,946,399
	Probability of being underemployed (%)	1 68	2 12	1.79	5.02	2 88

Round III		95	96	97	98
Male	Employed with hours worked <20 hrs.	312,506	289,371	344,610	473,007
	Total Employed	17,787,436	17,740,229	18,006,583	17,700,080
	Probability of being underemployed (%)	1 76	1.63	1 91	2 67
Female	Employed with hours worked <20 hrs	327,019	288,149	371,805	464,334
	Total Employed	14,802,587	14,494,037	14,956,018	14,500,426
	Probability of being underemployed (%)	2.21	1 99	2 49	3 20
Total	Employed with hours worked <20 hrs	639,525	577,520	716,415	937,341
	Total Employed	32,590,023	32,234,266	32,962,601	32,200,506
	Probability of being underemployed (%)	1 96	1 79	2.17	2.91

Table A 5 1 Growth Rate of Underemployed Workers (%)

Round I		96	97	98	99
Male	Employed with hours worked <20 hrs	32 91	-14 90	169.51	-40.08
Female	Employed with hours worked <20 hrs.	27.92	-14 48	174 93	-42 74
Total	Employed with hours worked <20 hrs	30.26	-14 68	172 35	-41 49

Round III		96	97	98
Male	Employed with hours worked <20 hrs	-7 40	19.09	37.26
Female	Employed with hours worked <20 hrs	-11 89	29 03	24.89
Total	Employed with hours worked <20 hrs	-9 70	24 05	30 84

Table A.6 . Average Time Looking For Work (days)

Round I		95	96	97	98	99
Male	Mean	53 92	99 69	54.29	65 63	90 77
	Std. Deviation	67.71	109.35	58 94	73 59	100 28
Female	Mean	54 84	59 15	70.49	76.15	96 23
	Std. Deviation	73.06	73 48	83 00	84 32	109.50
Total	Mean	54 28	86 42	60.11	69 45	92 80
	Std Deviation	69.89	100.85	69 00	77 81	103 84

Round III		95	96	97	98
Male	Mean	62 69	67 91	74 02	85 82
	Std Deviation	72 39	70 70	80.16	82 29
Female	Mean	59 71	69.06	73 87	90 64
	Std Deviation	62 19	46 25	76 43	86 49
Total	Mean	61 33	68.37	73 96	87 46
	Std Deviation	67 94	62 10	78 65	83 78

Table A 6 1 :Growth Rate of Average Time Looking For Work (days)

Round I		96	97	98	99
Male	Mean	84 90	-45 54	20 89	38 30
	Std Deviation	61 50	-46 10	24 86	36 27
Female	Mean	7 87	19 16	8 04	26 37
	Std Deviation	0 58	12 95	1 59	29 87
Total	Mean	59 20	-30 44	15 53	33.63
	Std Deviation	44 30	-31 58	12 77	33 44

Round III		96	97	98
Male	Mean	8 33	9 00	15 93
	Std Deviation	-2 34	13 39	2 66
Female	Mean	15 65	6 97	22 70
	Std Deviation	-25 63	65 25	13 17
Total	Mean	11 48	8 18	18 25
	Std Deviation	-8 60	26 66	6 52

Table A 7 Work Status of Employed Persons

Round I	95	96	97	98	99
Private Employee					
Male	6,438,271	7,064,532	6,945 921	6,208,357	5,888,179
Female	4,262,242	4,588,643	4,674,384	4,454,072	4,308,284
Total	10,700,513	11,653,175	11,620,305	10,662,429	10,196,463
Employer and Government Employee					
Male	2,120,404	2,106,533	2,155,980	2,251,897	2,371,885
Female	953,933	1,026,920	1,014,499	1,182,455	1,188,294
Total	3,074,337	3,133,453	3,170,479	3,434,352	3,560,179
Own Account Worker and Unpaid Family Worker					
Male	8,098,873	8,010,020	8,202,578	8,385,155	8,810,605
Female	7,072,743	7,189,994	7,178,074	6,873,593	7,379,154
Total	15,171,616	15,200,014	15,380,652	15,258,748	16,189,759
Total (Employed)					
Male	16,657,548	17,181,085	17,304,479	16,845,409	17,070,669
Female	12,288,918	12,805,557	12,866,957	12,510,120	12,875,732
Total	28,946,466	29,986,642	30,171,436	29,355,529	29,946,401

Round III	95	96	97	98
Private Employee				
Male	5,265,499	5,751,192	5,678,644	4,995,687
Female	3,918,446	4,095,982	4,361,046	4,043,844
Total	9,183,945	9,847,174	10,039,690	9,039,531
Employer and Government Employee				
Male	2,305,967	2,095,448	2,092,912	2,288,734
Female	1,068,260	1,020,328	1,045,565	1,234,228
Total	3,374,227	3,115,776	3,138,477	3,522,962
Own Account Worker and Unpaid Family Worker				
Male	10,215,965	9,893,586	10,235,030	10,415,659
Female	9,815,882	9,377,726	9,549,406	9,222,353
Total	20,031,847	19,271,312	19,784,436	19,638,012
Total (Employed)				
Male	17,787,431	17,740,226	18,006,586	17,700,080
Female	14,802,588	14,494,036	14,956,017	14,500,425
Total	32,590,019	32,234,262	32,962,603	32,200,505

Table A.7.1 Work Status of Employed Persons (proportion, %)

Round I	95	96	97	98	99
Private Employee					
Male	22 24	23.56	23 02	21.15	19 66
Female	14 72	15.30	15 49	15 17	14.39
Total	36 97	38 86	38.51	36 32	34 05
Employer	0 00	0.00	0 00	0 00	0.00
Male	7.33	7 02	7 15	7.67	7 92
Female	3 30	3 42	3 36	4 03	3.97
Total	10 62	10 45	10.51	11 70	11.89
Own Acco	0.00	0.00	0.00	0.00	0 00
Male	27 98	26 71	27.19	28 56	29 42
Female	24 43	23 98	23 79	23 41	24 64
Total	52 41	50.69	50 98	51 98	54 06
Total (Employed)					
Male	57 55	57 30	57 35	57 38	57.00
Female	42 45	42.70	42 65	42 62	43 00
Total	100 00	100 00	100 00	100 00	100 00

Round III	95	96	97	98
Private Employee				
Male	16 16	17 84	17 23	15 51
Female	12 02	12 71	13 23	12 56
Total	28.18	30.55	30 46	28 07
Employer and Government Employee				
Male	7 08	6 50	6 35	7 11
Female	3 28	3.17	3 17	3 83
Total	10 35	9 67	9 52	10 94
Own Account Worker and Unpaid Family Worker				
Male	31 35	30 69	31 05	32 35
Female	30 12	29 09	28 97	28 64
Total	61 47	59 79	60 02	60 99
Total (Employed)				
Male	54 58	55 04	54 63	54 97
Female	45 42	44 96	45 37	45 03
Total	100 00	100 00	100 00	100 00

Table A 7 2 Work Status of Employed Persons (growth rate,%)

Round I	96	97	98	99
Private Employee				
Male	9 73	-1 68	-10 62	-5 16
Female	7 66	1 87	-4 71	-3 27
Total	8 90	-0 28	-8 24	-4 37
Employer and Government Employee				
Male	-0 65	2 35	4 45	5 33
Female	7 65	-1 21	16 56	0 49
Total	1 92	1 18	8 32	3 66
Own Account Worker and Unpaid Family Worker				
Male	-1 10	2 40	2 23	5 07
Female	1 66	-0 17	-4 24	7 36
Total	0 19	1 19	-0 79	6 10
Total (Employed)				
Male	3 14	0 72	-2 65	1 34
Female	4 20	0 48	-2 77	2 92
Total	3 59	0 62	-2 70	2 01

Round III	96	97	98
Private Employee			
Male	9 22	-1 26	-12 03
Female	4 53	6 47	-7 27
Total	7 22	1.96	-9 96
Employer and Government Employee			
Male	-9 13	-0 12	9 36
Female	-4.49	2 47	18 04
Total	-7 66	0 73	12.25
Own Account Worker and Unpaid Family Worker			
Male	-3 16	3 45	1 76
Female	-4 46	1 83	-3 42
Total	-3 80	2 66	-0 74
Total (Employed)			
Male	-0 27	1 50	-1 70
Female	-2 08	3 19	-3 05
Total	-1 09	2 26	-2 31

Table A 8 Employed Persons with Real Wage Rates >0

Round I	95	96	97	98	99
Government employee					
Male	1,518,344	1,373,454	1,481,855	1,584,922	1,569,010
Female	792,384	841,989	853,077	1,006,004	995,534
Total	2,310,728	2,215,443	2,334,932	2,590,926	2,564,544
Private employee					
Male	6,292,426	6,843,838	6,723,363	5,981,778	5,735,783
Female	4,144,764	4,447,075	4,559,030	4,326,347	4,209,998
Total	10,437,190	11,290,913	11,282,393	10,308,125	9,945,781
Total					
Male	7,810,770	8,217,292	8,205,218	7,566,700	7,304,793
Female	4,937,148	5,289,064	5,412,107	5,332,351	5,205,532
Total	12,747,918	13,506,356	13,617,325	12,899,051	12,510,325

Round III	95	96	97	98
Government employee				
Male	1,481,104	1,384,757	1,440,393	1,597,840
Female	851,100	820,528	877,549	1,037,388
Total	2,332,204	2,205,285	2,317,942	2,635,228
Private employee				
Male	5,136,436	5,600,138	5,544,945	4,897,042
Female	3,843,577	3,974,903	4,274,444	3,944,580
Total	8,980,013	9,575,041	9,819,389	8,841,622
Total				
Male	6,617,540	6,984,895	6,985,338	6,494,882
Female	4,694,677	4,795,431	5,151,993	4,981,968
Total	11,312,217	11,780,326	12,137,331	11,476,850

Table A 8 1 Employed Persons with Real Wage Rates >0 (proportion, %)

Round I	95	96	97	98	99
Government employee					
Male	11 91	10 17	10 88	12 29	12 54
Female	6 22	6 23	6 26	7 80	7 96
Total	18 13	16 40	17 15	20.09	20 50
Private employee					
Male	49 36	50 67	49 37	46 37	45.85
Female	32 51	32.93	33 48	33 54	33.65
Total	81 87	83 60	82 85	79 91	79 50
Total					
Male	61 27	60 84	60 26	58 66	58 39
Female	38 73	39 16	39 74	41 34	41 61
Total	100 00	100 00	100 00	100 00	100 00

Round III	95	96	97	98
Government employee				
Male	13 09	11 75	11 87	13 92
Female	7 52	6 97	7 23	9 04
Total	20 62	18 72	19.10	22.96
Private employee				
Male	45 41	47 54	45 69	42 67
Female	33 98	33 74	35 22	34 37
Total	79 38	81 28	80 90	77.04
Total				
Male	58 50	59 29	57 55	56 59
Female	41 50	40 71	42 45	43.41
Total	100 00	100.00	100 00	100 00

Table A 8 2 Employed Persons with Real Wage Rates >0 (growth rate, %)

Round I	96	97	98	99
Government employee				
Male	-9 54	7 89	6 96	-1 00
Female	6.26	1 32	17 93	-1 04
Total	-4 12	5 39	10 96	-1 02
Private employee				
Male	8 76	-1.76	-11 03	-4 11
Female	7 29	2 52	-5 10	-2 69
Total	8 18	-0 08	-8 64	-3 52
Total				
Male	5 20	-0 15	-7 78	-3 46
Female	7 13	2 33	-1 47	-2 38
Total	5 95	0 82	-5 27	-3 01

Round III	96	97	98
Government employee			
Male	-6 51	4 02	10 93
Female	-3 59	6 95	18 21
Total	-5 44	5 11	13 69
Private employee			
Male	9 03	-0 99	-11 68
Female	3 42	7 54	-7 72
Total	6 63	2 55	-9 96
Total			
Male	5 55	0 01	-7 02
Female	2 15	7 44	-3 30
Total	4 14	3 03	-5 44

Table A 9 Employed Persons with Wage

Round I	95	96	97	98	99
Government Employee					
Male	1,569,605	1,425,321	1,526,515	1,620,998	1,598,681
Femal	832,395	873,483	877,905	1,033,365	1,023,172
Total	2,402,000	2,298,804	2,404,420	2,654,363	2,621,853
Private Employee					
Male	6,438,271	7,064,532	6,945,921	6,208,357	5,888,179
Femal	4,262,242	4,588,643	4,674,384	4,454,072	4,308,284
Total	10,700,513	11,653,175	11,620,305	10,662,429	10,196,463
Total					
Male	8,007,876	8,489,853	8,472,436	7,829,355	7,486,860
Femal	5,094,637	5,462,126	5,552,289	5,487,437	5,331,456
Total	13,102,513	13,951,979	14,024,725	13,316,792	12,818,316

Round III	95	96	97	98
Government Employee				
Male	1,543,935	1,443,045	1,487,322	1,631,450
Femal	878,322	858,859	914,821	1,062,015
Total	2,422,257	2,301,904	2,402,143	2,693,465
Private Employee				
Male	5,265,499	5,751,192	5,678,644	4,995,687
Femal	3,918,446	4,095,982	4,361,046	4,043,844
Total	9,183,945	9,847,174	10,039,690	9,039,531
Total				
Male	6,809,434	7,194,237	7,165,966	6,627,137
Femal	4,796,768	4,954,841	5,275,867	5,105,859
Total	11,606,202	12,149,078	12,441,833	11,732,996

Table A.9 1 Employed Persons with Wage (proportion,%)

\

Round I	95	96	97	98	99
Government Employee					
Male	11 98	10 22	10 88	12 17	12 47
Femal	6 35	6 26	6 26	7 76	7 98
Total	18 33	16 48	17 14	19 93	20.45
Private Employee					
Male	49 14	50 63	49 53	46.62	45 94
Femal	32 53	32.89	33.33	33.45	33.61
Total	81.67	83 52	82 86	80 07	79 55
Total					
Male	61 12	60 85	60 41	58 79	58.41
Femal	38 88	39 15	39 59	41 21	41 59
Total	100 00	100.00	100.00	100 00	100 00

Round III	95	96	97	98
Government Employee				
Male	13 30	11 88	11 95	13 90
Femal	7 57	7 07	7 35	9 05
Total	20 87	18 95	19 31	22 96
Private Employee				
Male	45 37	47.34	45 64	42 58
Femal	33 76	33 71	35 05	34 47
Total	79 13	81 05	80 69	77 04
Total				
Male	58 67	59 22	57 60	56 48
Femal	41 33	40 78	42 40	43 52
Total	100 00	100 00	100 00	100 00

Table A 9 2 Employed Persons with Wage (growth rate,%)

\

Round I	96	97	98	99
Government Employee				
Male	-9 19	7 10	6 19	-1 38
Femal	4 94	0 51	17 71	-0 99
Total	-4 30	4 59	10 40	-1 22
Private Employee				
Male	9 73	-1 68	-10 62	-5 16
Femal	7 66	1 87	-4 71	-3 27
Total	8 90	-0 28	-8 24	-4 37
Total				
Male	6 02	-0 21	-7 59	-4 37
Femal	7 21	1 65	-1 17	-2 84
Total	6 48	0 52	-5 05	-3 74

Round III	96	97	98
Government Employee			
Male	-6 53	3 07	9 69
Femal	-2 22	6 52	16 09
Total	-4 97	4 35	12 13
Private Employee			
Male	9 22	-1 26	-12 03
Femal	4 53	6 47	-7.27
Total	7 22	1 96	-9 96
Total			
Male	5 65	-0 39	-7 52
Femal	3 30	6 48	-3.22
Total	4.68	2.41	-5 70

Table A.10 Migration Status of Persons 13 Years of Age and Over

Round I	95	96	97	98	99
Migrant	6,597,387	6,935,342	6,028,780	7,487,429	7,752,705
Male	3,582,323	3,823,045	3,382,978	4,170,382	3,823,045
Female	3,015,064	3,112,297	2,645,802	3,317,047	3,382,978
Nonmigrant	38,011,089	38,425,982	40,043,076	39,321,147	37,678,824
Male	18,608,327	18,740,311	19,515,984	19,070,497	18,740,311
Female	19,402,762	19,685,671	20,527,092	20,250,650	19,515,984
Total	44,608,476	45,361,324	46,071,856	46,808,576	45,431,529
Male	22,190,650	22,563,356	22,898,962	23,240,879	22,563,356
Female	22,417,826	22,797,968	23,172,894	23,567,697	22,898,962

Round III	95	96	97	98
Migrant	7,016,468	6,898,989	6,136,268	7,460,731
Male	3,920,894	3,894,552	3,441,742	4,092,493
Female	3,095,574	3,004,437	2,694,526	3,368,238
Nonmigrant	38,006,089	38,794,265	40,265,742	39,709,023
Male	18,480,586	18,819,756	19,611,312	19,331,236
Female	19,525,503	19,974,509	20,654,430	20,377,787
Total	45,022,557	45,693,254	46,402,010	47,169,754
Male	22,401,480	22,714,308	23,053,054	23,423,729
Female	22,621,077	22,978,946	23,348,956	23,746,025

Table A 10 1 Proportion of Migration Status of Persons 13 Years of Age and Over (%)

Round I	95	96	97	98	99
Migrant	14 79	15 29	13 09	16.00	17 06
Male	16 14	16 94	14 77	17 94	16 94
Female	13 45	13.65	11 42	14 07	14 77
Nonmigrant	85 21	84 71	86 91	84 00	82 94
Male	83 86	83 06	85 23	82 06	83 06
Female	86 55	86.35	88 58	85 93	85 23
Total	100 00	100 00	100 00	100 00	100 00
Male	100 00	100 00	100 00	100 00	100 00
Female	100 00	100 00	100 00	100 00	100 00

Round III	95	96	97	98
Migrant	15 58	15 10	13 22	15 82
Male	17 50	17 15	14 93	17 47
Female	13 68	13 07	11 54	14 18
Nonmigrant	84 42	84 90	86 78	84 18
Male	82 50	82 85	85 07	82 53
Female	86 32	86.93	88 46	85 82
Total	100 00	100 00	100 00	100 00
Male	100 00	100 00	100 00	100 00
Female	100 00	100 00	100 00	100 00

Table A 10 1 Proportion of Migration Status of Persons 13 Years of Age and Over (%)

Round I	95	96	97	98	99
Migrant	14 79	15 29	13 09	16 00	17 06
Male	16 14	16 94	14 77	17 94	16 94
Female	13 43	13 65	11 42	14 07	14 77
Nonmigrant	85 21	84 71	86 91	84 00	82.94
Male	83 86	83 06	85 23	82 06	83.06
Female	86 55	86 35	88 58	85 93	85 23
Total	100 00	100 00	100 00	100 00	100.00
Male	100 00	100 00	100 00	100 00	100 00
Female	100 00	100 00	100 00	100 00	100 00

Round III	95	96	97	98
Migrant	15 58	15 10	13 22	15 82
Male	17 50	17 15	14 93	17 47
Female	13 68	13 07	11 54	14 18
Nonmigrant	84 42	84 90	86 78	84 18
Male	82 50	82 85	85 07	82.53
Female	86 32	86 93	88 46	85 82
Total	100 00	100 00	100 00	100 00
Male	100 00	100 00	100 00	100 00
Female	100 00	100 00	100 00	100 00

Table A 10 2 Migration Status of Persons 13 Years of Age and Over (growth rate,%)

Round I	96	97	98	99
Migrant	5 12	-13 07	24 19	3 54
Male	6 72	-11 51	23.28	-8 33
Female	3 22	-14.99	25 37	1 99
Nonmigrant	1 09	4 21	-1 80	-4 18
Male	0 71	4 14	-2.28	-1 73
Female	1 46	4 27	-1 35	-3 63
Total	1.69	1 57	1 60	-2.94
Male	1.68	1.49	1 49	-2 92
Female	1 70	1 64	1.70	-2.84

Round III	96	97	98
Migrant	-1 67	-11 06	21 58
Male	-0 67	-11 63	18.91
Female	-2.94	-10 32	25 00
Nonmigrant	2 07	3 79	-1 38
Male	1 84	4 21	-1 43
Female	2 30	3 40	-1 34
Total	1 49	1 55	1.65
Male	1 40	1 49	1 61
Female	1 58	1 61	1 70

Table A 11 Migration Status of Employed Persons

Round I	95	96	97	98	99
Migrant	4,823,072	5,302,246	4,514,278	5,089,404	4,986,241
Male	2,955,531	3,286,966	2,851,818	3,218,735	3,102,100
Female	1,867,541	2,015,280	1,662,460	1,870,669	1,884,141
Nonmigrant	24,123,396	24,684,393	25,657,157	24,266,124	24,960,158
Male	13,702,018	13,894,116	14,452,659	13,626,673	13,968,571
Female	10,421,378	10,790,277	11,204,498	10,639,451	10,991,587
Total employed persons	28,946,468	29,986,639	30,171,435	29,355,528	29,946,399
Male	16,657,549	17,181,082	17,304,477	16,845,408	17,070,671
Female	12,288,919	12,805,557	12,866,958	12,510,120	12,875,728

Round III	95	96	97	98
Migrant Total	5,643,642	5,608,765	4,898,616	5,488,663
Male	3,473,461	3,489,159	3,048,407	3,353,712
Female	2,170,181	2,119,606	1,850,209	2,134,951
Nonmigrant	26,946,381	26,625,499	28,063,985	26,711,844
Male	14,313,975	14,251,069	14,958,175	14,346,368
Female	12,632,406	12,374,430	13,105,810	12,365,476
Total employed persons	32,590,023	32,234,264	32,962,601	32,200,507
Male	17,787,436	17,740,228	18,006,582	17,700,080
Female	14,802,587	14,494,036	14,956,019	14,500,427

Table A 11 1 Proportion of Migration Status of Employed Persons (%)

Round I	95	96	97	98	99
Migrant	16.66	17 68	14 96	17 34	16 65
Male	17.74	19 13	16 48	19 11	18 17
Female	15 20	15 74	12 92	14 95	14 63
Nonmigrant	83 34	82 32	85 04	82 66	83.35
Male	82 26	80 87	83 52	80 89	81 83
Female	84.80	84 26	87 08	85.05	85 37
Total employed persons	100 00	100 00	100 00	100 00	100.00
Male	100.00	100 00	100.00	100.00	100.00
Female	100 00	100 00	100 00	100 00	100 00

Round III	95	96	97	98
Migrant	17 32	17 40	14 86	17 05
Male	19.53	19 67	16 93	18 95
Female	14 66	14 62	12 37	14 72
Nonmigrant	82.68	82 60	85.14	82 95
Male	80 47	80 33	83 07	81 05
Female	85.34	85 38	87 63	85 28
Total employed persons	100 00	100 00	100 00	100 00
Male	100 00	100 00	100 00	100 00
Female	100 00	100 00	100 00	100 00

Table A 11 2 Migration status of employed persons (growth rate,%)

Round 1	96	97	98	99
Migrant	9 94	-14 86	12 74	-2 03
Male	11 21	-13 24	12 87	-3 62
Female	7 91	-17 51	12 52	0 72
Nonmigrant	2 33	3 94	-5 42	2 86
Male	1 40	4 02	-5 72	2 51
Female	3 54	3 84	-5 04	3 31
Total employed persons	3 59	0 62	-2 70	2 01
Male	3 14	0 72	-2 65	1 34
Female	4 20	0 48	-2.77	2 92

Round 3	96	97	98
Migrant Total	-0 62	-12 66	12 05
Male	0 45	-12 63	10 02
Female	-2 33	-12 71	15 39
Nonmigrant	-1 19	5 40	-4 82
Male	-0 44	4 96	-4 09
Female	-2 04	5 91	-5.65
Total employed persons	-1 09	2 26	-2.31
Male	-0 27	1 50	-1 70
Female	-2 08	3.19	-3 05

Table A.12 : Marital Status of Persons 15 Years of Age and Over

Round I		95	96	97	98	99
Male		21,085,000	21,455,500	21,797,000	22,144,500	22,496,500
	Single	6,838,970	6,719,307	6,948,509	7,083,702	7,183,095
	Married	13,477,467	13,893,959	14,030,037	14,238,327	14,465,774
	Widow	520,200	550,835	510,721	517,701	537,174
	Divorced	98,131	110,971	125,279	129,821	132,519
	Separated	150,232	180,428	182,454	174,949	177,938
Female		21,364,500	21,750,500	22,116,001	22,486,501	22,860,499
	Single	5,211,424	5,181,313	5,317,623	5,539,251	5,547,120
	Married	13,372,311	13,764,255	13,909,014	14,059,644	14,255,798
	Widow	2,139,154	2,230,300	2,178,968	2,239,960	2,310,801
	Divorced	225,422	206,079	261,480	255,840	305,437
	Separated	416,189	368,553	448,916	391,806	441,343
Total		42,449,500	43,206,000	43,913,001	44,631,001	45,356,999
	Single	12,050,394	11,900,620	12,266,132	12,622,953	12,730,215
	Married	26,849,778	27,658,214	27,939,051	28,297,971	28,721,572
	Widow	2,659,354	2,781,135	2,689,689	2,757,661	2,847,975
	Divorced	323,553	317,050	386,759	385,661	437,956
	Separated	566,421	548,981	631,370	566,755	619,281

Round III		95	96	97	98
Male		21,286,072	21,625,001	21,968,985	22,319,999
	Single	6,571,801	6,607,416	6,994,873	7,172,242
	Married	13,927,085	14,180,118	14,137,045	14,296,870
	Widow	544,470	572,055	541,937	544,209
	Divorced	85,319	92,780	124,424	116,057
	Separated	157,397	172,632	170,706	190,621
Female		21,570,288	21,930,999	22,300,998	22,672,000
	Single	5,155,156	5,198,254	5,373,886	5,550,779
	Married	13,581,220	13,911,601	14,003,764	14,161,381
	Widow	2,180,180	2,262,253	2,223,189	2,277,923
	Divorced	231,778	209,602	270,184	257,866
	Separated	421,954	349,289	429,975	424,051
Total		42,856,360	43,556,000	44,269,983	44,991,999
	Single	11,726,957	11,805,670	12,368,759	12,723,021
	Married	27,508,305	28,091,719	28,140,809	28,458,251
	Widow	2,724,650	2,834,308	2,765,126	2,822,132
	Divorced	317,097	302,382	394,608	373,923
	Separated	579,351	521,921	600,681	614,672

Table A 12 1 Marital Status of Persons 15 Years of Age and Over (proportion,%)

Round I	95	96	97	98	99
Male	49 67	49 66	49 64	49 62	49 60
Single	16 11	15 55	15 82	15 87	15 84
Married	31 75	32 16	31 95	31 90	31.89
Widow	1 23	1 27	1 16	1 16	1 18
Divorced	0 23	0 26	0 29	0 29	0 29
Separated	0 35	0 42	0 42	0 39	0 39
Female	50 33	50 34	50 36	50 38	50 40
Single	12 28	11 99	12.11	12 41	12 23
Married	31 50	31 86	31 67	31 50	31 43
Widow	5 04	5 16	4 96	5 02	5.09
Divorced	0 53	0 48	0 60	0 57	0.67
Separated	0 98	0 85	1 02	0 88	0 97
Total	100 00	100 00	100 00	100 00	100 00
Single	28 39	27 54	27 93	28 28	28.07
Married	63 25	64 01	63 62	63 40	63.32
Widow	6 26	6 44	6 13	6 18	6.28
Divorced	0 76	0 73	0 88	0 86	0 97
Separated	1 33	1 27	1 44	1.27	1 37

Round III	95	96	97	98
Male	49 67	49 65	49 63	49 61
Single	15 33	15 17	15.80	15.94
Married	32 50	32 56	31 93	31 78
Widow	1.27	1 31	1.22	1.21
Divorced	0 20	0 21	0 28	0 26
Separated	0 37	0 40	0 39	0 42
Female	50 33	50 35	50 37	50 39
Single	12 03	11 93	12 14	12 34
Married	31 69	31 94	31 63	31 48
Widow	5 09	5 19	5 02	5.06
Divorced	0 54	0 48	0 61	0.57
Separated	0 98	0 80	0.97	0.94
Total	100 00	100 00	100.00	100 00
Single	27 36	27 10	27 94	28.28
Married	64.19	64 50	63 57	63.25
Widow	6 36	6 51	6 25	6.27
Divorced	0 74	0 69	0 89	0 83
Separated	1 35	1 20	1 36	1 37

Table A 12.2 Marital Status of Persons 15 Years of Age and Over (growth rate,%)

Round I		96	97	98	99
Male		1 76	1 59	1 59	1.59
	Single	-1 75	3.41	1 95	1 40
	Married	3 09	0 98	1 48	1 60
	Widow	5.89	-7.28	1 37	3 76
	Divorced	13 08	12.89	3 63	2.08
	Separated	20 10	1 12	-4 11	1 71
Female		1.81	1 68	1 68	1.66
	Single	-0.58	2 63	4 17	0.14
	Married	2 93	1.05	1 08	1 40
	Widow	4 26	-2 30	2 80	3 16
	Divorced	-8 58	26 88	-2 16	19 39
	Separated	-11 45	21.81	-12 72	12 64
Total		1 78	1 64	1 64	1 63
	Single	-1.24	3 07	2 91	0 85
	Married	3 01	1.02	1 28	1 50
	Widow	4 58	-3 29	2 53	3.28
	Divorced	-2 01	21 99	-0 28	13.56
	Separated	-3 08	15 01	-10 23	9 27

Round III		96	97	98
Male		1 59	1 59	1 60
	Single	0 54	5 86	2 54
	Married	1 82	-0 30	1 13
	Widow	5 07	-5 26	0 42
	Divorced	8 74	34.11	-6 72
	Separated	9 68	-1 12	11 67
Female		1 67	1 69	1 66
	Single	0 84	3 38	3 29
	Married	2 43	0 66	1 13
	Widow	3 76	-1 73	2 46
	Divorced	-9 57	28 90	-4 56
	Separated	-17 22	23 10	-1 38
Total		1 63	1 64	1 63
	Single	0 67	4 77	2 86
	Married	2 12	0 17	1 13
	Widow	4 02	-2 44	2 06
	Divorced	-4 64	30 50	-5 24
	Separated	-9 91	15 09	2 33

Table A 13 Marital Status of Employed Persons

Round I		95	96	97	98	99
Male		16,556,281	17,090,390	17,213,029	16,769,650	16,985,870
	Single	4,086,301	4,046,150	4,107,967	3,838,734	3,794,906
	Married	12,051,417	12,582,885	12,634,682	12,483,244	12,724,031
	Unmarried	418,563	461,355	470,380	447,672	466,933
Female		12,171,406	12,726,103	12,800,502	12,447,144	12,805,697
	Single	2,917,180	2,844,944	2,769,271	2,741,980	2,581,886
	Married	8,044,934	8,679,485	8,709,790	8,456,537	8,837,957
	Unmarried	1,209,292	1,201,674	1,321,441	1,248,627	1,385,854
Total		28,727,687	29,816,493	30,013,531	29,216,794	29,791,567
	Single	7,003,481	6,891,094	6,877,238	6,580,714	6,376,792
	Married	20,096,351	21,262,370	21,344,472	20,939,781	21,561,988
	Unmarried	1,627,855	1,663,029	1,791,821	1,696,299	1,852,787

Round III		95	96	97	98
Male		17,626,836	17,637,601	17,895,124	17,590,838
	Single	4,413,204	4,249,082	4,521,547	4,335,669
	Married	12,754,076	12,932,441	12,875,011	12,791,328
	Unmarried	459,556	456,078	498,566	463,841
Female		14,665,663	14,409,755	14,856,209	14,412,052
	Single	3,168,327	2,976,720	3,078,105	2,961,386
	Married	10,143,423	10,161,033	10,395,605	10,093,355
	Unmarried	1,353,913	1,272,002	1,382,499	1,357,311
Total		32,292,499	32,047,356	32,751,333	32,002,890
	Single	7,581,531	7,225,802	7,599,652	7,297,055
	Married	22,897,499	23,093,474	23,270,616	22,884,683
	Unmarried	1,813,469	1,728,080	1,881,065	1,821,152

Note Unmarried contains widow, divorced and separated

Table A 13 1 Marital Status of Employed Persons (proportion,%)

Round I		95	96	97	98	99
Male		57.63	57 32	57 35	57.40	57 02
	Single	14 22	13 57	13 69	13.14	12 74
	Married	41.95	42.20	42.10	42 73	42 71
	Unmarried	1 46	1.55	1 57	1 53	1 57
Female		42 37	42 68	42 65	42 60	42 98
	Single	10.15	9 54	9 23	9 38	8 67
	Married	28.00	29 11	29 02	28 94	29 67
	Unmarried	4 21	4 03	4 40	4.27	4 65
Total		100.00	100 00	100 00	100 00	100 00
	Single	24 38	23 11	22 91	22.52	21 40
	Married	69 95	71 31	71.12	71 67	72 38
	Unmarried	5 67	5.58	5.97	5 81	6 22

Round III		95	96	97	98
Male		54 58	55 04	54 64	54 97
	Single	13 67	13 26	13 81	13 55
	Married	39 50	40.35	39 31	39 97
	Unmarried	1.42	1 42	1 52	1 45
Female		45 42	44 96	45 36	45 03
	Single	9 81	9 29	9.40	9 25
	Married	31 41	31 71	31 74	31 54
	Unmarried	4 19	3 97	4 22	4 24
Total		100.00	100 00	100 00	100.00
	Single	23 48	22 55	23 20	22 80
	Married	70 91	72 06	71 05	71 51
	Unmarried	5 62	5 39	5 74	5 69

Note Unmarried contains widow, divorced and separated

Table A 13 2 Marital Status of Employed Persons (growth rate,%)

Round I		96	97	98	99
Male		3 23	0 72	-2 58	1 29
	Single	-0 98	1 53	-6 55	-1 14
	Married	4 41	0 41	-1 20	1 93
	Unmarried	10.22	1 96	-4 83	4 30
Female		4.56	0 58	-2 76	2 88
	Single	-2 48	-2 66	-0 99	-5 84
	Married	7 89	0 35	-2 91	4 51
	Unmarried	-0 63	9 97	-5 51	10 99
Total		3 79	0 66	-2 65	1 97
	Single	-1 60	-0 20	-4 31	-3 10
	Married	5 80	0 39	-1 90	2 97
	Unmarried	2 16	7 74	-5 33	9 23

Round III		96	97	98
Male		0 06	1 46	-1 70
	Single	-3 72	6 41	-4 11
	Married	1 40	-0.44	-0 65
	Unmarried	-0 76	9 32	-6 96
Female		-1 74	3 10	-2 99
	Single	-6 05	3 41	-3 79
	Married	0 17	2 31	-2 91
	Unmarried	-6 05	8 69	-1 82
Total		-0.76	2 20	-2 29
	Single	-4 69	5 17	-3 98
	Married	0 86	0.77	-1 66
	Unmarried	-4 71	8 85	-3 19

Note Unmarried contains widow, divorced and separated

Table A.14 : Average Real Wage Rates by Sex (Baht / hrs)

Round I		95	96	97	98	99
Male	Mean	25.61	25.93	27 66	30 20	27 51
	Std Deviation	28 11	32 71	33.50	39 63	34 19
Female	Mean	22 12	23.00	24 94	26 57	24 53
	Std Deviation	24.63	26 83	26 63	32.25	27.22
Total	Mean	24.26	24.78	26 58	28.70	26.27
	Std Deviation	26 87	30 57	30 98	36 80	31 51

Round III		95	96	97	98
Male	Mean	28.82	28.24	34.46	30 01
	Std Deviation	34 31	31 70	46 27	38 69
Female	Mean	24 48	24.21	31 01	25.72
	Std. Deviation	30.49	26 12	39.33	27 77
Total	Mean	27 02	26.60	32 99	28.15
	Std Deviation	32 85	29 62	43.49	34 45

Table A 14 1 Average Real Wage Rates by sex (Baht / hrs , growth rate,%)

Round I		96	97	98	99
Male	Mean	1 27	6 68	9 16	-8 91
	Std Deviation	16.37	2 43	18 28	-13 72
Female	Mean	3 99	8 41	6 55	-7.67
	Std Deviation	8 90	-0 74	21 11	-15 60
Total	Mean	2 18	7 24	7 97	-8 47
	Std Deviation	13 79	1 34	18 78	-14 37

Round III		96	97	98
Male	Mean	-2 00	22 00	-12 90
	Std Deviation	-7 61	45 97	-16 36
Female	Mean	-1 10	28 05	-17 06
	Std Deviation	-14 34	50 57	-29 39
Total	Mean	-1 54	24 02	-14 69
	Std Deviation	-9 83	46 83	-20 79

Table A 15 Average Total Hours Worked Per Week by Sex

Round I		95	96	97	98	99
Male	Mean	51 76	52 28	52 14	49 43	50 53
	Std Deviation	13 52	14 00	13 84	15 77	15 03
Female	Mean	50 17	50 10	49 92	46 90	48 60
	Std Deviation	14 43	14 84	14 64	16 63	15.61
Total	Mean	51 09	51 35	51 19	48 35	49 70
	Std Deviation	13 94	14 41	14 23	16 19	15.31

Round III		95	96	97	98
Male	Mean	53 15	52 47	51 02	51 84
	Std Deviation	13 81	13 61	14 96	14 94
Female	Mean	51 06	50 13	49 10	49.87
	Std Deviation	13 98	13 76	15 01	15.00
Total	Mean	52 20	51 41	50 15	50 95
	Std Deviation	13 92	13 73	15 02	15 00

Table A 15 1 Average Total Hours Worked Per Week by Sex (growth rate,%)

Round I		96	97	98	99
Male	Mean	1 00	-0 27	-5 21	2 23
	Std Deviation	3 53	-1 14	13 95	-4 71
Female	Mean	-0 13	-0 37	-6 05	3 64
	Std. Deviation	2 86	-1 34	13 58	-6 13
Total	Mean	0 52	-0 31	-5 56	2 80
	Std Deviation	3 37	-1.21	13.78	-5 44

Round III		96	97	98
Male	Mean	-1 29	-2 75	1 60
	Std Deviation	-1 43	9 95	-0 14
Female	Mean	-1 83	-2 05	1 57
	Std Deviation	-1 55	9 11	-0 06
Total	Mean	-1 51	-2 46	1 60
	Std. Deviation	-1 41	9 40	-0 10

Table A 16 Proportion of Workers with Real Wage Above the 1995 First Quintile by Sex (%)

Round I	95	96	97	98	99
Male	85.11	90 47	94 80	95 34	94 38
Female	71 91	82.20	89.67	91.81	89.84
Total	80 00	87 23	92.76	93.88	92 49

Round III	95	96	97	98
Male	85.02	90.19	94 84	93 05
Female	72.91	81.50	89.63	88.94
Total	79.99	86.65	92.63	91.26

Table A 16 1 Growth Rate of Proportion of Workers with Real Wage Above the 1995 First Quintile by Sex (%)

Round I	96	97	98	99
Male	6 30	4 78	0 57	-1 01
Female	14 30	9 09	2 39	-2 14
All	9.04	6.34	1 20	-1 48

Round III	96	97	98
Male	6 09	5 15	-1 89
Female	11 78	9 98	-0.77
All	8 33	6 90	-1 47

Table A 17 Average Real Wage rates by Age (Baht / hrs)

Round I			95	96	97	98	99
age 13-14	Male	Mean	7 88	9 22	11 14	7 97	11 29
		Std Deviation	3 93	3 27	13 19	5 40	13 46
	Female	Mean	7 75	8 39	10 08	8 69	7 50
		Std Deviation	2 88	4 87	12 30	4 37	3 54
	Total	Mean	7 80	8 88	10 70	8 30	9 88
		Std Deviation	3 35	4 03	12 84	4 96	11 03
age 15-19	Male	Mean	12 17	12 51	13 95	13.88	11 90
		Std Deviation	7 28	5 29	6 78	10 90	5 54
	Female	Mean	11 38	12 22	13 17	13 17	11 81
		Std Deviation	7 61	7 39	7 10	9 49	6 20
	Total	Mean	11 78	12 38	13 62	13 57	11 86
		Std Deviation	7 45	6 33	6 93	10 32	5 85
age 20-24	Male	Mean	16 03	16 74	17 40	18 56	15 59
		Std Deviation	8 87	10 17	9 80	13 51	7 91
	Female	Mean	15 65	16 36	17 54	18 43	16 56
		Std Deviation	9 29	9 33	10 33	15 62	15 18
	Total	Mean	15 87	16 58	17 46	18 50	16 03
		Std Deviation	9 05	9 83	10 03	14 50	11 75
age 25-49	Male	Mean	27 80	28 16	29.67	31 89	28 17
		Std Deviation	27 95	33 98	32.94	39.03	29 21
	Female	Mean	26 44	26 27	27 97	29.20	26 53
		Std Deviation	27 71	29 15	28 30	34 39	26.71
	Total	Mean	27 30	27 43	28 99	30.77	27 49
		Std Deviation	27 87	32 22	31 19	37.20	28 21
age 50+	Male	Mean	39 10	39.08	40.25	46.10	48 74
		Std Deviation	46 05	50.41	55.65	63 58	67 12
	Female	Mean	25 08	30 03	30.93	35.31	36.76
		Std Deviation	35 31	43 95	42 11	45 49	47.94
	Total	Mean	34 77	36 34	37 41	42 58	44.74
		Std Deviation	43 51	48 73	52 08	58.52	61.65
Total	Male	Mean	25 61	25.93	27 66	30 20	27 51
		Std Deviation	28 11	32.71	33.50	39 63	34.19
	Female	Mean	22 12	23.00	24 94	26 57	24 53
		Std Deviation	24.63	26.83	26 63	32 25	27 22
	Total	Mean	24 26	24 78	26 58	28 70	26.27
		Std. Deviation	26 87	30 57	30 98	36 80	31 51

Table A 17 Average Real Wage rates by Age (Baht / hrs) , (continued)

Round III			95	96	97	98
age 13-14	Male	Mean	8 53	9 12	11 11	9 10
		Std Deviation	3 74	3 51	3 77	4 30
	Female	Mean	7.91	9 14	7 89	7 46
		Std Deviation	4 23	5 60	3 46	2.58
	Total	Mean	8 26	9 13	9 66	8 45
		Std Deviation	3 98	4 78	3 97	3 81
age 15-19	Male	Mean	13 27	12 96	14 50	12.38
		Std Deviation	7 52	6 47	7 61	8 28
	Female	Mean	12 51	12 29	13 91	12 31
		Std Deviation	7 45	5 44	6 70	10 42
	Total	Mean	12 90	12 65	14 23	12 34
		Std. Deviation	7 50	6 03	7 21	9 37
age 20-24	Male	Mean	18 41	17 64	19 52	16 78
		Std Deviation	11.53	9 78	12 07	9.73
	Female	Mean	17 10	18 09	20 00	16 65
		Std Deviation	9 95	10 82	13 22	8 91
	Total	Mean	17 79	17 84	19 75	16 72
		Std Deviation	10 83	10 25	12 62	9 35
age 25-49	Male	Mean	31 32	30 40	37 13	31 06
		Std Deviation	36 04	30 81	45 05	37 00
	Female	Mean	29.02	27.68	35 49	27 86
		Std Deviation	35 50	28 77	41 80	27 60
	Total	Mean	30 41	29 31	36 44	29 67
		Std Deviation	35 84	30 04	43 73	33 28
age 50+	Male	Mean	42 62	43 83	54 06	49 52
		Std Deviation	48 87	53 55	78 27	62 50
	Female	Mean	25 36	27 84	38 89	38 52
		Std Deviation	34 83	37 27	61 57	47 67
	Total	Mean	36 30	38 47	48 54	45.63
		Std Deviation	45 03	49 28	73 00	57 93
Total	Male	Mean	28 82	28 24	34 46	30 01
		Std Deviation	34 31	31 70	46 27	38 69
	Female	Mean	24 48	24 21	31 01	25 72
		Std Deviation	30 49	26 12	39 33	27 77
	Total	Mean	27 02	26 60	32 99	28 15
		Std Deviation	32 85	29 62	43 49	34 45

Table A 17 1 Growth Rate of Average Real Wage rates by Age (%)

Round I			96	97	98	99
age 13-14	Male	Mean	17 03	20 81	-28 42	41 63
		Std Deviation	-16 82	303 03	-59 07	149 37
	Female	Mean	8 28	20 12	-13 76	-13 65
		Std Deviation	68 95	152 66	-64 46	-18 94
	Total	Mean	13.78	20 54	-22 39	18.96
		Std Deviation	20 20	218 61	-61 34	122.21
age 15-19	Male	Mean	2 84	11 51	-0.54	-14 22
		Std. Deviation	-27 40	28 30	60 78	-49 22
	Female	Mean	7 36	7 77	0 00	-10 33
		Std Deviation	-2 92	-3 86	33 59	-34 68
	Total	Mean	5 04	9 98	-0 33	-12.60
		Std Deviation	-15 06	9 51	48 86	-43 34
age 20-24	Male	Mean	4 40	3 95	6 68	-16 01
		Std Deviation	14 69	-3 65	37 87	-41.45
	Female	Mean	4 51	7 19	5.11	-10 16
		Std Deviation	0 47	10 66	51 24	-2 82
	Total	Mean	4 48	5 31	5 98	-13 39
		Std Deviation	8 56	2 07	44.51	-18 93
age 25-49	Male	Mean	1 32	5 33	7 49	-11 65
		Std Deviation	21 58	-3 06	18 46	-25 14
	Female	Mean	-0 65	6 47	4.40	-9 13
		Std Deviation	5 20	-2 95	21 55	-22 34
	Total	Mean	0 49	5 69	6 14	-10 67
		Std Deviation	15 58	-3 18	19 26	-24 16
age 50+	Male	Mean	-0 05	3 00	14 53	5 74
		Std Deviation	9 48	10 39	14 24	5 57
	Female	Mean	19 75	2 99	14 15	4 11
		Std. Deviation	24 46	-4 20	8.03	5 39
	Total	Mean	4 51	2 93	13.83	5 07
		Std. Deviation	12.00	6 87	12.38	5.34
Total	Male	Mean	1.27	6 68	9.16	-8 91
		Std Deviation	16 37	2 43	18.28	-13.72
	Female	Mean	3 99	8 41	6.55	-7.67
		Std Deviation	8 90	-0 74	21 11	-15.60
	Total	Mean	2 18	7 24	7 97	-8 47
		Std Deviation	13 79	1 34	18 78	-14 37

Table A 17 1 Growth Rate of Average Real Wage rates by Age (%) , (continued)

Round III			96	97	98
age 13-14	Male	Mean	6 99	21 82	-18 13
		Std. Deviation	-6.37	7 66	14 07
	Female	Mean	15.56	-13 71	-5 46
		Std Deviation	32.28	-38 14	-25 51
	Total	Mean	10 63	5 80	-12 55
		Std Deviation	20 12	-16 79	-4 26
age 15-19	Male	Mean	-2.35	11 92	-14 65
		Std Deviation	-13.93	17.52	8 84
	Female	Mean	-1.74	13 16	-11 53
		Std Deviation	-27 02	23 17	55.57
	Total	Mean	-1 98	12 48	-13.25
		Std. Deviation	-19 64	19.64	29 91
age 20-24	Male	Mean	-4 18	10 67	-14 05
		Std. Deviation	-15 15	23 43	-19 43
	Female	Mean	5 81	10 55	-16 77
		Std Deviation	8 76	22 17	-32 60
	Total	Mean	0 26	10 68	-15.33
		Std Deviation	-5 36	23 06	-25 87
age 25-49	Male	Mean	-2 93	22 12	-16 33
		Std Deviation	-14 51	46 23	-17 88
	Female	Mean	-4 62	28 21	-21 50
		Std Deviation	-18 94	45 29	-33 99
	Total	Mean	-3 60	24 31	-18 57
		Std Deviation	-16.19	45 56	-23 89
age 50+	Male	Mean	2 84	23 35	-8 39
		Std Deviation	9 58	46 16	-20 15
	Female	Mean	9 79	39.71	-0 98
		Std Deviation	7 01	65 19	-22 57
	Total	Mean	5 96	26 20	-5 99
		Std Deviation	9 46	48 13	-20 64
Total	Male	Mean	-2 00	22 00	-12 90
		Std Deviation	-7 61	45 97	-16 36
	Female	Mean	-1 10	28 05	-17 06
		Std Deviation	-14 34	50 57	-29 39
	Total	Mean	-1 54	24 02	-14 69
		Std Deviation	-9 83	46 83	-20 79

Table A 18 Average Real Wage rates by Education (Baht / hrs)

Round I			95	96	97	98	99
Less than primary	Male	Mean	14 20	12 52	15 05	13 38	13 15
		Std Deviation	9 52	7 93	8 83	6 55	10 05
	Female	Mean	10 33	10 82	11 13	11 00	9 92
		Std Deviation	6 14	6 65	8 07	7 10	6.63
	Total	Mean	12 33	11 69	13 14	12 21	11 41
		Std Deviation	8 30	7 38	8 69	6 93	8 53
Primary	Male	Mean	16 06	16 75	17 72	18 31	16 30
		Std Deviation	11 52	11 20	11 71	17 42	12 40
	Female	Mean	12 06	12 98	13 73	13 74	12 50
		Std Deviation	7 51	10 10	8 88	8 98	7 51
	Total	Mean	14 53	15 36	16 23	16 51	14.82
		Std. Deviation	10 36	10 96	10.91	14 85	10.92
Secondary	Male	Mean	27 84	27 01	26 74	28 09	24.07
		Std Deviation	23 14	25 11	20.19	29 73	20.93
	Female	Mean	20 63	20 52	22 29	21 61	19 95
		Std Deviation	15 82	15 54	18 34	22 52	19 89
	Total	Mean	25 63	24.70	25 17	25.70	22 52
		Std. Deviation	21 43	22.40	19 67	27.47	20.64
Vocational	Male	Mean	39 26	42 20	37 66	44 56	68.00
and short course		Std Deviation	28 19	40 47	27 94	42 02	59 49
	Female	Mean	37 45	32 44	35 42	42 71	31 80
		Std. Deviation	25 12	21 19	23 29	38 54	23.91
	Total	Mean	38 56	38 05	36 66	43 82	36.11
		Std. Deviation	27 06	33.99	26 00	40 68	29.54
University_teacher	Male	Mean	69 74	76 32	77 34	76 11	15.77
		Std Deviation	47 20	64 49	65 49	68 61	7 52
	Female	Mean	58 24	61 35	61 31	60 98	54 79
		Std Deviation	34 62	40 78	36.08	46 48	36 38
	Total	Mean	64 26	68 92	69.40	68.49	61.37
		Std Deviation	42 08	54.58	53.61	59.00	49.70
Others_unknown	Male	Mean	20 95	21.68	25 48	14.71	27.51
		Std. Deviation	15.28	20.86	13.41	8.95	34.19
	Female	Mean	11 97	2.81	73 65	14.53	8.45
		Std. Deviation	4 66	0.38	46.51	2.04	5.04
	Total	Mean	18.51	16.05	31.53	14.60	13 99
		Std. Deviation	13.85	19.50	26.14	5.58	7.67
Total	Male	Mean	25 61	25 93	27 66	30 20	27 51
		Std Deviation	28 11	32 71	33 50	39.63	34.19
	Female	Mean	22 12	23 00	24 94	26 57	24 53
		Std Deviation	24 63	26 83	26 63	32 25	27 22
	Total	Mean	24 26	24 78	26 58	28 70	26.27
		Std Deviation	26 87	30 57	30 98	36 80	31.51

Table A.18 Average Real Wage rates by Education (continued)

Round III			95	96	97	98
Less than primary	Male	Mean	17 52	13 67	15 00	12 68
		Std Deviation	22 36	12 97	7 75	7 04
	Female	Mean	10 79	10 76	11 70	9 83
		Std. Deviation	7 11	5.43	7 44	4 80
	Total	Mean	14.07	12.20	13.32	11 12
		Std Deviation	16.77	10 01	7 77	6.08
Primary	Male	Mean	17 62	17 95	19 78	17 23
		Std Deviation	13 51	11 55	15.73	13 48
	Female	Mean	12 89	13.56	14.69	12.86
		Std Deviation	7.66	8.00	9.44	7 21
	Total	Mean	15.73	16 25	17 71	15.43
		Std. Deviation	11 76	10 53	13.76	11 52
Secondary	Male	Mean	31.47	27 87	29 79	26.20
		Std Deviation	40 49	21 44	26 88	21.65
	Female	Mean	25 76	20 92	24 83	20 57
		Std Deviation	47.58	14 99	29 44	19.53
	Total	Mean	29 45	25 38	27 95	23.99
		Std. Deviation	43.22	19 66	27 97	21.03
Vocational	Male	Mean	41 79	42 27	48 71	36 82
and short course		Std Deviation	32.29	40.31	50.16	29 40
	Female	Mean	35.42	34 66	45 02	34 87
		Std Deviation	22 97	23 45	36 28	25 49
	Total	Mean	39 09	39 16	47 08	36 01
		Std Deviation	28 87	34 65	44 60	27 87
University_teacher	Male	Mean	69 07	73 48	93 82	71 38
		Std Deviation	50 64	54.89	82 33	68 48
	Female	Mean	56 38	58 69	77 02	55 25
		Std. Deviation	34 34	37 98	55.87	36 51
	Total	Mean	62 74	66 12	85 35	63 13
		Std Deviation	43 75	47 81	70 75	55 12
Others_unknown	Male	Mean	30 88	9 32	25 91	63 68
		Std. Deviation	61 40	1 86	6 98	21 17
	Female	Mean	7 79	4 27	29 31	30 01
		Std Deviation	8 95	1 59	5 70	38 69
	Total	Mean	29 34	8 93	27 25	63 68
		Std Deviation	59 64	2 29	6 72	21 17
Total	Male	Mean	28 82	28 24	34 46	30 01
		Std Deviation	34 31	31 70	46 27	38 69
	Female	Mean	24 48	24 21	31 01	25 72
		Std Deviation	30 49	26 12	39 33	27 77
	Total	Mean	27 02	26 60	32 99	28 15
		Std Deviation	32 85	29 62	43 49	34 45

Table A.18 1 Growth Rate of Average Real Wage rates by Education (%)

Round I			96	97	98	99
Less than primary	Male	Mean	-11 80	20 19	-11 10	-1 72
		Std Deviation	-16 74	11 44	-25 82	53 29
	Female	Mean	4 77	2 91	-1 16	-9 82
		Std Deviation	8 32	21 35	-12 04	-6 61
	Total	Mean	-5 20	12 42	-7 08	-6 61
		Std Deviation	-11 07	17 79	-20 29	23 04
Primary	Male	Mean	4 32	5 80	3.33	-11.00
		Std. Deviation	-2 74	4 52	48 78	-28.80
	Female	Mean	7 62	5 80	0 03	-8 98
		Std Deviation	34 49	-12 08	1 14	-16 40
	Total	Mean	5 69	5 64	1 72	-10.25
		Std Deviation	5 79	-0 48	36 12	-26.48
Secondary	Male	Mean	-2 99	-1 01	5.07	-14.34
		Std Deviation	8 52	-19 62	47 27	-29 60
	Female	Mean	-0 53	8.59	-3 05	-7 65
		Std Deviation	-1 77	18 03	22 75	-11.68
	Total	Mean	-3 64	1 90	2 09	-12 34
		Std Deviation	4 52	-12 17	39 61	-24 85
Vocational	Male	Mean	7 49	-10 75	18 32	52 60
and short course		Std Deviation	43 57	-30 96	50 39	41 58
	Female	Mean	-13 39	9 21	20 55	-25 53
		Std. Deviation	-15 67	9 96	65 46	-37.96
	Total	Mean	-1 33	-3 63	19 53	-17 60
		Std Deviation	25 61	-23 52	56 49	-27.40
University_teacher	Male	Mean	9 44	1 33	-1 58	-79 28
		Std Deviation	36 62	1 56	4 76	-89.05
	Female	Mean	5 35	-0 07	-0.54	-10 15
		Std Deviation	17.78	-11 51	28 81	-21 73
	Total	Mean	7 24	0.71	-1 32	-10 40
		Std Deviation	29.72	-1.78	10 05	-15 76
Others_unknown	Male	Mean	3 52	17.51	-42 27	86 97
		Std Deviation	36 52	-35 71	-33.29	282.06
	Female	Mean	-76 56	2525 32	-80 27	-41 82
		Std Deviation	-91 85	12144 73	-95 61	146 61
	Total	Mean	-13 27	96 39	-53 70	-4 15
		Std Deviation	40 72	34 07	-78.64	37 33
Total	Male	Mean	1 27	6.68	9 16	-8 90
		Std Deviation	16.37	2 43	18 28	-13 72
	Female	Mean	3 99	8 41	6 55	-7 67
		Std Deviation	8 90	-0 74	21 11	-15 60
	Total	Mean	2 18	7 24	7 97	-8 47
		Std Deviation	13 79	1 34	18 78	-14 37

Table A 18.1 : Growth Rate of Average Real Wage rates by Education (continued)

Round III			96	97	98
Less than primary	Male	Mean	-21 95	9 68	-15 47
		Std Deviation	-42 01	-40.23	-9 23
	Female	Mean	-0 24	8 69	-15.94
		Std Deviation	-23.63	37 03	-35 46
	Total	Mean	-13.28	9 19	-16 52
		Std. Deviation	-40.30	-22 38	-21 68
Primary	Male	Mean	1.83	10.22	-12 91
		Std Deviation	-14 56	36 28	-14.35
	Female	Mean	5 27	8 29	-12.42
		Std Deviation	4.47	18 03	-23 69
	Total	Mean	3 30	8.99	-12 88
		Std Deviation	-10 45	30.62	-16 28
Secondary	Male	Mean	-11 44	6.91	-12 08
		Std Deviation	-47 05	25.38	-19 47
	Female	Mean	-18.79	18 71	-17 18
		Std. Deviation	-68 50	96 45	-33.65
	Total	Mean	-13 80	10 09	-14 14
		Std Deviation	-54.50	42.22	-24 82
Vocational	Male	Mean	1 13	15 25	-24.41
and short course		Std. Deviation	24 86	24 43	-41 40
	Female	Mean	-2 15	29 89	-22 55
		Std Deviation	2 11	54.70	-29 75
	Total	Mean	0 19	20.21	-23.50
		Std Deviation	19 99	28 72	-37.51
University_teacher	Male	Mean	6 39	27 68	-23 92
		Std Deviation	8 38	50 01	-16 82
	Female	Mean	4 09	31 23	-28 26
		Std Deviation	10 59	47.10	-34.64
	Total	Mean	5 38	29 08	-26 03
		Std Deviation	9 28	47.98	-22 09
Others_unknown	Male	Mean	-69 81	177 95	145 78
		Std Deviation	-96 97	275 18	203 13
	Female	Mean	-45 24	586 96	2 39
		Std Deviation	-82 19	257 16	579 33
	Total	Mean	-69 56	205 13	133 72
		Std Deviation	-96 17	193 87	215 27
Total	Male	Mean	-2 00	22 00	-12 91
		Std Deviation	-7 61	45 97	-16 37
	Female	Mean	-1 10	28 05	-17 06
		Std Deviation	-14 34	50 57	-29 39
	Total	Mean	-1 54	24 02	-14 69
		Std Deviation	-9 83	46 83	-20 79

Table A 19 Average Real Wage rates by Marital Status (Baht / hrs)

Round I			95	96	97	98	99
Single	Male	Mean	19 43	19 99	21 96	24 39	21 61
		Std Deviation	16 93	21 89	24 59	29 33	22 16
	Female	Mean	22 46	23 39	25 84	26 64	24 85
		Std Deviation	23 15	26 84	25 46	28 72	23 92
	Total	Mean	20 67	21 40	23 57	25 38	23 01
		Std Deviation	19 77	24 11	25 03	29 08	23 00
Married	Male	Mean	28 76	28 58	30 42	33 04	30 32
		Std Deviation	31 44	34 60	36 47	43 43	38 20
	Female	Mean	22 59	23 34	25 18	26.81	25.04
		Std Deviation	25 57	26 34	27 55	34 24	28 84
	Total	Mean	26 61	26 68	28 50	30.69	28 30
		Std Deviation	29 67	31 95	33 58	40.32	35 02
Unmarried	Male	Mean	23 83	29 14	24 81	24 25	22 78
		Std Deviation	36 07	63 05	34 80	29 53	25.55
	Female	Mean	19 69	19 68	20 78	25 39	21 02
		Std Deviation	25 14	30 70	24 36	31 51	27.09
	Total	Mean	20 89	23 10	22 12	25 04	21.51
		Std Deviation	28 79	45 39	28 33	30 93	26 69
Total	Male	Mean	25 70	26 01	27 73	30 26	27 58
		Std Deviation	28 15	32 77	33 54	39 67	34 24
	Female	Mean	22 29	23 08	25 00	26.64	24 60
		Std Deviation	24 73	26 87	26.65	32 29	27 25
	Total	Mean	24 38	24.87	26 64	28 76	26 34
		Std Deviation	26 93	30 63	31 02	36 84	31.55

Round III			95	96	97	98
Single	Male	Mean	21 26	21 49	25 93	22 23
		Std Deviation	20 25	23 04	39 18	23.60
	Female	Mean	24 38	24 04	31 17	25.21
		Std Deviation	23 66	22.68	38 80	25 29
	Total	Mean	22 64	22 58	28 23	23.59
		Std Deviation	21 88	22 92	39.10	24 43
Married	Male	Mean	32 63	31.56	38.83	33.65
		Std. Deviation	38 65	34 25	48.99	43.28
	Female	Mean	25 40	24 85	32.24	26.56
		Std Deviation	35.08	27 03	40.63	29.16
	Total	Mean	29 94	29 06	36 25	30.85
		Std Deviation	37 52	31 91	46.01	38.47
Unmarried	Male	Mean	24 58	25 79	31.08	27.64
		Std Deviation	35 07	39 02	42.55	40 86
	Female	Mean	20 52	21 65	23.90	22.82
		Std. Deviation	22 91	32 36	32.25	27.25
	Total	Mean	21 62	22 99	26 04	24 06
		Std. Deviation	26 82	34 70	35 79	31 39
Total	Male	Mean	28 93	28 31	34 54	30 07
		Std Deviation	34 37	31 73	46 33	38.73
	Female	Mean	24 58	24 31	31 10	25.76
		Std Deviation	30 56	26 17	39 38	27 79
	Total	Mean	27 13	26 68	33 08	28 20
		Std Deviation	32 91	29 66	43 55	34 48

Note Unmarried contains widow, divorced and separated

Table A.19 1 Growth Rate of average Real Wage rates by Marital Status (%)

Round I			96	97	98	99
Single	Male	Mean	2.91	9 82	11 07	-11 42
		Std Deviation	29.32	12 32	19.29	-24 43
	Female	Mean	4 16	10 44	3 11	-6 72
		Std Deviation	15 94	-5 14	12 80	-16 69
	Total	Mean	3 52	10 16	7 69	-9 34
		Std Deviation	21 98	3 79	16 21	-20 91
Married	Male	Mean	-0.61	6 42	8.64	-8 26
		Std Deviation	10.05	5 41	19.07	-12 03
	Female	Mean	3 33	7 87	6.48	-6 58
		Std Deviation	3 01	4 59	24 29	-15 78
	Total	Mean	0 26	6.83	7.68	-7 77
		Std Deviation	7.66	5 10	20 07	-13 14
Unmarried	Male	Mean	22.25	-14 83	-2 26	-6 07
		Std. Deviation	74.78	-44 80	-15.14	-13 48
	Female	Mean	-0.07	5 60	22 17	-17 21
		Std Deviation	22.13	-20 65	29 34	-14.01
	Total	Mean	10 58	-4 23	13 20	-14 11
		Std Deviation	57 64	-37 58	9.16	-13.71
Total	Male	Mean	1 23	6 58	9 15	-8 86
		Std Deviation	16.40	2 37	18 26	-13.68
	Female	Mean	3 55	8 30	6 55	-7 65
		Std Deviation	8 68	-0 83	21.14	-15 61
	Total	Mean	1 98	7 14	7.96	-8 43
		Std Deviation	13 73	1.27	18 78	-14 36

Round III			96	97	98
Single	Male	Mean	1 06	20 66	-14 25
		Std Deviation	13.79	70 07	-39 78
	Female	Mean	-1 38	29 66	-19 11
		Std Deviation	-4 11	71 05	-34 82
	Total	Mean	-0.25	25 00	-16 43
		Std Deviation	4 78	70 59	-37 53
Married	Male	Mean	-3 28	23 03	-13 33
		Std Deviation	-11 38	43 03	-11 65
	Female	Mean	-2 19	29 73	-17.60
		Std Deviation	-22 95	50 34	-28 23
	Total	Mean	-2.93	24.75	-14 91
		Std Deviation	-14 94	44 18	-16 38
Unmarried	Male	Mean	4 93	20 49	-11 07
		Std Deviation	11 28	9 03	-3 97
	Female	Mean	5 53	10 37	-4 49
		Std Deviation	41 27	-0 34	-15 51
	Total	Mean	6 32	13 31	-7 61
		Std Deviation	29 40	3 15	-12 30
Total	Male	Mean	-2 14	22 01	-12 93
		Std Deviation	-7 67	46 00	-16 39
	Female	Mean	-1 13	27 94	-17 15
		Std Deviation	-14 36	50 47	-29 43
	Total	Mean	-1 64	23 97	-14 74
		Std Deviation	-9 87	46 81	-20 82

Note Unmarried contains widow, divorced and separated

Table A 20 Average Real Wage Rates by Migration Status (Baht / hrs)

Round I			95	96	97	98	99
Migrant	Male	Mean	22 12	23 10	23 95	24 59	21 81
		Std Deviation	22 25	28 75	23 73	25 34	20 60
	Female	Mean	18 88	19 35	20 38	21 62	18 97
		Std Deviation	18 28	16 98	17 51	22 43	16.02
	Total	Mean	20 85	21 66	22 62	23 46	20.71
		Std Deviation	20 86	24 96	21 68	24 31	19.01
Nonmigrant	Male	Mean	26 69	26 92	28 69	32 05	29.35
		Std Deviation	29 61	33 93	35 67	43 17	37.37
	Female	Mean	23 14	24 23	26 05	27 96	26 06
		Std Deviation	26 24	29 30	28 30	34 37	29 38
	Total	Mean	25 32	25 86	27 62	30 32	27 95
		Std Deviation	28 40	32 21	32 92	39 74	34 23
Total	Male	Mean	25.61	25 93	27 66	30.20	27 51
		Std Deviation	28 11	32 71	33 50	39 63	34 19
	Female	Mean	22 12	23 00	24 94	26 57	24 53
		Std Deviation	24 63	26 83	26.63	32 25	27 22
	Total	Mean	24 26	24 78	26 58	28 70	26.27
		Std Deviation	26 87	30 57	30 98	36 80	31.51

Round III			95	96	97	98
Migrant	Male	Mean	25.31	24 08	28.19	24 00
		Std Deviation	28 43	23 95	33 01	25 02
	Female	Mean	19 79	20 67	23 48	20 17
		Std Deviation	17 20	18 41	24 04	19.33
	Total	Mean	23 16	22 76	26 29	22.41
		Std Deviation	24 83	22 03	29 81	22.90
Nonmigrant	Male	Mean	30 03	29 59	36 11	31.89
		Std Deviation	36 04	33 71	49.04	41.89
	Female	Mean	25 89	25 24	32.79	27 30
		Std Deviation	33 33	27 88	41 95	29 55
	Total	Mean	28.28	27 79	34 68	29 87
		Std. Deviation	34 98	31 51	46 16	37.05
Total	Male	Mean	28 82	28 24	34.46	30.01
		Std. Deviation	34 31	31 70	46 27	38 69
	Female	Mean	24 48	24 21	31 01	25 72
		Std Deviation	30 49	26 12	39 33	27 77
	Total	Mean	27 02	26 60	32.99	28.15
		Std Deviation	32 85	29 62	43 49	34 45

Table A.20.1 : Growth Rate of Average Real Wage rates by Migration Status (%)

Round I			96	97	98	99
Migrant	Male	Mean	4 46	3 67	2 68	-11.33
		Std. Deviation	29 17	-17 44	6 79	-18 73
	Female	Mean	2.49	5 34	6 07	-12 27
		Std Deviation	-7 07	3 08	28 10	-28 59
	Total	Mean	3 87	4.41	3 71	-11 70
		Std. Deviation	19 69	-13 13	12 12	-21.80
Nonmigrant	Male	Mean	0 87	6.56	11 72	-8 43
		Std. Deviation	14 60	5 11	21.04	-13 45
	Female	Mean	4.71	7 51	7 33	-6 78
		Std Deviation	11 67	-3 41	21 46	-14.53
	Total	Mean	2 15	6 81	9 76	-7 81
		Std Deviation	13 40	2 19	20 73	-13 85
Total	Male	Mean	1 27	6 68	9 16	-8 91
		Std Deviation	16 37	2 43	18.28	-13 72
	Female	Mean	3 99	8 41	6.55	-7 67
		Std Deviation	8 90	-0.74	21.11	-15 60
	Total	Mean	2 18	7.24	7 97	-8 47
		Std Deviation	13 79	1 34	18 78	-14 37

Round III			96	97	98
Migrant	Male	Mean	-4 83	17 07	-14 86
		Std Deviation	-15 76	37 81	-24 18
	Female	Mean	4 48	13 56	-14 08
		Std Deviation	7 04	30 59	-19 59
	Total	Mean	-1 74	15 51	-14 77
		Std. Deviation	-11 27	35 30	-23 16
Nonmigrant	Male	Mean	-1 49	22 05	-11 69
		Std Deviation	-6 46	45 48	-14 58
	Female	Mean	-2.48	29 90	-16 75
		Std Deviation	-16 34	50.45	-29 56
	Total	Mean	-1 71	24 79	-13 87
		Std Deviation	-9 92	46 49	-19 72
Total	Male	Mean	-2 00	22 00	-12.90
		Std Deviation	-7 61	45 97	-16 36
	Female	Mean	-1 10	28 05	-17 06
		Std Deviation	-14 34	50 57	-29 39
	Total	Mean	-1 54	24 02	-14 69
		Std Deviation	-9 83	46 83	-20 79

Table A 21 Average Real Wage Rates by Region (Baht / hrs)

Round I			95	96	97	98	99
North	Male	Mean	20 47	20 76	21 93	23 54	20 82
		Std Deviation	23 65	21 91	22 93	26 91	23.29
	Female	Mean	16 95	18 52	19 67	20 36	19.58
		Std Deviation	21 05	22 09	22 12	24 49	22.48
	Total	Mean	19 17	19 93	21 07	22 28	20 35
		Std Deviation	22 79	22 00	22 65	26 03	22.99
Northeast	Male	Mean	20 08	19 81	20 68	19 60	21 04
		Std Deviation	21 41	20 79	20 04	18 82	21 60
	Female	Mean	18 69	18 73	18 89	18 91	20 30
		Std Deviation	22 08	21 58	20 28	20.74	21 42
	Total	Mean	19 63	19 45	20 11	19 36	20 78
		Std Deviation	21 64	21 06	20 14	19.52	21 55
South	Male	Mean	26 04	24 93	26 89	27 57	24 14
		Std Deviation	23 26	25 78	25 07	27 67	21.43
	Female	Mean	24 41	24 15	25 19	24 78	22 19
		Std Deviation	23 26	24 09	24 32	24 01	23 88
	Total	Mean	25 45	24 65	26.26	26.55	23.33
		Std Deviation	23 27	25 18	24 81	26 43	22.50
Central	Male	Mean	26 41	26 93	27 41	28 28	25.80
		Std Deviation	27 50	30 62	27 22	31 46	27.63
	Female	Mean	22 43	22 48	23 27	24 46	21.58
		Std Deviation	22 38	24 10	22 70	28 10	20.37
	Total	Mean	24 68	25 00	25 60	26.62	23.90
		Std Deviation	25 48	28 06	25 42	30 10	24 71
Bangkok	Male	Mean	39 04	40 83	46 60	55 69	46.97
and Metropolis		Std Deviation	39 06	53 66	58 03	67 03	56.73
	Female	Mean	28 70	31 12	36.43	40.16	36.13
		Std Deviation	31 29	36 15	35.37	44.90	38.21
	Total	Mean	34.58	36 48	41 81	48 16	41 84
		Std Deviation	36 28	46 87	48.95	57.91	49 15
Total	Male	Mean	25 61	25 93	27.66	30 20	27.51
		Std Deviation	28 11	32 71	33.50	39.63	34 19
	Female	Mean	22 12	23 00	24.94	26.57	24.53
		Std Deviation	24 63	26.83	26 63	32 25	27 22
	Total	Mean	24 26	24 78	26 58	28.70	26 27
		Std Deviation	26 87	30 57	30 98	36.80	31 51

Table A 21 : Average Real Wage Rates by Region (continued)

Round III			95	96	97	98
North	Male	Mean	21 90	22.43	27.99	50 40
		Std. Deviation	22 19	23 25	33 95	65 37
	Female	Mean	17 99	18 61	24 48	37 66
		Std Deviation	21.56	20 49	31 70	39.07
	Total	Mean	20 30	20 82	26 54	44 24
		Std. Deviation	22.02	22 21	33 08	54.65
Northeast	Male	Mean	24.48	23 91	26 86	26 69
		Std Deviation	26 04	25 49	31 38	26.03
	Female	Mean	21 09	22 61	24.45	22 69
		Std. Deviation	22 70	23 01	28.88	20 28
	Total	Mean	23.14	23 45	25 96	24 93
		Std Deviation	24.83	24 65	30 49	23 76
South	Male	Mean	26 02	23 98	28 37	23.17
		Std. Deviation	25.03	23.15	30 94	26 26
	Female	Mean	25.39	23 62	27 27	19 74
		Std Deviation	22 60	22 30	27 42	21 72
	Total	Mean	25 79	23 86	27.97	21 70
		Std Deviation	24 20	22 86	29 72	24 47
Central	Male	Mean	27 09	28 67	30 56	22 48
		Std Deviation	29 42	33 07	34 92	23 50
	Female	Mean	22 67	23 43	26 55	20 92
		Std Deviation	22 22	24 46	31 58	22 21
	Total	Mean	25 18	26 42	28 80	21 86
		Std Deviation	26 64	29 79	33 55	23.01
Bangkok	Male	Mean	44 43	40 57	56 67	25 25
and Metropolis		Std. Deviation	53 43	42 13	74 28	23 58
	Female	Mean	34 98	31 81	46 31	23 26
		Std Deviation	48 04	33 85	54 62	21 54
	Total	Mean	40 21	36 70	51 68	24 50
		Std Deviation	51 30	38 94	65 75	22 86
Total	Male	Mean	28 82	28 24	34 46	30 01
		Std Deviation	34 31	31 70	46 27	38 69
	Female	Mean	24 48	24 21	31 01	25 72
		Std Deviation	30 49	26 12	39 33	27 77
	Total	Mean	27 02	26 60	32 99	28 15
		Std Deviation	32 85	29 62	43 49	34 45

Table A 21 1 . Growth rate of Average Real Wage Rates by Region (%)

Round I			96	97	98	99
North	Male	Mean	1 44	5 63	7 36	-11 56
		Std Deviation	-7 36	4 65	17 38	-13 47
	Female	Mean	9 27	6 20	3 51	-3 82
		Std Deviation	4.92	0 16	10 71	-8 22
	Total	Mean	3 95	5 73	5 75	-8.69
		Std. Deviation	-3 45	2 95	14 90	-11 68
Northeast	Male	Mean	-1 34	4 38	-5 20	7 31
		Std Deviation	-2 91	-3 59	-6 12	14 82
	Female	Mean	0 19	0 86	0 11	7 34
		Std Deviation	-2 29	-6 00	2 27	3 28
	Total	Mean	-0 88	3.36	-3 73	7 37
		Std Deviation	-2 71	-4 37	-3 04	10 35
South	Male	Mean	-4 25	7 88	2 53	-12.46
		Std Deviation	10 85	-2 76	10.37	-22.56
	Female	Mean	-1 08	4 31	-1 65	-10 43
		Std Deviation	3 56	0.96	-1 26	-0 55
	Total	Mean	-3 14	6 55	1 11	-12 13
		Std Deviation	8 22	-1 50	6 53	-14 87
Central	Male	Mean	1 99	1 77	3 18	-8 77
		Std Deviation	11 33	-11 12	15 61	-12 17
	Female	Mean	0 21	3 52	5.10	-11 74
		Std Deviation	7 67	-5 81	23.77	-27 51
	Total	Mean	1 30	2.40	3 98	-10 22
		Std Deviation	10 14	-9 41	18.41	-17 93
Bangkok	Male	Mean	4 59	14 11	19.51	-15 65
and Metropolis		Std. Deviation	37 37	8.14	15 52	-15 38
	Female	Mean	8 42	17 07	10 22	-10 03
		Std Deviation	15 54	-2 16	26.94	-14 89
	Total	Mean	5 48	14 62	15.20	-13 12
		Std Deviation	29.21	4 43	18 31	-15 13
Total	Male	Mean	1.27	6.68	9 16	-8.91
		Std. Deviation	16 37	2 43	18 28	-13 72
	Female	Mean	3 99	8 41	6 55	-7 67
		Std. Deviation	8 90	-0 74	21 11	-15 60
	Total	Mean	2 18	7 24	7 97	-8 47
		Std Deviation	13 79	1 34	18 78	-14 37

Table A.21.1 . Growth Rate of Average Real Wage rates by Region (continued)

Round III			96	97	98
North	Male	Mean	2 43	24 79	80.04
		Std. Deviation	4 75	46.06	92 54
	Female	Mean	3 43	31 56	53 86
		Std Deviation	-4 97	54.69	23.26
	Total	Mean	2.54	27 48	66 70
		Std Deviation	0 84	48 98	65 17
Northeast	Male	Mean	-2 31	12.33	-0 63
		Std Deviation	-2.09	23 11	-17.06
	Female	Mean	7.20	8 12	-7.19
		Std Deviation	1 40	25.50	-29 76
	Total	Mean	1 34	10 68	-3.94
		Std. Deviation	-0 70	23 68	-22.08
South	Male	Mean	-7 82	18.28	-18.31
		Std Deviation	-7.52	33 61	-15 12
	Female	Mean	-6 97	15 47	-27 62
		Std Deviation	-1 34	22 96	-20 79
	Total	Mean	-7 52	17 26	-22 44
		Std Deviation	-5 54	30 04	-17 69
Central	Male	Mean	5 86	6 57	-26 42
		Std. Deviation	12 43	5 58	-32.69
	Female	Mean	3 35	13 32	-21 22
		Std Deviation	10 05	29 10	-29 66
	Total	Mean	4 93	8 99	-24 10
		Std Deviation	11 84	12 60	-31 43
Bangkok and Metropolis	Male	Mean	-8 68	39 68	-55 45
		Std Deviation	-21 14	76 31	-68 25
	Female	Mean	-9 07	45 59	-49 77
		Std Deviation	-29 52	61 33	-60 55
	Total	Mean	-8 72	40 81	-52 59
		Std Deviation	-24 10	68.86	-65 23
Total	Male	Mean	-2 00	22 00	-12 90
		Std Deviation	-7 61	45 97	-16 36
	Female	Mean	-1 10	28 05	-17 06
		Std Deviation	-14 34	50 57	-29 39
	Total	Mean	-1 54	24 02	-14 69
		Std Deviation	-9 83	46 83	-20 79

Table A 22 Average Hours Worked by Age (hrs / week)

Round I			95	96	97	98	99
age 13-14	Male	Mean	44 81	40 54	37 97	38 65	37 80
		Std Deviation	18 17	20 61	21 48	22 21	21.78
	Female	Mean	46 52	40 54	38.96	32.01	32 52
		Std Deviation	18 92	21 01	21 20	24 42	23 27
	Total	Mean	45 73	40 54	38 38	35 64	35 41
		Std Deviation	18 59	20.80	21 37	23 47	22 62
age 15-19	Male	Mean	49 74	50 57	49 59	44 37	45 62
		Std Deviation	14 29	14 80	14 69	17 83	17 80
	Female	Mean	51 22	49 54	48 84	44 33	44 64
		Std Deviation	14 41	15 71	15 70	18 98	19.56
	Total	Mean	50.45	50 09	49 27	44 35	45.19
		Std Deviation	14 37	15 24	15 14	18 34	18 60
age 20-24	Male	Mean	51 33	52 82	52 35	48 47	49.56
		Std. Deviation	12 54	12 72	12 57	15 18	14 40
	Female	Mean	50 81	50 63	50 28	46 85	49 00
		Std Deviation	12.89	13 51	13 40	15.24	14 18
	Total	Mean	51 10	51 86	51 43	47 75	49.31
		Std Deviation	12 70	13 12	12 98	15.23	14 31
age 25-49	Male	Mean	52 34	53 04	52 73	50 04	51.41
		Std Deviation	13 12	13 60	13 44	15.31	14 45
	Female	Mean	50 35	50 51	50.42	47 28	49.28
		Std. Deviation	14 18	14.50	14 09	16 33	14.99
	Total	Mean	51 49	51 95	51 72	48.84	50 48
		Std. Deviation	13.62	14 05	13 78	15.82	14 72
age 50+	Male	Mean	51 12	50 35	51 32	49.72	49.83
		Std. Deviation	14 81	15.20	15 00	16 42	15.77
	Female	Mean	48 45	48 63	48.34	46 78	47.40
		Std. Deviation	16 22	16 32	16 73	17 38	16.76
	Total	Mean	50 12	49 70	50 18	48 59	48.88
		Std Deviation	15.41	15 65	15 75	16.85	16.21
Total	Male	Mean	51 76	52 28	52.14	49 43	50 53
		Std. Deviation	13 52	14 00	13.84	15.77	15.03
	Female	Mean	50 17	50 10	49 92	46.90	48 60
		Std Deviation	14.43	14 84	14 64	16.63	15 61
	Total	Mean	51 09	51 35	51 19	48.35	49 70
		Std Deviation	13 94	14 41	14 23	16 19	15 31

Table A.22 .Average Hours Worked by Age (continued)

Round III			95	96	97	98
age 13-14	Male	Mean	38 20	39 96	36 14	30 58
		Std. Deviation	21 91	18 16	21 03	20 62
	Female	Mean	40 64	39.77	34.81	26 32
		Std. Deviation	21.31	19.50	19 86	21 47
	Total	Mean	39 32	39 87	35 51	28.67
		Std. Deviation	21 67	18 78	20 49	21 11
age 15-19	Male	Mean	50 44	51.07	48.25	46 81
		Std. Deviation	15.88	14 66	16 19	18 13
	Female	Mean	49 64	48 93	47 47	46 39
		Std Deviation	15 68	15 06	16 14	18.26
	Total	Mean	50 05	50 07	47.89	46 62
		Std Deviation	15 79	14 89	16.17	18 19
age 20-24	Male	Mean	53 70	52.44	51 95	52 12
		Std Deviation	12.49	12 66	13.45	13 81
	Female	Mean	51 25	50 51	48.90	50 17
		Std Deviation	12 35	12.21	13 86	13 47
	Total	Mean	52.58	51 56	50 55	51 23
		Std Deviation	12 49	12 49	13.72	13.69
age 25-49	Male	Mean	53.97	53 25	51 32	52.74
		Std Deviation	13 14	13 13	14 66	14.23
	Female	Mean	51 80	50 72	49 62	50 56
		Std Deviation	13 46	13 32	14.66	14 33
	Total	Mean	52 97	52 10	50 54	51 74
		Std Deviation	13 33	13 28	14.68	14 32
age 50+	Male	Mean	51 94	50 79	50.84	51 10
		Std Deviation	14 73	14 85	15 91	15 63
	Female	Mean	49 52	48 45	48 54	49.12
		Std Deviation	15 22	15 38	16 18	16 07
	Total	Mean	50 91	49 81	49 87	50 27
		Std Deviation	14 99	15 12	16 06	15 85
Total	Male	Mean	53 15	52 47	51 02	51 84
		Std Deviation	13 81	13 61	14 96	14 94
	Female	Mean	51 06	50 13	49 10	49.87
		Std Deviation	13 98	13 76	15 01	15 00
	Total	Mean	52 20	51 41	50 15	50 95
		Std Deviation	13 92	13 73	15 02	15 00

Table A 22 1 Growth Rate of Average Hours Worked by Age (%)

Round I			96	97	98	99
age 13-14	Male	Mean	-9 53	-6 34	1 80	-2 20
		Std Deviation	13 42	4 20	3 40	-1 93
	Female	Mean	-12 85	-3 90	-17 82	1 58
		Std Deviation	11 07	0 91	15 20	-4 70
	Total	Mean	-11 34	-5 32	-7 15	-0 63
		Std Deviation	11 85	2 73	9 86	-3 63
age 15-19	Male	Mean	1 67	-1 94	-10 53	2 82
		Std Deviation	3 57	-0 71	21 36	-0 16
	Female	Mean	-3 27	-1 42	-9 23	0 69
		Std Deviation	8 95	-0 01	20 84	3 10
	Total	Mean	-0 72	-1 65	-9 98	1 88
		Std. Deviation	6.05	-0 62	21 09	1 45
age 20-24	Male	Mean	2 91	-0 89	-7 41	2 26
		Std Deviation	1 41	-1 16	20 79	-5 13
	Female	Mean	-0 36	-0 70	-6 82	4 59
		Std Deviation	4 80	-0 85	13 77	-6 95
	Total	Mean	1 48	-0 82	-7 17	3 28
		Std Deviation	3 28	-1 03	17 31	-6 05
age 25-49	Male	Mean	1 35	-0 60	-5 10	2.74
		Std Deviation	3 65	-1 19	13 88	-5.59
	Female	Mean	0 32	-0 18	-6 24	4 24
		Std Deviation	2 26	-2 81	15.86	-8 23
	Total	Mean	0 89	-0.43	-5 57	3 35
		Std Deviation	3 20	-1 98	14 82	-6 90
age 50+	Male	Mean	-1.51	1 92	-3 11	0 23
		Std Deviation	2 62	-1 32	9 49	-3.97
	Female	Mean	0 36	-0 59	-3 24	1.32
		Std Deviation	0.60	2 51	3 88	-3.56
	Total	Mean	-0.84	0 97	-3 16	0.60
		Std Deviation	1 59	0 61	7 02	-3 85
Total	Male	Mean	1 00	-0 27	-5 21	2.23
		Std Deviation	3 53	-1 14	13.95	-4 71
	Female	Mean	-0.13	-0 37	-6 05	3 64
		Std Deviation	2 86	-1 34	13 58	-6 13
	Total	Mean	0 52	-0 31	-5 56	2.80
		Std Deviation	3 37	-1 21	13 78	-5.44

Table A.22 1 ·Growth Rate of Average Hours Worked by age (continued)

Round III			96	· 97	98
age 13-14	Male	Mean	4 60	-9 55	-15 39
		Std Deviation	-17 13	15 80	-1 96
	Female	Mean	-2 13	-12.48	-24 39
		Std. Deviation	-8.47	1 83	8 12
	Total	Mean	1.40	-10.94	-19.25
		Std Deviation	-13.35	9.15	3 00
age 15-19	Male	Mean	1 26	-5 53	-2 99
		Std. Deviation	-7 65	10 42	11 96
	Female	Mean	-1.44	-2 98	-2 28
		Std. Deviation	-3.98	7.17	13 16
	Total	Mean	0 03	-4 36	-2 64
		Std. Deviation	-5 71	8 62	12 47
age 20-24	Male	Mean	-2 35	-0 93	0 33
		Std. Deviation	1.35	6.23	2.69
	Female	Mean	-1 44	-3 18	2 59
		Std Deviation	-1 21	13 53	-2 78
	Total	Mean	-1 94	-1 96	1 34
		Std Deviation	0 02	9 84	-0 22
age 25-49	Male	Mean	-1 34	-3 62	2 76
		Std Deviation	-0 08	11 66	-2 95
	Female	Mean	-2 08	-2 16	1 90
		Std Deviation	-0 99	10 02	-2 21
	Total	Mean	-1 66	-2 99	2 38
		Std Deviation	-0 40	10 59	-2 50
age 50+	Male	Mean	-2 21	0 10	0 51
		Std Deviation	0 83	7 18	-1 76
	Female	Mean	-2 15	0 17	1 20
		Std Deviation	1 08	5 15	-0 66
	Total	Mean	-2 16	0 12	0 80
		Std Deviation	0 89	6 26	-1 35
Total	Male	Mean	-1 29	-2 75	1 60
		Std Deviation	-1 43	9 95	-0 14
	Female	Mean	-1 83	-2 05	1 57
		Std Deviation	-1 55	9 11	-0 06
	Total	Mean	-1 51	-2 46	1 60
		Std Deviation	-1 41	9 40	-0 10

Table A 23 Average Hours Worked by education (hrs /week)

Round I			95	96	97	98	99
Less than primary	Male	Mean	51 12	50 47	51 50	48 70	48 71
		Std Deviat.on	14 48	15 58	14 03	17 15	16 18
	Female	Mean	49 18	48 95	49 02	46 26	47 63
		Std Deviation	15 38	16 16	15 70	17 66	16 82
	Total	Mean	50 10	49 67	50 17	47 44	48.12
		Std Deviation	14 99	15 91	15 00	17.46	16 54
Primary	Male	Mean	53.17	53 62	53 46	51 19	52.02
		Std Deviation	13 30	13 65	13 63	15 41	14.91
	Female	Mean	51 18	51 27	51 01	48 18	49.72
		Std Deviation	14 56	14 87	14 75	17.11	15 91
	Total	Mean	52 32	52 62	52 42	49 91	51.04
		Std Deviation	13.89	14 23	14 16	16 23	15.38
Secondary	Male	Mean	50 06	51 24	51 38	47 71	49 76
		Std. Deviation	13 54	14 29	14.29	16 70	15 33
	Female	Mean	51 12	50 63	50 70	46.96	48 88
		Std Deviation	14 23	14 69	14 66	16.34	15 93
	Total	Mean	50 41	51.02	51 14	47.44	49 44
		Std Deviation	13 78	14 44	14 43	16.57	15 56
Vocational	Male	Mean	47 83	47 85	49.31	45.27	47 53
and Short course		Std Deviation	12 43	13 78	14 18	15.98	15 83
	Female	Mean	47 80	47 13	46 93	44.05	47 22
		Std Deviation	11 98	13 69	12 74	15.92	13 88
	Total	Mean	47 82	47 54	48.36	44.78	47 41
		Std Deviation	12 26	13 75	13 67	15.97	15 11
University_teacher	Male	Mean	43.51	44 31	43 65	41.75	43 74
		Std Deviation	11 14	12.02	10.82	12.02	11.69
	Female	Mean	42 43	42.13	42.88	40 41	43 00
		Std. Deviation	10 10	10.45	10.67	11 00	11 10
	Total	Mean	43 00	43.27	43 28	41.10	43 38
		Std. Deviation	10 68	11 35	10.76	11 56	11 41
Others_unknown	Male	Mean	60 00	51 13	47.54	41 23	52 24
		Std Deviation	18 21	15.99	14 94	23 85	8.84
	Female	Mean	49 64	61 38	63 67	55 56	61.23
		Std Deviation	18 37	14.48	20 93	6 18	17.69
	Total	Mean	59 37	53 79	50.84	47 12	54.24
		Std. Deviation	18 38	16 24	17.60	20 01	12.01
Total	Male	Mean	51 76	52 28	52.14	49 43	50 53
		Std Deviation	13 52	14.00	13 84	15 77	15.03
	Female	Mean	50 17	50 10	49 92	46 90	48.60
		Std Deviation	14 43	14 84	14 64	16 63	15.61
	Total	Mean	51 09	51 35	51.19	48 35	49.70
		Std Deviation	13 94	14 41	14 23	16 19	15 31

Table A 23 . Average Hours Worked by education (continued)

Round III			95	96	97	98
Less than primary	Male	Mean	51 4	51 3	50 9	50 9
		Std. Deviation	14 3	13 9	15 0	15 7
	Female	Mean	50 3	49 8	49 4	48 3
		Std. Deviation	15 0	14 5	15 8	16 3
	Total	Mean	50 8	50 5	50 0	49 4
		Std Deviation	14 7	14.3	15 4	16 1
Primary	Male	Mean	54 9	53.9	53 2	53 7
		Std. Deviation	13.4	13 4	14 1	14 8
	Female	Mean	52.4	51.2	51.1	51 7
		Std Deviation	13 7	13.7	14 2	15 0
	Total	Mean	53 8	52 7	52 2	52.8
		Std Deviation	13 6	13 6	14 2	14 9
Secondary	Male	Mean	50 7	51 2	49 0	50 0
		Std. Deviation	14 7	14 1	15 2	15 2
	Female	Mean	49 4	49 7	47 6	48 4
		Std. Deviation	14 9	14 2	15 5	15.2
	Total	Mean	50.2	50.7	48.5	49 4
		Std Deviation	14.8	14 2	15.4	15 2
Vocational	Male	Mean	48 0	47 8	45 5	47 7
and Short course		Std Deviation	12 8	12 7	16 1	14 5
	Female	Mean	46 6	47 4	42 3	46 8
		Std Deviation	13 7	12 7	15 0	15 0
	Total	Mean	47 4	47 7	44 2	47 3
		Std Deviation	13 2	12 7	15 7	14 7
University_teacher	Male	Mean	43 8	43 8	38.5	43 6
		Std Deviation	10 7	10 6	13 8	11 4
	Female	Mean	42 5	42 4	36 7	42 0
		Std Deviation	9 8	10 0	13 4	10 3
	Total	Mean	43 2	43 2	37 6	42 8
		Std Deviation	10 3	10 3	13 6	10 9
Others_unknown	Male	Mean	49 0	48 7	48 7	46 5
		Std Deviation	12 3	15 0	10 8	12 6
	Female	Mean	64 5	56 7	48 1	42 6
		Std Deviation	17 5	7 1	10 4	4 9
	Total	Mean	51 6	50 5	48 6	45 5
		Std Deviation	14 5	14 0	10 7	11 2
Total	Male	Mean	53 1	52 5	51 0	51 8
		Std Deviation	13 8	13 6	15 0	14 9
	Female	Mean	51 1	50 1	49 1	49 9
		Std Deviation	14 0	13 8	15 0	15 0
	Total	Mean	52 2	51 4	50 2	51 0
		Std Deviation	13 9	13 7	15 0	15 0

Table A 23 1 Growth Rate of Average Hours Worked by Education (%)

Round I			96	97	98	99
Less than primary	Male	Mean	-1 27	2 04	-5 45	0 03
		Std Deviation	7 62	-9 96	22 22	-5 68
	Female	Mean	-0 45	0 13	-5 63	2 96
		Std Deviation	5 07	-2 87	12 53	-4 78
	Total	Mean	-0 86	1 01	-5 46	1 44
		Std. Deviation	6 12	-5 74	16 43	-5 27
Primary	Male	Mean	0 85	-0 30	-4 25	1.62
		Std Deviation	2 59	-0 17	13 12	-3.28
	Female	Mean	0 17	-0 51	-5 54	3.20
		Std Deviation	2 11	-0.82	16 03	-7 04
	Total	Mean	0 58	-0 38	-4 79	2.25
		Std Deviation	2 41	-0.45	14.55	-5.18
Secondary	Male	Mean	2 36	0.27	-7 15	4 31
		Std. Deviation	5 53	0 04	16 85	-8 23
	Female	Mean	-0 97	0 14	-7 37	4 09
		Std Deviation	3 30	-0 21	11 40	-2 47
	Total	Mean	1 21	0 23	-7.24	4 23
		Std Deviation	4 79	-0 05	14.86	-6 14
Vocational and Short course	Male	Mean	0 03	3.07	-8 21	5.00
		Std Deviation	10 85	2 87	12 75	-0 95
	Female	Mean	-1 40	-0 42	-6 15	7 20
		Std Deviation	14.26	-6 92	24 94	-12 81
	Total	Mean	-0 58	1 71	-7 41	5 89
		Std Deviation	12 11	-0.58	16 84	-5.35
University_teacher	Male	Mean	1 84	-1 51	-4 34	4 77
		Std Deviation	7 88	-10.00	11 12	-2 79
	Female	Mean	-0 71	1.77	-5.76	6 42
		Std Deviation	3 44	2.14	3.06	0 89
	Total	Mean	0 62	0 02	-5 03	5 55
		Std Deviation	6 28	-5.21	7.45	-1.28
Others_unknown	Male	Mean	-14 78	-7.03	-13.27	26.71
		Std. Deviation	-12 18	-6 54	59.62	-62.94
	Female	Mean	23 64	3 73	-12 73	10.21
		Std Deviation	-21 18	44 61	-70 47	186.24
	Total	Mean	-9 39	-5.49	-7 32	15 11
		Std Deviation	-11.64	8.34	13.72	-39.97
Total	Male	Mean	1 00	-0 27	-5 21	2 23
		Std Deviation	3 53	-1 14	13 95	-4.71
	Female	Mean	-0 13	-0 37	-6.05	3 64
		Std Deviation	2 86	-1 34	13 58	-6.13
	Total	Mean	0 52	-0 31	-5.56	2 80
		Std Deviation	3 37	-1 21	13 78	-5.44

Table A.23.1 : Growth Rate of Average Hours Worked by Education (continued)

Round III			96	97	98
Less than primary	Male	Mean	-0 22	-0 86	0 03
		Std Deviation	-2 48	7 55	4 93
	Female	Mean	-1 01	-0.82	-2 15
		Std Deviation	-3 20	8.35	3.47
	Total	Mean	-0.65	-0 81	-1.22
		Std. Deviation	-2 85	7 93	4 36
Primary	Male	Mean	-1 87	-1 35	1 06
		Std Deviation	-0 02	5 78	4 38
	Female	Mean	-2 33	-0 07	1 02
		Std Deviation	-0 05	3.23	5.69
	Total	Mean	-2.04	-0 80	1.06
		Std Deviation	0.02	4 35	4 97
Secondary	Male	Mean	1 01	-4 36	2 13
		Std Deviation	-3 83	7.70	-0 22
	Female	Mean	0 67	-4 30	1 81
		Std Deviation	-5 03	9 66	-2 16
	Total	Mean	0 89	-4.36	1 99
		Std Deviation	-4 24	8 40	-0 92
Vocational	Male	Mean	-0 32	-4 77	4 74
and Short course		Std Deviation	-0 68	27 24	-9 84
	Female	Mean	1 84	-10 79	10 47
		Std. Deviation	-6 92	17 39	0 36
	Total	Mean	0 53	-7 21	6 99
		Std Deviation	-3 47	23 90	-6 38
University_teacher	Male	Mean	0 16	-12 06	13 09
		Std. Deviation	-0 87	29 64	-17 16
	Female	Mean	-0 23	-13 55	14 44
		Std Deviation	1 57	34 58	-23 25
	Total	Mean	-0 05	-12 80	13 74
		Std Deviation	0 18	31 87	-19 98
Others_unknown	Male	Mean	-0 69	0 05	-4 53
		Std Deviation	21 87	-28 10	16 86
	Female	Mean	-12 17	-15 07	-11 59
		Std Deviation	-59 37	46 29	-53 50
	Total	Mean	-2.03	-3 79	-6 43
		Std Deviation	-3 10	-23 69	4 72
Total	Male	Mean	-1 29	-2 75	1 60
		Std Deviation	-1 43	9 95	-0 14
	Female	Mean	-1 83	-2 05	1 57
		Std Deviation	-1 55	9 11	-0 06
	Total	Mean	-1 51	-2 46	1 60
		Std Deviation	-1 41	9 40	-0 10

Table A 24 Average Hours Worked by Marital Status (hrs / week)

Round I			95	96	97	98	99
Single	Male	Mean	50 29	51 47	50 96	46 53	48.14
		Std Deviation	12 99	13 41	13 55	16 11	15.02
	Female	Mean	50 29	49 86	49.80	43 60	48.15
		Std Deviation	13 73	14 48	14 09	18 06	15.91
	Total	Mean	50 29	50.80	50 49	45 31	48 14
		Std Deviation	13 30	13 89	13.78	17 01	15 39
Married	Male	Mean	52 43	52 67	52 62	50 41	51 37
		Std Deviation	13.52	14 07	13 71	15.49	14 83
	Female	Mean	50 20	50 20	49.99	47 88	48.71
		Std Deviation	14 48	14.71	14 58	15 97	15 32
	Total	Mean	51 54	51 66	51 55	49.39	50 28
		Std Deviation	13 96	14 39	14 13	15 73	15 09
Unmarried	Male	Mean	48 74	51 23	52 23	48 66	49.40
		Std Deviation	15 06	14.21	15 80	15 66	15.80
	Female	Mean	50 02	50.66	50.21	48.24	49 57
		Std Deviation	15 18	15 85	15 57	15.94	15.95
	Total	Mean	49 69	50 82	50.74	48.35	49 52
		Std Deviation	15 16	15 42	15.65	15 87	15 91
Total	Male	Mean	51 80	52 34	52 22	49 48	50.60
		Std Deviation	13 48	13 93	13.75	15.72	14 96
	Female	Mean	50 21	50 16	49.97	46 97	48 69
		Std Deviation	14 37	14 78	14.58	16 55	15 51
	Total	Mean	51 13	51 41	51 26	48.41	49 78
		Std Deviation	13 89	14 34	14 15	16 13	15.23

Round III			95	96	97	98
Single	Male	Mean	51 74	51.60	49 31	50 05
		Std Deviation	13 71	13 31	14 71	14 87
	Female	Mean	50.12	49 61	46.49	48 33
		Std Deviation	14.27	13 68	15 53	14 97
	Total	Mean	51.06	50 78	48.17	49 36
		Std Deviation	13.97	13 50	15 11	14 93
Married	Male	Mean	53 88	52 91	51 80	52.66
		Std Deviation	13 51	13.57	14 88	14.70
	Female	Mean	51 60	50 40	49.92	50.45
		Std Deviation	13.55	13 56	14.55	14.61
	Total	Mean	52 87	51 81	50 96	51.69
		Std. Deviation	13 58	13 62	14 77	14.70
Unmarried	Male	Mean	51.68	50 69	49.94	50.86
		Std. Deviation	14 90	14.32	14.56	15.30
	Female	Mean	50 29	49.86	49 81	50.46
		Std Deviation	14 87	14 77	15 67	15 98
	Total	Mean	50.64	50.08	49.84	50 56
		Std Deviation	14 89	14 65	15.38	15.81
Total	Male	Mean	53 29	52.54	51.12	51 97
		Std Deviation	13 64	13 54	14.87	14 80
	Female	Mean	51 16	50 19	49.20	50 02
		Std. Deviation	13.85	13 70	14.93	14 84
	Total	Mean	52.32	51 48	50 25	51.09
		Std Deviation	13 78	13 66	14 93	14 85

Note . Unmarried contains widow, divorced and separated

Table A 24 1 Growth Rate of Average Hours worked by Marital Status (%)

Round I			96	97	98	99
Single	Male	Mean	2 35	-0.98	-8 70	3 47
		Std Deviation	3 24	1 05	18.84	-6.73
	Female	Mean	-0 87	-0 13	-12 44	10 42
		Std Deviation	5 47	-2 70	28 17	-11 89
	Total	Mean	1 02	-0 61	-10.27	6 26
		Std. Deviation	4 38	-0.74	23 40	-9 52
Married	Male	Mean	0.46	-0.08	-4 20	1 90
		Std Deviation	4 01	-2.57	12 98	-4.26
	Female	Mean	-0.01	-0 40	-4 24	1 75
		Std. Deviation	1 63	-0 94	9.57	-4 09
	Total	Mean	0.24	-0.21	-4.20	1 81
		Std Deviation	3 08	-1 80	11 36	-4 11
Unmarried	Male	Mean	5.12	1 95	-6.84	1 51
		Std Deviation	-5 63	11 12	-0 84	0.90
	Female	Mean	1 27	-0 88	-3 92	2.76
		Std. Deviation	4 44	-1 80	2 37	0 07
	Total	Mean	2.27	-0 15	-4 71	2 43
		Std Deviation	1 70	1 52	1 36	0 29
Total	Male	Mean	1 04	-0 24	-5 25	2 26
		Std Deviation	3 36	-1 29	14 33	-4.84
	Female	Mean	-0.08	-0 38	-6.01	3 66
		Std Deviation	2 79	-1 33	13.50	-6.25
	Total	Mean	0 56	-0 30	-5 56	2 83
		Std Deviation	3 24	-1 29	13 94	-5 56

Round III			96	97	98
Single	Male	Mean	-0 26	-4 44	1 51
		Std Deviation	-2 96	10 54	1 10
	Female	Mean	-1 01	-6 30	3 97
		Std Deviation	-4 16	13 52	-3 59
	Total	Mean	-0 55	-5 15	2 47
		Std Deviation	-3 40	11 95	-1 15
Married	Male	Mean	-1 79	-2 11	1 67
		Std Deviation	0 44	9 66	-1 21
	Female	Mean	-2 34	-0 95	1 06
		Std Deviation	0 02	7 34	0 37
	Total	Mean	-2 02	-1 63	1.43
		Std Deviation	0 33	8 39	-0 43
Unmarried	Male	Mean	-1 92	-1 47	1 84
		Std Deviation	-3 93	1 67	5 11
	Female	Mean	-0 85	-0 11	1.31
		Std Deviation	-0 69	6 10	2 02
	Total	Mean	-1 11	-0 48	1 45
		Std Deviation	-1 59	4 96	2 81
Total	Male	Mean	-1 40	-2 71	1 67
		Std Deviation	-0 67	9.80	-0 45
	Female	Mean	-1 90	-1 97	1 66
		Std Deviation	-1 13	9 00	-0 59
	Total	Mean	-1 60	-2 40	1 68
		Std Deviation	-0 82	9 26	-0 50

Note Unmarried contains widow divorced and separated

Table A 25 Average Hours Worked by Migration Status (hrs /week)

Round I			95	96	97	98	99
Migrant	Male	Mean	53 07	53 41	53.06	50 03	51 44
		Std Deviation	12 87	13 10	13 05	15 65	15 22
	Female	Mean	51 87	51 18	51 29	48 00	50 20
		Std Deviation	13 64	13 89	14 16	16 21	15 73
	Total	Mean	52 60	52 57	52 41	49 29	50.97
		Std Deviation	13 18	13 45	13 50	15.89	15.42
Nonmigrant	Male	Mean	51 48	52 01	51 96	49 28	50 33
		Std. Deviation	13 64	14 19	13 98	15.80	14 98
	Female	Mean	49 87	49 90	49 71	46 70	48.33
		Std Deviation	14 54	15 00	14 70	16 70	15 58
	Total	Mean	50 78	51 09	50 98	48 15	49.45
		Std Deviation	14 06	14 59	14 34	16 25	15.28
Total	Male	Mean	51 76	52 28	52 14	49 43	50.53
		Std Deviation	13 52	14 00	13.84	15 77	15 03
	Female	Mean	50 17	50 10	49 92	46 90	48 60
		Std Deviation	14 43	14 84	14 64	16 63	15 61
	Total	Mean	51 09	51 35	51 19	48 35	49 70
		Std. Deviation	13 94	14 41	14.23	16 19	15 31

Round III			95	96	97	98
Migrant	Male	Mean	54 75	53 91	51 88	52 92
		Std Deviation	12 88	13 22	13 98	14 44
	Female	Mean	51.98	51.33	49 08	50.36
		Std Deviation	13 07	13.36	13 72	14.85
	Total	Mean	53 69	52.94	50 82	51.93
		Std Deviation	13 03	13.33	13 95	14.65
Nonmigrant	Male	Mean	52 76	52 11	50.85	51 59
		Std Deviation	13 99	13 68	15.15	15 05
	Female	Mean	50 91	49 92	49.11	49 79
		Std Deviation	14 12	13.82	15 19	15.03
	Total	Mean	51 89	51.09	50 04	50.75
		Std Deviation	14 08	13.79	15 19	15.06
Total	Male	Mean	53 15	52 47	51.02	51.84
		Std Deviation	13 81	13.61	14 96	14.94
	Female	Mean	51 06	50.13	49 10	49.87
		Std Deviation	13 98	13 76	15.01	15 00
	Total	Mean	52 20	51 41	50.15	50 95
		Std Deviation	13 92	13 73	15 02	15 00

Table A.25 1 Growth Rate of Average Hours Worked by Migration Status (%)

Round I			96	97	98	99
Migrant	Male	Mean	0.65	-0.67	-5 70	2 80
		Std Deviation	1 82	-0 37	19 90	-2 77
	Female	Mean	-1 32	0.20	-6.40	4.58
		Std Deviation	1 83	1.97	14.41	-2 96
	Total	Mean	-0 07	-0 31	-5 95	3 41
		Std Deviation	2 01	0 37	17 68	-2 92
Nonmigrant	Male	Mean	1 04	-0.10	-5 15	2 12
		Std. Deviation	4 02	-1.46	12 96	-5 18
	Female	Mean	0 07	-0 38	-6.06	3 49
		Std. Deviation	3.16	-2.02	13.58	-6.72
	Total	Mean	0.61	-0 22	-5.55	2.70
		Std. Deviation	3.75	-1.68	13.27	-5 98
Total	Male	Mean	1.00	-0 27	-5 21	2 23
		Std Deviation	3 53	-1 14	13.95	-4 71
	Female	Mean	-0.13	-0.37	-6.05	3.64
		Std. Deviation	2.86	-1 34	13 58	-6 13
	Total	Mean	0 52	-0 31	-5 56	2 80
		Std Deviation	3 37	-1 21	13 78	-5 44

Round III			96	97	98
Migrant	Male	Mean	-1 54	-3 77	2 02
		Std Deviation	2 66	5 73	3 27
	Female	Mean	-1 25	-4 39	2 61
		Std Deviation	2 19	2 72	8.20
	Total	Mean	-1 40	-4 00	2 18
		Std. Deviation	2 37	4 62	5 03
Nonmigrant	Male	Mean	-1.23	-2 42	1 45
		Std Deviation	-2 25	10.76	-0 69
	Female	Mean	-1 94	-1 63	1 39
		Std Deviation	-2 15	9 91	-1 04
	Total	Mean	-1 54	-2 07	1 44
		Std Deviation	-2 11	10 19	-0 84
Total	Male	Mean	-1 29	-2 75	1 60
		Std Deviation	-1 43	9 95	-0 14
	Female	Mean	-1 83	-2 05	1 57
		Std Deviation	-1 55	9 11	-0 06
	Total	Mean	-1 51	-2 46	1 60
		Std Deviation	-1 41	9 40	-0 10

Table A 26 Average Hours Worked by Region (hrs /week)

Round I			95	96	97	98	99
North	Male	Mean	53 63	53 38	53.00	51 90	51 62
		Std Deviation	12 80	13 36	13 39	13 72	14 34
	Female	Mean	52 53	51 89	51 34	50 78	49 81
		Std Deviation	14 65	14 82	14 87	14 83	15 13
	Total	Mean	53 17	52 75	52 30	51 42	50 85
		Std Deviation	13 61	14 01	14 06	14 21	14 71
Northeast	Male	Mean	52 38	53 40	53 62	52 89	52 00
		Std Deviation	13 20	13 09	12.55	14 37	14 65
	Female	Mean	49.57	49 58	50 04	48.86	48 49
		Std Deviation	14 16	14 55	14 04	15 50	15 73
	Total	Mean	51 28	51 89	52 21	51 33	50 64
		Std Deviation	13 66	13 82	13 27	14 94	15 18
South	Male	Mean	48 44	48 38	47 87	44 33	45 61
		Std Deviation	15 60	17 90	16 82	18.56	17 68
	Female	Mean	46 26	45 61	45 17	43 20	43 53
		Std Deviation	16 08	17 37	16 70	18 58	17 46
	Total	Mean	47 47	47 16	46 66	43.83	44 66
		Std Deviation	15 85	17 72	16.82	18 58	17 61
Central	Male	Mean	51 56	52 25	51.82	48 74	49 92
		Std Deviation	13 58	13 66	13 86	15 14	14.27
	Female	Mean	50.50	50 74	50 70	47.81	49 41
		Std Deviation	14 01	13 93	14 17	15 11	14 55
	Total	Mean	51 09	51.57	51 32	48 33	49.69
		Std Deviation	13.78	13.80	14 01	15 13	14 40
Bangkok	Male	Mean	50 96	51 67	51 96	43 54	51.53
and Metropolis		Std Deviation	12 25	12 45	13 34	16 74	14 13
	Female	Mean	51 53	52 10	51 06	40.41	51 03
		Std Deviation	12.51	13 26	13 11	18.69	14.67
	Total	Mean	51 21	51 86	51 55	42 06	51.30
		Std. Deviation	12 37	12.82	13 25	17 76	14.38
Total	Male	Mean	51.76	52 28	52 14	49 43	50.53
		Std Deviation	13 52	14.00	13 84	15.77	15.03
	Female	Mean	50 17	50 10	49.92	46.90	48 60
		Std Deviation	14 43	14 84	14 64	16.63	15.61
	Total	Mean	51 09	51 35	51 19	48 35	49.70
		Std Deviation	13 94	14 41	14 23	16.19	15 31

Table A.26 Average Hours Worked by Region (continued)

Round III			95	96	97	98
North	Male	Mean	54 36	54 02	51 92	49 61
		Std Deviation	12 73	12.15	13 20	13 03
	Female	Mean	53 42	52.59	50.98	49.49
		Std Deviation	13 81	12 99	14.24	14 25
	Total	Mean	53.94	53 38	51 50	49 55
		Std. Deviation	13 23	12.55	13 68	13.63
Northeast	Male	Mean	56 33	54 38	56 16	50 21
		Std Deviation	13 27	13.45	13 50	14.00
	Female	Mean	52 77	50 43	53 02	49 24
		Std Deviation	12 84	13 09	13.09	14 15
	Total	Mean	54 68	52 60	54 73	49 77
		Std Deviation	13 19	13 43	13 41	14 07
South	Male	Mean	47.22	47.58	44 97	53 81
		Std Deviation	16.51	16 07	17 15	13 04
	Female	Mean	44 12	44 33	42 25	52.47
		Std Deviation	16 64	15.98	16 95	14 13
	Total	Mean	45 85	46 13	43.75	53 20
		Std Deviation	16 64	16 11	17 11	13 56
Central	Male	Mean	51 73	51 50	49 05	54 92
		Std Deviation	13 26	13 44	14.58	15 08
	Female	Mean	50 52	50.11	47 79	51 42
		Std Deviation	13 87	13 79	14 83	14 51
	Total	Mean	51 18	50 87	48 48	53.38
		Std. Deviation	13 56	13.62	14 71	14 93
Bangkok and Metropolis	Male	Mean	50.67	51 36	44 85	45 56
		Std Deviation	11 89	12 17	14 52	17 59
	Female	Mean	50 00	51 31	44.39	43.37
		Std Deviation	12 16	12 55	15 49	17 67
	Total	Mean	50 37	51 34	44 64	44 59
		Std Deviation	12 02	12 34	14 98	17 66
Total	Male	Mean	53 15	52 47	51 02	51 84
		Std Deviation	13 81	13 61	14 96	14 94
	Female	Mean	51 06	50 13	49 10	49 87
		Std Deviation	13 98	13 76	15 01	15 00
	Total	Mean	52 20	51 41	50 15	50 95
		Std Deviation	13 92	13 73	15 02	15 00

Table A 26 1 Growth Rate of Average Hours Worked by Region (%)

Round I			96	97	98	99
North	Male	Mean	-0 46	-0 72	-2 08	-0 54
		Std Deviation	4 38	0 23	2 46	4 52
	Female	Mean	-1 23	-1 04	-1 11	-1 90
		Std Deviation	1 12	0 37	-0 31	2 07
	Total	Mean	-0.78	-0 86	-1 68	-1 12
		Std Deviation	2 91	0 33	1 07	3 52
Northeast	Male	Mean	1 96	0 40	-1 36	-1 67
		Std Deviation	-0 83	-4 14	14 45	2 00
	Female	Mean	0 02	0 93	-2.36	-0 75
		Std Deviation	2 70	-3 49	10 39	1.49
	Total	Mean	1 19	0 62	-1 68	-1 35
		Std. Deviation	1 16	-3 93	12 58	1 57
South	Male	Mean	-0 12	-1 07	-7 38	2 89
		Std Deviation	14 70	-6 02	10 32	-4 73
	Female	Mean	-1 40	-0.98	-4 37	0.76
		Std Deviation	8 03	-3.85	11 27	-6.04
	Total	Mean	-0 66	-1 05	-6 06	1 90
		Std Deviation	11 76	-5 07	10 44	-5 20
Central	Male	Mean	1 34	-0 82	-5 94	2 41
		Std. Deviation	0.60	1 47	9 28	-5 77
	Female	Mean	0 47	-0 09	-5 69	3 34
		Std Deviation	-0 56	1 70	6.64	-3 66
	Total	Mean	0 95	-0 49	-5 83	2 81
		Std Deviation	0 14	1 50	8.05	-4 84
Bangkok	Male	Mean	1 38	0 56	-16 20	18.36
and Metropolis		Std. Deviation	1 59	7 20	25 50	-15.60
	Female	Mean	1 11	-1.99	-20.87	26.30
		Std Deviation	5 95	-1 10	42.49	-21.52
	Total	Mean	1 27	-0 60	-18 41	21.97
		Std Deviation	3 65	3 29	34.04	-18.99
Total	Male	Mean	1 00	-0 27	-5.21	2.23
		Std Deviation	3 53	-1 14	13 95	-4.71
	Female	Mean	-0 13	-0 37	-6 05	3 64
		Std Deviation	2 86	-1 34	13 58	-6 13
	Total	Mean	0 52	-0 31	-5 56	2 80
		Std Deviation	3 37	-1 21	13.78	-5 44

Table A.27 Proportion of Workers with Real Wage Above the 1995 First Quintile by Age (%)

Round I		95	96	97	98	99
Male	age 13-14	24 71	51 88	64 08	51 77	53 72
	age 15-19	68 24	79 41	88 27	87.55	87.28
	age 20-24	81 99	88 18	95 43	95 97	93 61
	age 25-49	88.92	93 22	95 93	96 41	95 63
	age 50+	82.70	88.06	92.55	93.72	92.99
	Total	85 11	90 47	94 80	95 34	94 38
Female	age 13-14	22.41	42.07	37 32	62 66	54 85
	age 15-19	54 04	71 66	79 65	82.86	80.54
	age 20-24	76 83	84.78	90.46	92.22	90 61
	age 25-49	76.80	85 42	92 20	93 82	91.75
	age 50+	56 52	65 43	79 36	82 56	80 82
	Total	71 91	82 20	89 67	91 81	89 84
Total	age 13-14	23 35	47 82	53 01	56 80	54 14
	age 15-19	61 33	75.89	84 56	85 52	84 22
	age 20-24	79.76	86 75	93 27	94 28	92 26
	age 25-49	84 46	90.21	94 45	95.33	94 02
	age 50+	74 63	81 22	88 53	90 08	88 93
	Total	80 00	87 23	92 76	93 88	92 49

Round III		95	96	97	98
Male	age 13-14	42 29	37 62	79 29	60 45
	age 15-19	69 38	72 97	86 85	79 40
	age 20-24	82.08	89.40	95 40	91 53
	age 25-49	88 73	93 40	96 11	94 87
	age 50+	80 26	86 38	91.98	92 07
	Total	85.02	90 19	94 84	93 05
Female	age 13-14	31 03	43 73	42 34	38 47
	age 15-19	63 09	67 04	79 59	78 39
	age 20-24	79 42	86 12	92 54	90 13
	age 25-49	75 97	84 98	92 02	91 02
	age 50+	49 56	63 40	76 79	80 17
	Total	72 91	81 50	89 63	88 94
Total	age 13-14	37 33	41 00	62.67	51 77
	age 15-19	66 37	70 22	83 50	78 92
	age 20-24	80 83	87 96	94 08	90 88
	age 25-49	83 66	90 03	94 40	93 20
	age 50+	69 03	78 68	86 45	87 86
	Total	79 99	86 65	92 63	91 26

Table A 27 1 Growth Rate of Workers with Real Wage Above the 1995 First Quintile by Age (%)

Round I		96	97	98	99
Male	age 13-14	111 08	-4 10	-41 45	53 61
	age 15-19	23 24	-3 18	-17 65	-18 48
	age 20-24	17 96	0 50	-13 11	-3 12
	age 25-49	8 69	5 40	-4 57	-3 67
	age 50+	14.34	12 39	-7 64	-4 21
	Total	11 84	4 63	-7 26	-4 43
Female	age 13-14	-8 11	-31 00	47 86	-9 97
	age 15-19	23.86	-12 26	-12 64	-13 34
	age 20-24	15 25	5 11	-6 21	-2 79
	age 25-49	24 97	15 59	3 88	-4 29
	age 50+	20 80	31 25	4 49	-1 98
	Total	22 45	11 63	0.88	-4 46
Total	age 13-14	43 45	-13 88	-15 45	21 23
	age 15-19	23 50	-7 08	-15 62	-16 32
	age 20-24	16 83	2 39	-10 20	-2 97
	age 25-49	14 13	9 14	-1 29	-3 92
	age 50+	15 85	16 98	-4 33	-3 54
	Total	15 53	7 21	-4 13	-4.45

Round III		96	97	98
Male	age 13-14	-40 85	118 12	-39 97
	age 15-19	7 90	7 48	-30.55
	age 20-24	22 38	0.78	-17.13
	age 25-49	8 81	5.42	-6.33
	age 50+	21 86	7 78	2 72
	Total	11.98	5 16	-8 78
Female	age 13-14	48 02	-33 94	-42.92
	age 15-19	2 19	6 42	-19.85
	age 20-24	7 07	11 28	-13.12
	age 25-49	17 11	20 07	-0 25
	age 50+	26 61	39 01	2.37
	Total	14 18	18 16	-4.05
Total	age 13-14	-8 37	28 36	-40 87
	age 15-19	5.30	7 01	-25 85
	age 20-24	15 30	5.29	-15 31
	age 25-49	11 81	10 96	-3 84
	age 50+	23 11	16 22	2 61
	Total	12 81	10 14	-6 84

Table A 28 Proportion of Workers with Real Wage Above the 1995 First Quintile by Education(%)

Round I		95	96	97	98	99
Male	less than primary	69 13	70 05	85 47	88 31	82 06
	primary	80 33	88 57	93 70	93.65	92 31
	secondary	92 28	94 96	96 02	96 84	96.19
	vocational_short course	97 73	97 76	99 47	99 30	98 77
	university_teacher	99.41	99 56	99 86	99 85	99.72
	others_unknown	65 56	61 36	96 67	45 96	100.00
	total	85 11	90.47	94 80	95 34	94.38
Female	less than primary	47.14	61 05	73 79	76 75	71 89
	primary	61 43	75 53	85.86	88 42	84.35
	secondary	85 86	92 25	93.80	94 11	94.27
	vocational_short course	99 02	98 12	99.47	99.59	98.91
	university_teacher	99 60	99.80	99 97	99 69	99.86
	others_unknown	77.76	0 00	85 94	93 30	61 67
	total	71 91	82.20	89 67	91 81	89 84
Total	less than primary	58.54	65.66	79 78	82 63	76 56
	primary	73 13	83 76	90 76	91 59	89 20
	secondary	90 31	93 99	95 24	95.83	95 47
	vocational_short course	98 23	97 91	99.47	99 42	98.83
	university_teacher	99 50	99 68	99 92	99 77	99 79
	others_unknown	68 87	43 06	95.32	76 45	90 68
	total	80 00	87.23	92.76	93 88	92 49

Round III		95	96	97	98
Male	less than primary	65 89	69 17	86 03	83 29
	primary	78 96	87 13	93 31	89 48
	secondary	93 57	95 46	95 87	95 71
	vocational_short course	95 71	99 16	99 43	98 16
	university_teacher	99 27	99 74	99 82	99 67
	others_unknown	90 32	23.15	100 00	97.08
	total	85.02	90 19	94 84	93 05
Female	less than primary	40 69	52.93	71 31	66 36
	primary	60 77	74 04	85 19	82 91
	secondary	87 14	91.37	93 42	92 87
	vocational_short course	93 69	98 94	99 25	98 47
	university_teacher	99 37	99 72	99 98	99 89
	others_unknown	26 78	0 00	94 33	0 00
	total	72 91	81 50	89 63	88 94
Total	less than primary	52 98	60 97	78 56	74 03
	primary	71 68	82 05	90 00	86 77
	secondary	91 29	94 00	94 96	94 60
	vocational_short course	94 85	99 07	99 35	98 29
	university_teacher	99 32	99 73	99 90	99 78
	others_unknown	86 08	21 35	97 77	97 08
	total	79 99	86 65	92 63	91 26

Table A 28 1 Growth Rate of Workers with Real Wage Above the 1995 First Quintile by Education (%)

Round I		96	97	98	99
Male	less than primary	4 84	26 52	-19 16	-19 57
	primary	21 61	-0 29	-15 75	-8 57
	secondary	-1 56	11 33	6 89	1 78
	vocational_short course	-1 65	2 64	8 54	-9 97
	university_teacher	-2 70	14 52	9 74	5 31
	others_unknown	-1 76	407 64	-94 60	2055 53
	total	11 84	4 63	-7 26	-4 43
Female	less than primary	37 38	24 89	-17 07	-1 26
	primary	28 55	9 91	-5 50	-12 99
	secondary	28.71	10 04	14 59	4 97
	vocational_short course	14 96	11 05	-10 62	-2 10
	university_teacher	4 85	14 50	13 38	4.89
	others_unknown	-100 00	#DIV/0!	55.37	16 21
	total	22 45	11 63	0.88	-4.46
Total	less than primary	17.46	25 78	-18.22	-11 21
	primary	23 83	3.10	-12 12	-10 25
	secondary	7 27	10 88	9 56	2 94
	vocational_short course	4 80	6 22	0 00	-6 83
	university_teacher	0 90	14 51	11 54	5 10
	others_unknown	-31 88	472 40	-77 64	452 58
	total	15 53	7 21	-4.13	-4.45

Round III		96	97	98
Male	less than primary	21 40	14 82	-29 02
	primary	17 99	1 22	-18 48
	secondary	7.98	7.64	2 39
	vocational_short course	0 71	0 36	5.62
	university_teacher	0 47	15 85	8 61
	others_unknown	-91.53	365 51	195.79
	total	11 98	5 16	-8.78
Female	less than primary	46 34	25.34	-20.05
	primary	23.71	17.82	-15 33
	secondary	12 63	16 91	10.36
	vocational_short course	-4 13	15 49	-6 04
	university_teacher	-0 03	19 03	11.87
	others_unknown	-100 00	#DIV/0!	-100.00
	total	14 18	18 16	-4.05
Total	less than primary	31 21	19 43	-24.89
	primary	19 93	7 04	-17.27
	secondary	9 55	10 86	5 31
	vocational_short course	-1 32	6 53	0 47
	university_teacher	0 22	17 43	10 26
	others_unknown	-91 71	650 00	83 59
	total	12.81	10.14	-6 84

Table A 29 Proportion of Workers with Real Wage Above the 1995 First Quintile by Marital Status (%)

Round I		95	96	97	98	99
Male	single	81.31	87.00	93.73	94 21	93.90
	married	87 44	92 47	95 74	96 16	94 94
	unmarried	83 71	86 72	88 06	91.58	92.26
	toal	85 42	90 66	94 92	95 47	94 57
Female	single	72 27	84.59	90 03	93 30	91 81
	married	73 97	82 82	90 68	91 61	90 07
	unmarried	64 01	69 73	84.12	88 53	83 43
	toal	72 50	82 41	89.88	91 91	89.98
Total	single	77.61	86.01	92 19	93.81	92 99
	married	82 74	88.96	93 89	94 44	93 08
	unmarried	69 71	75 87	85.43	89.46	85.88
	toal	80 44	87 43	92 92	94.00	92 66

Round III		95	96	97	98
Male	single	80 14	86 95	94 00	90 88
	married	87 88	92 07	95 34	94 28
	unmarried	77 83	87 49	94 39	89 69
	toal	85 25	90 37	94 89	93 14
Female	single	78 54	83 78	90 23	91 08
	married	71 79	82 08	90 76	89 18
	unmarried	61 79	71 07	82 59	81 47
	toal	73 16	81 73	89 82	89 07
Total	single	79 43	85 59	92 35	90 97
	married	81 88	88 34	93.55	92 26
	unmarried	66 14	76 36	86 12	83 59
	toal	80 23	86 86	92 74	91 37

Note Unmarried contains widowed, divorced and separated

Table A 29 1 Growth Rate of Workers with Real Wage Above the 1995 First Quintile by Marital Status (%)

Round I		96	97	98	99
Male	single	7 10	6 96	-8 23	-5 29
	married	12 98	3 56	-6 34	-4 38
	unmarried	34 57	7 78	-16 41	0 27
	toal	11 69	4 65	-7 17	-4 53
Female	single	18 76	7 02	5 12	-9 27
	married	27 67	10 79	-0 91	-3 19
	unmarried	1 57	45 55	-3 73	6.67
	toal	22 56	11 75	0 80	-4 45
Total	single	11 54	6 99	-2 81	-7 04
	married	17 56	6 01	-4 42	-3 94
	unmarried	13 02	29 93	-8.08	4 68
	toal	15 47	7 27	-4 11	-4 50

Round III		96	97	98
Male	single	14 51	10 77	-14 28
	married	10 55	2 04	-5 36
	unmarried	28 99	16 33	-23 99
	toal	12 12	5 00	-8 69
Female	single	6 81	14 86	-4 14
	married	20 57	17 73	-4 06
	unmarried	3 33	39 58	-2 80
	toal	14 09	18 33	-3 98
Total	single	11 14	12 49	-9 93
	married	13.83	7 48	-4 86
	unmarried	11 52	31 00	-9.74
	toal	12 86	10 10	-6 75

Note Unmarried contains widowed, divorced and separated

Table A 30 · Proportion of Workers With Real Wage Above the 1995 First Quintile by Migration Status (%)

Round I		95	96	97	98	99
Male	migrant	86 78	90 83	96.20	95 00	94 64
	nonmigrant	84.59	90 35	94 41	95 45	94 29
	total	85.11	90 47	94 80	95 34	94 38
Female	migrant	70 47	84 38	89.03	90.36	88 47
	nonmigrant	72.37	81 46	89 82	92 21	90.22
	total	71.91	82 20	89.67	91 81	89 84
Total	migrant	80 43	88.35	93 52	93 23	92.26
	nonmigrant	79 86	86 85	92.56	94 08	92 56
	total	80.00	87 23	92 76	93 88	92.49

Round III		95	96	97	98
Male	migrant	87.22	89.43	95 63	93 78
	nonmigrant	84 25	90.43	94 63	92 82
	total	85 02	90.19	94 84	93 05
Female	migrant	76.58	80 18	90.83	88.25
	nonmigrant	71.81	81 88	89 35	89 14
	total	72.91	81 50	89 63	88 94
Total	migrant	83 09	85 84	93.69	91 47
	nonmigrant	78 98	86 90	92 36	91.20
	total	79 99	86.65	92 63	91 26

Table A 30 1 Growth Rate of Workers With Real Wage Above the 1995 First Quintile by Migration Status (%)

Round I		96	97	98	99
Male	migrant	20 56	-11 80	4 65	-5 40
	nonmigrant	9.06	10 42	-10 61	-4 11
	total	11 84	4 63	-7 26	-4 43
Female	migrant	34 66	-15 79	11.55	-5 84
	nonmigrant	18 70	21 16	-1 70	-4 09
	total	22 45	11 63	0 88	-4 46
Total	migrant	25 37	-13 26	7 10	-5 57
	nonmigrant	12 43	14 39	-7 12	-4 10
	total	15.53	7 21	-4 13	-4 45

Round III		96	97	98
Male	migrant	2 78	-8 44	4 00
	nonmigrant	15 27	9 50	-12 19
	total	11 98	5 16	-8 78
Female	migrant	4 84	3 42	8 90
	nonmigrant	17 15	22 36	-7 16
	total	14 18	18 16	-4 05
Total	migrant	3 52	-4 14	5 92
	nonmigrant	15 99	14 50	-10 10
	total	12 81	10 14	-6 84

Table A 31 · Proportion of Workers with Real Wage Above the 1995 First Quintile by Region (%)

Round I		95	96	97	98	99
Male	North	79 30	85 60	93 23	93 72	89 53
	Northeast	75 80	86 21	92.61	92 11	91 77
	South	90 07	88 41	94 03	95.00	93 85
	Central	89.95	94 37	96 11	97.04	96.86
	Bangkok and Metropolis	96 98	98 08	98 64	99 16	98.99
	Total	85 11	90 47	94 80	95 34	94 38
Female	North	55 63	70 27	82 80	85 63	82.63
	Northeast	57 52	69 85	82.64	86 98	83.43
	South	79 67	86 61	88 65	92 09	88.52
	Central	82 78	89 24	93 86	93 65	92 74
	Bangkok and Metropolis	81 39	92 29	95 83	97 67	96 12
	Total	71 91	82.20	89 67	91.81	89 84
Total	North	70.58	79 90	89.26	90.52	86 87
	Northeast	69 83	80.84	89.43	90 29	88.93
	South	86 29	87.76	92.02	93 94	91 64
	Central	86 83	92 14	95 13	95 57	94.99
	Bangkok and Metropolis	90 25	95 48	97.32	98 44	97.63
	Total	80 00	87 23	92 76	93 88	92.49

Round III		95	96	97	98
Male	North	77 06	84 25	92 43	98 82
	Northeast	73 65	84 26	90 92	95.48
	South	88 37	89 41	93 98	88.01
	Central	89 31	93 15	96.41	88 22
	Bangkok and Metropolis	95.88	98 27	98 93	91 69
	Total	85 02	90 19	94 84	93 05
Female	North	50 94	65 92	81 56	94 71
	Northeast	59.04	72 91	86 38	92 74
	South	81.87	85 81	86.93	76 43
	Central	80 36	88 42	91 80	86 03
	Bangkok and Metropolis	88 29	89 56	95 32	88.53
	Total	72 91	81.50	89.63	88.94
Total	North	66 40	76 52	87.93	96.84
	Northeast	67.90	80 26	89.22	94 28
	South	86.06	88 15	91 45	83 03
	Central	85 44	91 12	94 39	87 34
	Bangkok and Metropolis	92 49	94 42	97 19	90 51
	Total	79 99	86 65	92.63	91 26

Table A.31.1 :Growth Rate of Workers with Real Wage Above the 1995 First Quintile by Region (%)

Round I		96	97	98	99
Male	North	7 37	10.33	-8.39	-12 09
	Northeast	23.59	7 14	-17.25	-6 11
	South	-1.80	2 28	-1 95	0.02
	Central	12 71	2.63	-3.45	0.13
	Bangkok and Metropolis	6 65	-0 30	1.66	-3 87
	Total	11.84	4 63	-7 26	-4.43
Female	North	27 58	23.60	0 80	-15 52
	Northeast	33.27	13 01	2.74	-15.07
	South	8.15	2 72	-2 25	19.85
	Central	15 38	7 33	-5 42	6.27
	Bangkok and Metropolis	28 16	12.66	8 73	-9.41
	Total	22 45	11 63	0.88	-4 46
Total	North	13.24	14.67	-5 15	-13.38
	Northeast	26 19	8 81	-11 35	-9 18
	South	1.54	2 44	-2 06	7.11
	Central	13 82	4 61	-4.30	2 75
	Bangkok and Metropolis	15.02	5 32	4.94	-6 53
	Total	15 53	7 21	-4 13	-4 45

Round III		96	97	98
Male	North	10 19	11 30	11 77
	Northeast	27 72	1 37	54 00
	South	6.73	-2 18	39 65
	Central	10 58	4 73	-46 27
	Bangkok and Metropolis	5.85	8 53	-52.36
	Total	11 98	5 16	-8 78
Female	North	37 93	21 44	61 05
	Northeast	15 44	22 07	106.49
	South	8 09	-2 08	76 57
	Central	15 47	9 32	-53 01
	Bangkok and Metropolis	2 64	34 88	-69 15
	Total	14 18	18 16	-4 05
Total	North	18 87	14 98	30 67
	Northeast	23 51	8 00	72 99
	South	7 19	-2 15	52 26
	Central	12 57	6 64	-49 15
	Bangkok and Metropolis	4 48	19 56	-60 29
	Total	12 81	10 14	-6 84

Table A 32 Mean and Standard Deviation in Real Wage Rates by Sex (baht/hr , adjusted N**)

Round I		95	96	97	98	99
Male	Mean	25 61	26 83	28 16	27 93	24 22
	Std Deviation	28 11	32 92	33 60	39 00	33 46
	N	7,810,771	8,217,291	8,205,219	7,566,700	7,304,793
	N**	7,810,770	7,941,956	8,060,085	8,180,434	8,296,054
Female	Mean	22 12	24 23	26 44	27 30	24.23
	Std Deviation	24.63	27 01	26 72	32 39	27.19
	N	4,937,148	5,289,064	5,412,108	5,332,351	5,205,532
	N**	4,937,149	5,020,852	5,103,440	5,190,389	5,269,984
Total	Mean	24 26	25 82	27 49	27 67	24.21
	Std Deviation	26 87	30 79	31 12	36 54	31 13
	N	12,747,919	13,506,356	13,617,327	12,899,051	12,510,325
	N**	12,747,918	12,963,041	13,166,114	13,376,649	13,573,803

Round III		95	96	97	98
Male	Mean	28 82	29 40	35 34	28 17
	Std Deviation	34 31	31 83	46 53	38.22
	N	6,617,540	6,984,896	6,985,338	6,494,882
	N**	6,617,541	6,709,952	6,810,020	6,919,519
Female	Mean	24 48	24 35	32.97	26 00
	Std Deviation	30 49	26.13	39 80	27 79
	N	4,694,677	4,795,431	5,151,994	4,981,968
	N**	4,694,677	4,768,947	4,845,737	4,928,144
Total	Mean	27 02	27 30	34 35	27.26
	Std Deviation	32.85	29.69	43 87	34.27
	N	11,312,217	11,780,327	12,137,331	11,476,850
	N**	11,312,217	11,480,734	11,658,814	11,851,715

Table A.32 1 Growth Rate of Mean and Standard Deviation in Real Wage Rates by Sex (baht/hr , adjusted N**)

Round 1		96	97	98	99
Male	Mean	4.78	4 96	-0 82	-13 29
	Std Deviation	17.11	2.07	16 07	-14 20
	N	5 20	-0.15	-7 78	-3 46
	N**	1 68	1 49	1 49	1 41
Female	Mean	9 55	9 14	3.22	-11 23
	Std. Deviation	9 67	-1.07	21.19	-16 06
	N	7 13	2.33	-1 47	-2 38
	N**	1.70	1.64	1.70	1.53
Total	Mean	6 46	6 46	0 66	-12.51
	Std Deviation	14 60	1 07	17 41	-14.80
	N	5 95	0 82	-5.27	-3 01
	N**	1 69	1 57	1 60	1 47

Round 3		96	97	98
Male	Mean	2 02	20 21	-20.30
	Std Deviation	-7 22	46 18	-17 86
	N	5 55	0 01	-7 02
	N**	1 40	1.49	1 61
Female	Mean	-0 55	35 40	-21 14
	Std Deviation	-14 31	52 30	-30.17
	N	2 15	7 44	-3 30
	N**	1 58	1 61	1 70
Total	Mean	1 03	25 82	-20 64
	Std Deviation	-9 60	47 73	-21 89
	N	4 14	3.03	-5 44
	N**	1 49	1 55	1 65

Table A 33 Mean and Standard Deviation in Total Hour Worked by Sex (hrs /week, adjusted N*)

Round I		95	96	97	98	99
Male	Mean	51 76	53 03	52 49	47 73	48 76
	Std Deviation	13 52	12 63	13 21	18 01	17 54
	N	16,657,549	17,181,083	17,304,478	16,845,408	17,070,671
	N*	16,657,549	16,937,322	17,189,248	17,445,911	17,692,486
Female	Mean	50 17	51 34	50 56	45 41	47 71
	Std Deviation	14 43	12 80	13 60	18 37	16.81
	N	12,288,919	12,805,556	12,866,958	12,510,120	12,875,728
	N*	12,288,921	12,497,265	12,702,831	12,919,253	13,117,372
Total	Mean	51 09	52 31	51 66	46 73	48 29
	Std Deviation	13 94	12 73	13 43	18 21	17 26
	N	28,946,468	29,986,639	30,171,435	29,355,529	29,946,399
	N*	28,946,470	29,434,945	29,896,058	30,374,117	30,821,790

Round III		95	96	97	98
Male	Mean	53 15	51.61	50 19	49.33
	Std Deviation	13 81	15 08	16 21	18 50
	N	17,787,436	17,740,229	18,006,583	17,700,079
	N*	17,787,438	18,035,831	18,304,809	18,599,133
Female	Mean	51 06	48 32	48.06	46 54
	Std Deviation	13 98	16 53	16 48	19 40
	N	14,802,587	14,494,036	14,956,019	14,500,426
	N*	14,802,586	15,036,765	15,278,887	15,538,720
Total	Mean	52.20	50 11	49 22	48 05
	Std. Deviation	13 92	15 84	16.38	18 97
	N	32,590,023	32,234,265	32,962,601	32,200,506
	N*	32,590,024	33,075,513	33,588,553	34,144,294

Table A 33 1 Growth Rate of Mean and Standard Deviation in Total Hour Worked by Sex (hrs /week, adjusted N*)

Round I		96	97	98	99
Male	Mean	2 46	-1.02	-9 08	2 16
	Std. Deviation	-6 61	4 64	36 27	-2.60
	N	3.14	0.72	-2 65	1 34
	N*	1.68	1 49	1.49	1 41
Female	Mean	2 33	-1.52	-10.19	5 06
	Std. Deviation	-11 31	6 27	35.07	-8 47
	N	4 20	0 48	-2 77	2 92
	N*	1 70	1 64	1 70	1 53
Total	Mean	2.40	-1 24	-9 56	3 35
	Std. Deviation	-8 68	5.48	35 67	-5 24
	N	3 59	0.62	-2 70	2.01
	N*	1 69	1 57	1 60	1 47

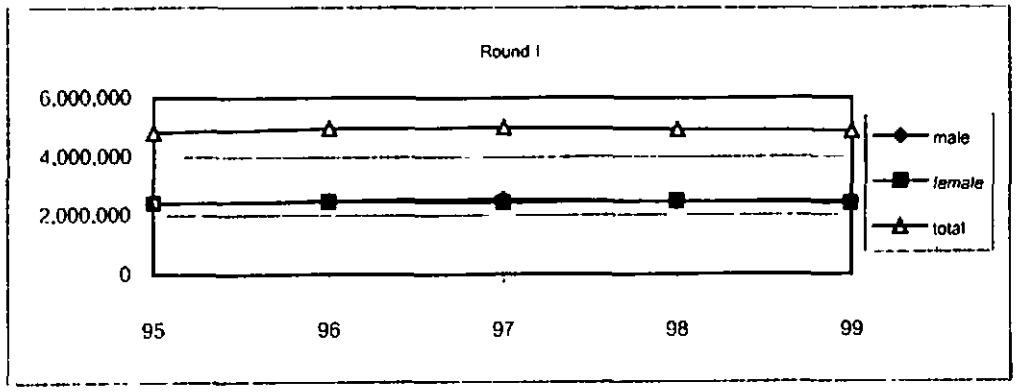
Round III		96	97	98
Male	Mean	-2 90	-2 74	-1 71
	Std. Deviation	9.20	7 50	14 17
	N	-0 27	1 50	-1 70
	N*	1.40	1 49	1.61
Female	Mean	-5 38	-0 53	-3 17
	Std Deviation	18 26	-0 30	17 70
	N	-2 08	3 19	-3 05
	N*	1 58	1 61	1 70
Total	Mean	-4 01	-1 77	-2 37
	Std Deviation	13 76	3 39	15 87
	N	-1 09	2 26	-2 31
	N*	1 49	1 55	1.65

Appendix B

Figures From Data Contained in Appendix A

List of Figures in Appendix B

Figure A 1 . Employment in manufacturing sector



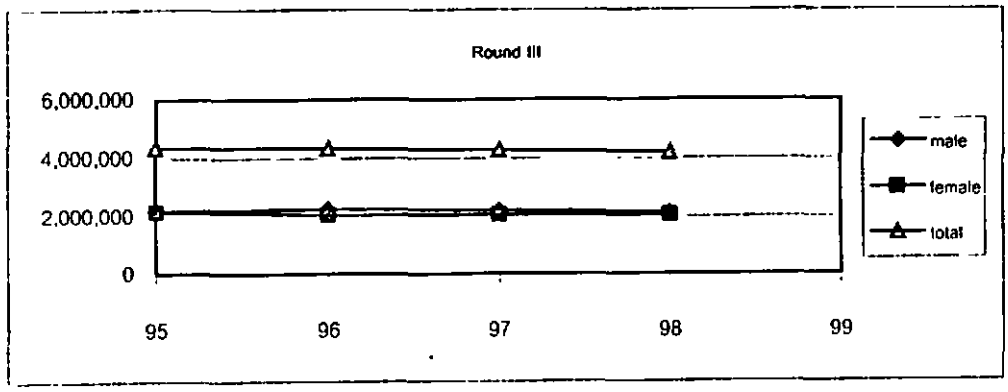
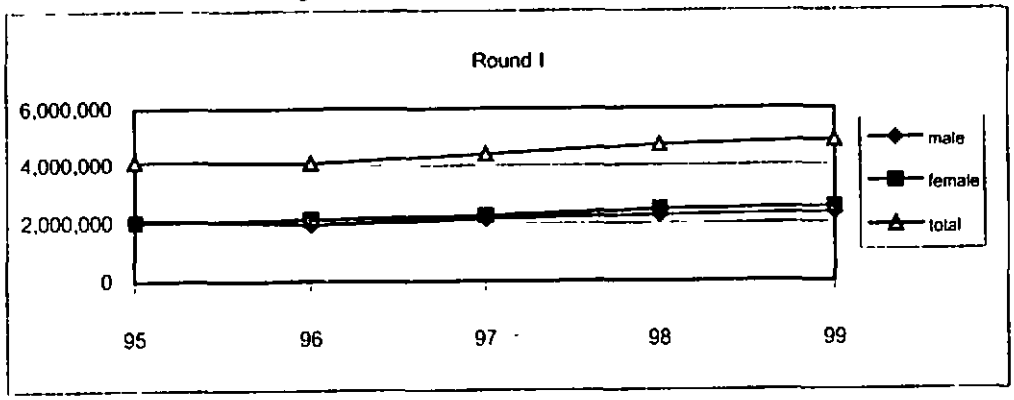


Figure A.1 Employment in services sector



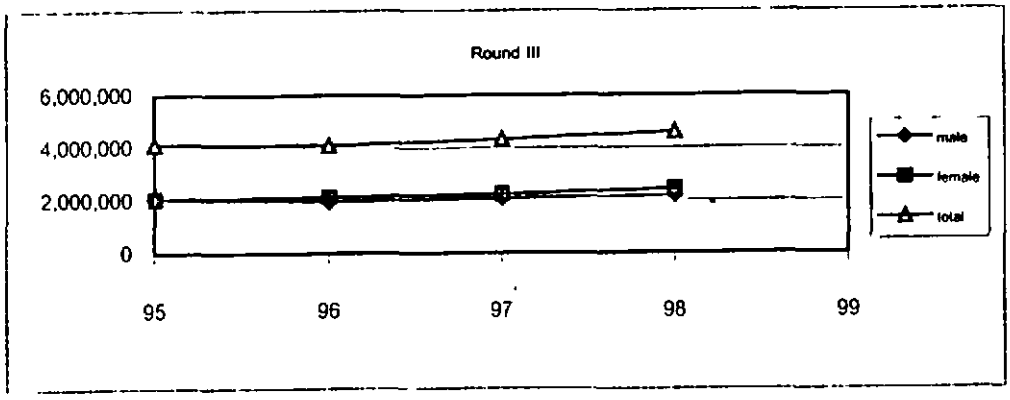
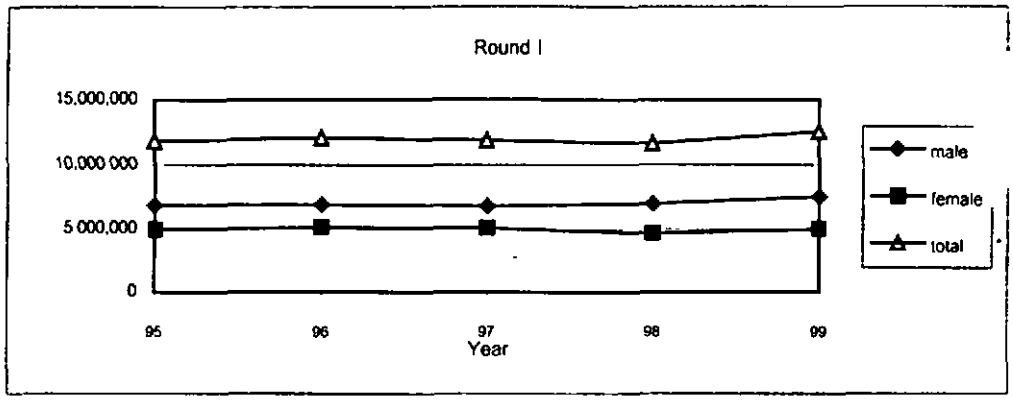


Figure A 1 : Employment in agricultural sector



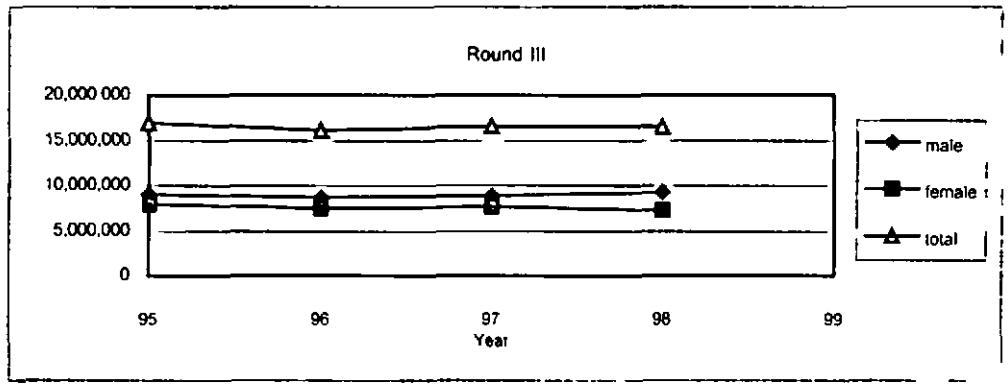
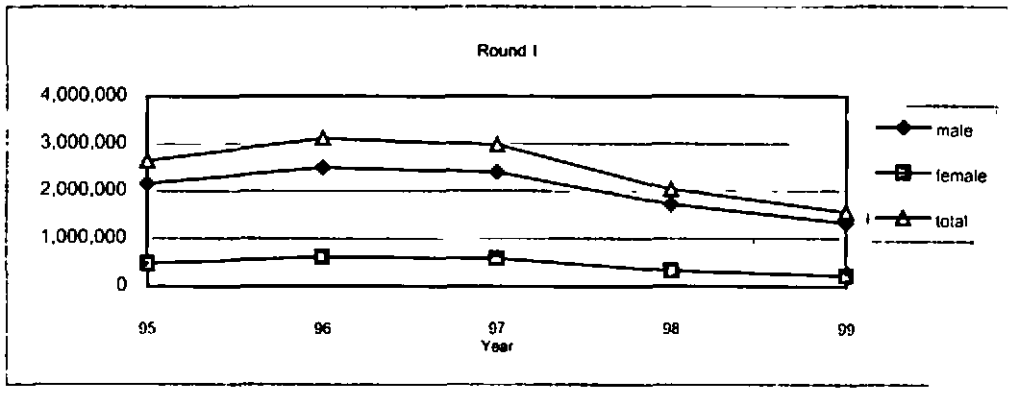


Figure A 1 Employment in construction sector



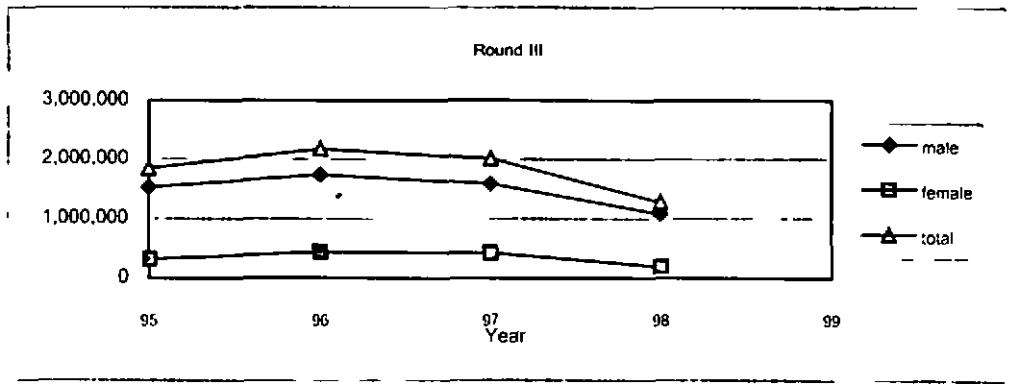
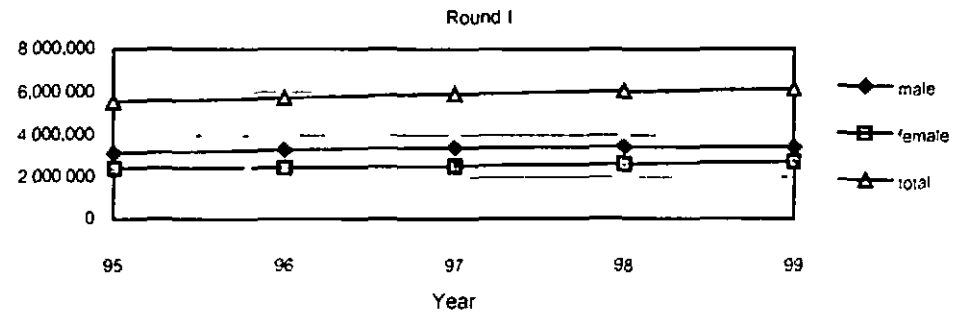


Figure A.1 : Employment in other sectors



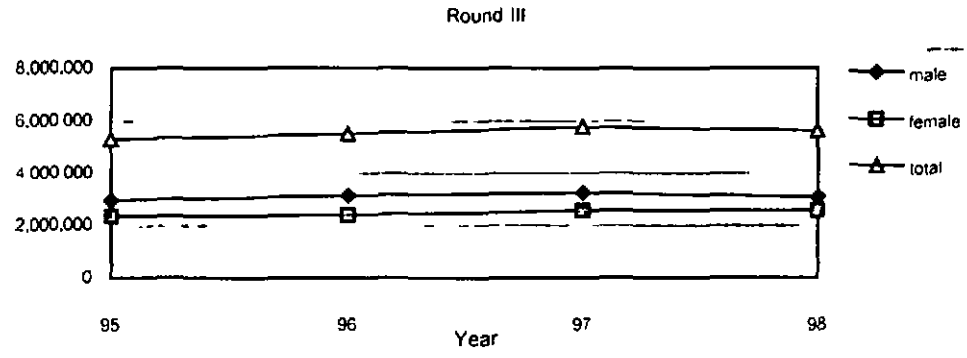
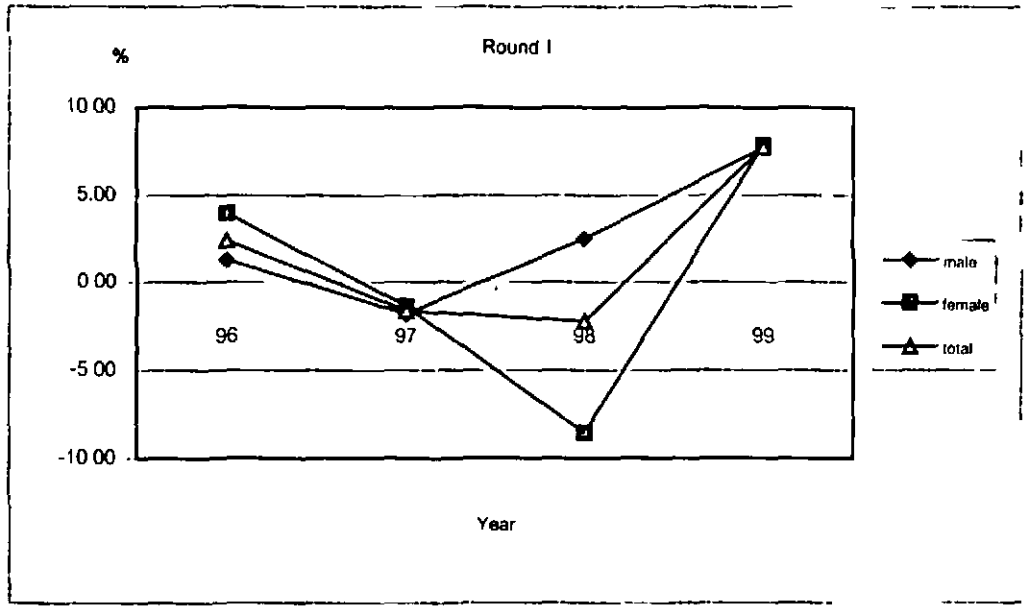


Figure A 1.2 . Growth rate of Employment in agricultural sector



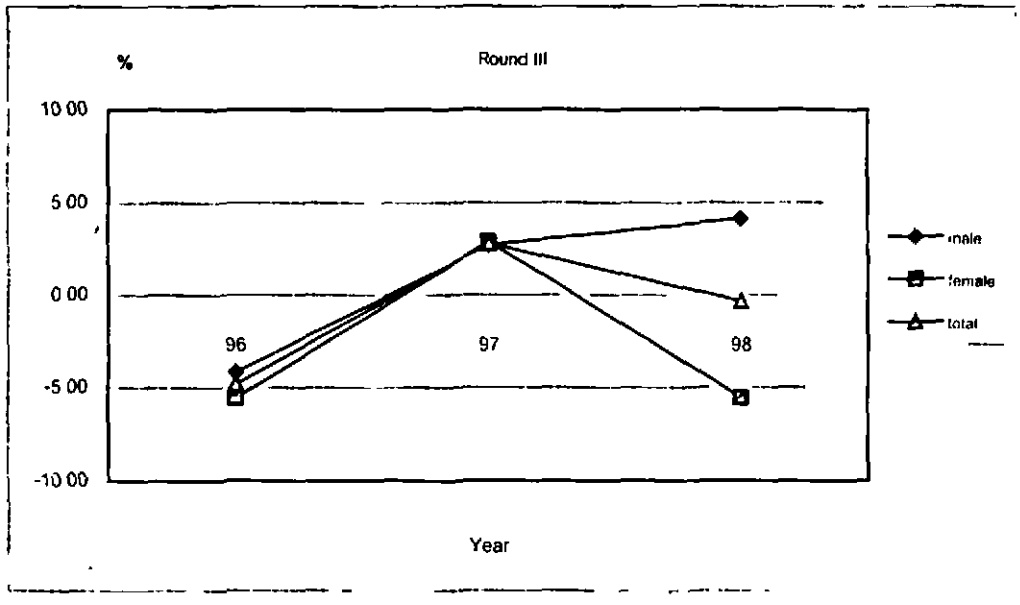
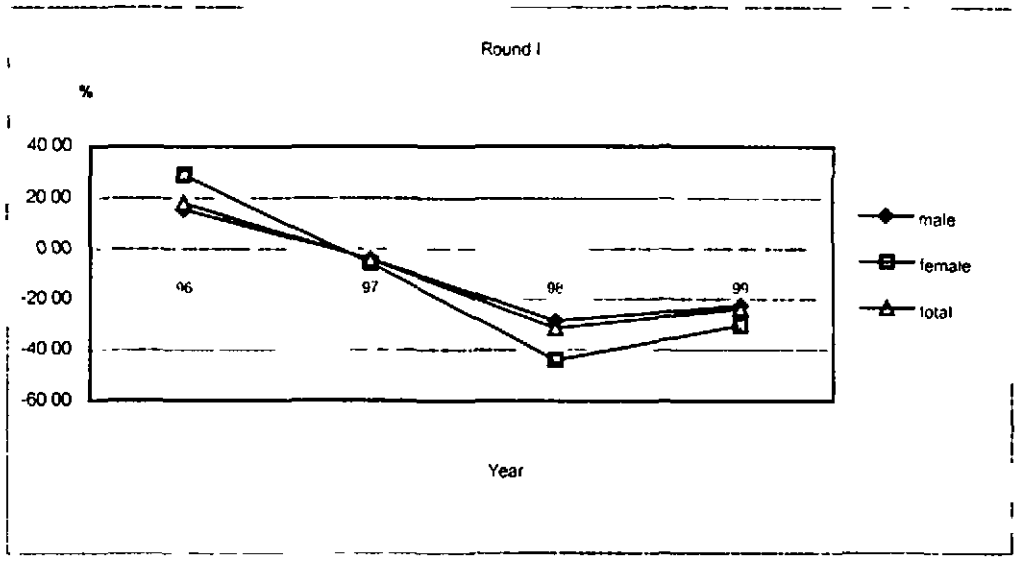


Figure A 1.2 Growth rate of Employment in construction sector



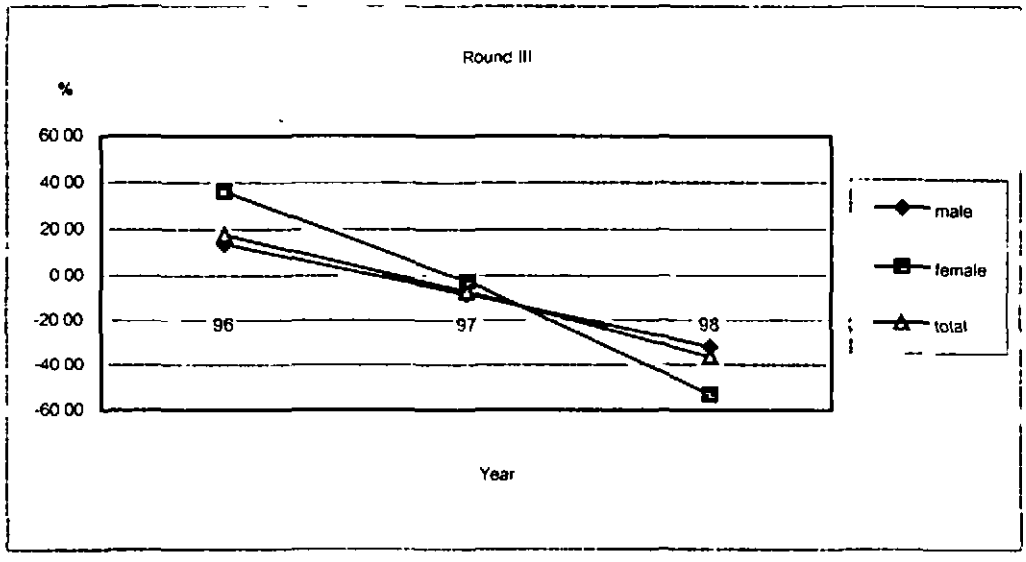
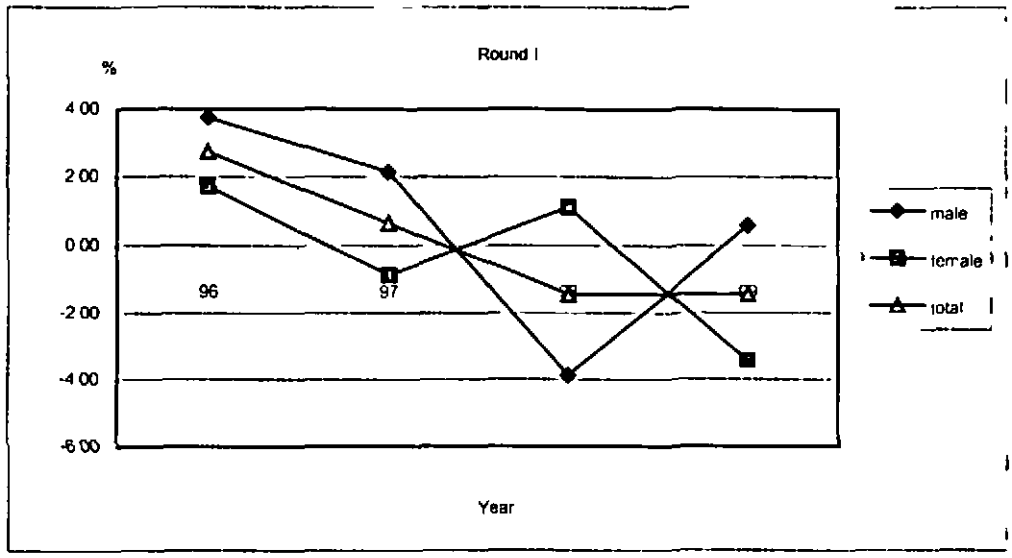


Figure A 1.2 . Growth rate of Employment in manufacturing sector



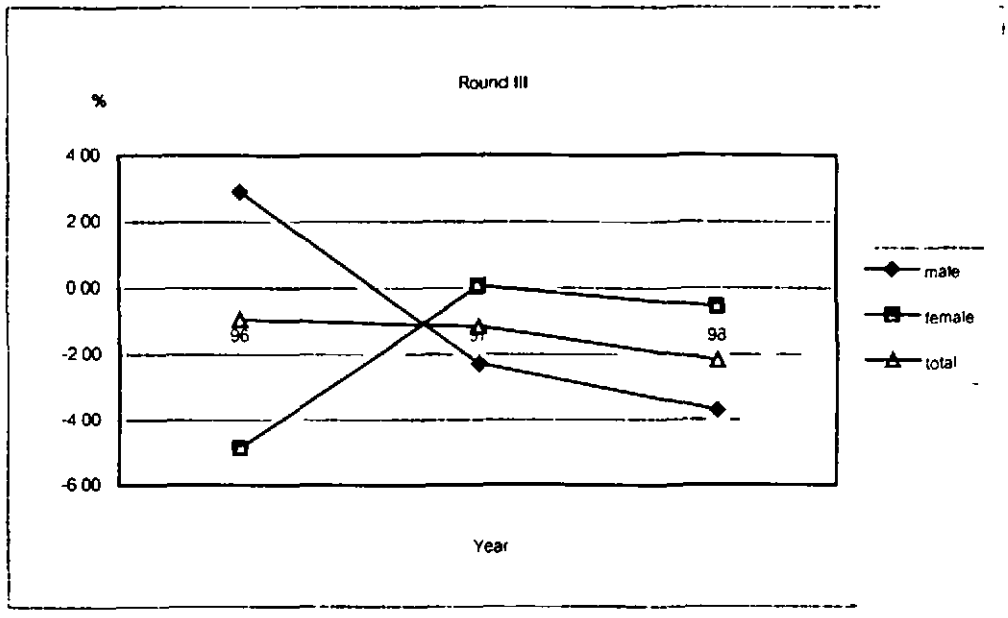
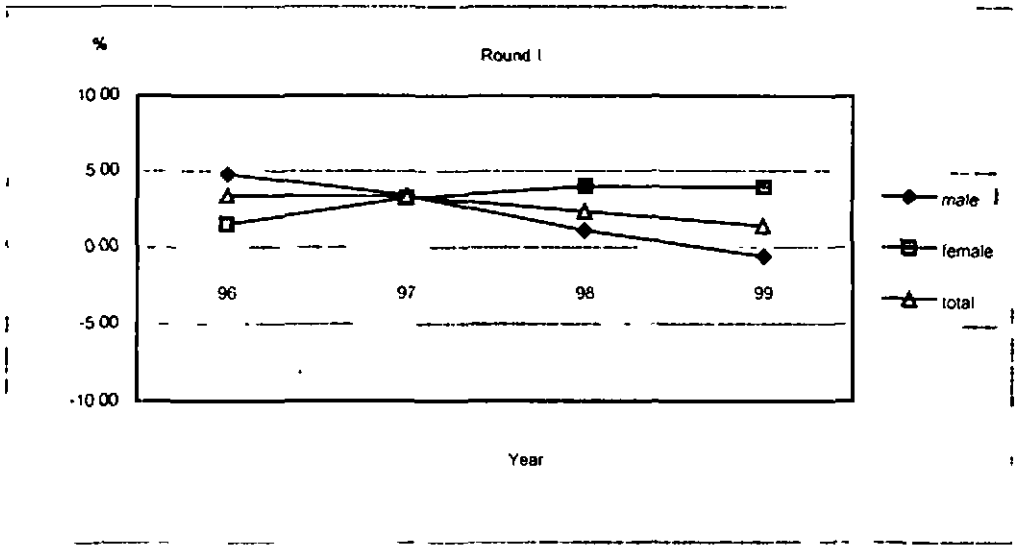


Figure A 1 2 Growth rate of Employment in other sectors



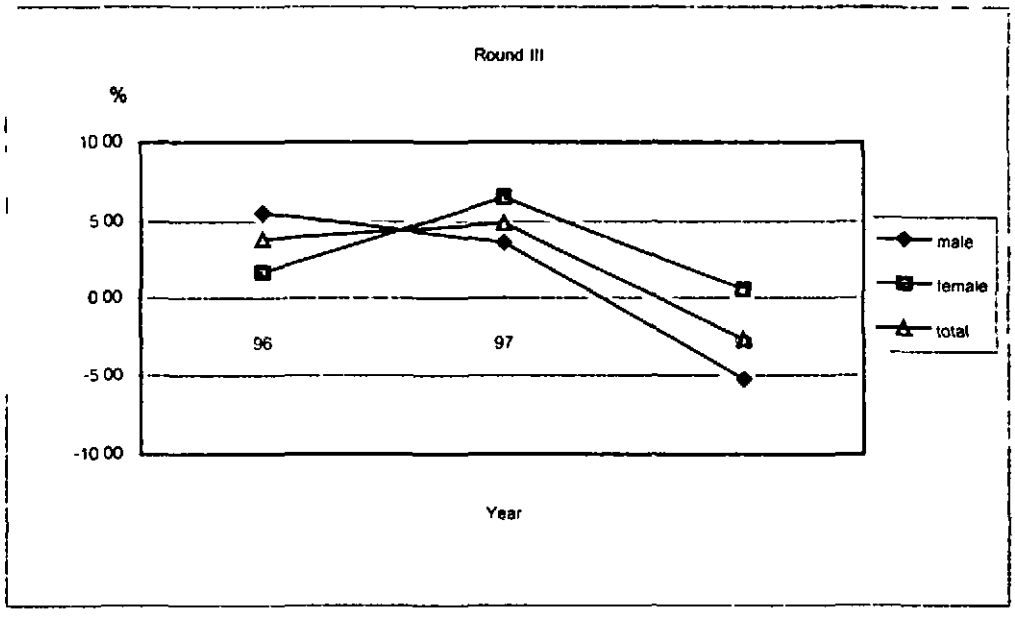
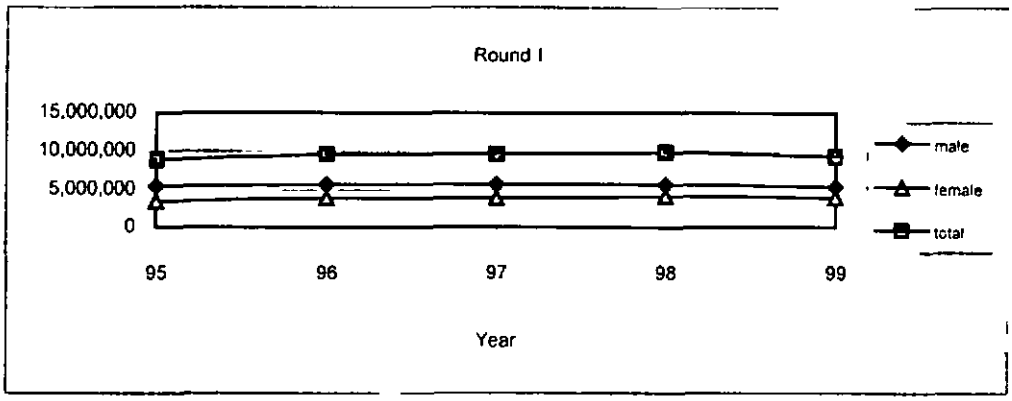


Figure A.2 : Employed persons in formal sector



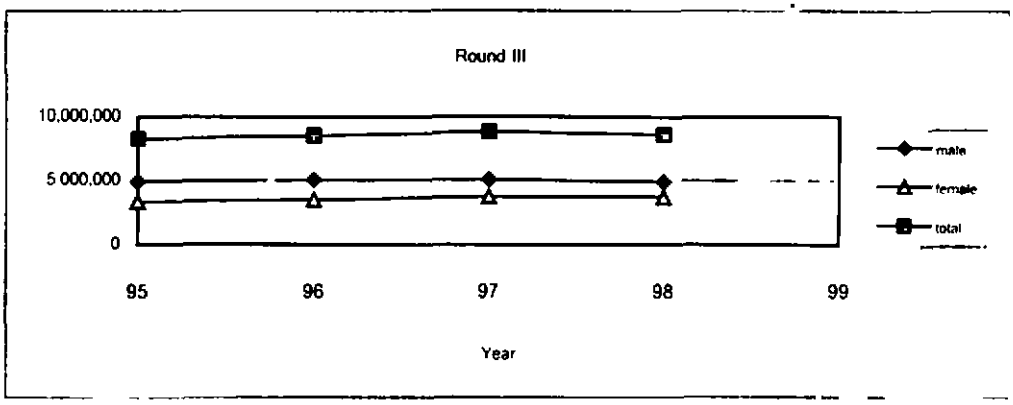
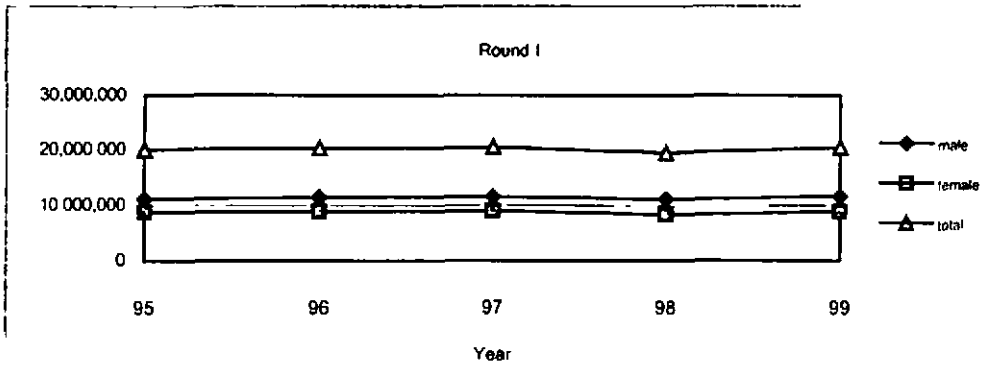


Figure A 2 · Employed persons in informal sector



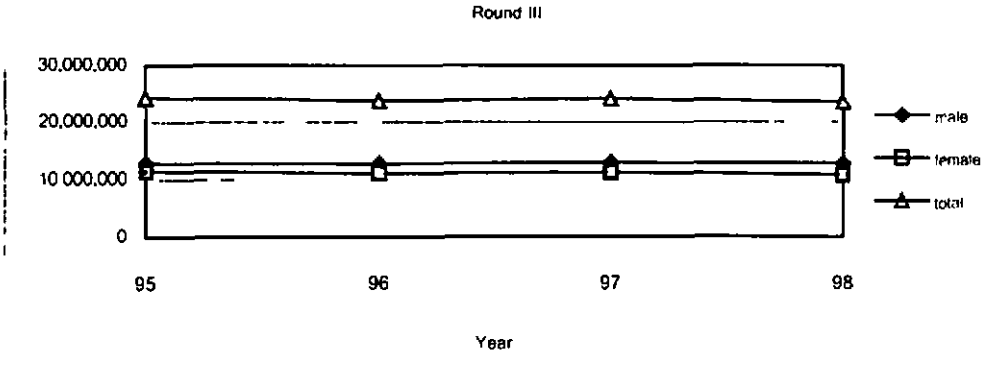


Figure A 2 2 : Employed Persons in Formal Sector (growth rate, %)

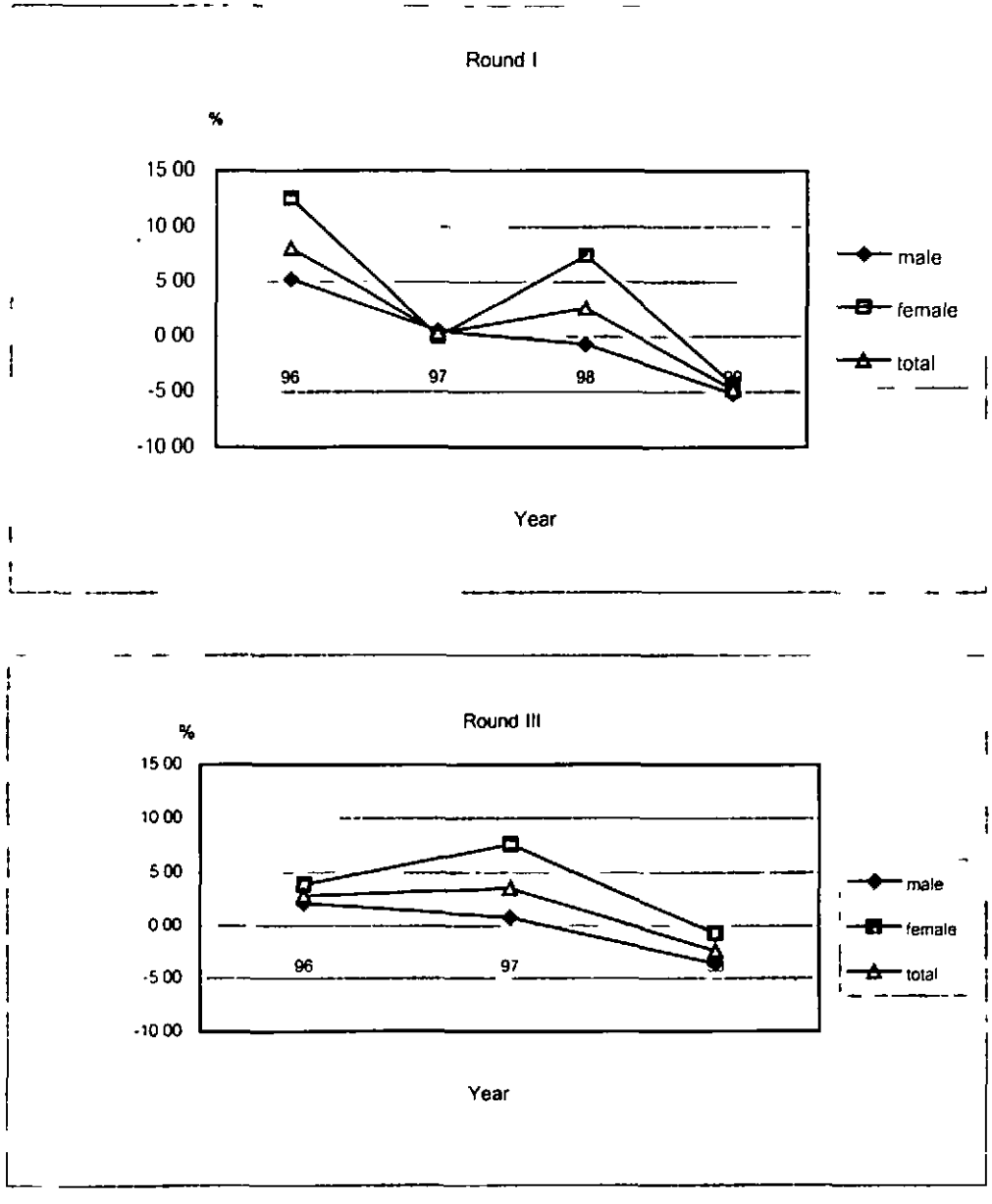
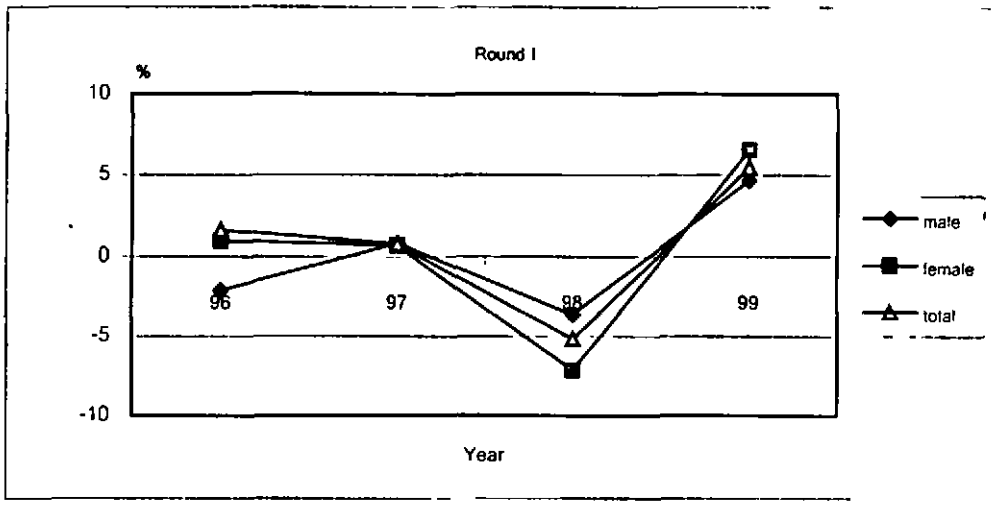


Figure A'2 2 : Employed Persons in Informal Sector(growth rate, %)



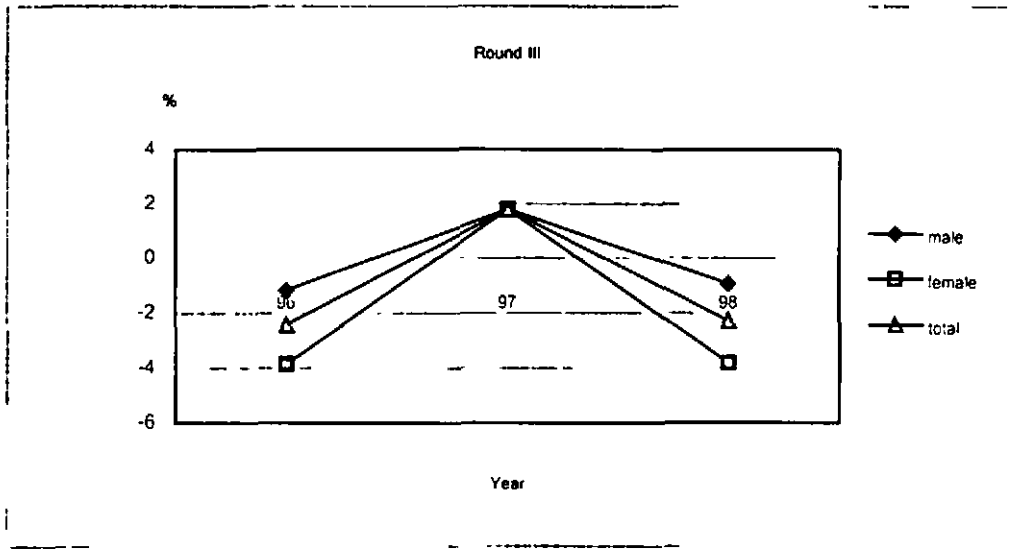
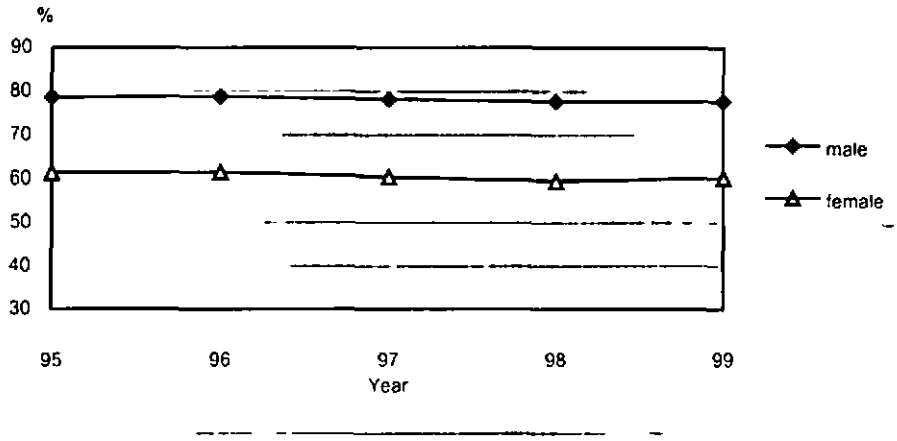


Figure A 3 : Labor force participation rate (%)

Round I



Round III

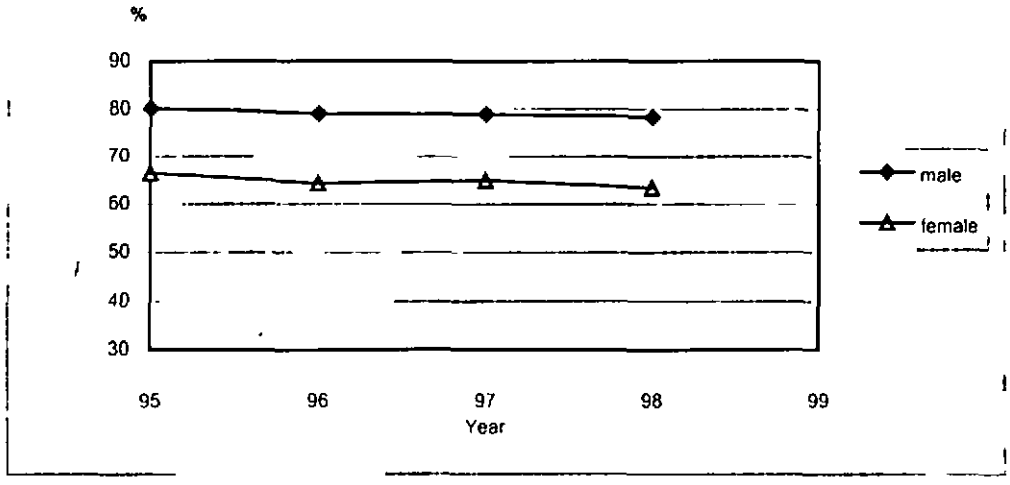
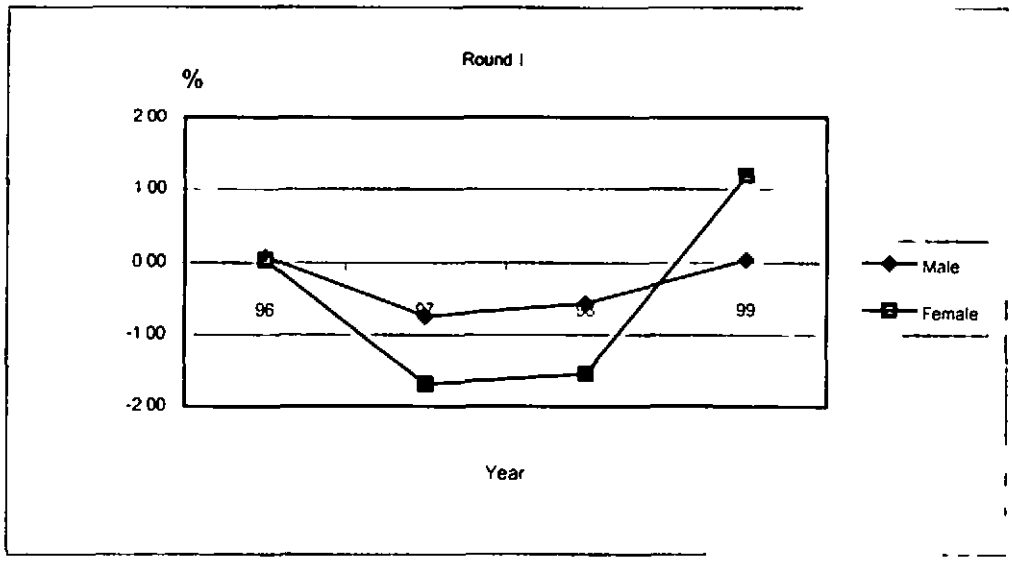


Figure A 3 1 · Growth rate of Labor force participation rate (%)



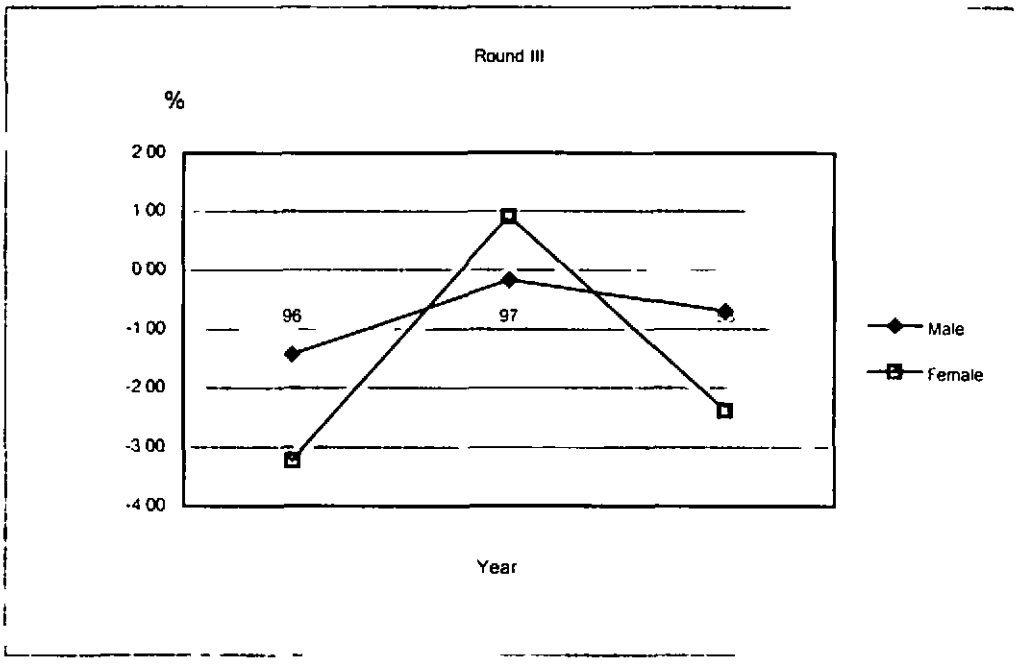
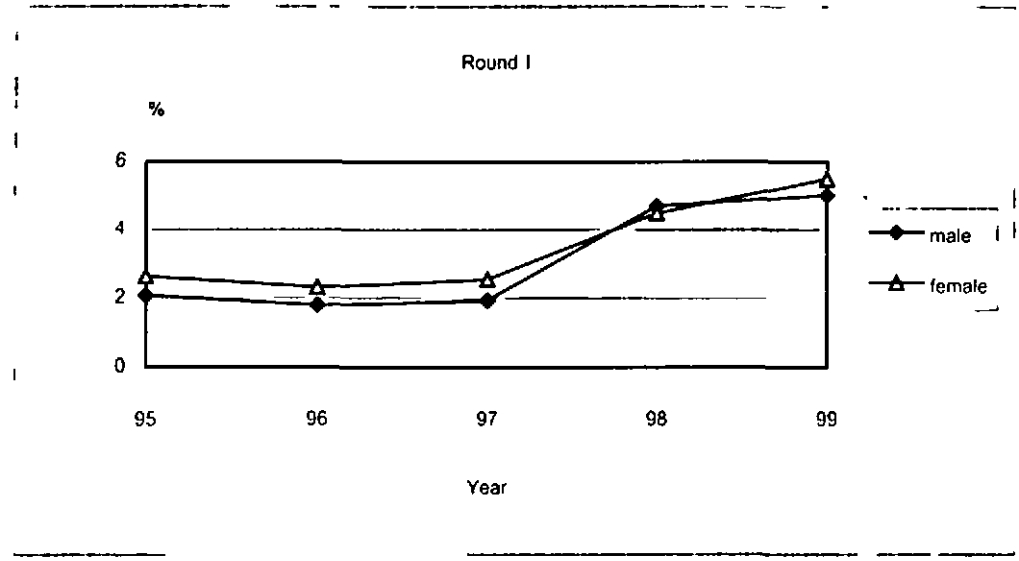


Figure A 4 Unemployment rate (%)



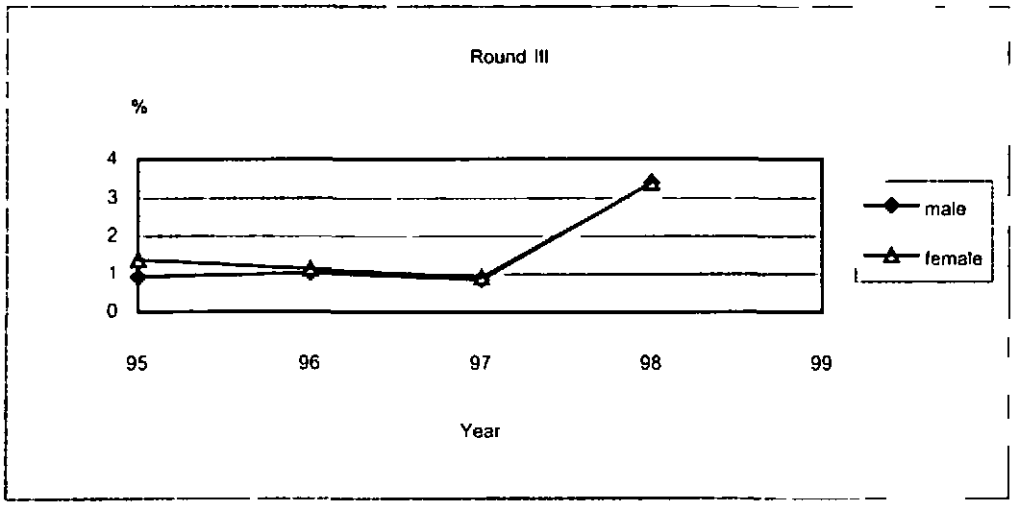
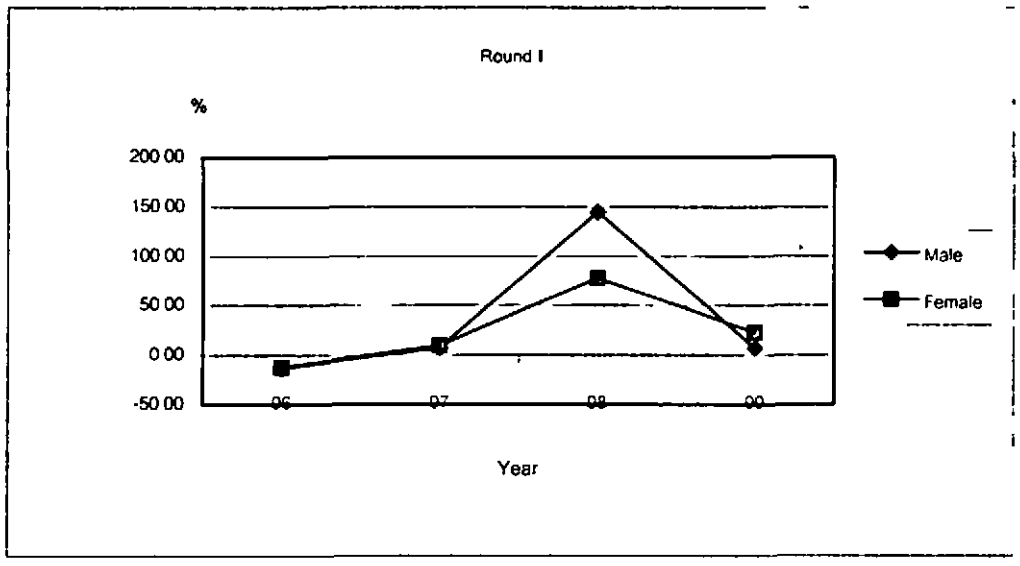


Figure A. 4 1 .Growth rate of unemployment rate (%)



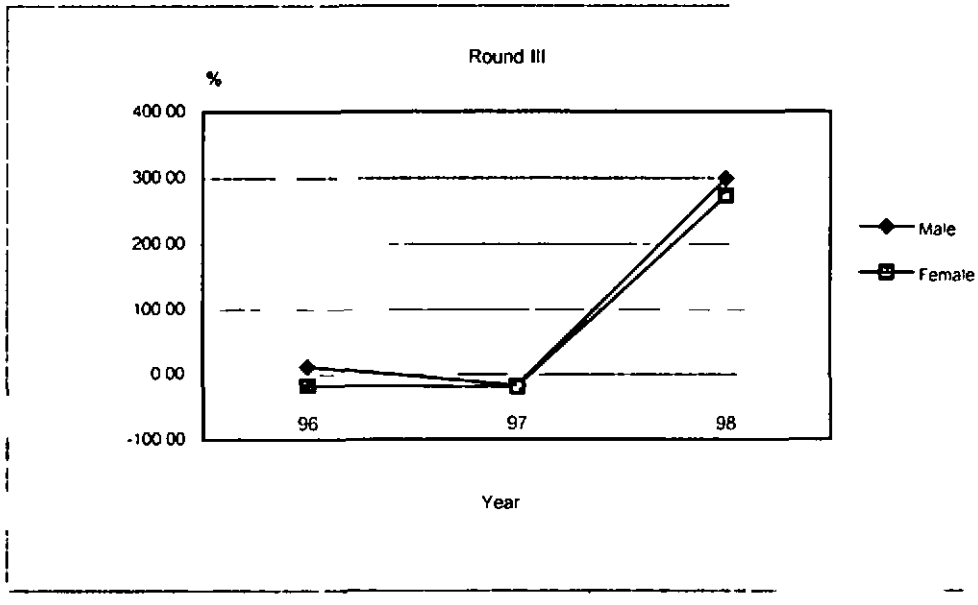
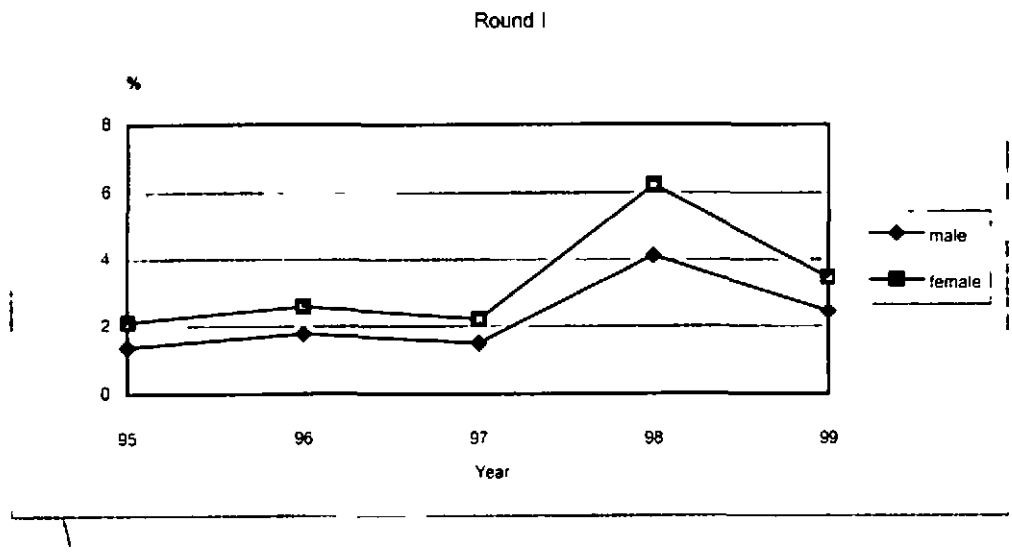


Figure 5 Proportion of underemployed workers (%)



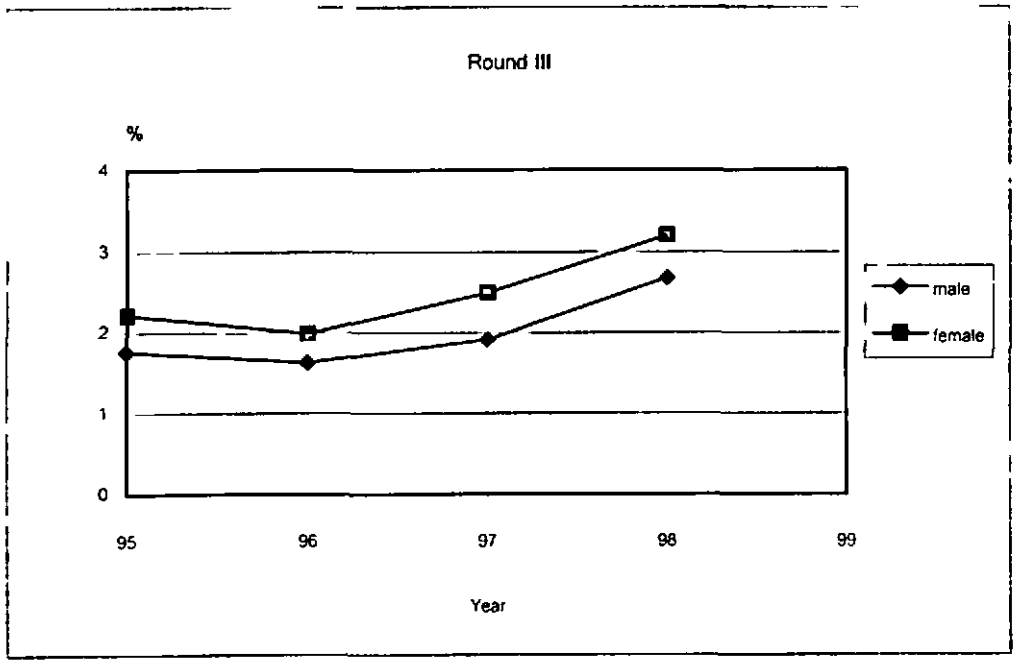
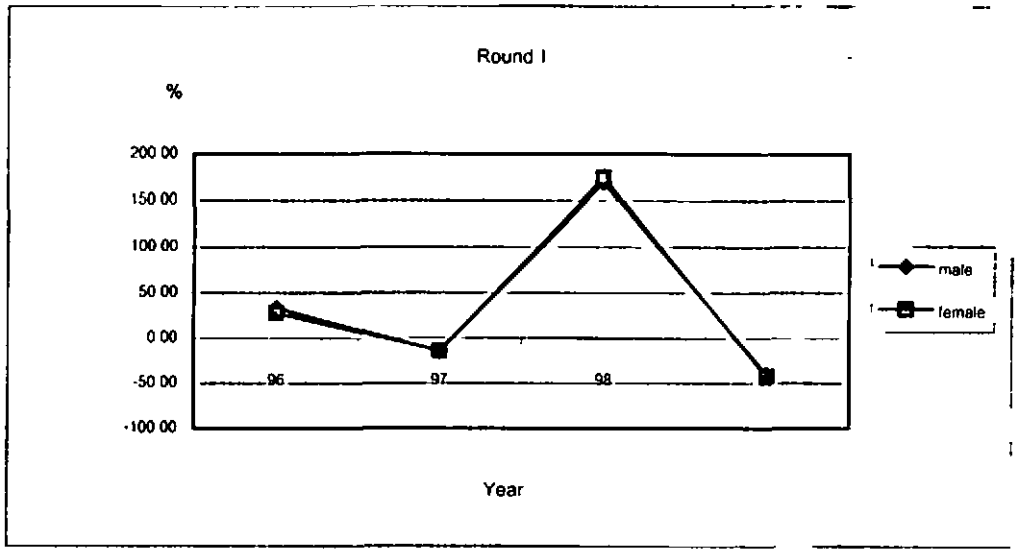


Figure A. 5.1 : Growth rate of underemployed workers (%)



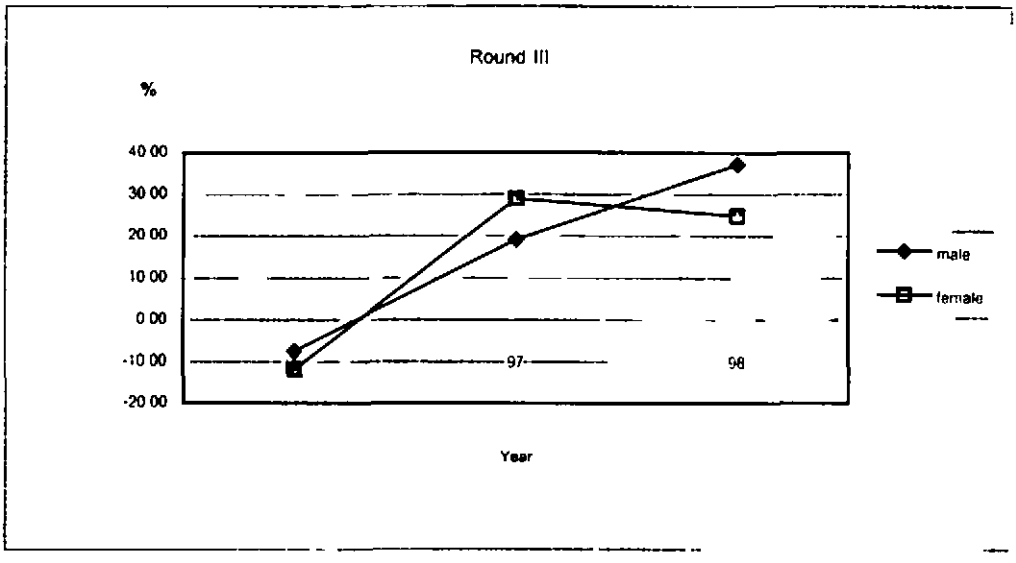


Figure A .6 : Mean of time looking for work for unemployed persons (days)

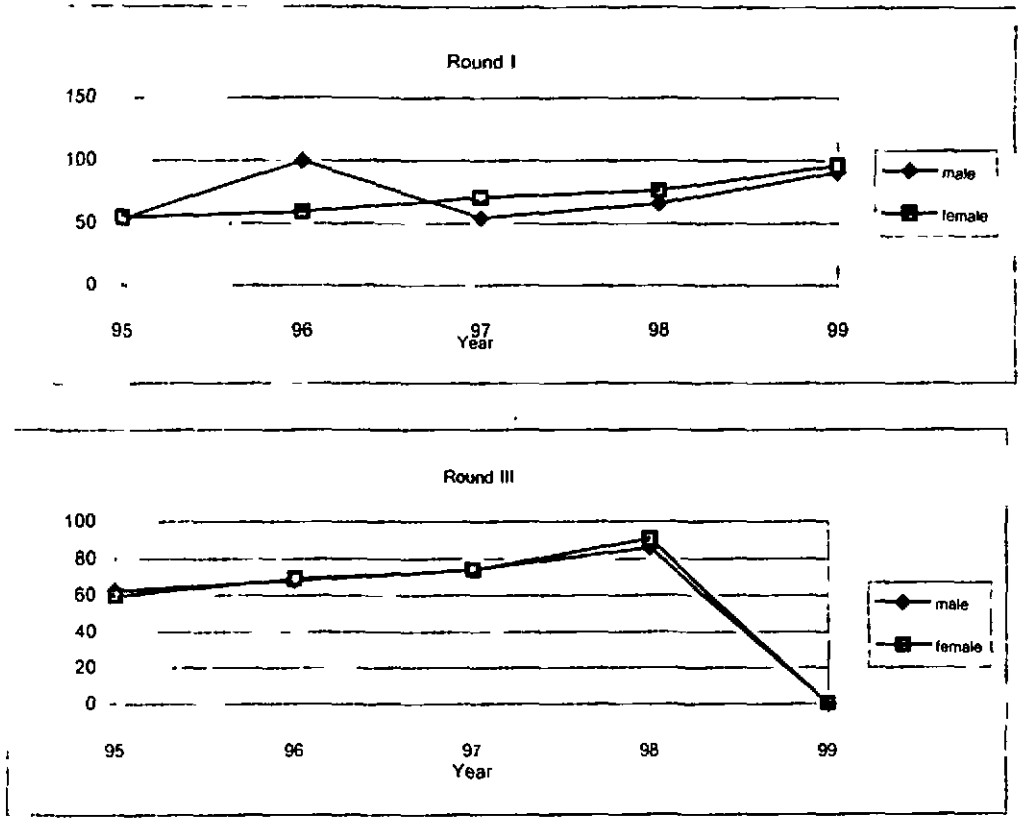


Figure A. 6 · Standard deviation of time looking for work for unemployed persons

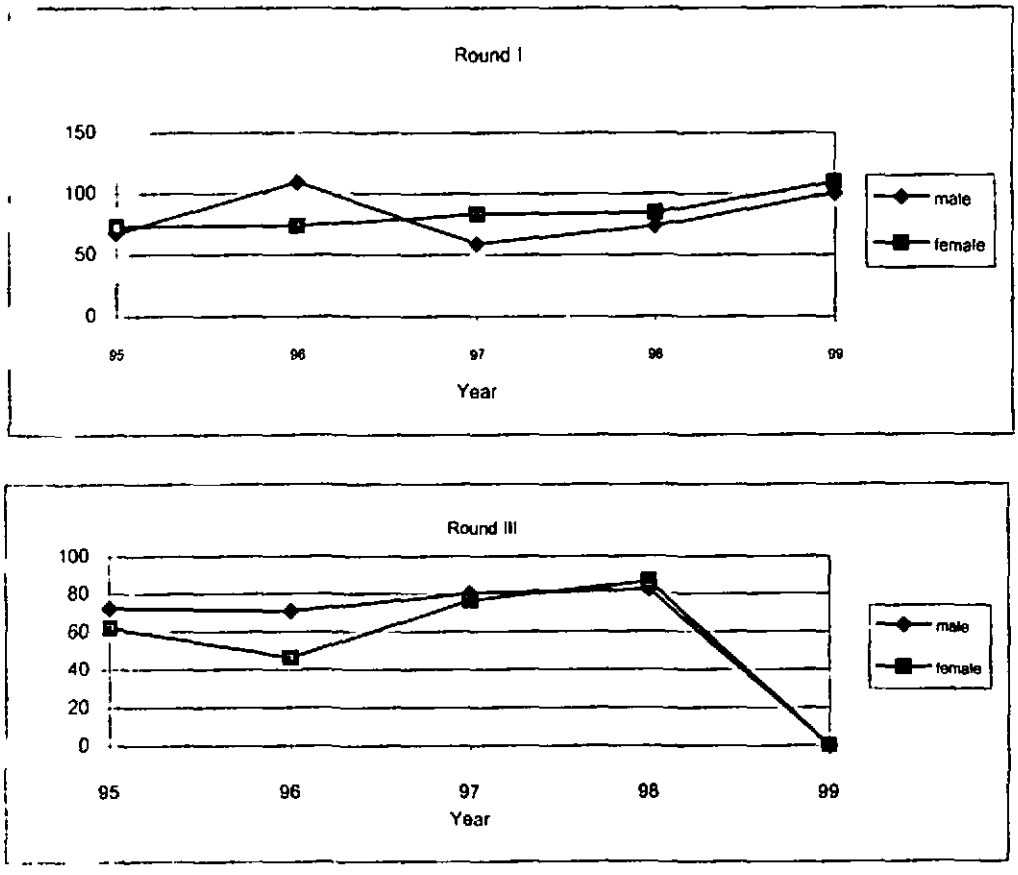
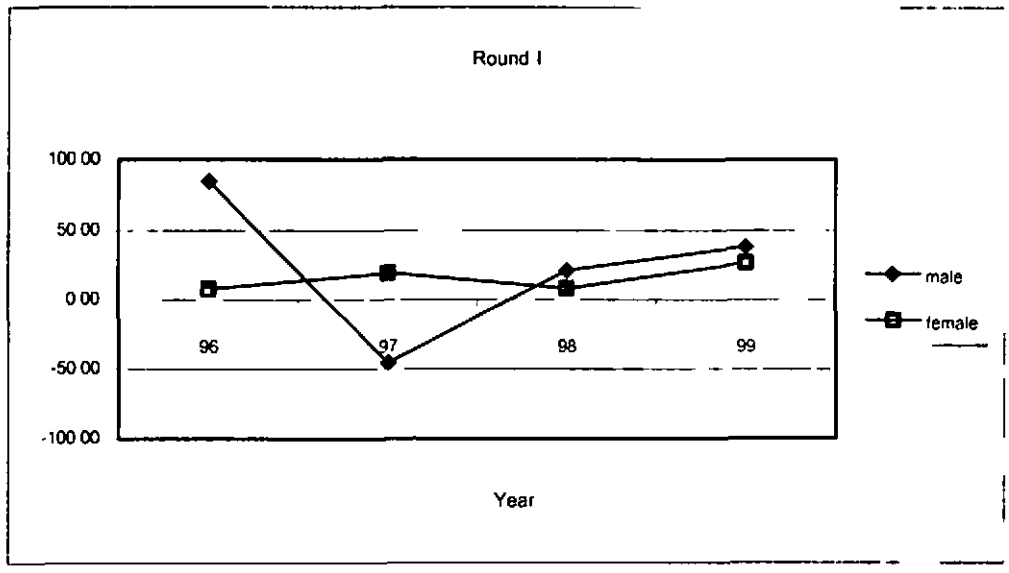


Figure A 6 1 'Growth rate of Mean of time looking for work for unemployed persons (days)



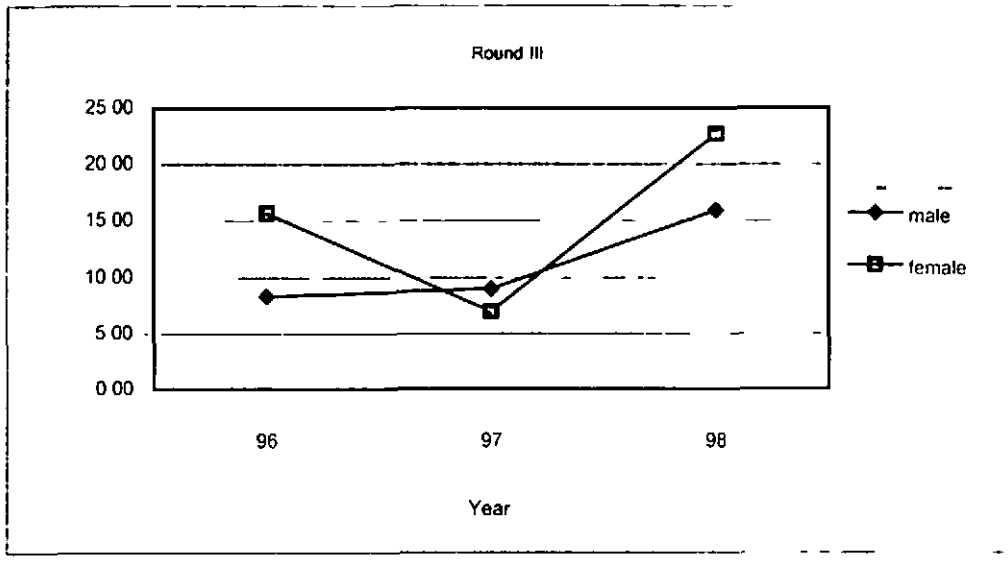


Figure A 6 1 Growth rate of Standard deviation of time looking for work for unemployed persons

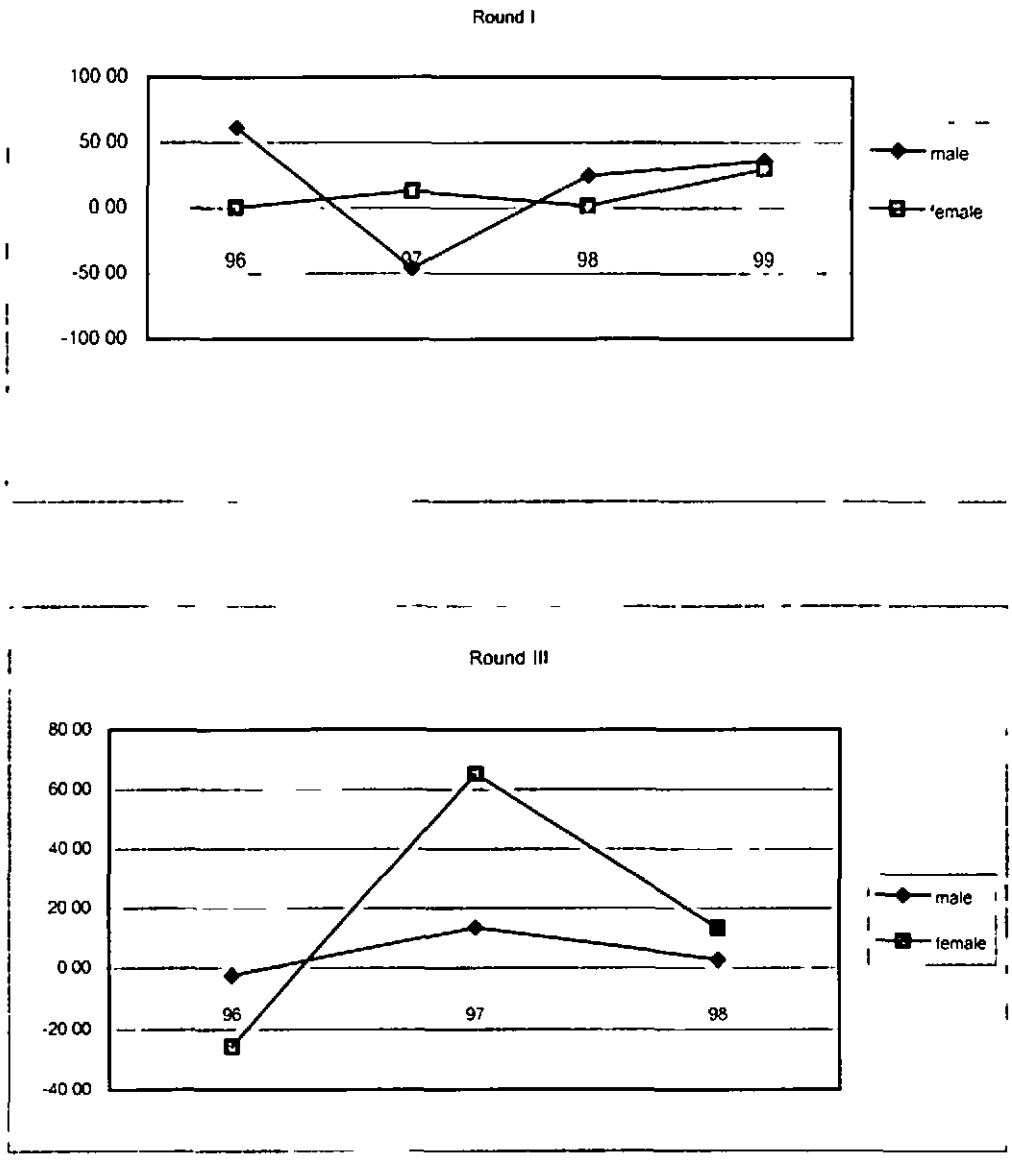
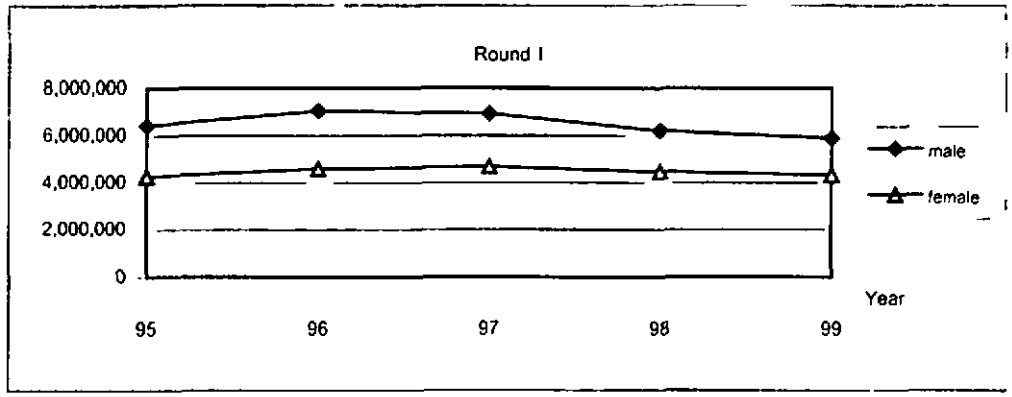


Figure A 7 Private Employee



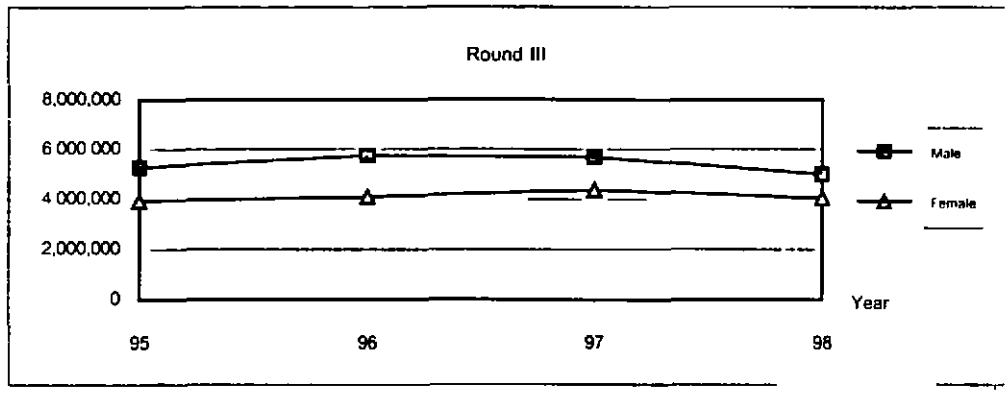
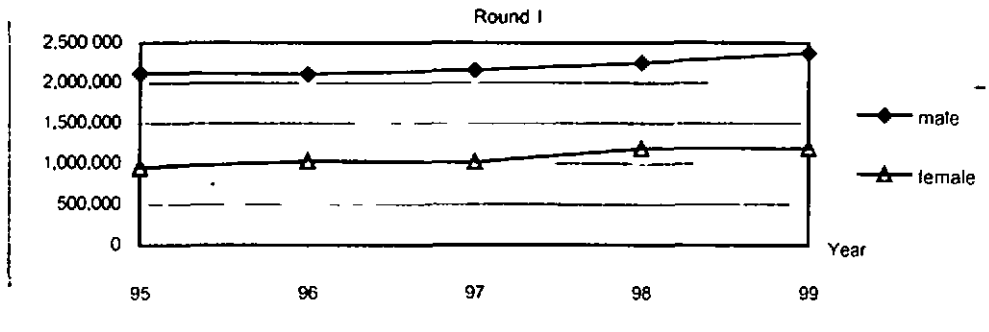


Figure A 7 . Employer and Government Employee



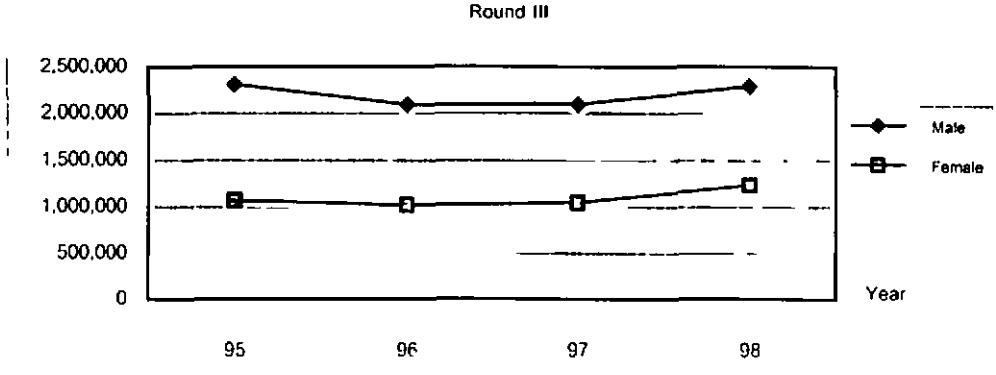
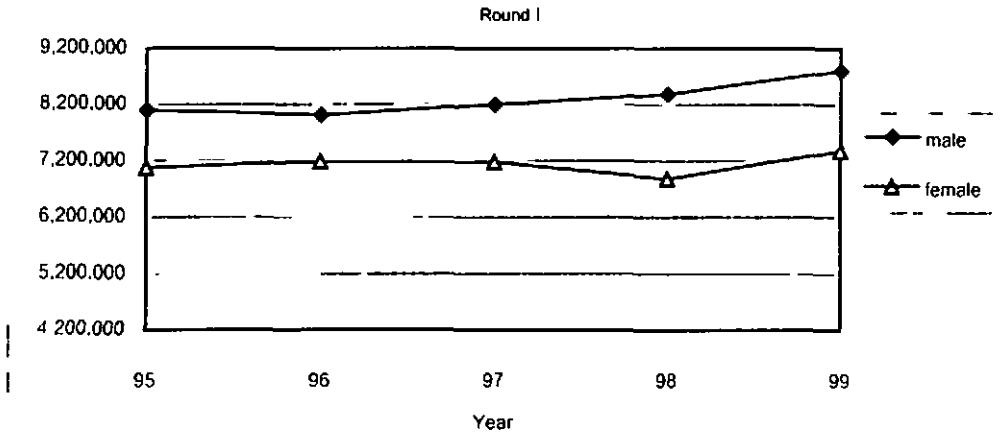


Figure A 7 : Own Account Worker and Unpaid Family Worker



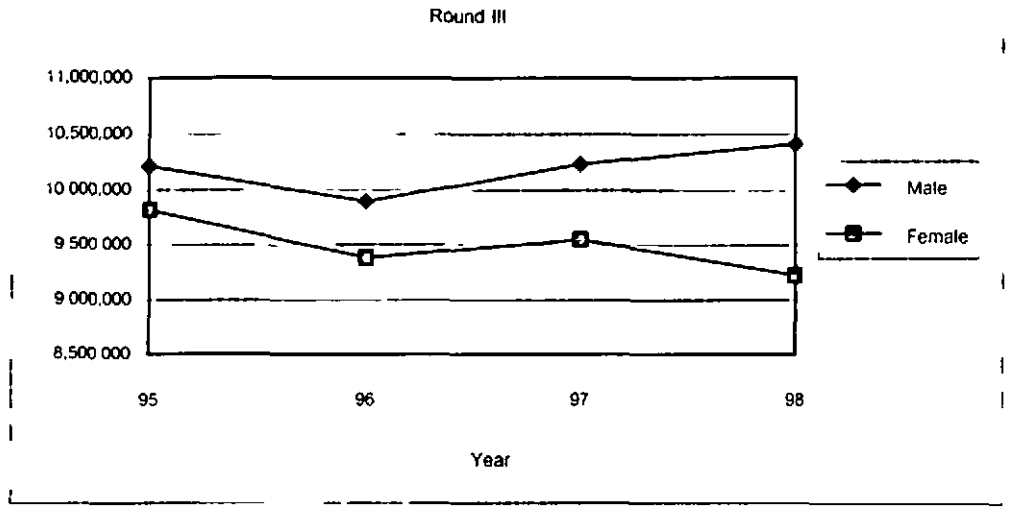
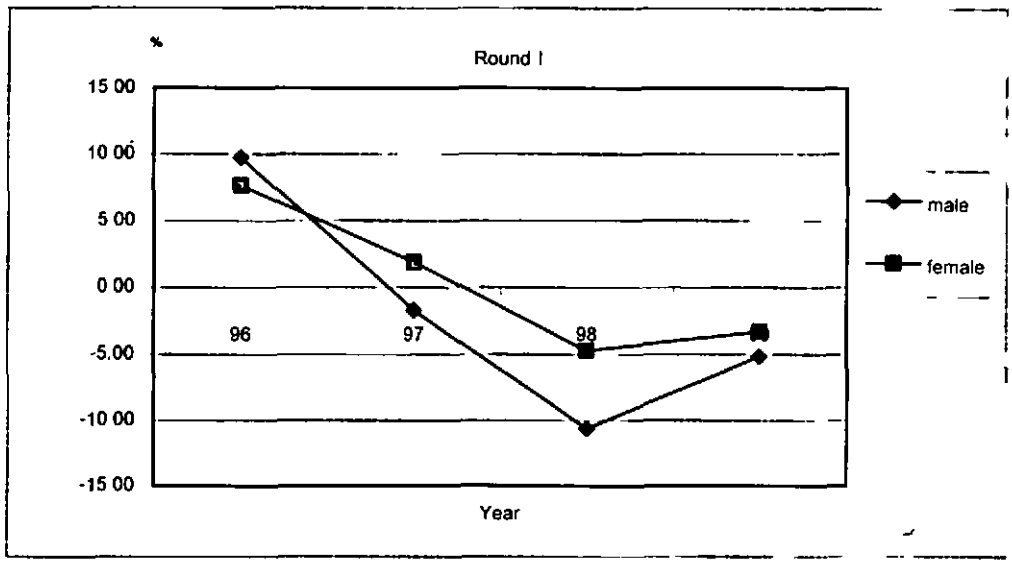


Figure A 7 2 : Growth rate of private employee



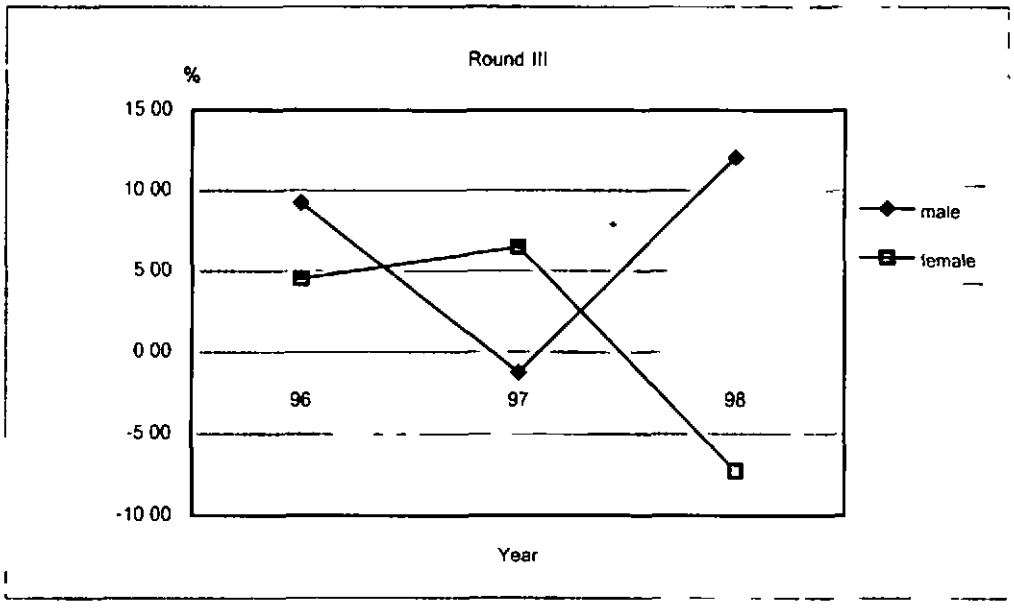
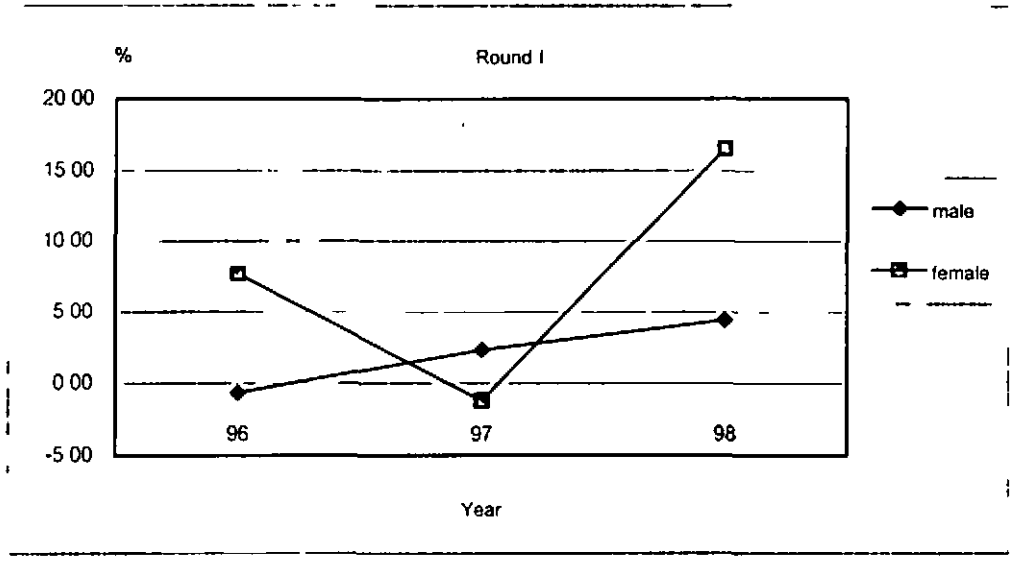


Figure A 7 2 Growth rate of Employer and Government Employee



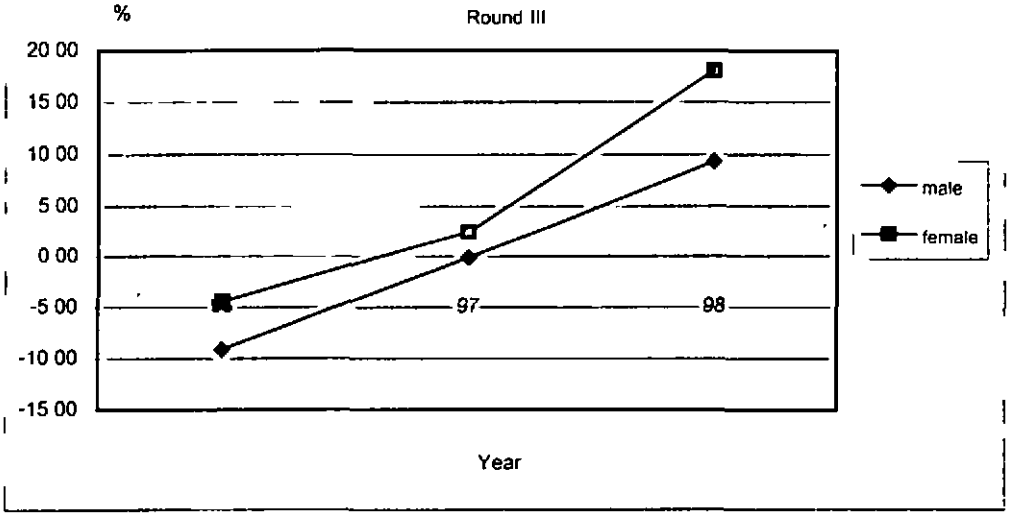
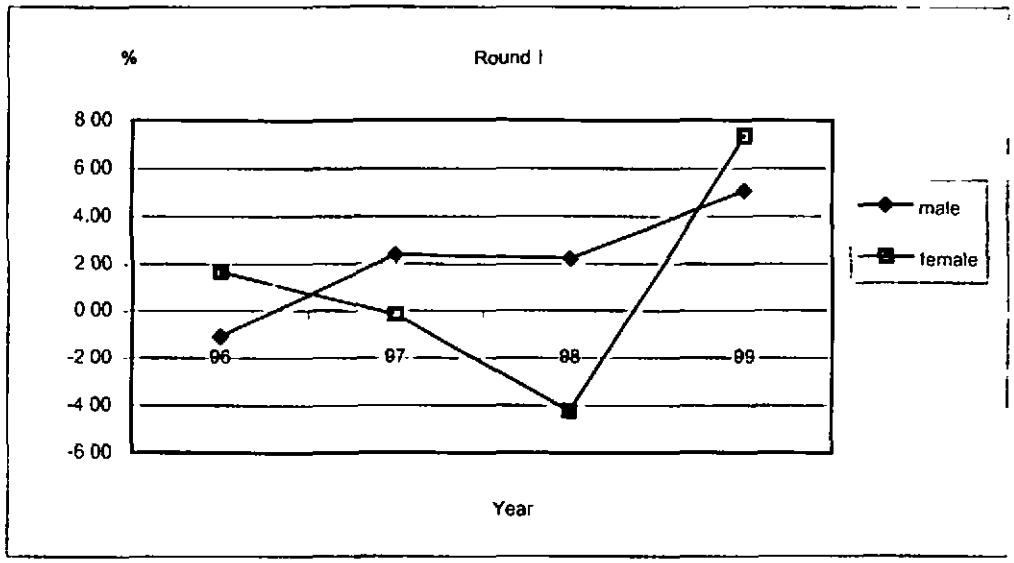


Figure A 7 2 . Growth rate of Own Account Worker and Unpaid Family Worker



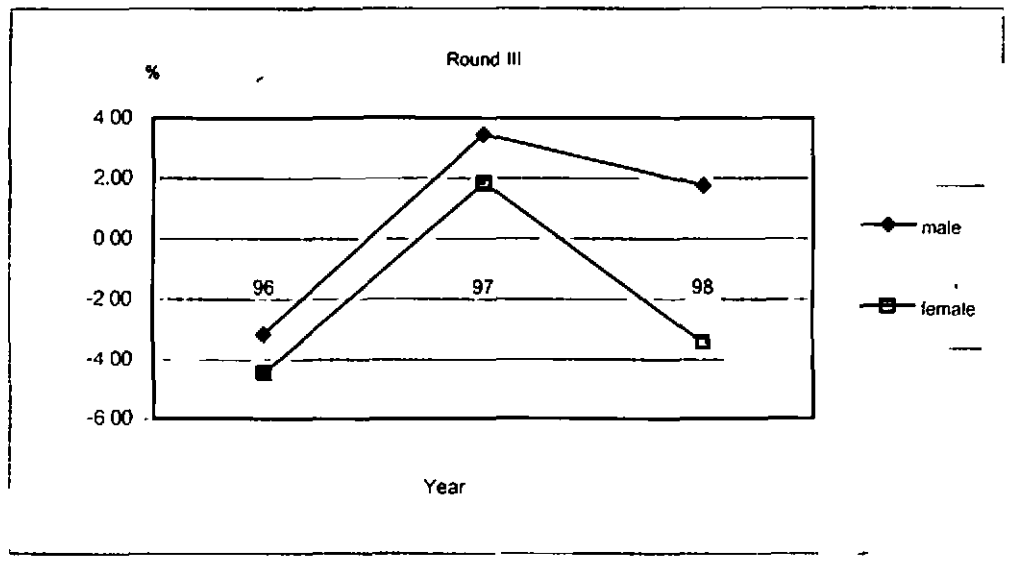
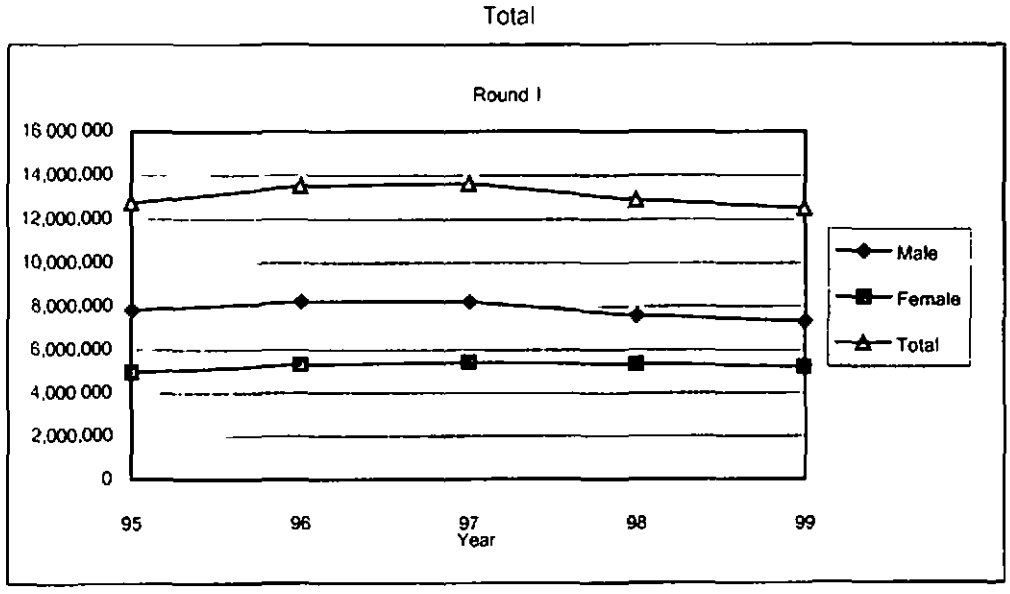


Figure A 8 . Employed Persons with Real Wage Rates >0



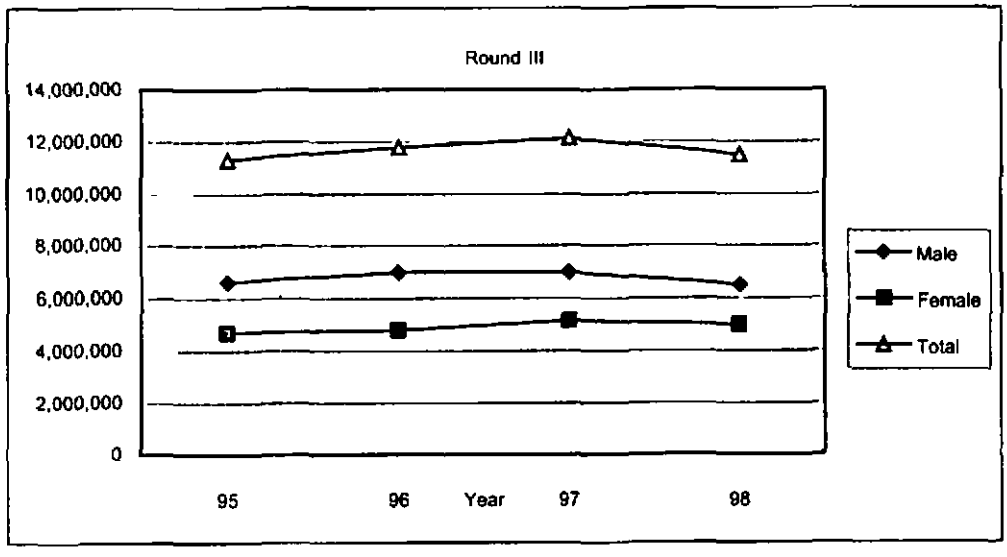
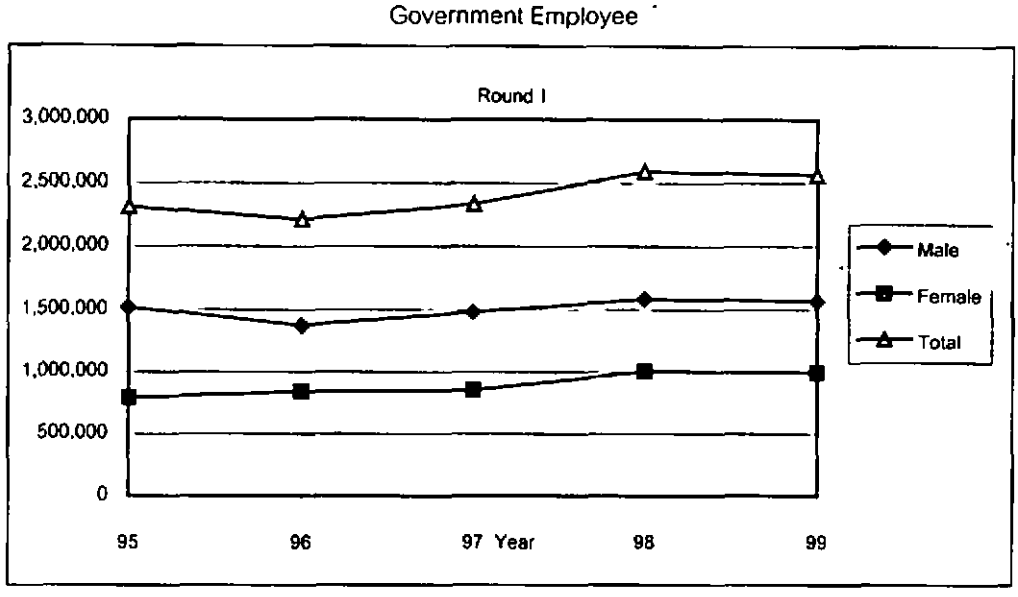


Figure A.8 Employed Persons with Real Wage Rates >0



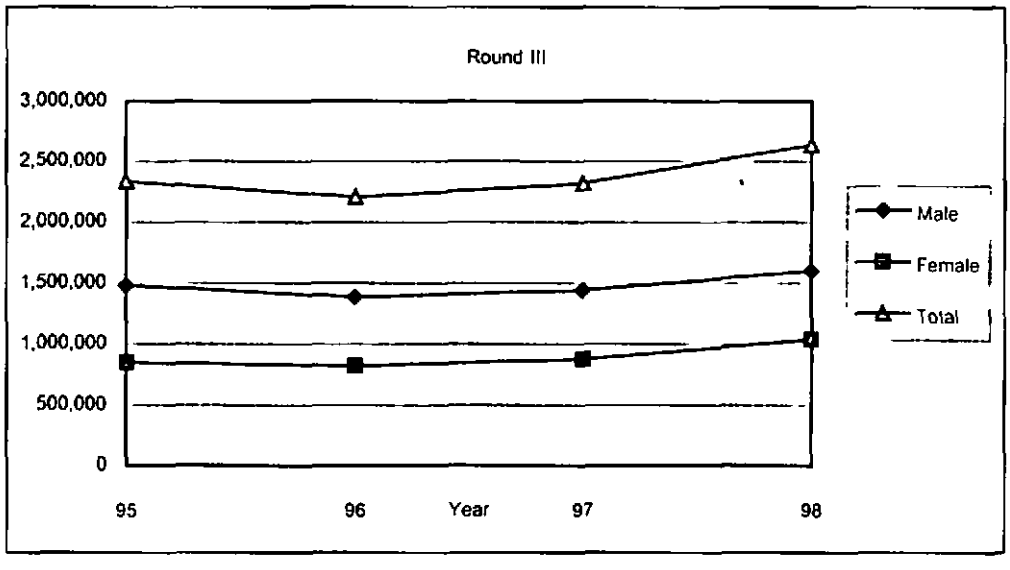
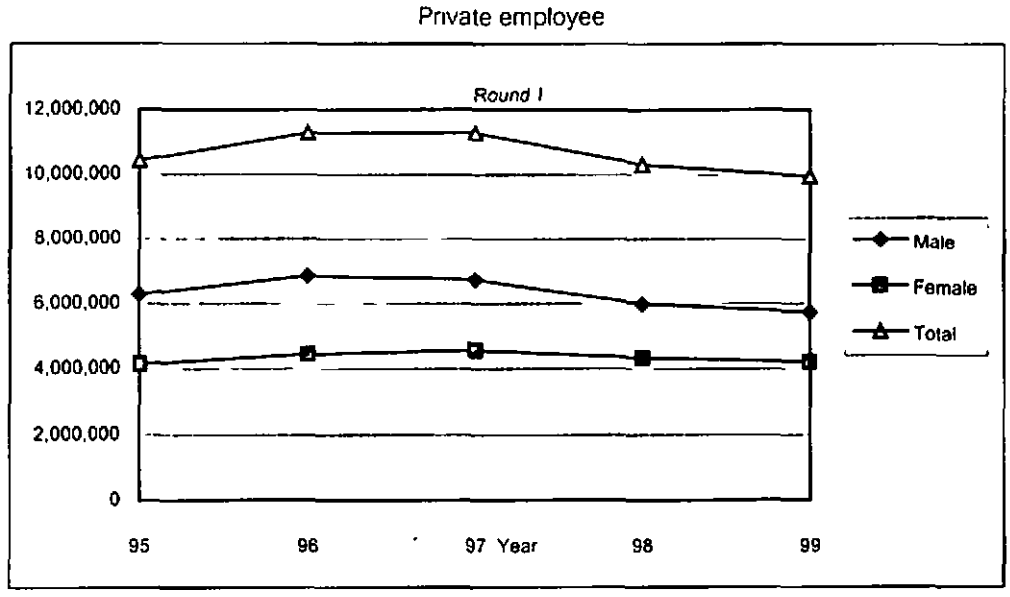


Figure A 8 . Employed Persons with Real Wage Rates >0



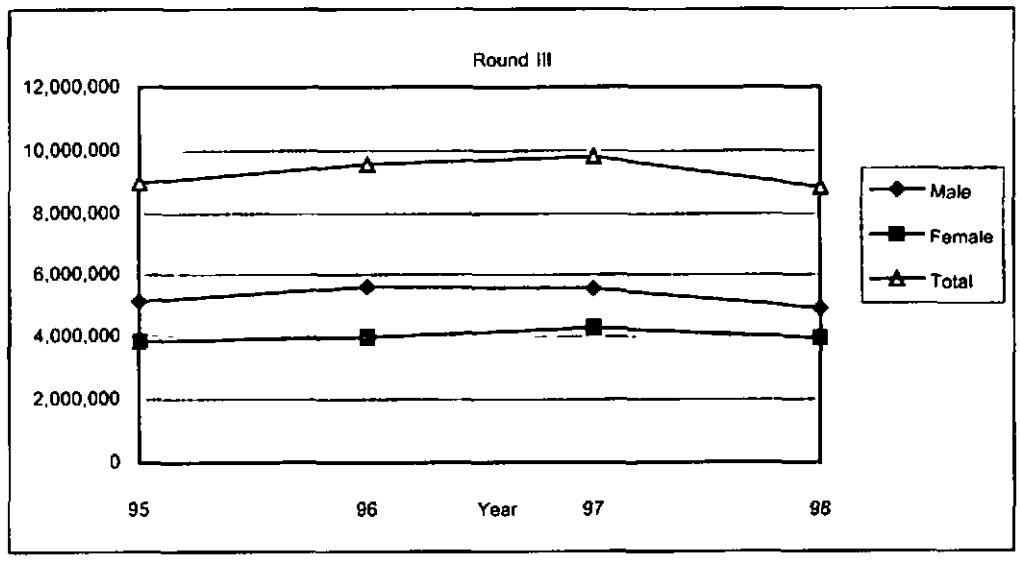
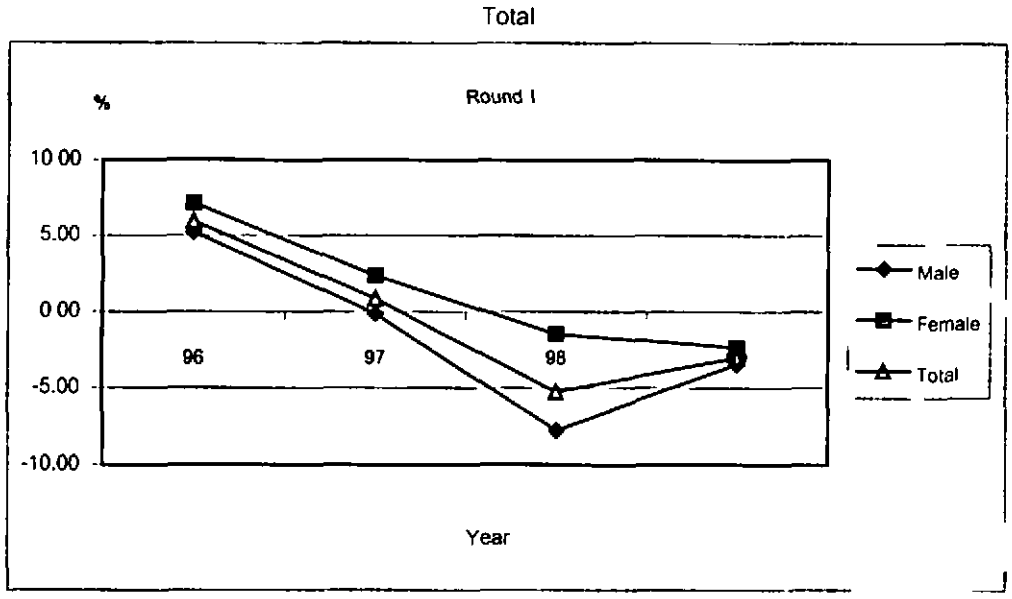


Figure A.8 .2 Employed Persons with Real Wage Rates >0 (growth rate, %)



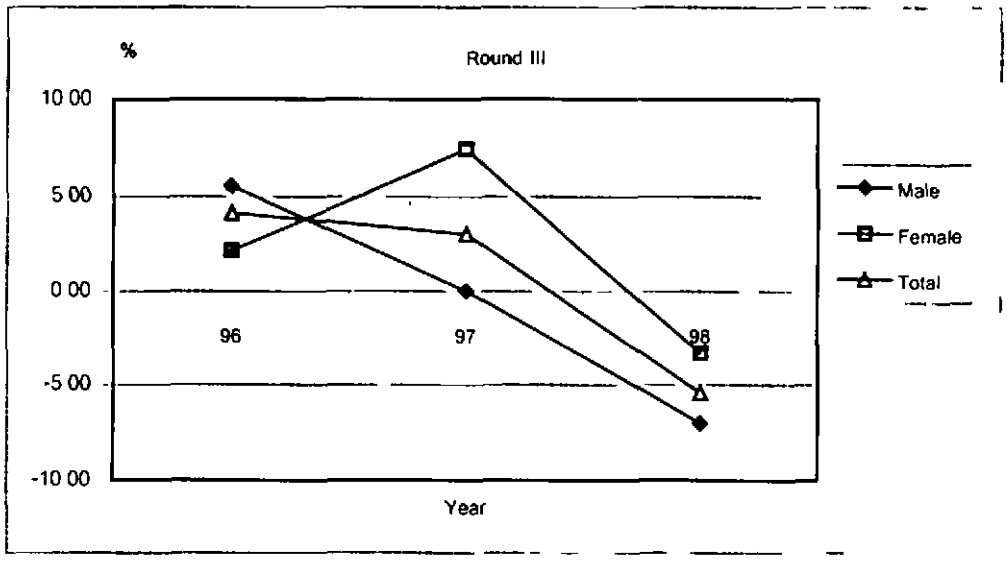
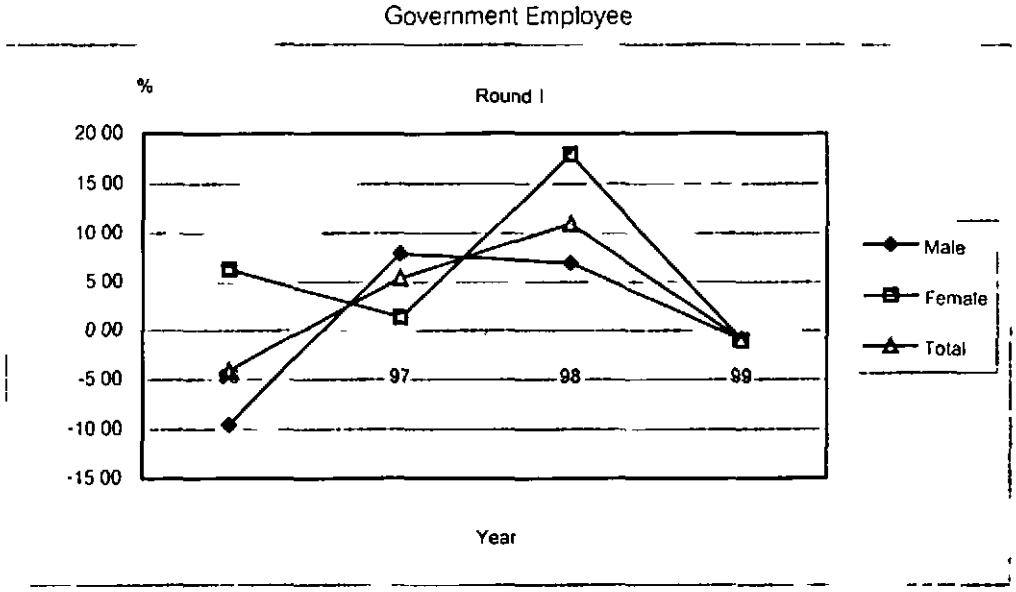


Figure A 8 2 Employed Persons with Real Wage Rates >0 (growth rate, %)



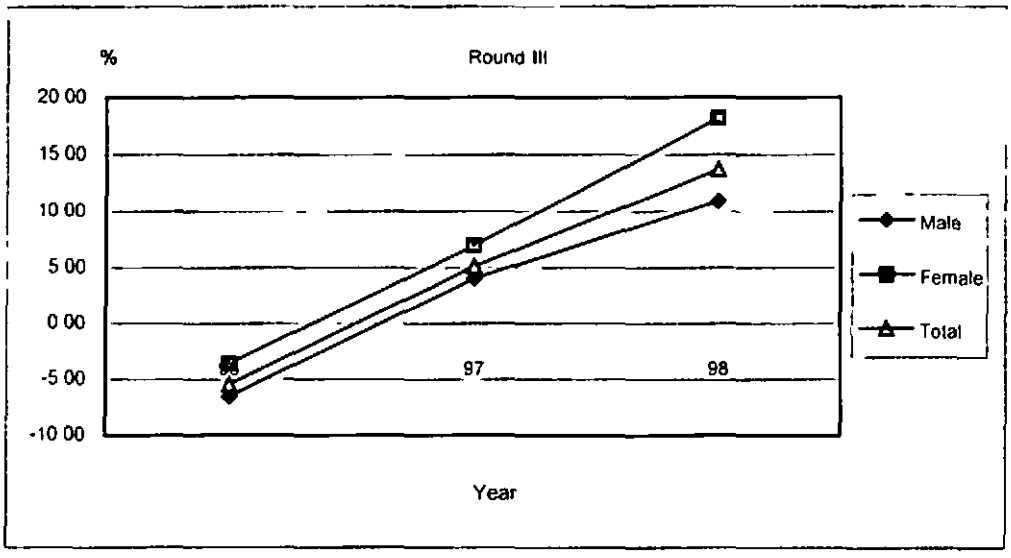
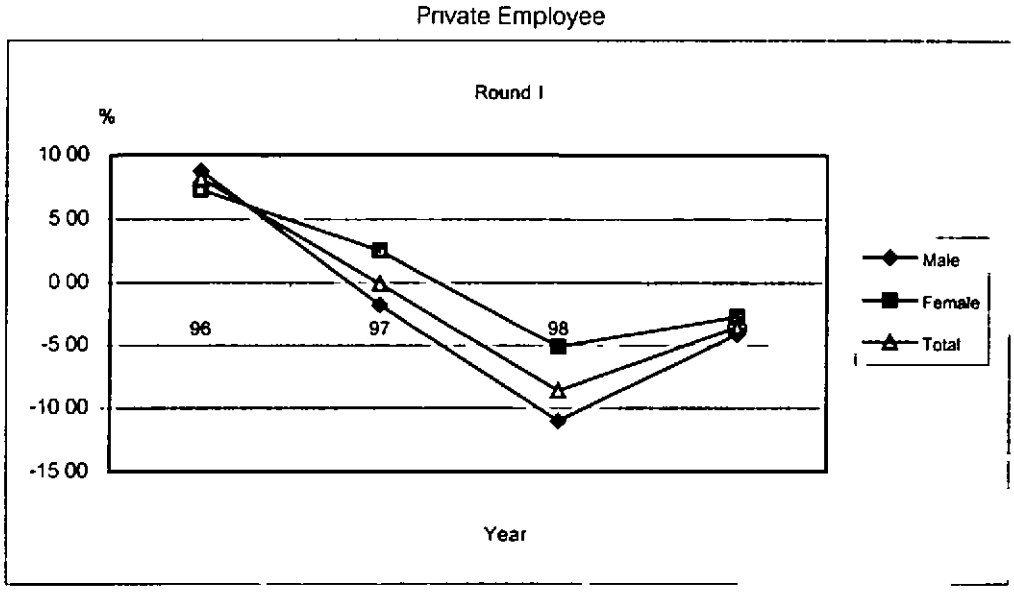


Figure A.8 .2 : Employed Persons with Real Wage Rates >0 (growth rate, %)



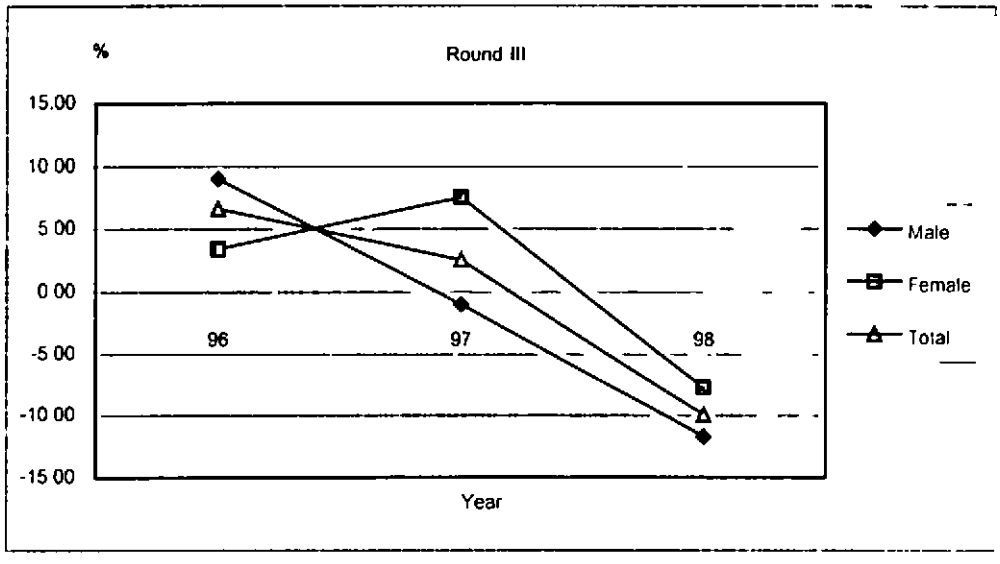
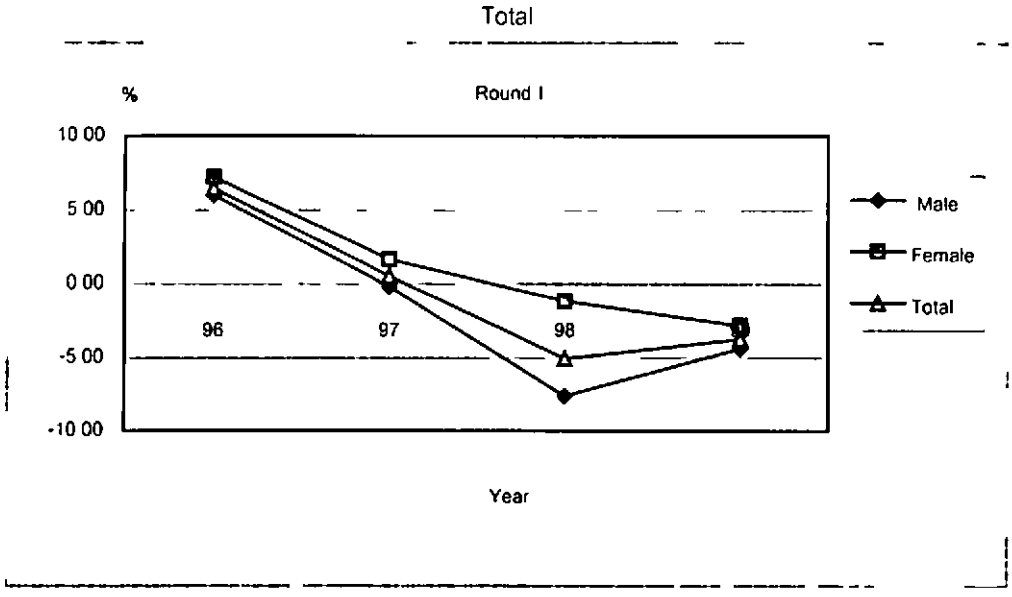


Figure A.9 2 · Employed Persons with Wage (growth rate,%)



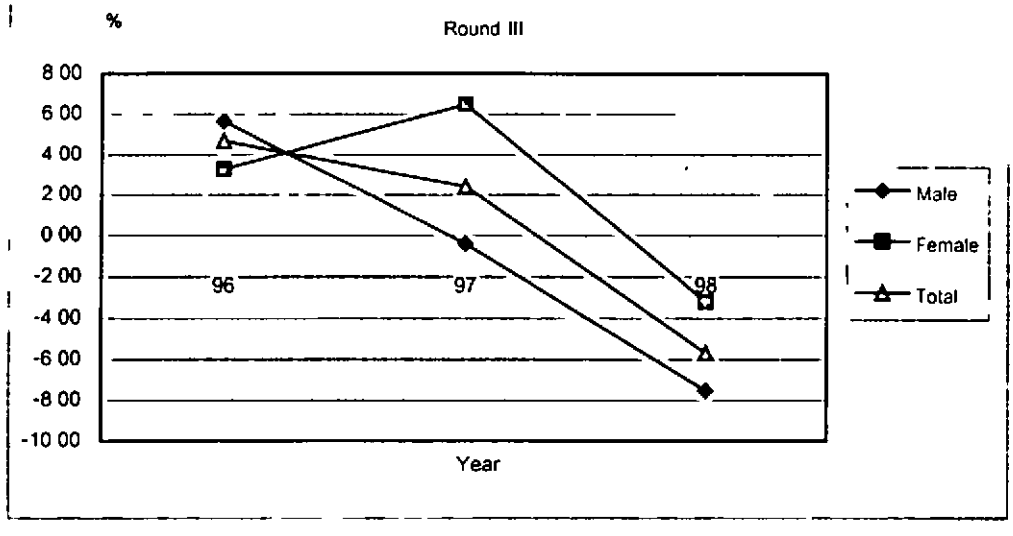
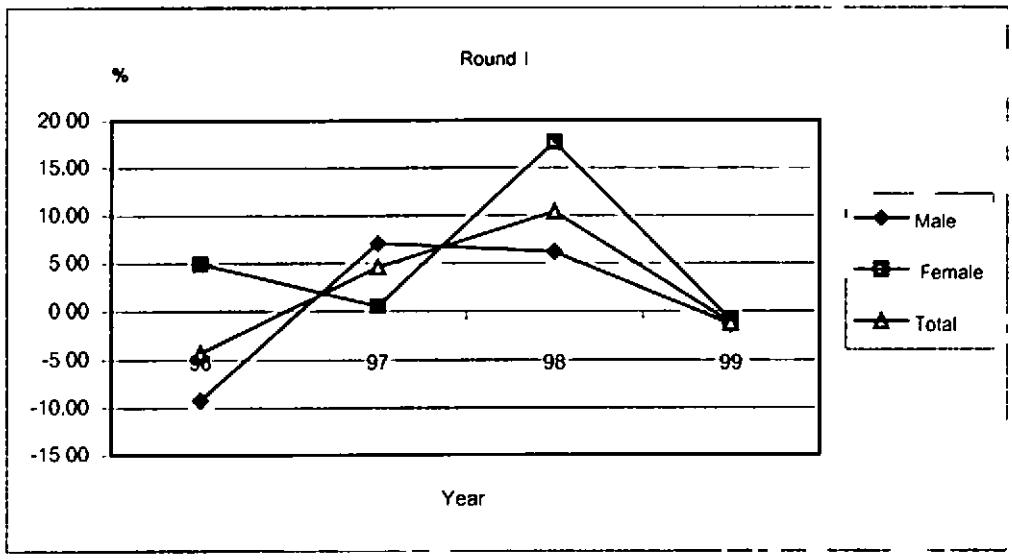


Figure A 9 2 Employed Persons with Wage (growth rate,%)

Government Employee



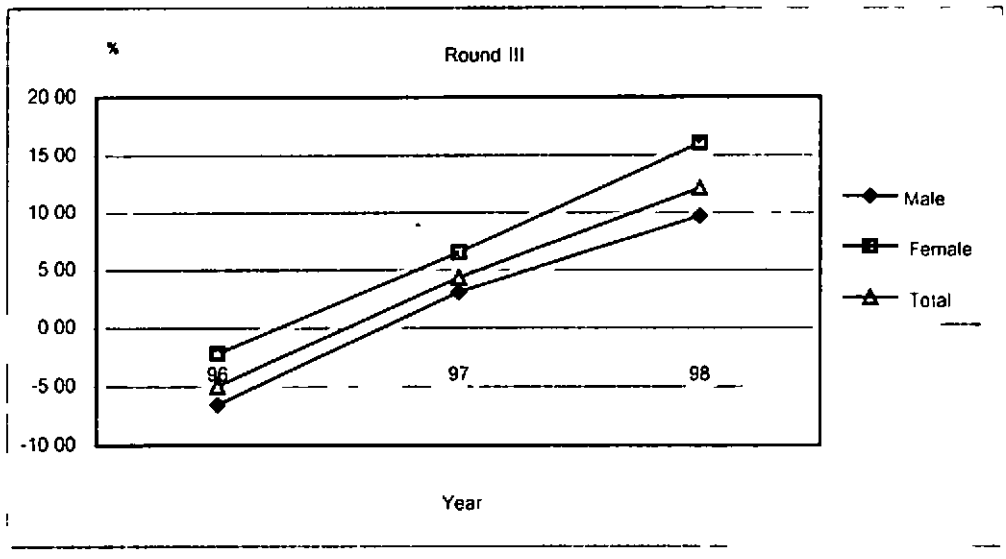


Figure A 9 2 Employed Persons with Wage (growth rate,%)

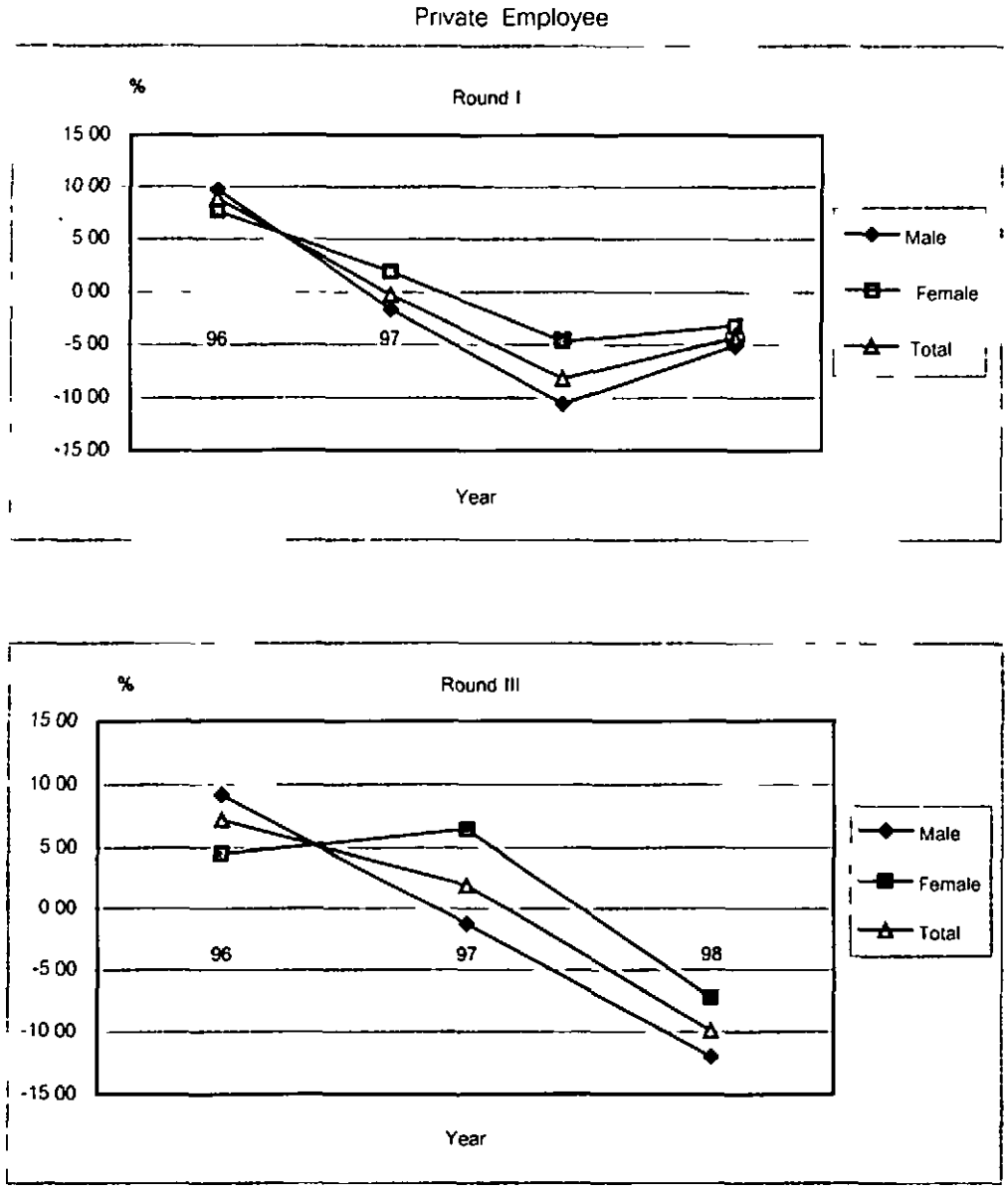
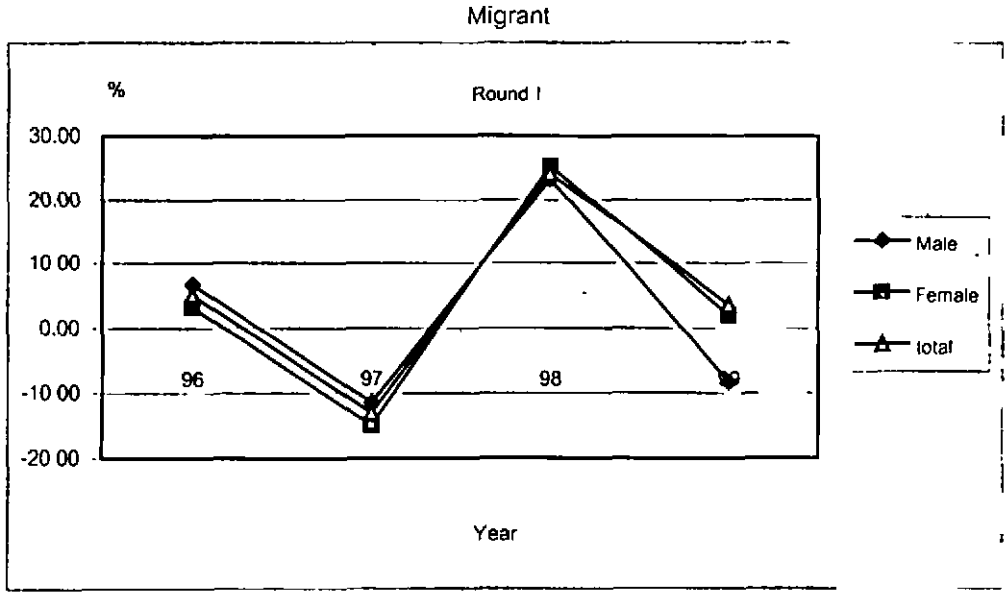


Figure A.10.2 Migration Status of Persons 13 Years of Age and Over (growth rate,%)



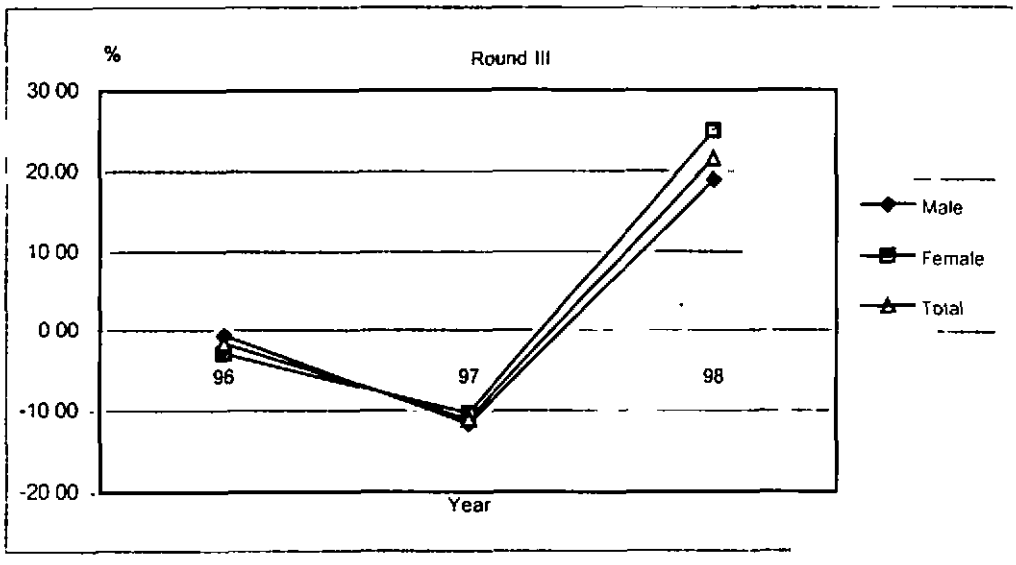
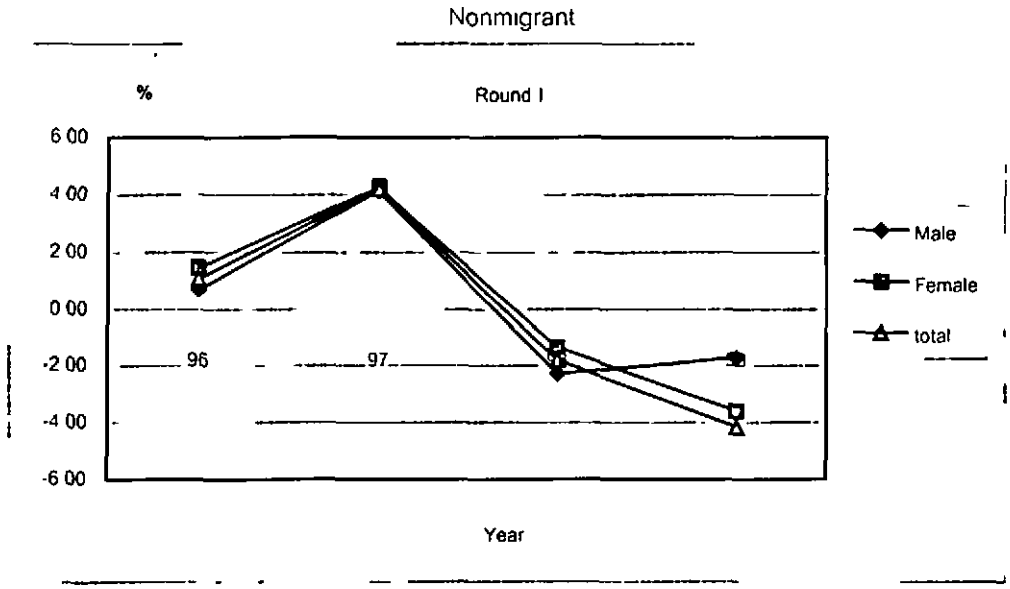


Figure A.10 2 · Migration Status of Persons 13 Years of Age and Over (growth rate,%)



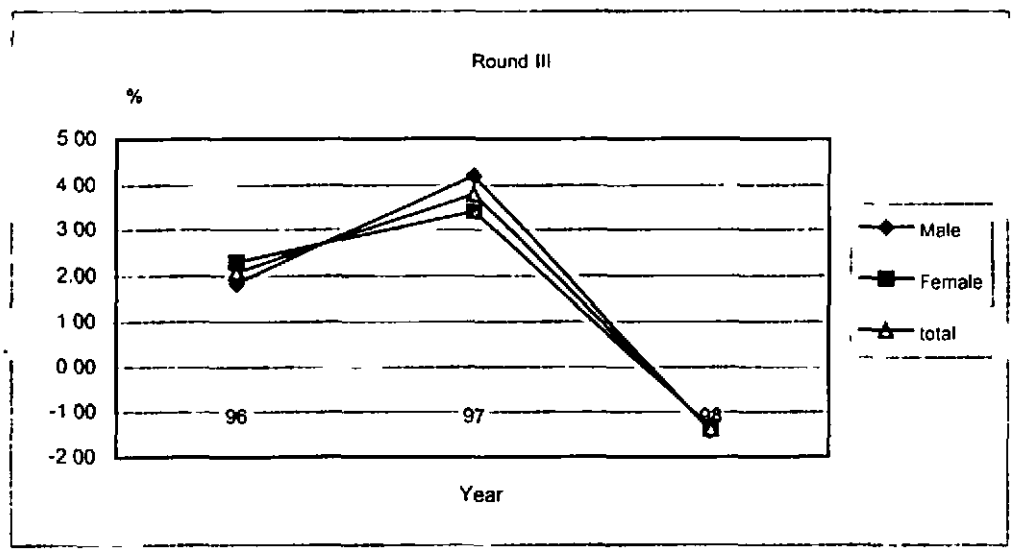
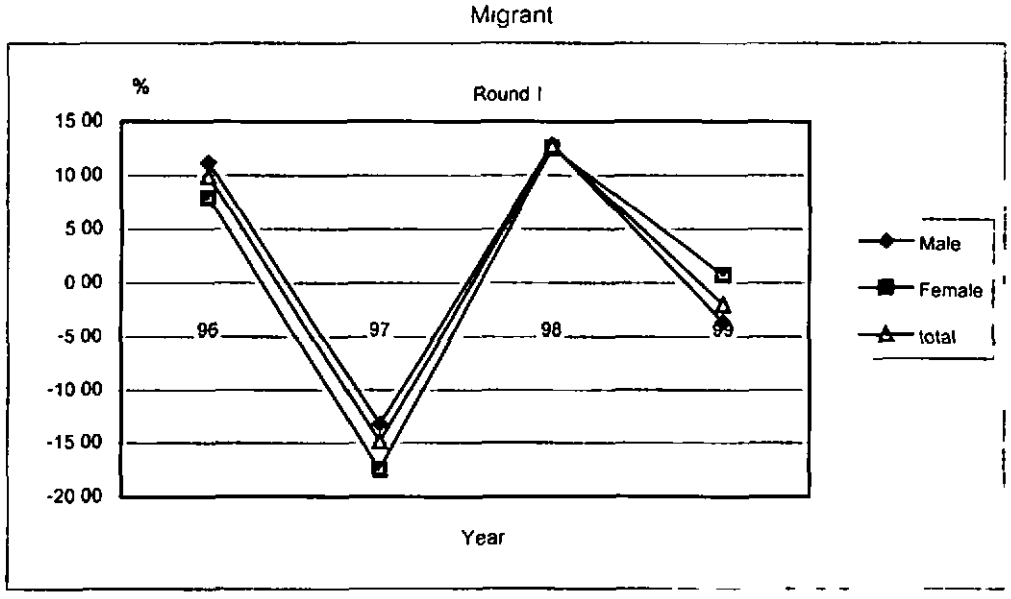


Figure A.11 2 : Migration Status of Employed Persons(growth rate,%)



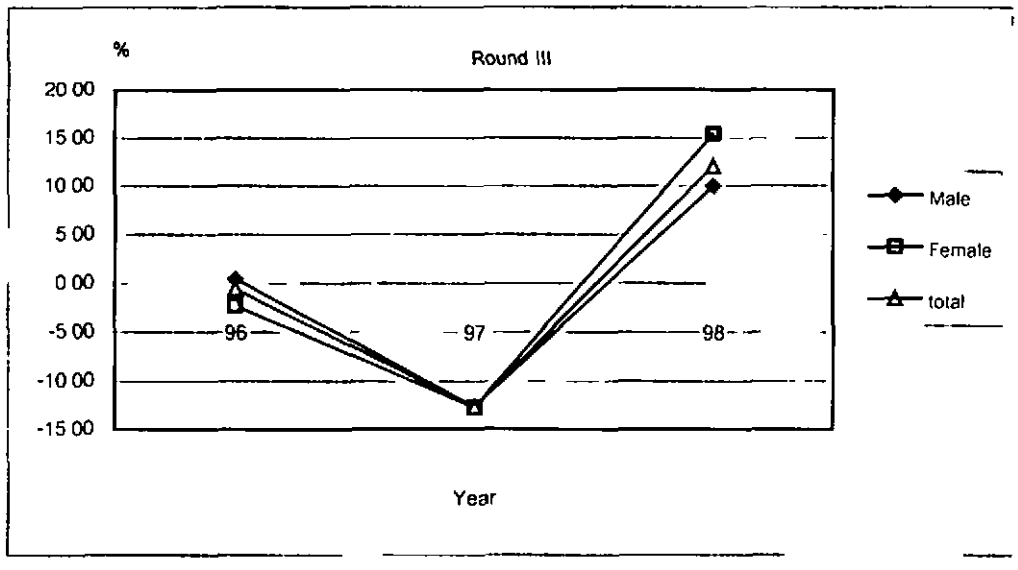
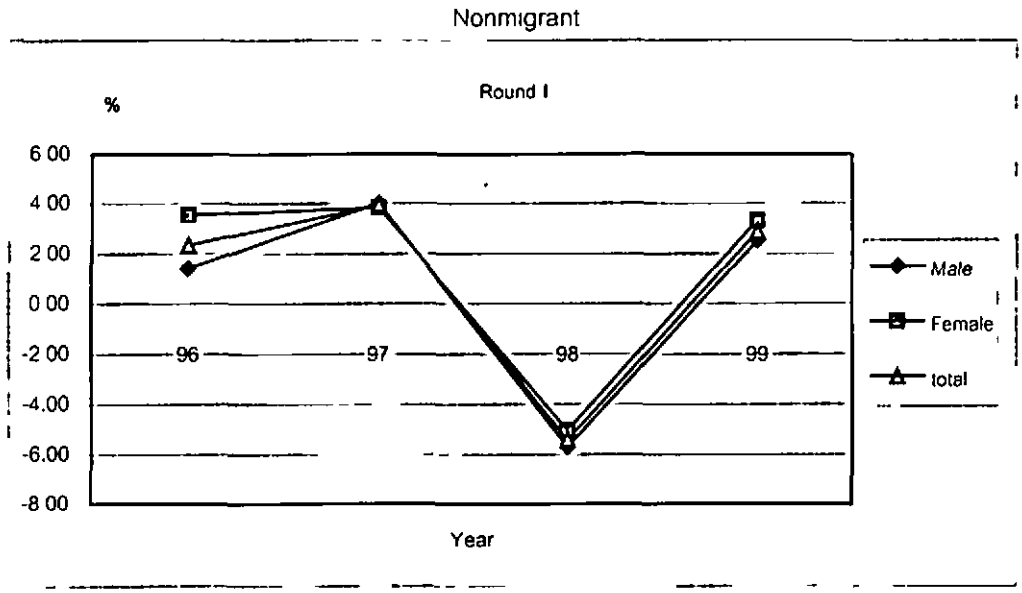


Figure A.11 2 Migration Status of Employed Persons (growth rate,%)



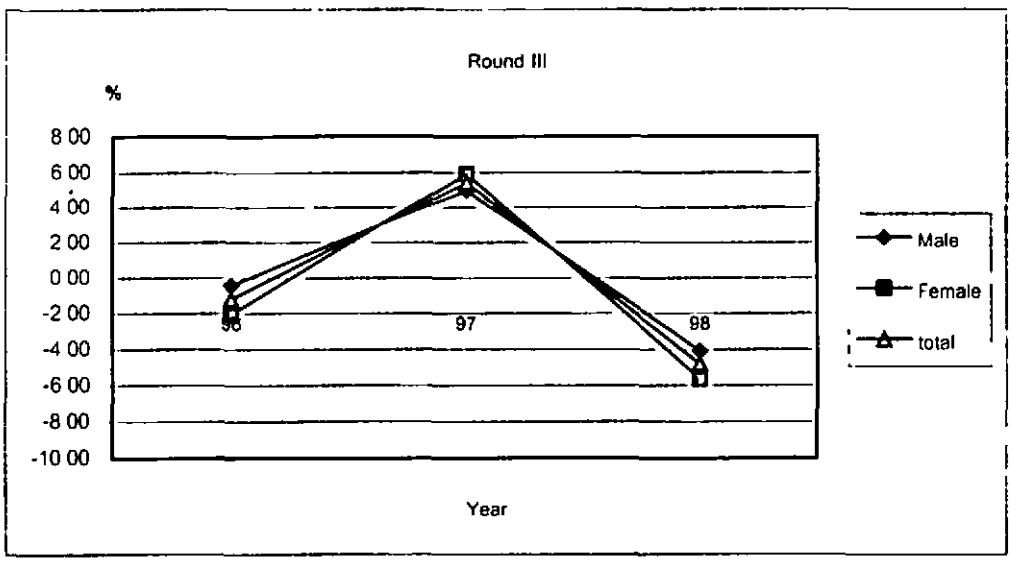
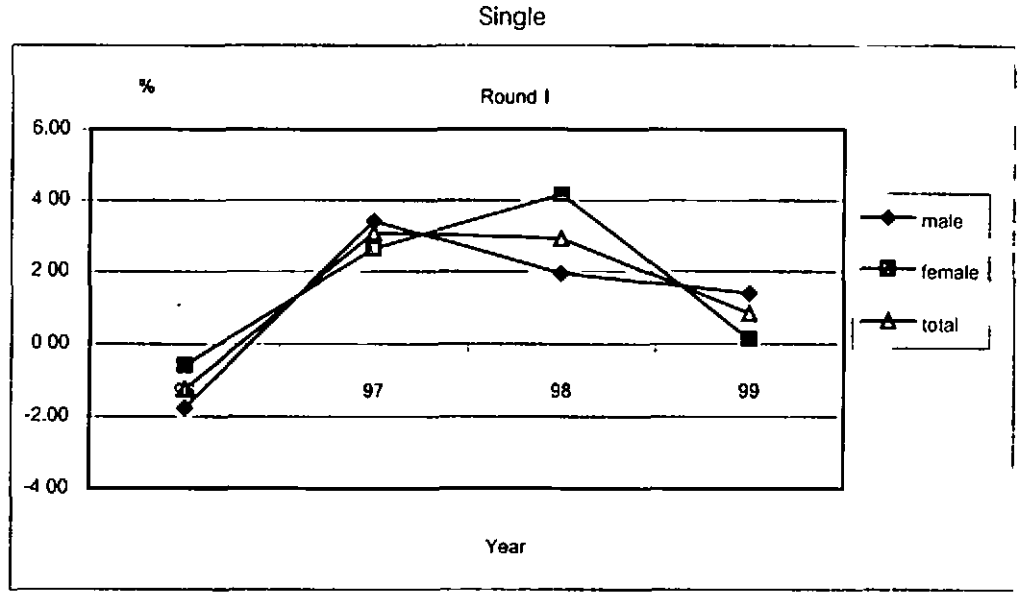


Figure A 12 2 · Marital Status of Persons 15 Years of Age and Over (growth rate,%)



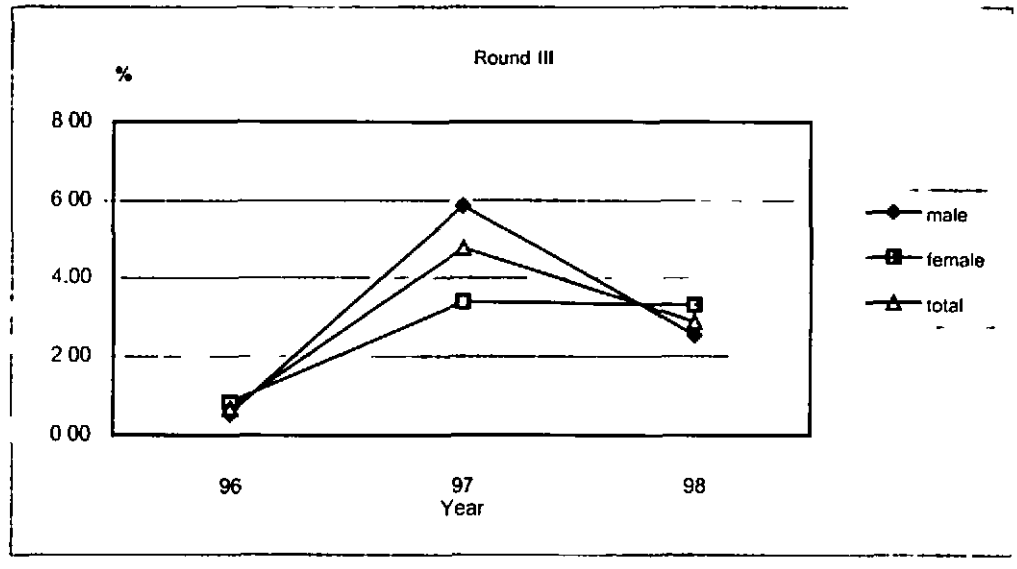
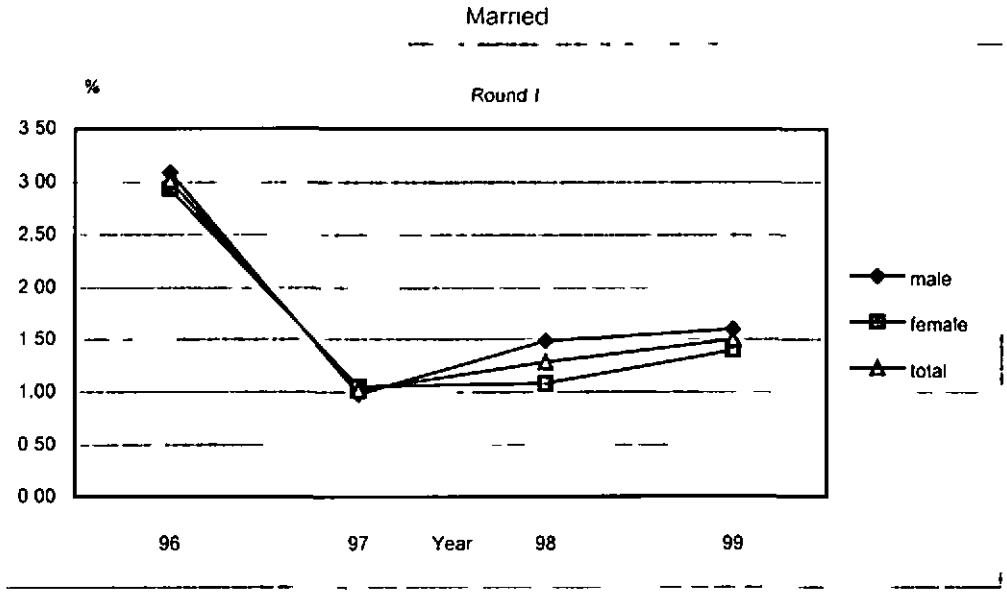


Figure A 12 2 Marital Status of Persons 15 Years of Age and Over (growth rate,%)



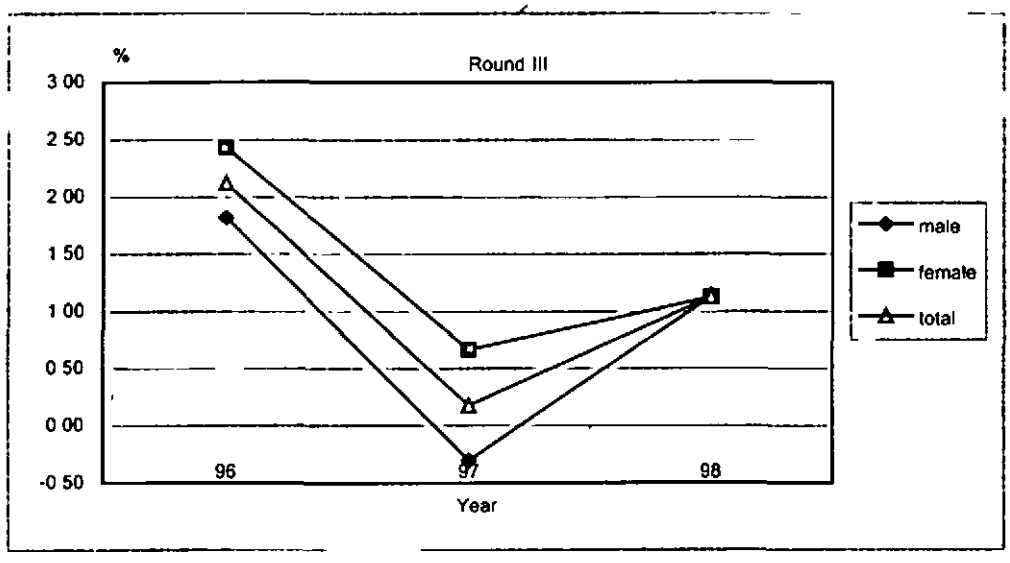
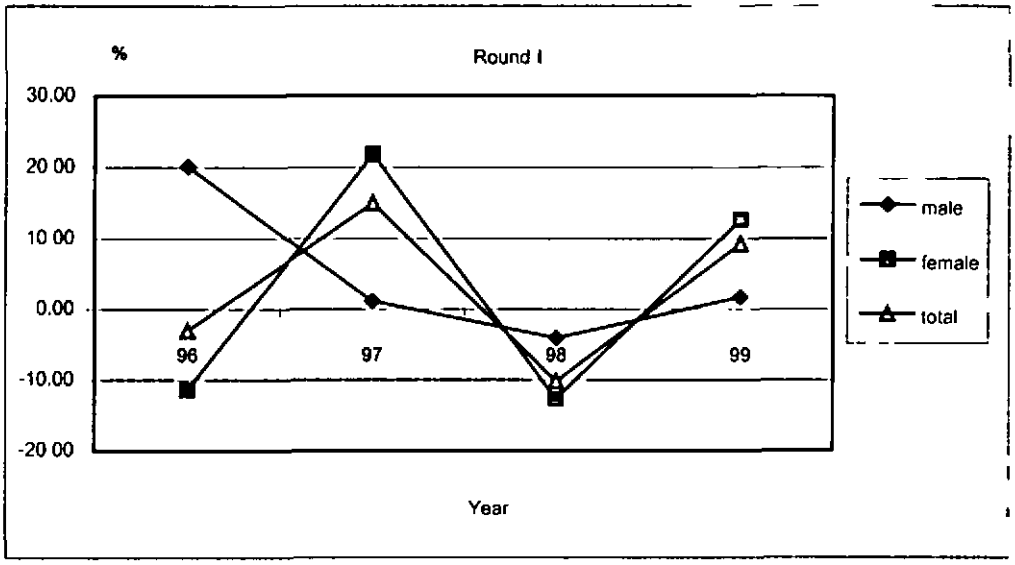


Figure A 12 2 : Marital Status of Persons 15 Years of Age and Over (growth rate,%)

Separated



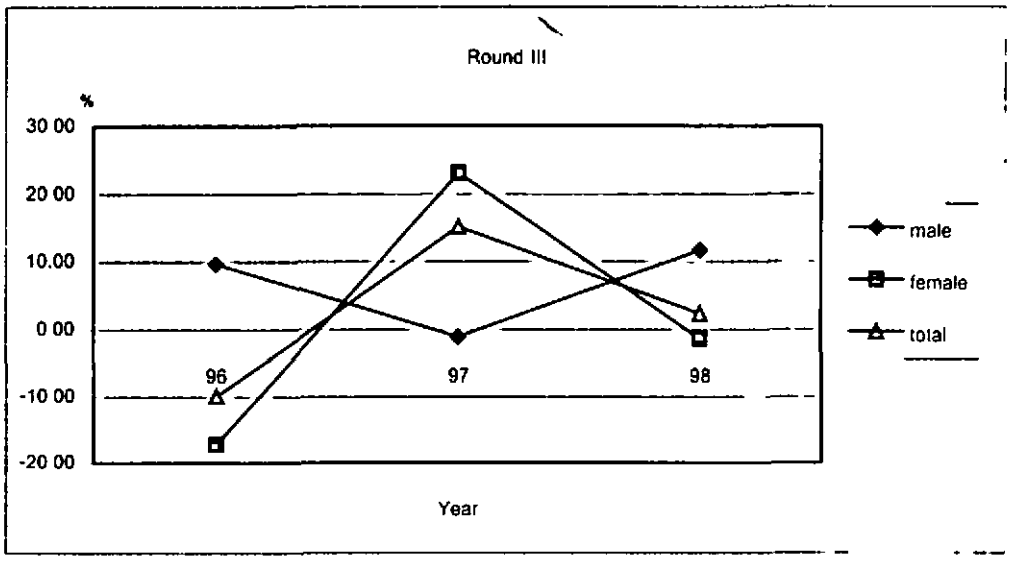
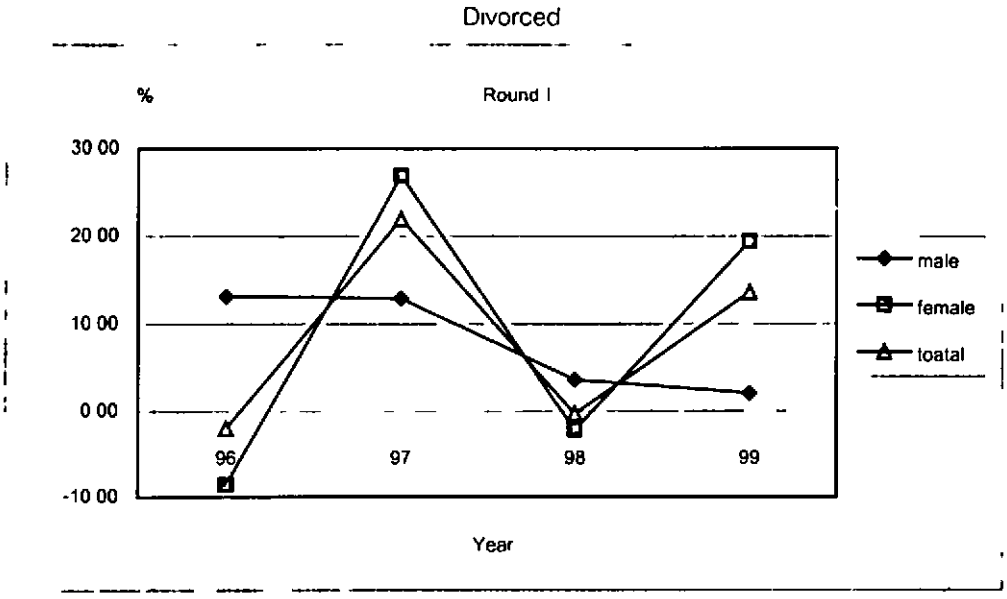


Figure A 12 2 : Marital Status of Persons 15 Years of Age and Over (growth rate,%)



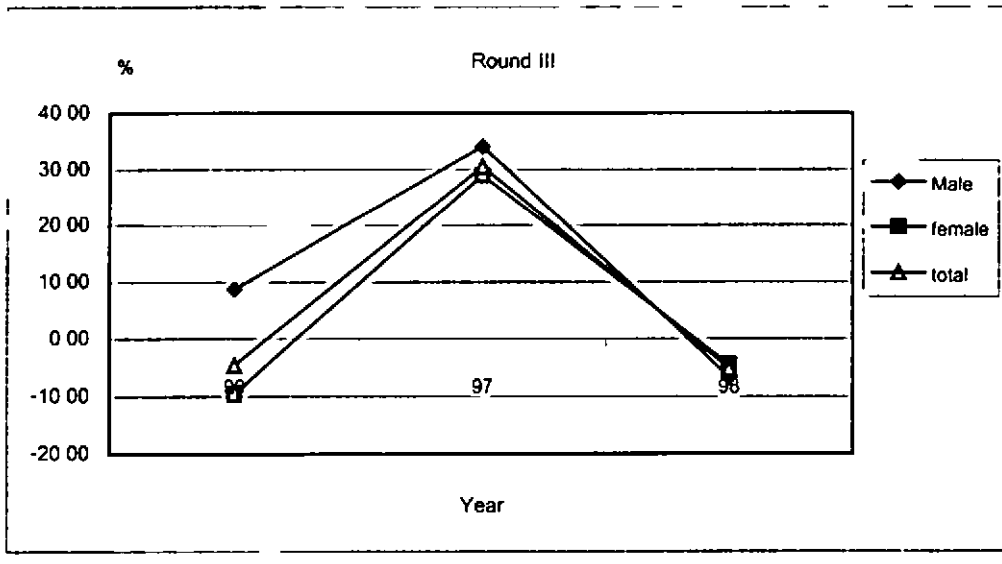


Figure A 12 2 Mantal Status of Persons 15 Years of Age and Over (growth rate,%)

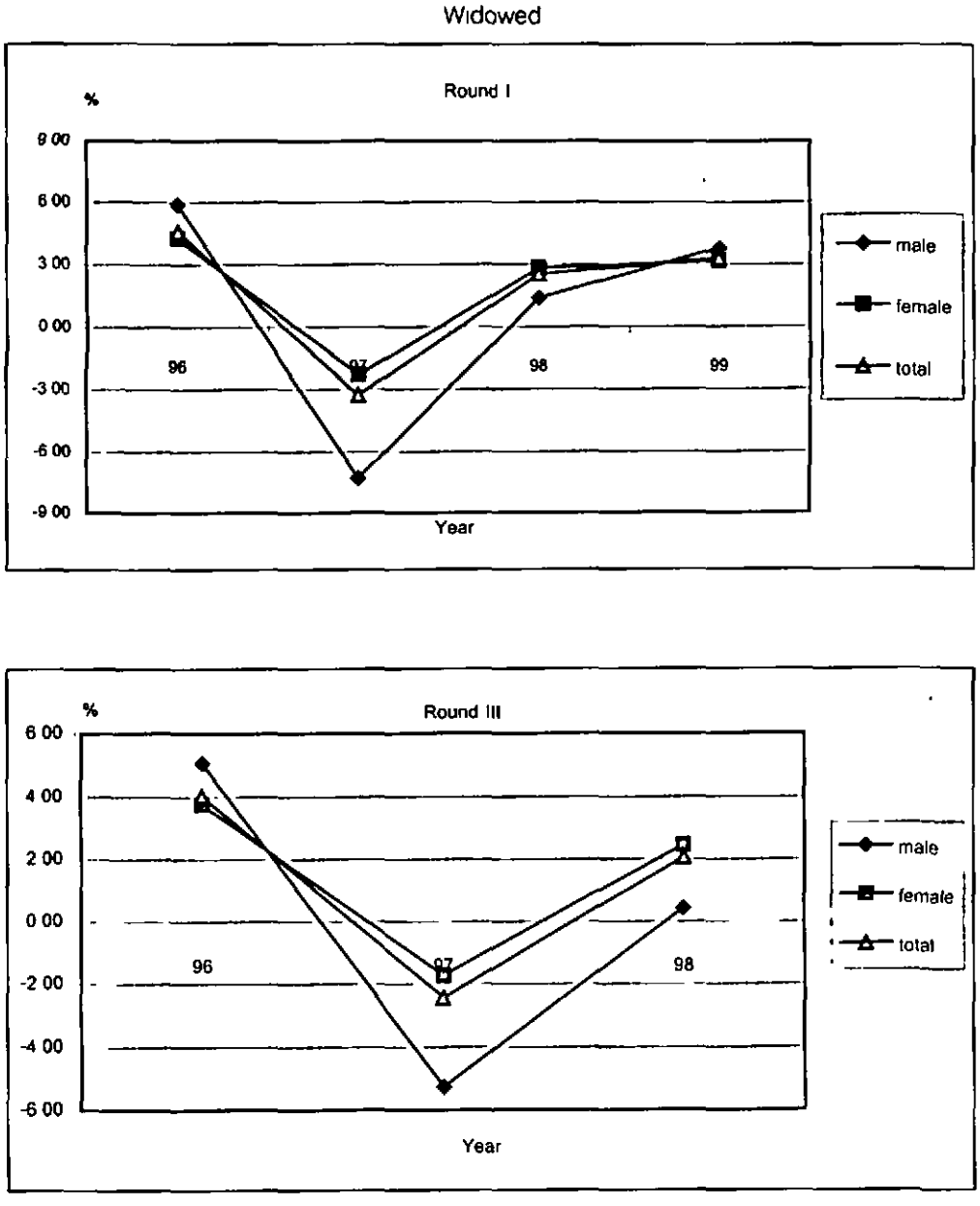
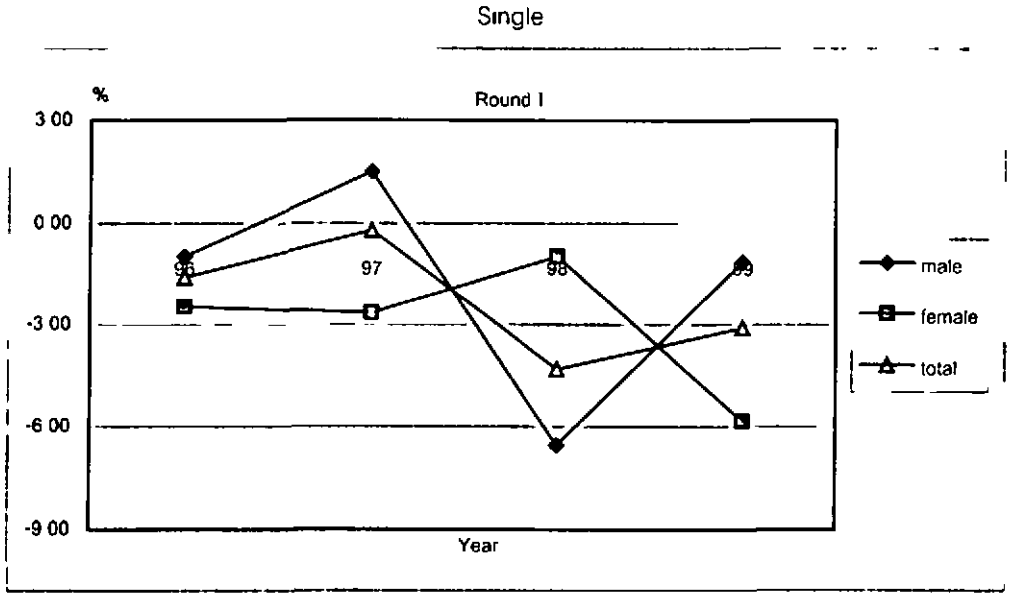


Figure A 13 2 . Marital Status of Employed Persons (growth rate,%)



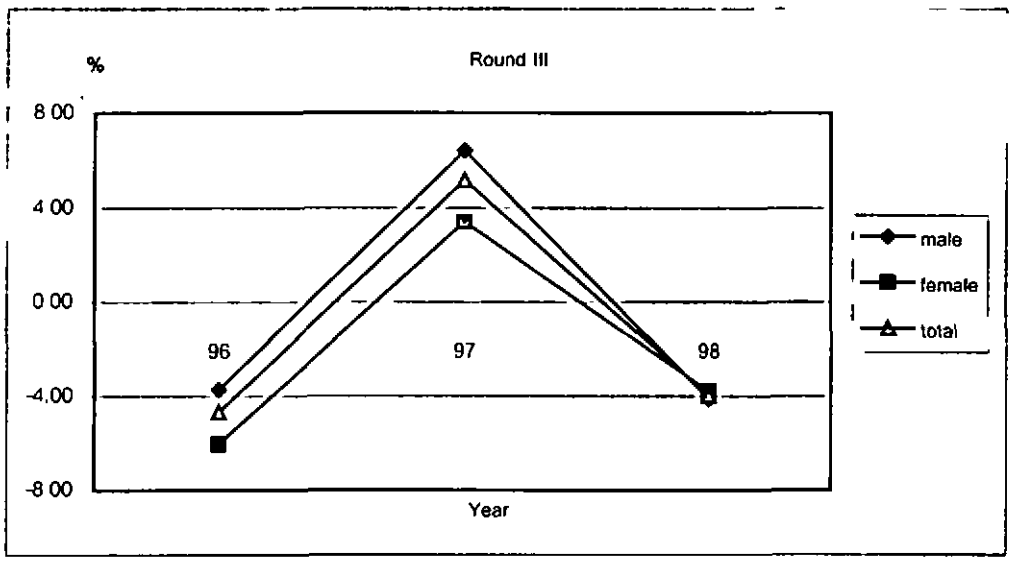
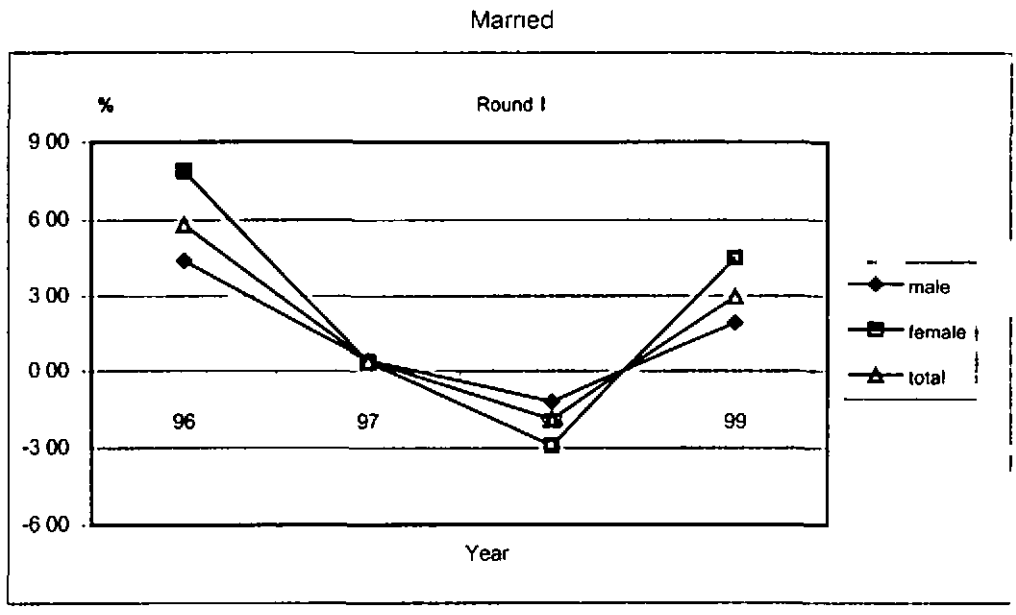


Figure A 13 2 . Marital Status of Employed Persons'(growth rate,%)



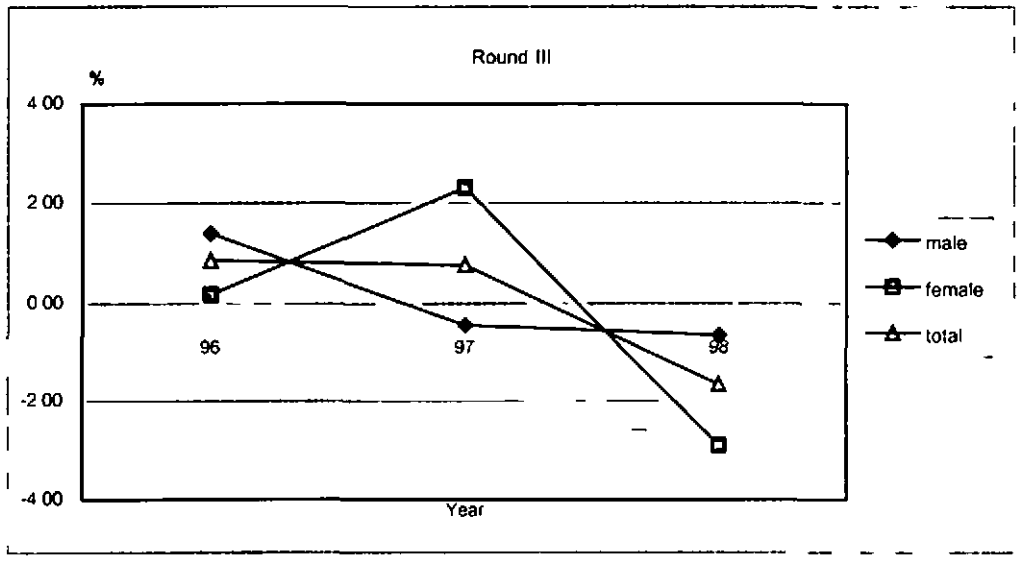
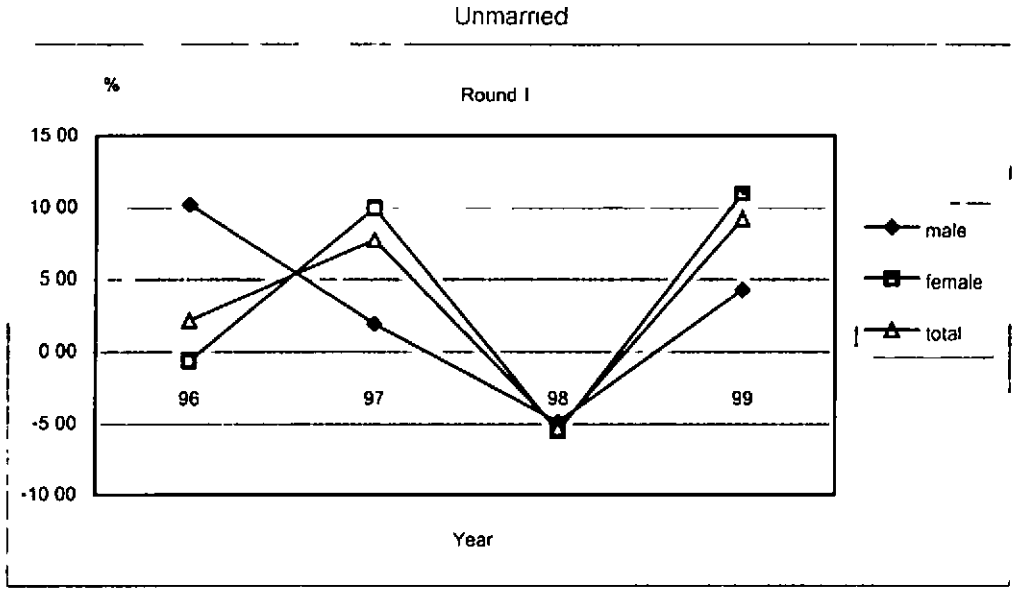


Figure A 13 2 . Marital Status of Employed Persons (growth rate,%)



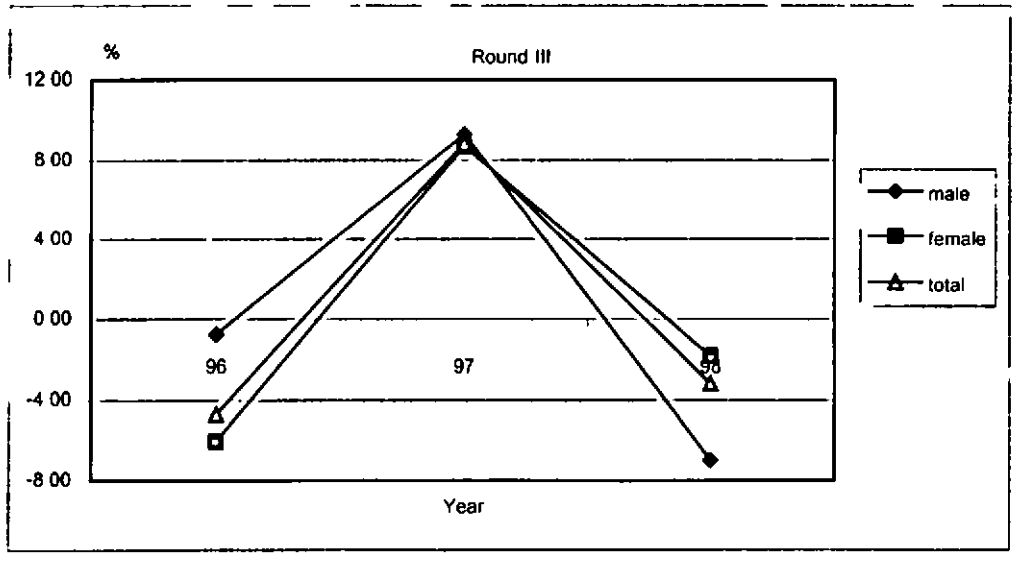
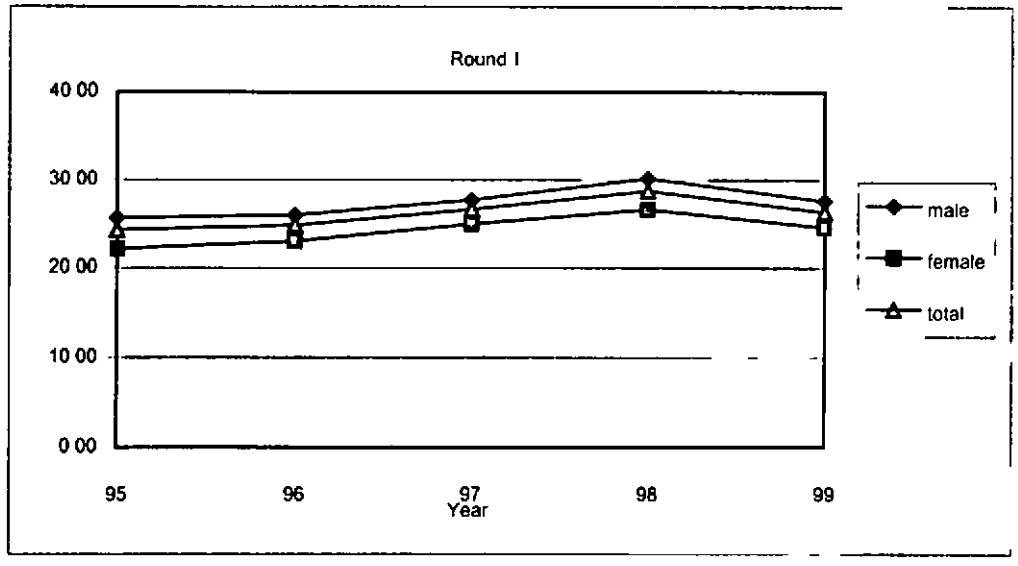


Figure A 14 Mean of Average Real Wage Rates by sex (Baht / hrs)



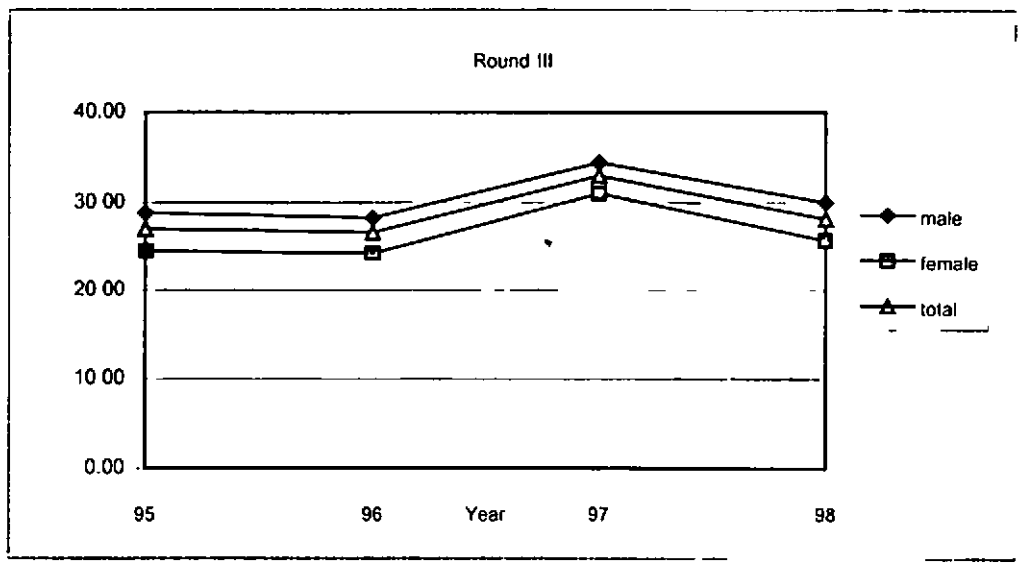
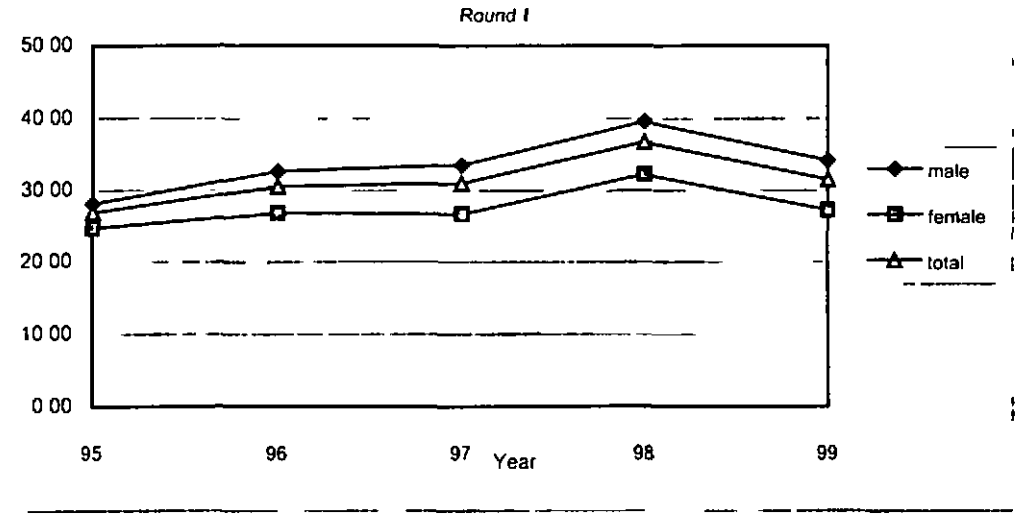


Figure A 14 : Std Deviation of Average Real Wage Rates by sex (Baht / hrs)



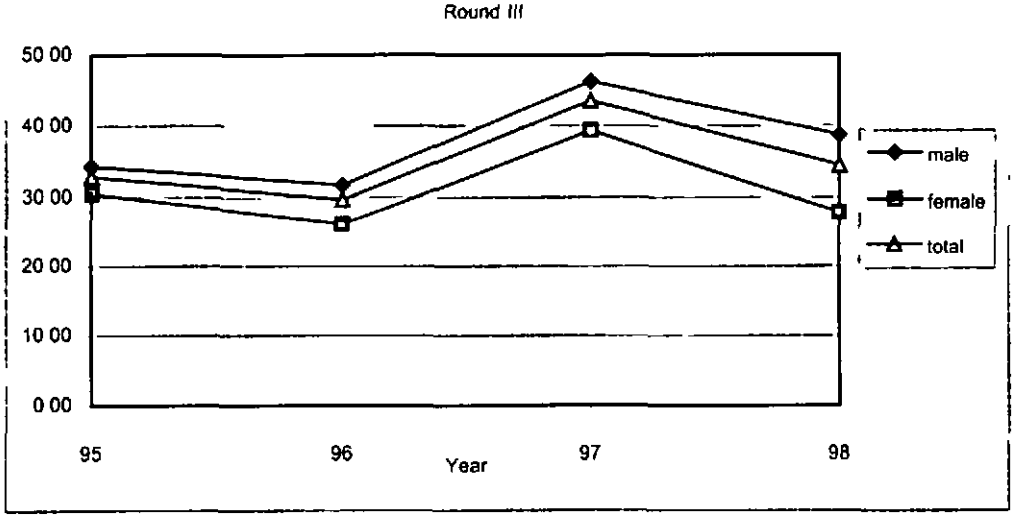
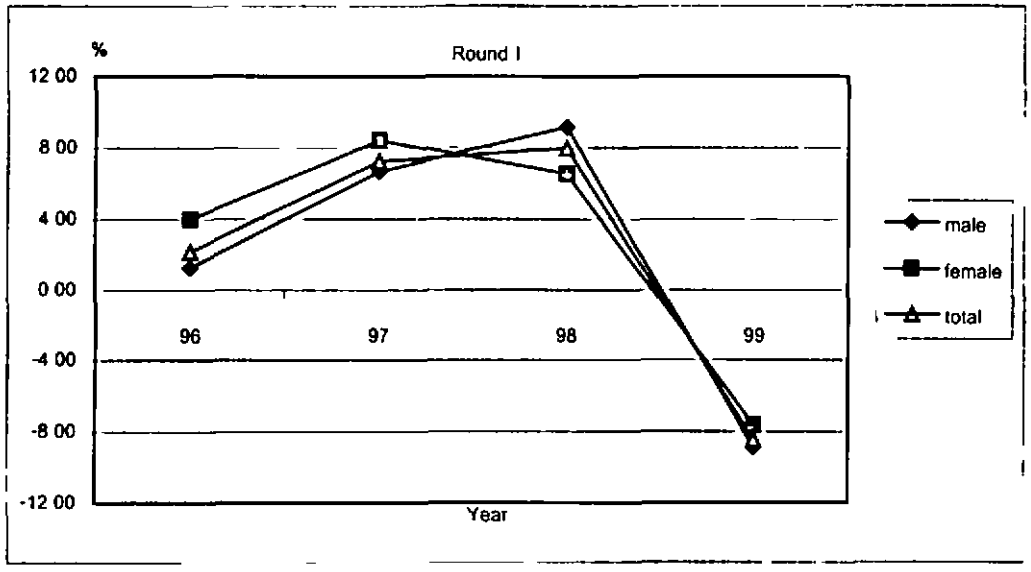


Figure A.14 1 : Mean of Average Real Wage Rates By Sex (Baht / hrs , growth rate,%)



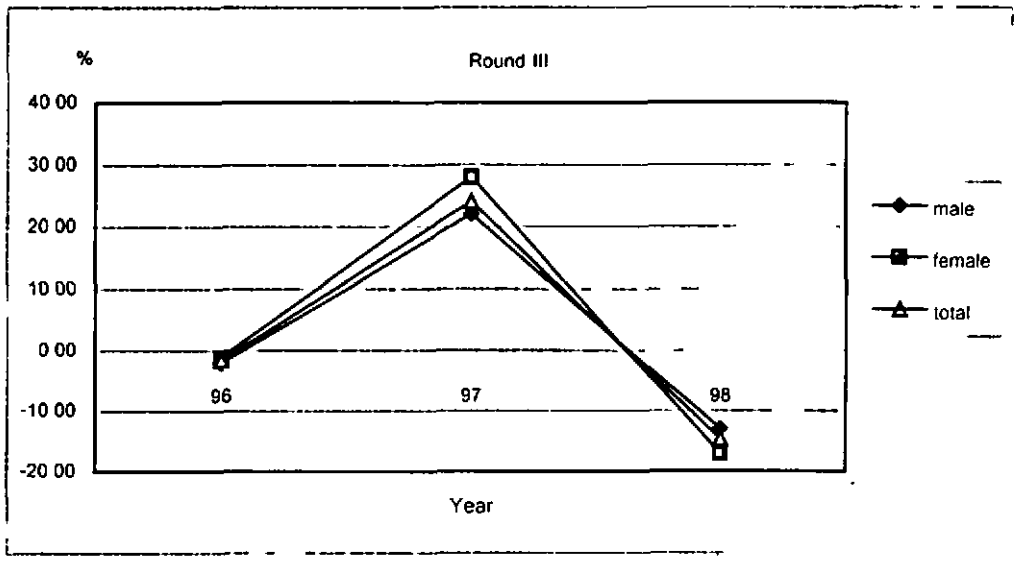
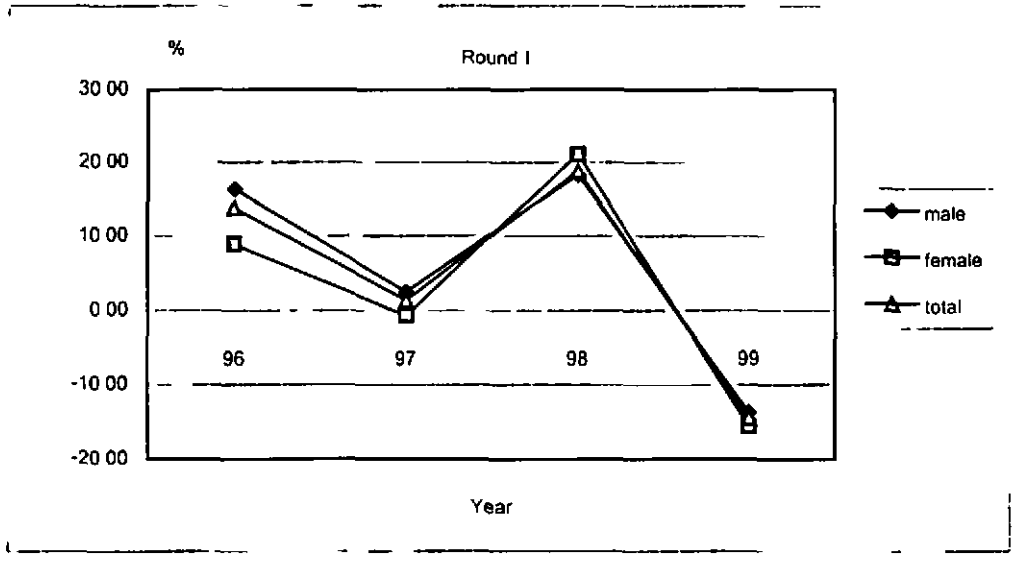


Figure A 14 1 : Std. Deviation of Average Real Wage Rates By Sex (Baht / hrs , growth rate,%)



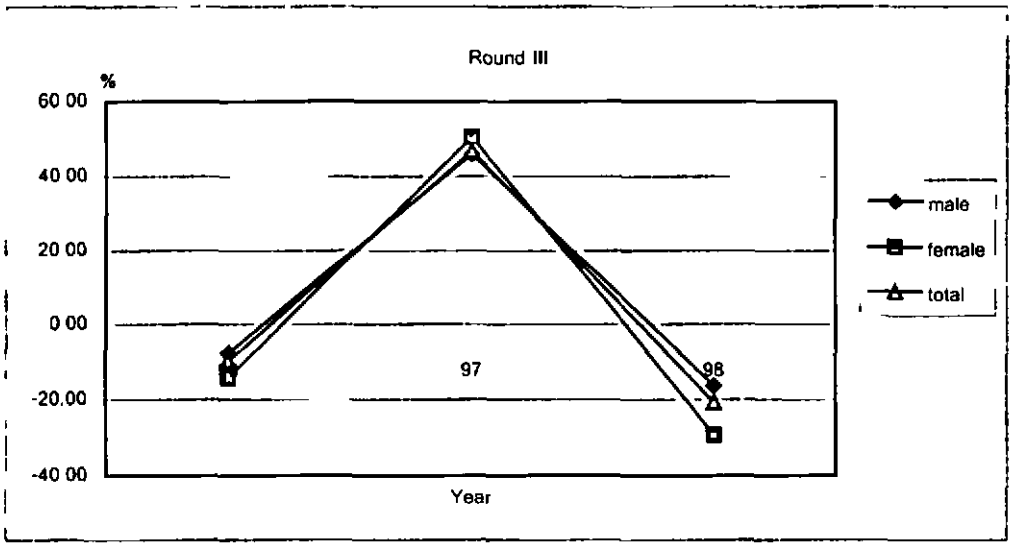
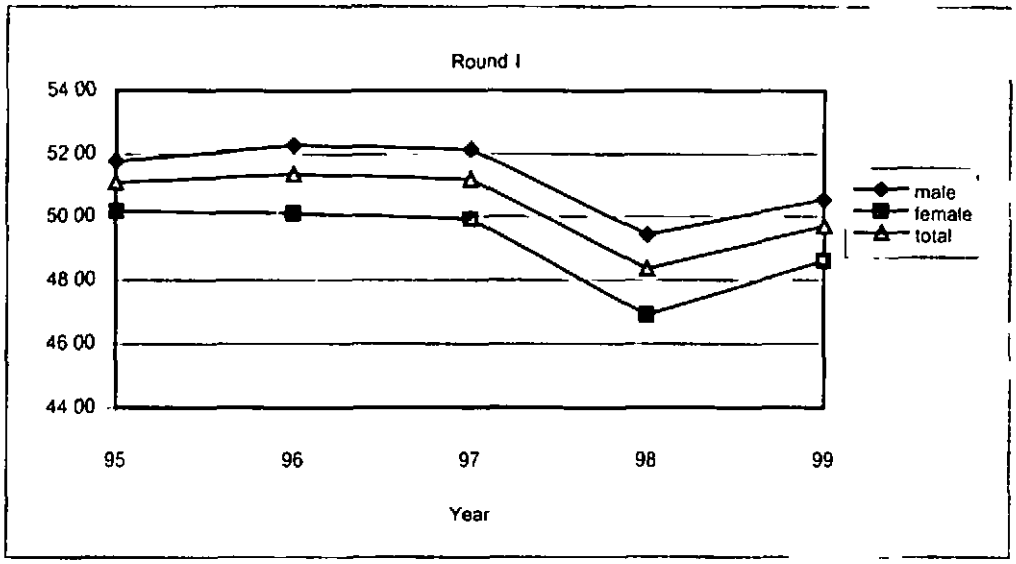


Figure A 15 Mean of Average Total Hours Worked Per Week by Sex



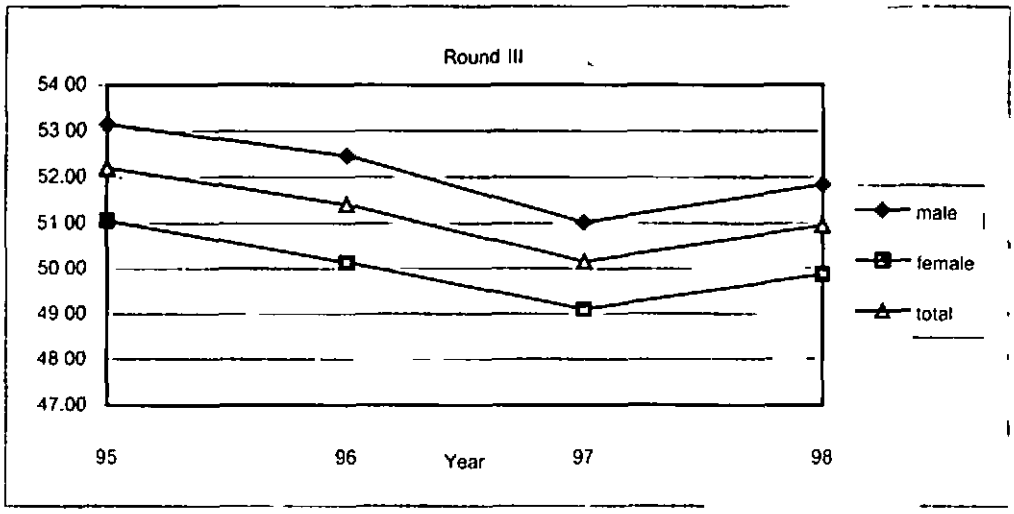
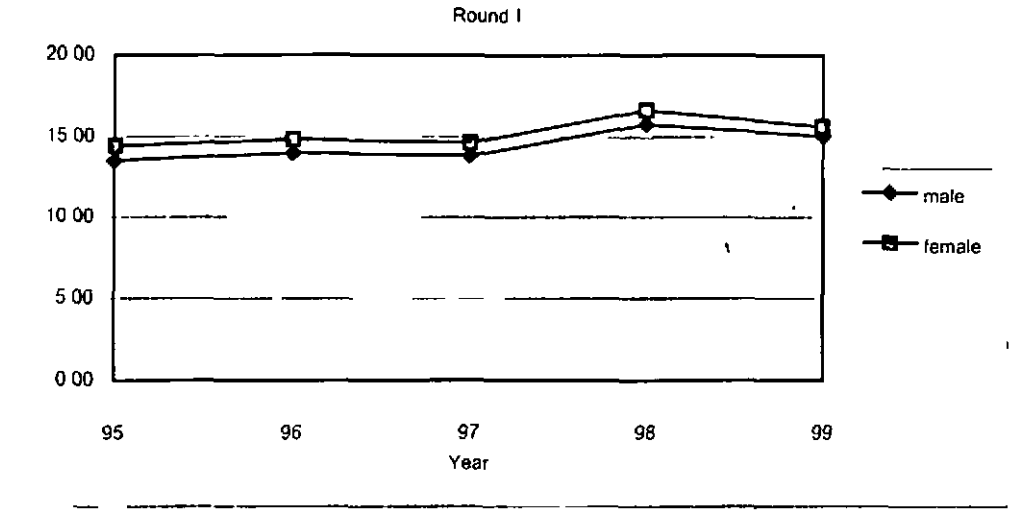
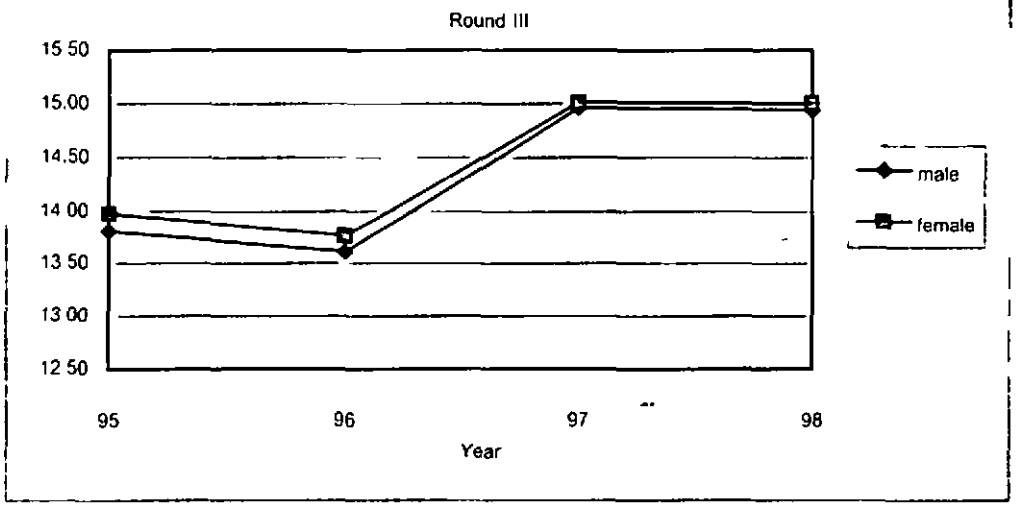
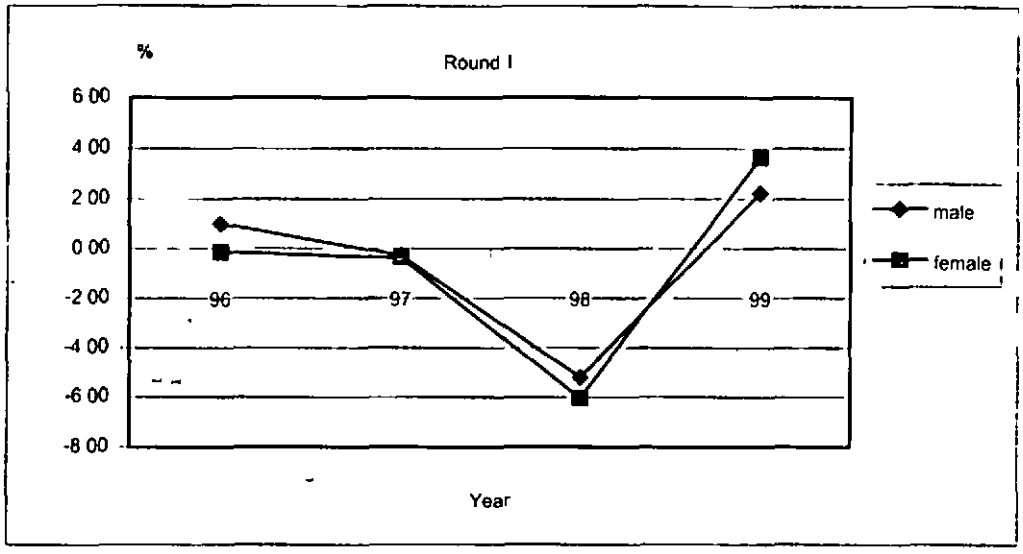


Figure A.15 Std.Deviation of Average Total Hours Worked Per Week by Sex





FigureA 15 1 Mean of Average Total Hours Worked Per Week by Sex (growth rate,%)



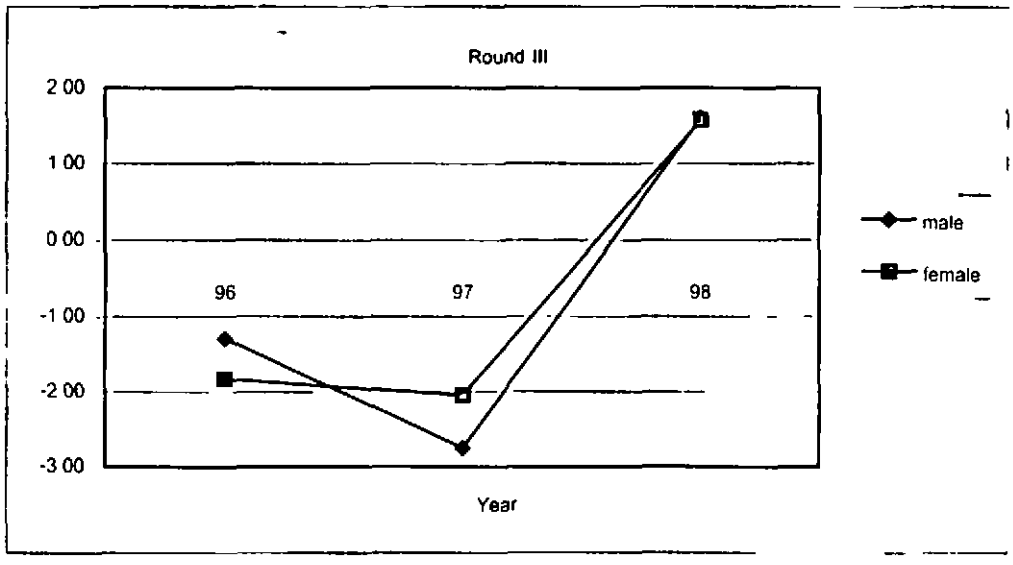
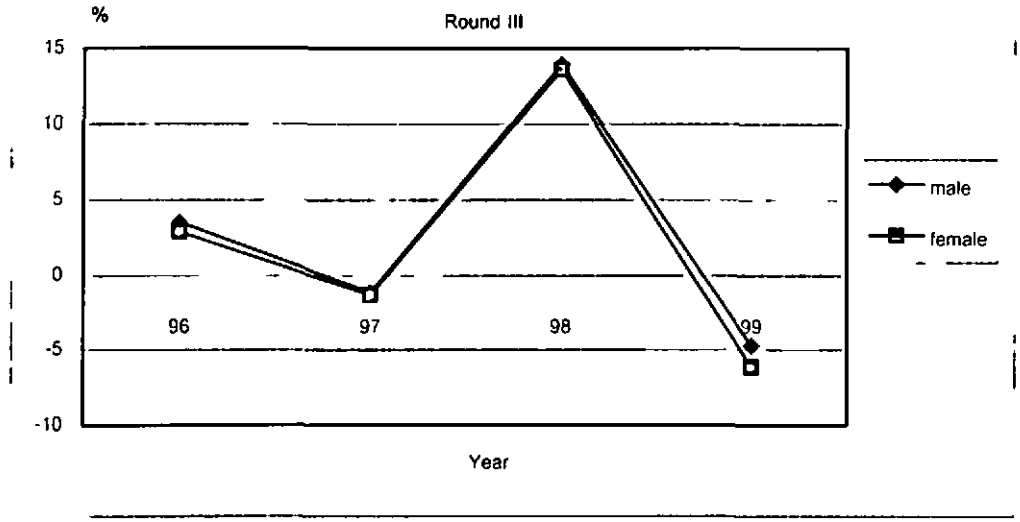
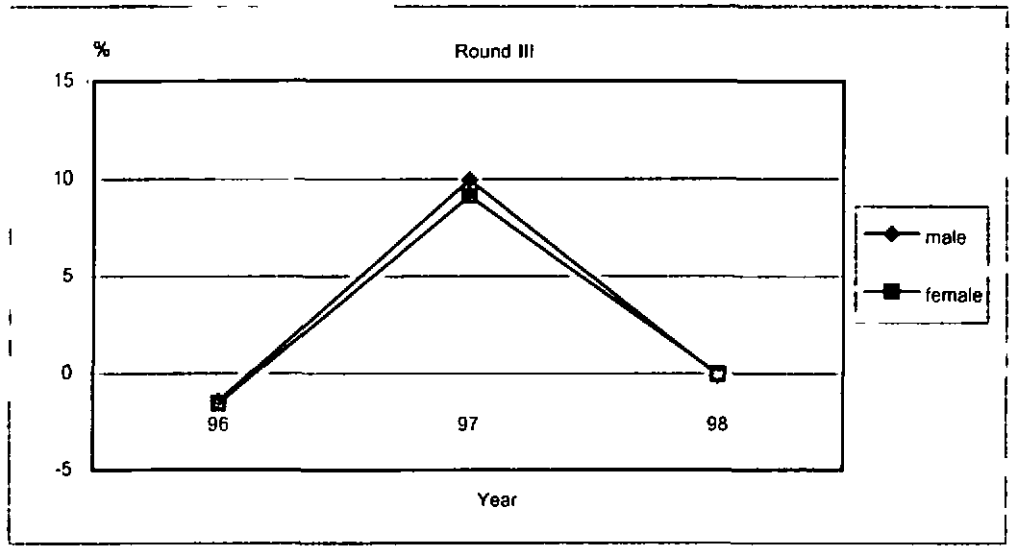
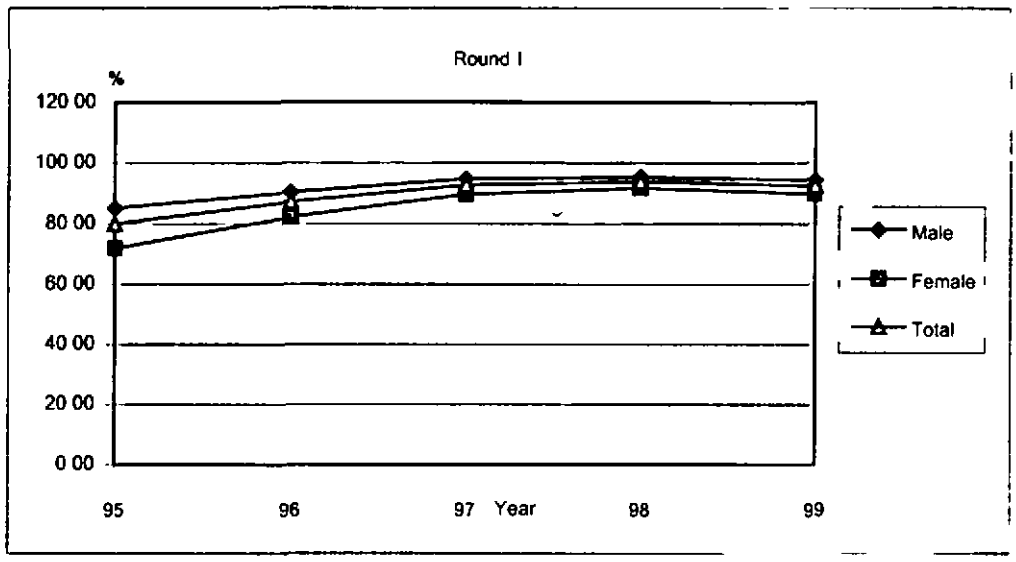


Figure A 15 1 Std Deviation of Average Total Hours Worked Per Week by Sex (growth rate,%)





Fgure A 16 : Proportion of Workers with Real Wage Above the 1995 First Quintile by Sex (%)



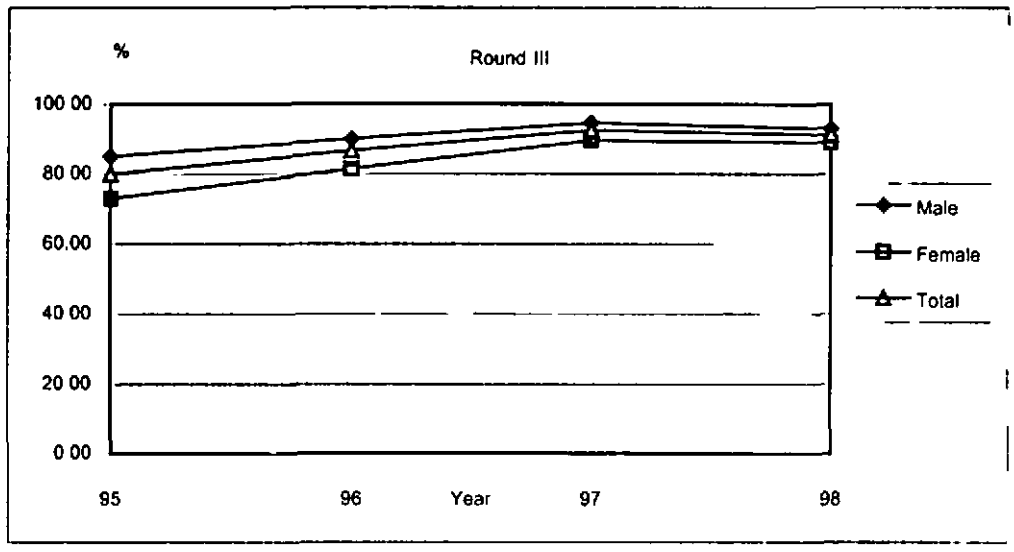
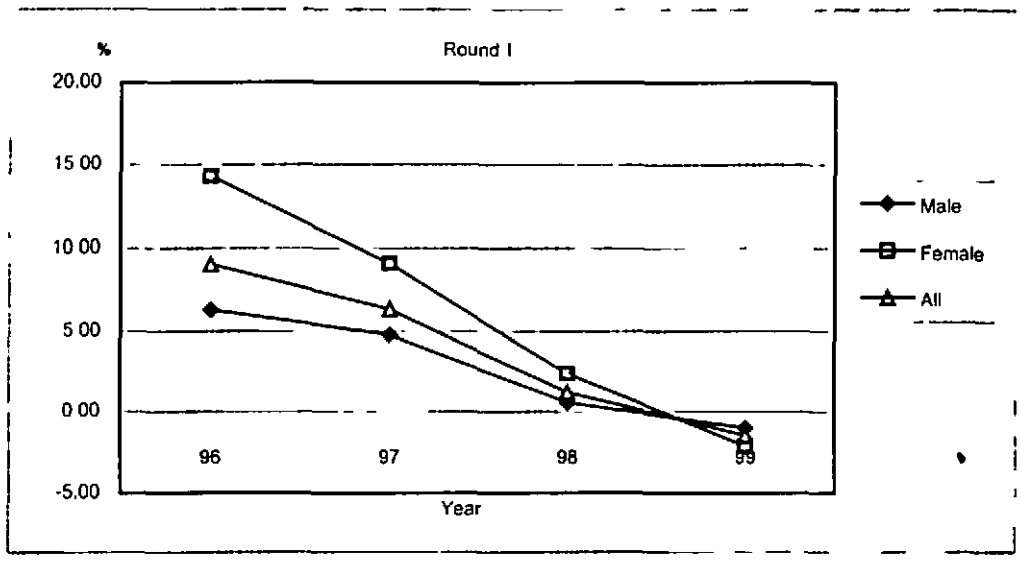
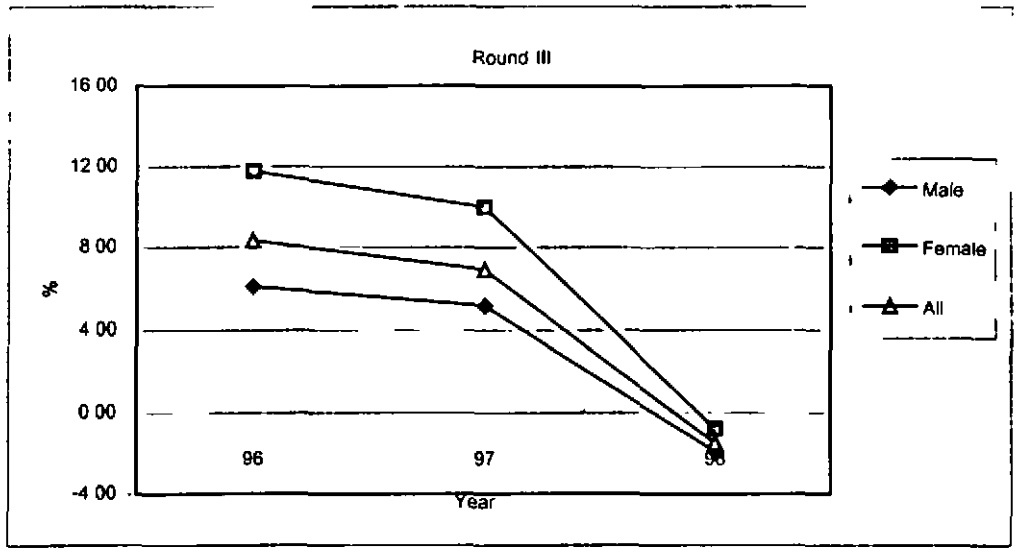


Figure A 16 1 Growth Rate of Proportion of Workers with Real Wage Above the 1995 First Quintile by Sex (%)





Appendix C

Estimation with Macro Effects

List of Tables in Appendix C

Table C.1: Estimate of log Real Wage (Round I, Female)

```
REGRESS,Lhs=LnRWAGEM,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,e
        ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
        ,ydeve4,ydeve5,ydeve6,ydeve7,ydevml,Wts=WTPOP$
```

```
+----------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = LNRWAGEM Mean=   2.722757379    , S.D.=    8358326607    |
| Model size  Observations =  129260, Parameters =  30, Deg.Fr.= 129230 |
| Residuals   Sum of squares= 37360 80028    , Std.Dev =          53768 |
| Fit:        R-squared=   586270, Adjusted R-squared =          58618 |
| Model test: F[ 29, 129230] = 6314.61,    Prob value =          00000 |
| Diagnostic· Log-L = ***********, Restricted(b=0) Log-L = -205856 8457 |
|             LogAmemiyaPrCrt =   -1 241, Akaike Info  Crt.=      2.303 |
| Autocorrel  Durbin-Watson Statistic =   1 54007,   Rho =        22996 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Constant	3 271157376	21424303E-01	152.684	0000	
AGEX1	- 5000235547	15891262E-01	-31.465	0000	10604537E-01
AGEX2	- 4023229625	61159048E-02	-65.783	.0000	10902556
AGEX3	- 3432636677	47586357E-02	-72 135	0000	18584234
AGEX5	5047713303	97858474E-02	51.582	0000	71732445E-01
MIG1	- 4330731302	76889352E-02	-56.324	0000	23245051
REG1	3043365064E-01	56616357E-02	5 375	0000	.81072688
MRS1	3081955202	52328797E-02	58 896	0000	.56329010
ED2	7813568231E-01	13052552E-01	5 986	0000	.21096777E-01
ED3	2747528149	81655425E-02	33 648	0000	32434711
ED4	3288513845	90389929E-02	36 381	0000	24153172
ED5	5203055992	10830770E-01	48.040	0000	92829008E-01
ED6	6162194415	13235470E-01	46.558	0000	94415153E-01
ED7	8784626084	18377147E-01	47 802	0000	18527533
MILLS	-1 217270762	22475085E-01	-54 161	0000	83640860
YDEV	4 734576116	26031401	18 188	0000	12142642E-01
YDEVA1	1 376848302	24910099	5 527	0000	.14106784E-03
YDEVA2	5643569308	81090710E-01	6 960	.0000	.22298220E-02
YDEVA3	1787195106	60865956E-01	2 936	.0033	.26974815E-02
YDEVA5	7301646624	12053406	6 058	.0000	76912271E-03
YDEVMI1	- 8552025090	92837110E-01	-9.212	.0000	32481177E-02
YDEVRE1	- 8521314132	72105059E-01	-11.818	0000	67013344E-02
YDEVMR1	5935783849	65046855E-01	9.125	0000	69070047E-02
YDEVE2	- 3860982089	17572078	-2 197	0280	36436912E-03
YDEVE3	- 9003267445E-01	.10833074	- 831	4059	45616396E-02
YDEVE4	-.9541682225	11804705	-8 083	0000	43465968E-02
YDEVE5	-1 353707017	13805392	-9 806	0000	55153397E-03
YDEVE6	-1 872188025	16621474	-11 264	0000	.73076537E-03
YDEVE7	-2 766717578	22423141	-12 339	0000	.10088914E-02
YDEVML	-3.369164343	26713643	-12 612	.0000	.10846931E-0

Table C.2: Estimate of log Real Wage (Round I, Male)

```
REGRESS,Lhs=LnRWAGEM,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,e.
        ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
        ,ydeve4,ydeve5,ydeve6,ydeve7,ydevml,Wts=WTPOP$
```

```
+----------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = LNRWAGEM Mean=   2 888890874     , S D.=     7799556426  |
| Model size  Observations =  166770, Parameters =  30, Deg.Fr.= 166740 |
| Residuals   Sum of squares= 51094.93094     , Std Dev =          .55357 |
| Fit·        R-squared=   496357, Adjusted R-squared =          .49627 |
| Model test· F[ 29, 166740] = 5666.48,     Prob value =          .00000 |
| Diagnostic· Log-L = ***********, Restricted(b=0) Log-L = -253579 9294 |
|             LogAmemiyaPrCrt =   -1 183, Akaike Info. Crt =      2.356 |
| Autocorrel· Durbin-Watson Statistic =   1 60630,   Rho =         19685 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	3.944843627	.33114067E-01	119.129	0000	
AGEX1	-.8185082244E-01	.23246623E-01	-3.521	0004	.57308245E-02
AGEX2	-.2847983271	.68015881E-02	-41.872	0000	82044445E-01
AGEX3	- 2965694137	.45242290E-02	-65.551	0000	.16284989
AGEX5	.8185313325	.12371503E-01	66.163	.0000	10335923
MIG1	- 4754062786	.90432846E-02	-52.570	.0000	24687093
REG1	3833562131E-01	.75037811E-02	5.109	.0000	.83994207
MRS1	3676628533	54777156E-02	67.120	0000	.66574267
ED2	8670848563E-01	13966265E-01	6 208	0000	19797532E-01
ED3	2157313846	.10025236E-01	21.519	0000	36913777
ED4	1850092878	12208338E-01	15.154	0000	23913793
ED5	3103107510	14457892E-01	21 463	0000	12670561
ED6	3655327588	16878716E-01	21.656	0000	95301284E-01
ED7	5294233125	26030000E-01	20.339	0000	12835243
MILLS	-1.865345734	38347169E-01	-48 644	0000	80697498
YDEV	-1 441989441	43928186	-3 283	.0010	.14733712E-01
YDEVA1	- 7216068206	32443800	-2 224	.0261	.67835672E-04
YDEVA2	2836240361	89883887E-01	3 155	0016	15766931E-02
YDEVA3	.4508348869	58671152E-01	7 684	0000	27411703E-02
YDEVA5	-1 665189131	16295693	-10 219	.0000	.14555968E-02
YDEVMI1	1 140158456	11897770	9 583	.0000	35127019E-02
YDEVRE1	-2 303811213	99716190E-01	-23 104	.0000	10635154E-01
YDEVMR1	- 4001603883	71887508E-01	-5 566	.0000	95124494E-02
YDEVE2	- 1658748072E-01	18732938	- 089	9294	34947700E-03
YDEVE3	- 2048648279	.13376050	-1 532	1256	64988399E-02
YDEVE4	1070531146E-01	16192790	066	.9473	43756685E-02
YDEVE5	4987084904	19154930	2 604	.0092	.13147412E-02
YDEVE6	6496118698	22413385	2.898	0038	.86133508E-03
YDEVE7	2.153106406	34608736	6 221	.0000	90100920E-03
YDEVML	4.373101753	50789849	8 610	0000	12355494E-01

Table C.3: Estimate of log Real Wage (Round III, Female)

```
REGRESS,Lhs=LnRWAGEM,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,e.
      ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevm11,ydevre1,ydevmr1,ydeve2,ydeve3
      ,ydeve4,ydeve5,ydeve6,ydeve7,ydevml,Wts=WTPOP$
```

```
+----------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = LNRWAGEM Mean=   2 756559758    , S D =   .8475213038    |
| Model size  Observations =  116496, Parameters =  30, Deg.Fr = 116466 |
| Residuals   Sum of squares= 33905 06696    , Std Dev =          53955 |
| Fit.        R-squared=   594812, Adjusted R-squared =          59471 |
| Model test  F[ 29, 116466] = 5895.56,    Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -184793 4897 |
|             LogAmemiyaPrCrt =   -1 234, Akaike Info  Crt =      2 270 |
| Autocorrel  Durbin-Watson Statistic =   1 60863,   Rho =          19568 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Constant	2 686700323	16289964E-01	164 930	0000	
AGEX1	- 5576536241	16965597E-01	-32 870	0000	10203886E-01
AGEX2	- 3300408436	67727882E-02	-48 730	0000	.10749318
AGEX3	- 2706023752	49434639E-02	-54.739	.0000	.18441927
AGEX5	2923347091	79321238E-02	36 855	0000	.79914870E-01
MIG1	- 2775219409	66409644E-02	-41 789	.0000	.22608556
REG1	- 3744532764E-02	75139916E-02	- 498	6182	.77973099
MRS1	2430441380	53766889E-02	45 203	0000	.54754489
ED2	6613407695E-01	13400423E-01	4 935	0000	.21860734E-01
ED3	3129093440	85893627E-02	36 430	0000	31588805
ED4	4960792192	90828821E-02	54 617	0000	22071301
ED5	6804363401	.10797771E-01	63 016	.0000	96307154E-01
ED6	8724299019	12816622E-01	68 070	.0000	.10023070
ED7	1.276731825	16392657E-01	77 884	.0000	19942177
MILLS	- 6053953663	17685314E-01	-34 232	.0000	93942790
YDEV	3 138729506	25088179	12 511	.0000	18179773E-01
YDEVA1	1 373188224	26975345	5 091	.0000	72553688E-05
YDEVA2	6444604869	95350786E-01	6.759	0000	.16771771E-02
YDEVA3	3276303584	67126480E-01	4.881	0000	38412567E-02
YDEVA5	- 3311411298	11595623	-2.856	0043	14720381E-02
YDEVMI1	- 8782717616E-01	10015425	-.877	3805	39243493E-02
YDEVRE1	- 7872839455	11569676	-6.805	0000	12809488E-01
YDEVMR1	1059883873	81782953E-01	1.296	1950	10871383E-01
YDEVE2	3860249444	18975132	2.034	0419	35771676E-03
YDEVE3	- 1822437727	12081994	-1 508	1315	56817809E-02
YDEVE4	- 5804847922	12463934	-4.657	0000	43412819E-02
YDEVE5	-1 373330434	15256864	-9.001	0000	20490728E-02
YDEVE6	-1 177958887	19067210	-6.178	0000	17392326E-02
YDEVE7	-1 197712813	.25371886	-4 721	0000	32019066E-02
YDEVML	- 9268020588	.28385072	-3 265	0011	17279934E-01

Table C.4: Estimate of Log Real Wage (Round III, Male)

```
REGRESS,Lhs=LnRWAGEM,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,e .
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,ydevml,Wts=WTPOP$
```

```
+-----------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP    |
| Dep. var. = LNRWAGEM Mean=   2.954930517    , S D =   .8027974557     |
| Model size. Observations =  141677, Parameters =  30, Deg Fr.= 141647 |
| Residuals.  Sum of squares= 44443 99194     , Std.Dev.=         .56015 |
| Fit:        R-squared=   513251, Adjusted R-squared =         .51315 |
| Model test  F[ 29, 141647] = 5150 33,     Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -216912 6380 |
|             LogAmemiyaPrCrt =   -1 159, Akaike Info  Crt =      2 342 |
| Autocorrel  Durbin-Watson Statistic =   1.65468,   Rho =        17266 |
+-----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	2.791821718	18307120E-01	152 499	0000	
AGEX1	- 5200915019	21823444E-01	-23 832	0000	59827882E-02
AGEX2	-.3670723654	77209284E-02	-47 543	0000	80978144E-01
AGEX3	-.2534844324	.52315513E-02	-48 453	0000	15920443
AGEX5	3741294428	65497244E-02	57.121	.0000	10814309
MIG1	- 1567820022	47483992E-02	-33 018	0000	23748878
REG1	- 1644683647	72469613E-02	-22 695	0000	80353018
MRS1	2351676153	43444549E-02	54 131	0000	65873017
ED2	1238770366	15010305E-01	8 253	0000	20008172E-01
ED3	3115171075	10755089E-01	28 965	0000	34447885
ED4	.4676848645	11406468E-01	41 002	0000	22016074
ED5	6640350896	12758227E-01	52 048	0000	13569946
ED6	8100759349	.14040564E-01	57 695	0000	10943340
ED7	1.349720025	17087576E-01	78 988	0000	14689553
MILLS	- 4325848075	17919447E-01	-24.141	.0000	92726408
YDEV	2 270680650	27063552	8 390	0000	.19547984E-01
YDEVA1	.3803470923	33134014	1 148	2510	40031912E-04
YDEVA2	7223862877	10884777	6 637	.0000	.15184551E-02
YDEVA3	3733067042	71690452E-01	5 207	.0000	33161974E-02
YDEVA5	- 2643861656	93701168E-01	-2 822	0048	.19432397E-02
YDEVMI1	2523309588	67811761E-01	3 721	0002	49238382E-02
YDEVRE1	-1 118904219	10918305	-10 248	0000	15172788E-01
YDEVMR1	- 1608131718	60568227E-01	-2 655	0079	13015787E-01
YDEVE2	- 1286135487	20801368	- 618	5364	29752952E-03
YDEVE3	- 3965545405	14636159	-2 709	0067	64145148E-02
YDEVE4	- 7554063184	15523379	-4 866	0000	51826454E-02
YDEVE5	- 6738815485	17934126	-3 758	0002	27761262E-02
YDEVE6	-.7597720423	20143390	-3 772	0002	19200104E-02
YDEVE7	-.3504473918	25219703	-1 390	.1647	.23694679E-02
YDEVML	.2157552163	.27482193	785	.4324	.18160505E-01

Table C.5: Estimate of above the 20th percentile (Round I, Female)

```
PROBIT,Lhs=RWAGEM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,ydevml,Wts=WTPOP,Prob=prob,Margin=RWAGEM1(1
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = RWAGEM1  Mean=    7340411607    , S D =    4418441415     |
| Model size  Observations =  129260, Parameters =  30, Deg Fr = 129230 |
| Residuals.  Sum of squares= 20123 62163    , Std Dev =          39461 |
| Fit         R-squared=   202543, Adjusted R-squared =          20236 |
| Model test  F[ 29, 129230] = 1131 82,    Prob value =          00000 |
| Diagnostic  Log-L = -63204 6209, Restricted(b=0) Log-L =  -77832 1771 |
|             LogAmemiyaPrCrt =   -1.859, Akaike Info  Crt =        978 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	9650155021	15723589E-01	61 374	.0000	
AGEX1	- 4573046106	11662815E-01	-39 210	0000	10604537E-01
AGEX2	- 2643150632	44885462E-02	-58 887	0000	10902556
AGEX3	- 1116126760	34924279E-02	-31 958	0000	18584234
AGEX5	9214479123E-01	71819673E-02	12 830	0000	71732445E-01
MIG1	- 1405658527	56430148E-02	-24.910	0000	.23245051
REG1	- 3646983395E-02	41551519E-02	- 878	3801	81072688
MRS1	1099098125	38404821E-02	28 619	0000	56329010
ED2	3354392866E-01	95794467E-02	3 502	0005	21096777E-01
ED3	1433034436	59928034E-02	23 913	0000	32434711
ED4	1956549021	66338406E-02	29 493	0000	24153172
ED5	3214567124	79488500E-02	40 441	0000	92829008E-01
ED6	2646938829	97136923E-02	27 250	0000	94415153E-01
ED7	1503091524	13487239E-01	11 145	0000	18527533
MILLS	- 4635053157	16494772E-01	-28 100	0000	83640860
YDEV	1 321238012	19104801	6.916	0000	12142642E-01
YDEVA1	5698808164	18281862	3 117	0018	14106784E-03
YDEVA2	6994056769	59513582E-01	11 752	0000	22298220E-02
YDEVA3	2837977334	44670358E-01	6 353	0000	.26974815E-02
YDEVA5	2005166248	88461598E-01	2 267	0234	.76912271E-03
YDEVMI1	- 2932126466	68134425E-01	-4 303	0000	32481177E-02
YDEVRE1	- 3342790128	52918890E-01	-6 317	0000	.67013344E-02
YDEVMR1	3520902825	47738777E-01	7.375	.0000	.69070047E-02
YDEVE2	- 1490874737	12896389	-1 156	2477	.36436912E-03
YDEVE3	7938286244E-01	79505414E-01	.998	3181	.45616396E-02
YDEVE4	- 3965750859	86636347E-01	-4 577	0000	.43465968E-02
YDEVE5	- 5131767360	10131966	-5 065	0000	.55153397E-03
YDEVE6	- 6324397552	12198727	-5 184	0000	.73076537E-03
YDEVE7	- 8711835273	16456650	-5 294	0000	.10088914E-02
YDEVML	-1 263235370	19605508	-6 443	0000	.10846931E-01

```
Normal exit from iterations  Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable              RWAGEM1   |
| Weighting variable                WTPOP   |
| Number of observations           129260   |
| Iterations completed                  7   |
| Log likelihood function       -58632.97   |
| Restricted log likelihood     -67536.31   |
| Chi-squared                    17806 66   |
| Degrees of freedom                   29   |
| Significance level                0000000 |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	2.841644615	91559915E-01	31.036	.0000	
AGEX1	-1 081003188	44664022E-01	-24.203	.0000	.10604537E-01
AGEX2	- 8423037265	16061424E-01	-52.443	0000	10902556
AGEX3	- 5960108546	15427352E-01	-38.633	0000	18584234

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX5	8887820563	.41707822E-01	21.310	0000	71732445E-01
MIG1	-1 010352881	.35444358E-01	-28 505	0000	23245051
REG1	1600187662	23474928E-01	6 817	.0000	81072688
MRS1	.7150293524	.22751159E-01	31 428	0000	.56329010
ED2	2226952198E-01	.31071944E-01	717	4736	21096777E-01
ED3	4441493868	.20005521E-01	22 201	0000	32434711
ED4	4757579086	23302305E-01	20 417	0000	24153172
ED5	7335020443	34075111E-01	21 526	0000	92829008E-01
ED6	5003052172	49592271E-01	10 088	0000	94415153E-01
ED7	4641447259	.76524064E-01	6 065	0000	18527533
MILLS	-2.997960156	10531792	-28 466	0000	83640860
YDEV	8.092542302	1 1740678	6 893	0000	12142642E-01
YDEVA1	2.734584902	66261548	4 127	0000	14106784E-03
YDEVA2	2.485672987	21413973	11 608	0000	22298220E-02
YDEVA3	1.237330119	20273290	6 103	0000	26974815E-02
YDEVA5	2.174466263	.53570883	4 059	0000	76912271E-03
YDEVMI1	-2.334329386	.45354370	-5.147	.0000	.32481177E-02
YDEVRE1	-1.172496995	30612787	-3 830	.0001	.67013344E-02
YDEVMR1	1 880051497	29320799	6 412	0000	69070047E-02
YDEVE2	- 7859175319	41805324	-1 880	0601	.36436912E-03
YDEVE3	3781241039	26491465	1 427	1535	45616396E-02
YDEVE4	-2 022108311	30486948	-6 633	0000	43465968E-02
YDEVE5	-3 130008595	43948932	-7 122	0000	55153397E-03
YDEVE6	-4 034562656	64192818	-6 285	0000	73076537E-03
YDEVE7	-4 496727176	98234217	-4 578	0000	10088914E-02
YDEVML	-7 687842654	1 3455042	-5 714	0000	10846931E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are RWAGEM1=

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	1 099243112	35418439E-01	31.036	0000	
AGEX1	- 4181681633	17342367E-01	-24 113	0000	31691021E-01
AGEX2	- 3258312335	62475548E-02	-52 153	0000	19400479
AGEX3	- 2305569189	59740034E-02	-38 593	0000	16717282
AGEX5	3438106049	16145381E-01	21 295	0000	10686341
MIG1	- 3908382631	13752724E-01	-28 419	0000	30108257
REG1	6190060701E-01	90812581E-02	6 816	0000	89810283
MRS1	2765972517	88374960E-02	31 298	0000	.46911287
ED2	8614595409E-02	12019746E-01	717	4736	39837079E-01
ED3	.1718118275	77567263E-02	22 150	0000	43881525
ED4	1840390602	90320744E-02	20 376	0000	32820036
ED5	2837431064	13199871E-01	21 496	0000	70384794E-01
ED6	1935347796	.19192290E-01	10 084	0000	32619958E-01
ED7	1795466930	.29607939E-01	6 064	0000	70742077E-02
MILLS	-1 159711188	40814689E-01	-28 414	0000	99060175
YDEV	3 130465837	45430093	6 891	0000	24758577E-01
YDEVA1	1 057828837	25631373	4 127	0000	69087856E-03
YDEVA2	9615413895	82867395E-01	11 603	0000	47473900E-02
YDEVA3	4786406449	78431631E-01	6 103	0000	37393762E-02
YDEVA5	8411562272	20724570	4 059	0000	27957948E-02
YDEVMI1	- 9029966262	17547124	-5 146	0000	64809282E-02
YDEVRE1	- 4535610258	11847484	-3 828	0001	25964893E-01
YDEVMR1	7272667554	11345473	6 410	0000	12002497E-01
YDEVE2	- 3040191689	16171912	-1 880	0601	11088892E-02
YDEVE3	1462710413	10248059	1 427	1535	10588603E-01
YDEVE4	- 7822190790	11793768	-6 632	0000	88455893E-02
YDEVE5	-1 210791938	17002874	-7 121	0000	15921112E-02
YDEVE6	-1 560703681	24833734	-6 285	0000	56936296E-03
YDEVE7	-1 739484365	38001814	-4 577	0000	10900711E-04
YDEVML	-2 973914487	52055772	-5 713	0000	25887279E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are RWAGEM1=

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	4186269885	13179903E-01	31 763	0000	
AGEX1	- 1592518315	73137820E-02	-21 774	0000	21921379E-02
AGEX2	- 1240869708	30041400E-02	-41 305	0000	56610481E-01
AGEX3	- 8780345996E-01	23504077E-02	-37 357	0000	15957184
AGEX5	1309340914	58979874E-02	22 200	0000	68351256E-01
MIG1	- 1488437300	50471034E-02	-29 491	0000	23509198
REG1	2357373397E-01	33842586E-02	6 966	0000	85190232
MRS1	1053370935	32758009E-02	32 156	0000	57682851
ED2	3280713877E-02	45796573E-02	716	4738	12896091E-01
ED3	6543144743E-01	30553961E-02	21.415	0000	22590870
ED4	7008796930E-01	37057706E-02	18 913	0000	14691274
ED5	1080584638	55814224E-02	19.360	0000	10746413
ED6	7370424343E-01	76236986E-02	9.668	0000	13458937
ED7	6837713196E-01	11261712E-01	6 072	0000	34953738
MILLS	- 4416551687	14999356E-01	-29 445	0000	71003366
YDEV	1 192181667	17096269	6 973	0000	15761271E-01
YDEVA1	4028551059	97488363E-01	4 132	0000	51639660E-04
YDEVA2	3661857615	32151366E-01	11 389	0000	14613167E-02
YDEVA3	1822816895	30238899E-01	6 028	0000	27593684E-02
YDEVA5	3203392355	78255904E-01	4 093	0000	85951358E-03
YDEVMI1	- 3438900403	66097216E-01	-5 203	0000	38405960E-02
YDEVRE1	- 1727305672	45705134E-01	-3 779	0002	17234951E-01
YDEVMR1	2769664764	.42736846E-01	6 481	0000	89238933E-02
YDEVE2	- 1157802379	.61572142E-01	-1 880	0601	25099486E-03
YDEVE3	5570469794E-01	.38995344E-01	1 428	1531	40293658E-02
YDEVE4	- 2978940815	44834656E-01	-6 644	0000	27419538E-02
YDEVE5	-.4611083544	64301108E-01	-7 171	.0000	13994342E-02
YDEVE6	- 5943659547	93709546E-01	-6 343	0000	.21804041E-02
YDEVE7	- 6624513657	14441416	-4 587	0000	.47950470E-02
YDEVML	-1 132561898	19585185	-5 783	0000	12026318E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	7226171867	22375129E-01	32 296	0000	
AGEX1	- 2748941506	11663925E-01	-23 568	0000	.10604537E-01
AGEX2	-.2141939728	42174358E-02	-50 788	.0000	.10902556
AGEX3	- 1515628255	38152434E-02	-39 726	.0000	.18584234
AGEX5	2260131988	10332378E-01	21 874	.0000	71732445E-01
MIG1	- 2569281016	86924123E-02	-29 558	.0000	.23245051
REG1	4069203799E-01	59270510E-02	6 865	.0000	81072688
MRS1	1818286834	55761628E-02	32.608	0000	56329010
ED2	5663037256E-02	79027353E-02	717	.4736	21096777E-01
ED3	1129451511	50891233E-02	22 193	.0000	32434711
ED4	1209830532	60258214E-02	20 077	.0000	24153172
ED5	1865262042	.89060400E-02	20 944	.0000	92829008E-01
ED6	1272253211	12765448E-01	9 966	.0000	94415153E-01
ED7	1180298741	19437709E-01	6 072	.0000	18527533
MILLS	- 7623675116	25877820E-01	-29 460	.0000	83640860
YDEV	2 057896375	29816427	6 902	.0000	12142642E-01
YDEVA1	6953923929	16847516	4 128	.0000	14106784E-03
YDEVA2	6320952352	54531755E-01	11 591	.0000	22298220E-02
YDEVA3	3146473718	51580567E-01	6 100	.0000	26974815E-02
YDEVA5	5529567933	13611736	4 062	0000	76912271E-03
YDEVMI1	- 5936092519	11520925	-5 152	0000	32481177E-02
YDEVRE1	- 2981606059	77893714E-01	-3 828	0001	67013344E-02

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVMR1	.4780884690	.74487694E-01	6.418	.0000	.69070047E-02
YDEVE2	-.1998552222	.10630269	-1.880	.0601	.36436912E-03
YDEVE3	.9615522462E-01	.67363364E-01	1.427	.1535	.45616396E-02
YDEVE4	-.5142128650	.77490697E-01	-6.636	.0000	.43465968E-02
YDEVE5	-.7959468239	.11165359	-7.129	.0000	.55153397E-03
YDEVE6	-1.025970771	.16305943	-6.292	.0000	.73076537E-03
YDEVE7	-1.143497088	.24994307	-4.575	.0000	.10088914E-02
YDEVML	-1.954983111	.34178952	-5.720	.0000	.10846931E-01

Marginal Effects for Probit			
Variable	RWAGEM1=	RWAGEM1=	All Obs
ONE	1.0992	.4186	.7226
AGEX1	-.4182	-.1593	-.2749
AGEX2	-.3258	-.1241	-.2142
AGEX3	-.2306	-.0878	-.1516
AGEX5	.3438	.1309	.2260
MIG1	-.3908	-.1488	-.2569
REG1	.0619	.0236	.0407
MRS1	.2766	.1053	.1818
ED2	.0086	.0033	.0057
ED3	.1718	.0654	.1129
ED4	.1840	.0701	.1210
ED5	.2837	.1081	.1865
ED6	.1935	.0737	.1272
ED7	.1795	.0684	.1180
MILLS	-1.1597	-.4417	-.7624
YDEV	3.1305	1.1922	2.0579
YDEVA1	1.0578	.4029	.6954
YDEVA2	.9615	.3662	.6321
YDEVA3	.4786	.1823	.3146

Marginal Effects for Probit			
Variable	RWAGEM1=	RWAGEM1=	All Obs
YDEVA5	.8412	.3203	.5530
YDEVMI1	-.9030	-.3439	-.5936
YDEVRE1	-.4536	-.1727	-.2982
YDEVMR1	.7273	.2770	.4781
YDEVE2	-.3040	-.1158	-.1999
YDEVE3	.1463	.0557	.0962
YDEVE4	-.7822	-.2979	-.5142
YDEVE5	-1.2108	-.4611	-.7959
YDEVE6	-1.5607	-.5944	-1.0260
YDEVE7	-1.7395	-.6625	-1.1435
YDEVML	-2.9739	-1.1326	-1.9550

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	791520074		27989
1	593695335		*****
Total	13851*****		*****

Table C.6: Estimate of above the 20th percentile (Round I, Male)

```
PROBIT,Lhs=RWAGEM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3
ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,ydevml,Wts=WTPOP,Prob=prob,Margin=RWAGEM1(r
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = RWAGEM1  Mean=    .8324916192    , S D =    3734302604    |
| Model size  Observations =  166770, Parameters =  30, Deg Fr = 166740 |
| Residuals   Sum of squares= 20410 72789    , Std Dev =          34987 |
| Fit         R-squared=   122344, Adjusted R-squared =          12219 |
| Model test  F[ 29, 166740) =  801 50,    Prob value =          00000 |
| Diagnostic  Log-L = -61481 6051, Restricted(b=0) Log-L =  -72363 4277 |
|             LogAmemiyaPrCrt =   -2 100, Akaike Info  Crt =        738 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Constant	9416394638	20929211E-01	44 992	0000	
AGEX1	- 4421458775	14692653E-01	-30 093	0000	57308245E-02
AGEX2	- 2310286458	42988339E-02	-53 742	0000	82044445E-01
AGEX3	- 9197129994E-01	28594659E-02	-32 164	0000	16284989
AGEX5	8490443000E-01	78192086E-02	10 858	0000	10335923
MIG1	- 5645853489E-01	57156620E-02	-9 878	0000	24687093
REG1	- 4763677119E-01	47426437E-02	-10 044	0000	83994207
MRS1	6584922831E-01	34621017E-02	19 020	0000	66574267
ED2	1055834016	88271520E-02	11 961	0000	19797532E-01
ED3	1521746753	63362886E-02	24 016	0000	36913777
ED4	1836963692	77160828E-02	23 807	0000	23913793
ED5	2451315462	91378773E-02	26 826	0000	12670561
ED6	2382398722	.10667920E-01	22 332	0000	95301284E-01
ED7	1702063252	16451841E-01	10 346	0000	12835243
MILLS	- 3123690668	.24236709E-01	-12 888	0000	.80697498
YDEV	- 3882281455	.27764100	-1 398	1620	.14733712E-01
YDEVA1	2016758851	20505580	984	3254	67835672E-04
YDEVA2	.6444981887	56809659E-01	11 345	0000	15766931E-02
YDEVA3	2979651568	37082154E-01	8 035	0000	27411703E-02
YDEVA5	- 4629615119	10299429	-4 495	0000	14555968E-02
YDEVMI1	2440725809	75197932E-01	3 246	0012	35127019E-02
YDEVRE1	- 4394194207	63024007E-01	-6 972	0000	10635154E-01
YDEVMR1	- 1997320936E-01	45435339E-01	- 440	6602	95124494E-02
YDEVE2	- 1749975075	11839851	-1 478	1394	34947700E-03
YDEVE3	8157195815E-01	84541164E-01	965	3346	64988399E-02
YDEVE4	- 1785939465	10234392	-1 745	0810	.43756685E-02
YDEVE5	- 1484571669	12106564	-1 226	2201	13147412E-02
YDEVE6	- 5607634845E-01	14166018	- 396	6922	86133508E-03
YDEVE7	2778567703	21873893	1 270	2040	90100920E-03
YDEVML	9537338204	32100904	2 971	0030	12355494E-01

```
Normal exit from iterations  Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable              RWAGEM1   |
| Weighting variable                WTPOP   |
| Number of observations           166770   |
| Iterations completed                  7   |
| Log likelihood function       -63688 78   |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	2 082885619	.96084737E-01	21 678	0000	
AGEX1	-1 072511141	62278977E-01	-17 221	0000	57308245E-02
AGEX2	- 7686457078	18761974E-01	-40 968	0000	82044445E-01
AGEX3	-.4465688301	13163942E-01	-33 924	0000	16284989
AGEX5	4454245123	.39037153E-01	11 410	0000	10335923
MIG1	- 3400150055	28420696E-01	-11 964	0000	24687093

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
REG1	- 4256103653	25457737E-01	-16 718	0000	83994207
MRS1	3418270179	17637411E-01	19 381	0000	66574267
ED2	2786530216	33573119E-01	8 300	0000	.19797532E-01
ED3	.4027265750	.23622770E-01	17 048	.0000	.36913777
ED4	5739620282	.31027568E-01	18.498	.0000	23913793
ED5	8495092791	39234649E-01	21.652	0000	12670561
ED6	9660695660	47898936E-01	20.169	0000	.95301284E-01
ED7	1 335421400	80733063E-01	16 541	0000	12835243
MILLS	-1 523126198	11515322	-13 227	0000	80697498
YDEV	-3 060379787	1.3057147	-2.344	0191	14733712E-01
YDEVA1	- 8954520766	86134519	-1 040	2985	67835672E-04
YDEVA2	1 750314683	25205784	6 944	.0000	15766931E-02
YDEVA3	1 590009992	17641876	9.013	0000	27411703E-02
YDEVA5	-3 416112626	52836955	-6 465	0000	14555968E-02
YDEVMI1	1 843993498	.38436051	4 798	0000	.35127019E-02
YDEVRE1	-4.396176453	.35118458	-12 518	.0000	.10635154E-01
YDEVMR1	- 5945683747	23817598	-2.496	.0125	.95124494E-02
YDEVE2	- 4190734812	.45614848	-.919	.3582	.34947700E-03
YDEVE3	4800915920	.31783437	1.511	1309	64988399E-02
YDEVE4	- 2699209430	.41716339	-.647	5176	43756685E-02
YDEVE5	3044838509	52870324	576	5647	.13147412E-02
YDEVE6	8878559794	.64906395	1 368	1713	86133508E-03
YDEVE7	3 449906805	1.0867085	3 175	0015	90100920E-03
YDEVML	7 992874363	1.5638134	5 111	0000	12355494E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are RWAGEM1=

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.6564044013	30382525E-01	21 605	0000	
AGEX1	- 3379931315	19737974E-01	-17 124	0000	28444107E-01
AGEX2	- 2422324207	60028815E-02	-40 353	0000	19133403
AGEX3	- 1407325217	41668104E-02	-33 775	0000	16507064
AGEX5	1403718992	.12330221E-01	11 384	0000	12676590
MIG1	- 1071529536	89892876E-02	-11 920	0000	25215701
REG1	- 1341276326	80194829E-02	-16 725	0000	94349104
MRS1	1077239945	56047836E-02	19 220	0000	53835214
ED2	8781522525E-01	10589201E-01	8.293	0000	36550678E-01
ED3	1269159928	74804103E-02	16 966	0000	44775766
ED4	1808794482	98132350E-02	18 432	.0000	.31956955
ED5	2677159152	.12392932E-01	21 602	.0000	.97326254E-01
ED6	3044489381	15120281E-01	20 135	0000	37878070E-01
ED7	4208471539	25449880E-01	16.536	0000	60206694E-02
MILLS	- 4800007889	36429808E-01	-13.176	0000	92105527
YDEV	- 9644537094	41151979	-2 344	0191	22607291E-01
YDEVA1	- 2821944128	27147739	-1 039	2986	64677159E-03
YDEVA2	5515973854	79425363E-01	6 945	0000	43637432E-02
YDEVA3	5010786704	55652258E-01	9 004	0000	32647293E-02
YDEVA5	-1 076560010	16662803	-6 461	0000	32229260E-02
YDEVMI1	5811194994	12118615	4 795	0000	45468759E-02
YDEVRE1	-1 385419125	11115086	-12 464	0000	24105011E-01
YDEVMR1	- 1873733701	75066854E-01	-2 496	0126	12062596E-01
YDEVE2	- 1320675869	14375036	- 919	3582	84335350E-03
YDEVE3	1512969465	10016710	1 510	1309	95293401E-02
YDEVE4	- 8506338194E-01	13146197	- 647	5176	80356025E-02
YDEVE5	9595560024E-01	16662020	576	5647	21146060E-02
YDEVE6	2798005648	20456447	1 368	1714	62493126E-03
YDEVE7	1 087209970	34255496	3 174	0015	92898455E-04
YDEVML	2 518889113	49306015	5 109	0000	21607978E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are RWAGEM1=

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	2994652318	13959554E-01	21 452	0000	
AGEX1	- 1541994406	91857883E-02	-16 787	0000	16474917E-02
AGEX2	- 1105114285	29455918E-02	-37 518	0000	45086356E-01
AGEX3	- 6420508020E-01	19390706E-02	-33 111	0000	11666987
AGEX5	6404055681E-01	56068424E-02	11 422	0000	12288229
MIG1	- 4888538839E-01	40840070E-02	-11 970	0000	24295697
REG1	- 6119179351E-01	37209465E-02	-16 445	0000	86632664
MRS1	4914590903E-01	25497186E-02	19 275	0000	72074329
ED2	4006311770E-01	48520022E-02	8.257	0000	14889206E-01
ED3	5790169467E-01	34676068E-02	16 698	0000	31269392
ED4	8252093647E-01	45630497E-02	18.085	0000	16273099
ED5	1221375244	57955584E-02	21.074	0000	15589390
ED6	1388958875	70127083E-02	19 806	.0000	13035092
ED7	1919991552	11147838E-01	17 223	0000	20843516
MILLS	- 2189862640	16580500E-01	-13 207	0000	76666899
YDEV	- 4400036824	18763630	-2 345	0190	19334063E-01
YDEVA1	- 1287429138	12382964	-1 040	2985	36654631E-04
YDEVA2	2516501087	36372306E-01	6 919	0000	11264265E-02
YDEVA3	2286024285	25454039E-01	8 981	.0000	.24460096E-02
YDEVA5	- 4911488898	76056563E-01	-6 458	.0000	.23811513E-02
YDEVMI1	2651187062	55282764E-01	4 796	.0000	46021919E-02
YDEVRE1	- 6320567911	51287358E-01	-12 324	0000	21075259E-01
YDEVMR1	- 8548359763E-01	.34240042E-01	-2 497	0125	13970489E-01
YDEVE2	- 6025195818E-01	65589239E-01	- 919	.3583	.36157843E-03
YDEVE3	6902478878E-01	45698591E-01	1 510	.1309	72098005E-02
YDEVE4	- 3880767000E-01	59982677E-01	- 647	.5176	34344195E-02
YDEVE5	4377692474E-01	76006815E-01	576	.5646	.26550461E-02
YDEVE6	1276507909	93298105E-01	1 368	1712	.21290487E-02
YDEVE7	4960076212	15606546	3 178	0015	32262953E-02
YDEVML	1 149169187	22495867	5 108	0000	.16242503E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	3936243517	18102828E-01	21.744	0000	
AGEX1	- 2026834784	11895537E-01	-17 039	.0000	.57308245E-02
AGEX2	- 1452588974	36566073E-02	-39.725	.0000	.82044445E-01
AGEX3	- 8439271202E-01	25008049E-02	-33.746	.0000	16284989
AGEX5	8417645849E-01	73722339E-02	11.418	0000	10335923
MIG1	- 6425613816E-01	.53623187E-02	-11.983	0000	.24687093
REG1	- 8043197503E-01	47946044E-02	-16.776	0000	.83994207
MRS1	6459857281E-01	33310561E-02	19.393	.0000	.66574267
ED2	5265993196E-01	63566903E-02	8 284	.0000	.19797532E-01
ED3	7610738944E-01	44998655E-02	16.913	.0000	.36913777
ED4	1084675170	59088297E-02	18 357	.0000	.23913793
ED5	1605405194	.74870768E-02	21 442	.0000	.12670561
ED6	1825681176	.91011098E-02	20 060	0000	.95301284E-01
ED7	2523683385	.14901549E-01	16 936	.0000	.12835243
MILLS	- 2878408478	21752164E-01	-13 233	0000	.80697498
YDEV	- 5783514940	24673622	-2 344	.0191	14733712E-01
YDEVA1	- 1692228032	16275804	-1 040	2985	67835672E-04
YDEVA2	.3307749961	47705541E-01	6 934	.0000	15766931E-02
YDEVA3	3004805672	33331860E-01	9 015	0000	27411703E-02
YDEVA5	- 6455779930	99789397E-01	-6 469	0000	14555968E-02
YDEVMI1	3484784468	72603568E-01	4 800	0000	35127019E-02

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVRE1	- 8307907502	.66058808E-01	-12 577	0000	10635154E-01
YDEVMR1	- 1123617105	.44997436E-01	-2 497	0125	95124494E-02
YDEVE2	- 7919663271E-01	86206456E-01	- 919	3583	34947700E-03
YDEVE3	9072785367E-01	60063826E-01	1 511	1309	64988399E-02
YDEVE4	- 5100974111E-01	78839810E-01	- 647	.5176	43756685E-02
YDEVE5	5754144985E-01	99908195E-01	576	5647	13147412E-02
YDEVE6	1677872904	12264344	1 368	.1713	86133508E-03
YDEVE7	6519644272	20531908	3 175	.0015	90100920E-03
YDEVML	1 510495805	29536491	5 114	.0000	12355494E-01

Marginal Effects for Probit			
Variable	RWAGEM1=	RWAGEM1=	All Obs
ONE	.6564	2995	.3936
AGEX1	- 3380	- 1542	- 2027
AGEX2	- 2422	- 1105	- 1453
AGEX3	- 1407	- 0642	- 0844
AGEX5	1404	0640	0842
MIG1	- 1072	- 0489	- 0643
REG1	- 1341	- 0612	- 0804
MRS1	1077	0491	0646
ED2	0878	0401	0527
ED3	1269	0579	0761
ED4	1809	0825	1085
ED5	.2677	1221	1605
ED6	.3044	1389	.1826
ED7	.4208	1920	2524
MILLS	- 4800	- 2190	- 2878
YDEV	-.9645	-.4400	- 5784
YDEVA1	-.2822	-.1287	-.1692
YDEVA2	5516	2517	.3308
YDEVA3	5011	2286	.3005

Marginal Effects for Probit			
Variable	RWAGEM1=	RWAGEM1=	All Obs
YDEVA5	-1 0766	- 4911	- 6456
YDEVMI1	5811	2651	3485
YDEVRE1	-1 3854	- 6321	- 8308
YDEVMR1	- 1874	- 0855	- 1124
YDEVE2	- 1321	- 0603	- 0792
YDEVE3	1513	0690	0907
YDEVE4	- 0851	- 0388	- 0510
YDEVE5	0960	0438	0575
YDEVE6	2798	1277	1678
YDEVE7	1.0872	4960	6520
YDEVML	2 5189	1 1492	1 5105

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	118119913		21094
1	931*****		*****
Total	2112*****		*****

Table C.7 Estimate of above the 20th percentile (Round III, Female)

```
PROBIT,Lhs=RWAGEM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3
   ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
   ,ydeve4,ydeve5,ydeve6,ydeve7,ydevml;Wts=WTPOP,Prob=prob,Margin=RWAGEM1(r
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep var  = RWAGEM1  Mean=    6935690361    , S D =   .4610128552     |
| Model size  Observations =  116496, Parameters =  30, Deg Fr = 116466 |
| Residuals   Sum of squares= 18219 24690    , Std Dev =          39552 |
| Fit         R-squared=   264137, Adjusted R-squared =          26395 |
| Model test  F[ 29, 116466] = 1441 56,     Prob value =          00000 |
| Diagnostic  Log-L = -57228.5854, Restricted(b=0) Log-L =  -75093 8933 |
|             LogAmemiyaPrCrt =   -1 855, Akaike Info Crt =        983 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	6404842045	.11941339E-01	53 636	.0000	
AGEX1	-.4269590445	12436611E-01	-34 331	0000	.10203886E-01
AGEX2	- 2278956796	49647845E-02	-45 902	0000	10749318
AGEX3	-.8251116670E-01	.36238004E-02	-22 769	0000	18441927
AGEX5	2099849260E-01	58146341E-02	3 611	0003	79914870E-01
MIG1	- 8287697910E-01	48681512E-02	-17 024	0000	22608556
REG1	- 1249782268E-02	55081228E-02	- 227	8205	77973099
MRS1	8332942496E-01	39413755E-02	21 142	0000	54754489
ED2	6616651633E-01	98231646E-02	6.736	0000	21860734E-01
ED3	1979741257	62964223E-02	31 442	.0000	31588805
ED4	3079381974	66581962E-02	46 249	0000	22071301
ED5	4494182870	79152932E-02	56 778	0000	96307154E-01
ED6	4426245179	93952097E-02	47 112	0000	10023070
ED7	4059039219	12016618E-01	33.779	0000	19942177
MILLS	- 2634422109	12964199E-01	-20.321	0000	93942790
YDEV	2 454348820	18390860	13.345	0000	18179773E-01
YDEVA1	1 206189743	19774246	6.100	0000	72553688E-05
YDEVA2	1 280500672	69896783E-01	18 320	0000	16771771E-02
YDEVA3	6976979986	49206988E-01	14 179	0000	38412567E-02
YDEVA5	- 2444633679	85001580E-01	-2 876	0040	14720381E-02
YDEVMI1	- 3925052023	73417954E-01	-5 346	0000	39243493E-02
YDEVRE1	1025443969	84811372E-01	1 209	2266	12809488E-01
YDEVMR1	2167589864	59950898E-01	3 616	0003	.10871383E-01
YDEVE2	4970805069	13909699	3 574	0004	35771676E-03
YDEVE3	2563058474	88566918E-01	2 894	0038	56817809E-02
YDEVE4	- 4966048688	91366725E-01	-5 435	.0000	43412819E-02
YDEVE5	-1.539355957	11184026	-13 764	0000	20490728E-02
YDEVE6	-1.691711137	13977196	-12 103	.0000	.17392326E-02
YDEVE7	-2.142545948	18598832	-11.520	.0000	32019066E-02
YDEVML	-1.229326437	20807644	-5.908	.0000	.17279934E-01

Normal exit from iterations. Exit status=0

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable              RWAGEM1   |
| Weighting variable                WTPOP   |
| Number of observations           116496   |
| Iterations completed                  7   |
| Log likelihood function       -53522.34   |
| Restricted log likelihood     -65952.07   |
| Chi-squared                    24859.46   |
| Degrees of freedom                   29   |
| Significance level              0000000   |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Index function for probability					
Constant	7454118111	51247108E-01	14 545	0000	
AGEX1	-1 308893641	52820536E-01	-24 780	0000	10203886E-01
AGEX2	- 6514840144	18411554E-01	-35 385	0000	10749318

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX3	-.3355981092	13853481E-01	-24 225	.0000	.18441927
AGEX5	.1732546777	.25314781E-01	6 844	0000	79914870E-01
MIG1	- 3899204969	.23429431E-01	-16 642	0000	22€ 556
REG1	4507796110E-04	.28788323E-01	002	9988	77973099
MRS1	3833721010	19702197E-01	19 458	0000	54754489
ED2	1654164688	32782725E-01	5 046	0000	21860734E-01
ED3	5695258726	22101762E-01	25 768	0000	31588805
ED4	.9103752806	22819592E-01	39 894	.0000	22071301
ED5	1 276591122	30011468E-01	42 537	0000	96307154E-01
ED6	1 385784707	40401905E-01	34 300	0000	10023070
ED7	1 779691391	57541490E-01	30 929	0000	19942177
MILLS	-1 082193836	65083921E-01	-16 628	.0000	.93942790
YDEV	5 562715162	.78088134	7 124	0000	.18179773E-01
YDEVA1	5 439349088	80077843	6.793	.0000	.72553688E-05
YDEVA2	3.116495740	26374162	11.816	0000	16771771E-02
YDEVA3	2.466443886	.19303698	12.777	0000	38412567E-02
YDEVA5	-2.008569092	37410023	-5.369	0000	14720381E-02
YDEVMI1	- 3632848346	35628561	-1 020	3079	39243493E-02
YDEVRE1	-2.182967325	.44130717	-4 947	0000	12809488E-01
YDEVMR1	- 3009670240	30173183	- 997	3185	10871383E-01
YDEVE2	1 252208415	46024157	2 721	0065	35771676E-03
YDEVE3	- 7571332197E-01	30966801	- 244	8068	56817809E-02
YDEVE4	-1 837678324	30984962	-5 931	.0000	43412819E-02
YDEVE5	-3 279604010	42585919	-7 701	0000	.20490728E-02
YDEVE6	-1 880857245	60223307	-3 123	.0018	.17392326E-02
YDEVE7	-.6590163577	.87853028	- 750	.4532	.32019066E-02
YDEVML	4269612479E-01	1 0134173	.042	9664	.17279934E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are RWAGEM1=

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	2959960561	20342846E-01	14 550	0000	
AGEX1	- 5197494188	21022784E-01	-24 723	.0000	31290213E-01
AGEX2	- 2586982068	73193884E-02	-35 344	0000	18344057
AGEX3	- 1332628693	.55017568E-02	-24.222	.0000	16376566
AGEX5	6879781153E-01	.10052908E-01	6.844	0000	11754148
MIG1	- 1548337812	93117270E-02	-16 628	0000	28885879
REG1	1790003660E-04	11431574E-01	002	9988	87897054
MRS1	1522334745	78318408E-02	19 438	0000	47189299
ED2	6568533210E-01	13018298E-01	5 046	0000	38537081E-01
ED3	2261533955	87872303E-02	25 737	0000	.44480190
ED4	3615015064	90829013E-02	39 800	0000	30802574
ED5	5069223908	11938714E-01	42 460	0000	73145953E-01
ED6	5502821418	16059099E-01	34 266	0000	34913647E-01
ED7	7066988004	22863535E-01	30 909	0000	10667118E-01
MILLS	- 4297290471	25857081E-01	-16 619	0000	1 1670954
YDEV	2 208902146	31011247	7 123	0000	16643437E-01
YDEVA1	2 159914632	31806517	6 791	0000	18276329E-03
YDEVA2	1 237531300	10474940	11 814	0000	24535015E-02
YDEVA3	9794017912	76670733E-01	12 774	0000	17839451E-02
YDEVA5	- 7975839941	.14855638	-5 369	0000	29282899E-02
YDEVMI1	- 1442570089	14147795	-1 020	3079	40088893E-02
YDEVRE1	- 8668359008	.17527376	-4 946	0000	19702123E-01
YDEVMR1	- 1195111894	11981454	- 997	3185	92012022E-02
YDEVE2	4972402461	18275864	2 721	0065	68619370E-03
YDEVE3	- 3006505178E-01	12296637	- 244	8068	75581849E-02
YDEVE4	- 7297248690	12304451	-5 931	0000	.49133390E-02
YDEVE5	-1 302300068	16911260	-7 701	0000	13612970E-02
YDEVE6	- 7468708148	23914305	-3 123	0018	20636979E-03
YDEVE7	- 2616892299	34885575	- 750	4532	- 10947850E-03
YDEVML	1695423169E-01	40241858	042	9664	22552379E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are RWAGEM1=

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	1317380292	90271729E-02	14 593	0000	
AGEX1	- 2313232311	99352154E-02	-23 283	0000	19202907E-02
AGEX2	- 1151379933	36129547E-02	-31 868	0000	54389072E-01
AGEX3	- 5931088406E-01	25023150E-02	-23 702	0000	15992457
AGEX5	3061962454E-01	44518091E-02	6 878	0000	71510705E-01
MIG1	- 6891138164E-01	.41385978E-02	-16 651	0000	22768668
REG1	7966712717E-05	50878012E-02	002	9988	83785617
MRS1	6775407135E-01	.34890215E-02	19 419	0000	56615229
ED2	2923436316E-01	.58082623E-02	5 033	0000	11429754E-01
ED3	1006533770	40737191E-02	24 708	0000	21201389
ED4	1608923329	44994481E-02	35 758	0000	13557022
ED5	2256143463	61642638E-02	36 600	0000	10789274
ED6	2449123336	79097121E-02	30 963	0000	14125060
ED7	3145282015	10058686E-01	31 269	0000	37270887
MILLS	- 1912581488	11475672E-01	-16 666	0000	77479818
YDEV	9831090967	13766306	7 141	*0000*	*30870378E-01*
YDEVA1	9613063788	14178428	6 780	0000	86225651E-04
YDEVA2	5507841445	47041210E-01	11 709	0000	18791493E-02
YDEVA3	4358992597	34760160E-01	12 540	0000	49718879E-02
YDEVA5	- 3549781874	66632002E-01	-5 327	0000	21934733E-02
YDEVMI1	- 6420401103E-01	62893984E-01	-1 021	3073	71137755E-02
YDEVRE1	- 3857999147	78814150E-01	-4 895	0000	31212511E-01
YDEVMR1	- 5319046733E-01	53392154E-01	- 996	3191	18050161E-01
YDEVE2	2213051448	81401769E-01	2 719	0066	44312030E-03
YDEVE3	- 1338095757E-01	54736815E-01	- 244	8069	73488030E-02
YDEVE4	- 3247763411	55017118E-01	-5 903	0000	47373560E-02
YDEVE5	- 5796105754	75363981E-01	-7 691	.0000	32690040E-02
YDEVE6	- 3324074330	10634530	-3 126	.0018	38801877E-02
YDEVE7	- 1164691985	15544595	- 749	.4537	10545601E-01
YDEVML	7545766313E-02	17911325	042	9664	26887348E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	2191617337	.15013582E-01	14 598	0000	
AGEX1	- 3848334509	.15704440E-01	-24 505	0000	10203886E-01
AGEX2	-.1915456180	.54799805E-02	-34 954	0000	10749318
AGEX3	-.9867064399E-01	40713072E-02	-24.236	.0000	18441927
AGEX5	5093935320E-01	.74415232E-02	6 845	0000	79914870E-01
MIG1	-.1146422029	68879432E-02	-16 644	0000	22608556
REG1	1325356529E-04	84641797E-02	002	9988	77973099
MRS1	1127168809	57937749E-02	19.455	0000	54754489
ED2	4863480767E-01	96423430E-02	5.044	0000	21860734E-01
ED3	1674487522	65513236E-02	25.560	0000	.31588805
ED4	2676633531	68078916E-02	39.317	0000	.22071301
ED5	3753360483	89721580E-02	41.833	0000	96307154E-01
ED6	4074405240	.11943264E-01	34.115	0000	10023070
ED7	5232547228	.16438681E-01	31.831	*0000*	19942177
MILLS	- 3181804657	19158729E-01	-16 608	0000	93942790
YDEV	1.635517818	22978117	7 118	.0000	.18179773E-01
YDEVA1	1 599246428	23581536	6 782	.0000	72553688E-05
YDEVA2	9162943210	77765401E-01	11 783	.0000	16771771E-02
YDEVA3	7251697788	56816065E-01	12 763	0000	38412567E-02
YDEVA5	- 5905480404	10995517	-5 371	0000	14720381E-02
YDEVMI1	- 1068[illegible]09372	10476079	-1 020	3079	.39243493E-02
YDEVRE1	- 64[illegible]0236152	12964071	-4 951	0000	12809488E-01
YDEVMR1	- 8848860961E-01	88706589E-01	- 998	3185	.10871383E-01

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE2	3681671838	.13532878	2 721	0065	35771676E-03
YDEVE3	- 2226079954E-01	91046233E-01	- 244	8068	.56817809E-02
YDEVE4	- 5403037105	91143359E-01	-5 928	0000	.43412819E-02
YDEVE5	- 9642504853	12540080	-7 689	0000	.20490728E-02
YDEVE6	- 5529989310	17719793	-3 121	0018	.17392326E-02
YDEVE7	-.1937602347	25844290	- 750	4534	.32019066E-02
YDEVML	.1255327135E-01	.29795783	042	.9664	.17279934E-01

Marginal Effects for Probit			
Variable	RWAGEM1=	RWAGEM1=	All Obs
ONE	.2960	1317	2192
AGEX1	-.5197	-.2313	- 3848
AGEX2	-.2587	-.1151	-.1915
AGEX3	-.1333	-.0593	-.0987
AGEX5	.0688	0306	0509
MIG1	-.1548	- 0689	- 1146
REG1	.0000	0000	0000
MRS1	1522	0678	1127
ED2	0657	0292	0486
ED3	2262	1007	1674
ED4	3615	1609	2677
ED5	.5069	2256	3753
ED6	5503	2449	4074
ED7	.7067	3145	.5233
MILLS	-.4297	-.1913	-.3182
YDEV	2.2089	9831	1.6355
YDEVA1	2.1599	9613	1 5992
YDEVA2	1 2375	5508	9163
YDEVA3	9794	4359	7252

Marginal Effects for Probit			
Variable	RWAGEM1=	RWAGEM1=	All Obs
YDEVA5	- 7976	- 3550	-.5905
YDEVMI1	- 1443	- 0642	- 1068
YDEVRE1	- 8668	- 3858	- 6418
YDEVMR1	- 1195	- 0532	- 0885
YDEVE2	.4972	2213	3682
YDEVE3	- 0301	- 0134	- 0223
YDEVE4	- 7297	- 3248	- 5403
YDEVE5	-1 3023	- 5796	- 9643
YDEVE6	- 7469	- 3324	- 5530
YDEVE7	- 2617	- 1165	- 1938
YDEVML	0170	0075	0126

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	1339016140		29530
1	924277724		86966
Total	2263293864		*****

Table C 8 : Estimate of above the 20th percentile (Round III, Male)

```
PROBIT,Lhs=RWAGEM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,ydevml,Wts=WTPOP,Prob=prob;Margin=RWAGEM1(1
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = RWAGEM1  Mean=    8065779183    , S D =    3949823808     |
| Model size  Observations =  141677, Parameters =  30, Deg Fr = 141647 |
| Residuals   Sum of squares= 17908.94960    , Std Dev =          35558 |
| Fit         R-squared=   .189751, Adjusted R-squared =          18959 |
| Model test  F[ 29, 141647] = 1143 87,    Prob value =          00000 |
| Diagnostic  Log-L = -54519 2822, Restricted(b=0) Log-L =  -69424 6911 |
|             LogAmemiyaPrCrt =   -2 068, Akaike Info  Crt =        770 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	7273010518	11621135E-01	62.584	0000	
AGEX1	- 4307088999	13853254E-01	-31 091	0000	59827882E-02
AGEX2	- 2590252678	49011507E-02	-52 850	0000	80978144E-01
AGEX3	- 9346713831E-01	33209246E-02	-28 145	*0000*	15920443
AGEX5	2443608912E-01	41576847E-02	5 877	0000	10814309
MIG1	- 2565687472E-01	30142256E-02	-8 512	0000	23748878
REG1	- 6535005065E-01	46002822E-02	-14 206	0000	80353018
MRS1	6623920202E-01	27578067E-02	24 019	0000	65873017
ED2	9487634677E-01	95283573E-02	9 957	0000	20008172E-01
ED3	2006169374	68271985E-02	29.385	0000	34447885
ED4	2525740613	72406857E-02	34.883	0000	22016074
ED5	3394878465	80987658E-02	41 918	0000	13569946
ED6	3493291561	89127776E-02	39 194	0000	.10943340
ED7	3368015043	10846983E-01	31 050	0000	14689553
MILLS	- 1593032909	11375045E-01	-14 005	0000	92726408
YDEV	9716356220	17179611	5 656	0000	19547984E-01
YDEVA1	4456245214	21033066	2 119	0341	40031912E-04
YDEVA2	1 214469266	69095230E-01	17 577	0000	15184551E-02
YDEVA3	6649109007	45508220E-01	14 611	0000	33161974E-02
YDEVA5	- 4452817162	59480352E-01	-7 486	0000	19432397E-02
YDEVMI1	1046249352	43046074E-01	2 431	0151	49238382E-02
YDEVRE1	- 8857755224E-02	69308063E-01	- 128	8983	15172788E-01
YDEVMR1	- 2169256913	38447967E-01	-5 642	0000	.13015787E-01
YDEVE2	8832735923E-01	13204453	669	5035	.29752952E-03
YDEVE3	- 2709258475	92908540E-01	-2 916	0035	.64145148E-02
YDEVE4	- 6809745935	98540509E-01	-6 911	0000	.51826454E-02
YDEVE5	- 9626996786	11384363	-8 456	.0000	.27761262E-02
YDEVE6	- 9758911472	.12786777	-7 632	.0000	19200104E-02
YDEVE7	-1 054340462	16009158	-6 586	.0000	23694679E-02
YDEVML	5452198707	17445359	3 125	.0018	18160505E-01

Normal exit from iterations Exit status=0

Binomial Probit Model	
Maximum Likelihood Estimates	
Dependent variable	RWAGEM1
Weighting variable	WTPOP
Number of observations	141677
Iterations completed	7
Log likelihood function	-54963 34
Restricted log likelihood	-59132 65
Chi-squared	8338 618
Degrees of freedom	29
Significance level	0000000

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Index function for probability					
Constant	9043515637	50971275E-01	17 742	0000	
AGEX1	-1 320873287	58819451E-01	-22 456	0000	59827882E-02
AGEX2	- 8289376500	20852748E-01	-39 752	0000	80978144E-01

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX3	-.3958777802	14651490E-01	-27 020	.0000	.15920443
AGEX5	41958327 35E-01	19745067E-01	2 125	.0336	.10814309
MIG1	- 1102367810	14137676E-01	-7 797	.0000	23748878
REG1	- 5754985771	25384362E-01	-22 671	.0000	80353018
MRS1	2700887444	13072682E-01	20 661	.0000	65873017
ED2	2648406744	35142296E-01	7 536	.0000	20008172E-01
ED3	5412469978	24949834E-01	21 693	0000	34447885
ED4	8177293367	27171024E-01	30.096	.0000	.22016074
ED5	1 209741251	.33067438E-01	36.584	.0000	.13569946
ED6	1 421110837	38921181E-01	36.513	.0000	.10943340
ED7	2.082226052	.56141639E-01	37.089	.0000	.14689553
MILLS	-.3972906888	.55976988E-01	-7.097	.0000	.92726408
YDEV	2 899798995	.73915316	3.923	.0001	.19547984E-01
YDEVA1	-.3953133688	.86816296	-.455	.6489	.40031912E-04
YDEVA2	1.890259462	.29605168	6.385	.0000	.15184551E-02
YDEVA3	1 650768499	.20681065	7.982	.0000	.33161974E-02
YDEVA5	-2 675944161	.27992160	-9.560	.0000	.19432397E-02
YDEVMI1	.5778085357	.20228247	2.856	.0043	.49238382E-02
YDEVRE1	-3 473723916	.37525683	-9 257	0000	.15172788E-01
YDEVMR1	- 8129130862	.18488912	-4 397	0000	13015787E-01
YDEVE2	6078611382	49468163	1.229	2191	29752952E-03
YDEVE3	-.3911067980	.34239360	-1.142	2533	.64145148E-02
YDEVE4	-1 182815186	.37292491	-3.172	0015	.51826454E-02
YDEVE5	-.5365061146	46841634	-1.145	.2521	27761262E-02
YDEVE6	.5739677254	.56001298	1.025	3054	19200104E-02
YDEVE7	.6251720882	.80874679	.773	.4395	.23694679E-02
YDEVML	4.419393094	.81356406	5.432	.0000	.18160505E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are RWAGEM1=

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.3146973910	17701176E-01	17 778	.0000	
AGEX1	- 4596391427	20686321E-01	-22 219	.0000	.28771795E-01
AGEX2	- 2884547628	73672327E-02	-39 154	.0000	.19227629
AGEX3	- 1377580463	51050361E-02	-26 985	0000	.16619434
AGEX5	1460071136E-01	68702884E-02	2 125	.0336	13559729
MIG1	- 3836033329E-01	49265551E-02	-7 786	.0000	.26086748
REG1	- 2002627164	88560309E-02	-22 613	.0000	.92631731
MRS1	9398581992E-01	45771738E-02	20 534	0000	.52514530
ED2	9215958993E-01	12236778E-01	7 531	0000	37705942E-01
ED3	1883438089	87330243E-02	21 567	0000	43513137
ED4	2845544799	95442356E-02	29 814	.0000	.31893943
ED5	4209672772	11622815E-01	36 219	0000	10034103
ED6	4945199308	13673296E-01	36 167	.0000	.44142370E-01
ED7	7245756323	19703199E-01	36.775	0000	.86459484E-02
MILLS	- 1382497120	19495165E-01	-7 091	0000	1 1252747
YDEV	1 009075690	25729983	3 922	0001	11237668E-01
YDEVA1	- 1375616417	30210476	- 455	6489	39601806E-03
YDEVA2	6577748575	10306711	6 382	0000	21871848E-02
YDEVA3	5744364922	72018927E-01	7 976	0000	87638215E-03
YDEVA5	- 9311784042	97502884E-01	-9 550	0000	24616552E-02
YDEVMI1	2010665387	70399520E-01	2 856	0043	25634709E-02
YDEVRE1	-1 208790804	13089566	-9 235	0000	14187526E-01
YDEVMR1	- 2828785150	64351184E-01	-4 396	0000	62376339E-02
YDEVE2	2115242810	17213354	1 229	2191	37594985E-03
YDEVE3	- 1360978339	11915533	-1 142	2534	42525433E-02
YDEVE4	- 4115975116	12980431	-3 171	0015	45851914E-02
YDEVE5	- 1866940704	16300915	-1 145	2521	10266872E-02
YDEVE6	1997300087	19486870	1 025	3054	71276238E-04
YDEVE7	2175481671	28142895	773	4395	35020894E-04
YDEVML	1 537865950	28320991	5 430	0000	14364730E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are RWAGEM1= .

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	1334410586	76668877E-02	17 405	0000	
AGEX1	- 1949006745	89619082E-02	-21 748	0000	.16879313E-02
AGEX2	- 1223134033	33407143E-02	-36 613	0000	42794023E-01
AGEX3	- 5841351107E-01	22038150E-02	-26 506	.0000	11378643
AGEX5	6191136108E-02	29140141E-02	2 125	.0336	12676860
MIG1	- 1626592285E-01	20937386E-02	-7 769	0000	23444869
REG1	- 8491735123E-01	38395323E-02	-22 117	0000	85138758
MRS1	3985278450E-01	19703076E-02	20.227	0000	71804101
ED2	3907840864E-01	52043151E-02	7 509	0000	13850966E-01
ED3	7986337977E-01	38032959E-02	*20 998*	*0000*	*28868590*
ED4	1206595673	42104730E-02	28 657	0000	14791739
ED5	1785026528	51892618E-02	34 398	0000	16497046
ED6	2096911667	60190110E-02	34 838	0000	14161247
ED7	3072416302	74939929E-02	40 998	0000	22897946
MILLS	- 5862199196E-01	82977589E-02	-7 065	0000	86485289
YDEV	4278781210	10930063	3 915	0001	31860894E-01
YDEVA1	- 5833022968E-01	12809427	- 455	6488	65547171E-04
YDEVA2	.2789161138	43928117E-01	6 349	0000	.16138932E-02
YDEVA3	2435781669	30771088E-01	7 916	0000	.37512180E-02
YDEVA5	- 3948473536	41503547E-01	-9 514	.0000	40940558E-02
YDEVMI1	8525819580E-01	29865638E-01	2 855	0043	75634248E-02
YDEVRE1	- 5125632723	55860908E-01	-9 176	0000	32807026E-01
YDEVMR1	- 1199489083	27326638E-01	-4 389	0000	22847044E-01
YDEVE2	8969258974E-01	72993294E-01	1 229	2192	51488937E-03
YDEVE3	- 5770953162E-01	50529695E-01	-1 142	2534	97059847E-02
YDEVE4	- 1745295933	55100744E-01	-3.167	0015	54309495E-02
YDEVE5	- 7916384155E-01	69160002E-01	-1 145	2524	51902845E-02
YDEVE6	8469146731E-01	82572414E-01	1 026	3051	40402729E-02
YDEVE7	9224689671E-01	11910843	774	4386	64446764E-02
YDEVML	6521009270	12020833	5 425	0000	30397500E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	1838138957	10352886E-01	17 755	0000	
AGEX1	- 2684739811	12078944E-01	-22 227	0000	59827882E-02
AGEX2	- 1684856474	.43448900E-02	-38 778	0000	80978144E-01
AGEX3	- 8046410258E-01	.29904114E-02	-26 907	0000	15920443
AGEX5	8528236049E-02	40154881E-02	2.124	0337	10814309
MIG1	-.2240616701E-01	28768016E-02	-7 789	0000	.23748878
REG1	- 1169729115	50948323E-02	-22 959	0000	80353018
MRS1	5489686344E-01	26746859E-02	20 525	.0000	.65873017
ED2	5383016743E-01	71510946E-02	7 528	.0000	.20008172E-01
ED3	1100111098	51343934E-02	21 426	.0000	34447885
ED4	1662075027	56053822E-02	29 651	.0000	22016074
ED5	2458858490	68331112E-02	35 984	0000	13569946
ED6	2888477552	79670497E-02	36 255	.0000	10943340
ED7	4232226688	10643201E-01	39 765	0000	14689553
MILLS	- 8075128319E-01	11410624E-01	-7 077	0000	92726408
YDEV	589398383.	1.023083	3 923	0001	19547984E-01
YDEVA1	- 8034938319E-01	17644057	- 455	6488	40031912E-04
YDEVA2	3842045168	60345545E-01	6 367	0000	15184551E-02
YDEVA3	3355268027	42138657E-01	7 962	0000	33161974E-02
YDEVA5	- 5438987895	56865136E-01	-9 565	0000	19432397E-02
YDEVMI1	1174424219	41117041E-01	2 856	0043	49238382E-02

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVRE1	- 7060514419	75846199E-01	-9 309	0000	15172788E-01
YDEVMR1	- 1652285762	37588733E-01	-4 396	0000	13015787E-01
YDEVE2	1235507609	10054435	1 229	2191	29752952E-03
YDEVE3	- 7949437702E-01	69597722E-01	-1 142	2534	64145148E-02
YDEVE4	- 2404129942	75847161E-01	-3 170	0015	51826454E-02
YDEVE5	- 1090475020	95242935E-01	-1 145	2522	.27761262E-02
YDEVE6	1166617584	11377677	1 025	.3052	.19200104E-02
YDEVE7	1270692965	.16425586	.774	4392	.23694679E-02
YDEVML	.8982633455	16525876	5.435	0000	.18160505E-01

Marginal Effects for Probit			
Variable	RWAGEM1=	RWAGEM1=	All Obs
ONE	3147	.1334	.1838
AGEX1	-.4596	-.1949	-.2685
AGEX2	- 2885	- 1223	-.1685
AGEX3	- 1378	- 0584	- 0805
AGEX5	0146	0062	0085
MIG1	- 0384	- 0163	- 0224
REG1	- 2003	- 0849	- 1170
MRS1	0940	0399	0549
ED2	.0922	0391	0538
ED3	.1883	0799	.1100
ED4	.2846	1207	1662
ED5	4210	1785	.2459
ED6	4945	2097	.2888
ED7	7246	3072	.4232
MILLS	- 1382	- 0586	- 0808
YDEV	1 0091	4279	5894
YDEVA1	- 1376	- 0583	- 0803
YDEVA2	6578	2789	3842
YDEVA3	.5744	2436	3355

Marginal Effects for Probit			
Variable	RWAGEM1=	RWAGEM1=	All Obs.
YDEVA5	- 9312	- 3948	- 5439
YDEVMI1	2011	0853	.1174
YDEVRE1	-1 2088	- 5126	- 7061
YDEVMR1	- 2829	- 1199	-.1652
YDEVE2	2115	0897	1236
YDEVE3	- 1361	- 0577	- 0795
YDEVE4	- 4116	- 1745	- 2404
YDEVE5	- 1867	- 0792	- 1090
YDEVE6	1997	0847	1167
YDEVE7	2175	0922	1271
YDEVML	1 5379	6521	8983

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	354617273		20819
1	2512*****		*****
Total	6058*****		*****

Table C.9: Estimate of Labor forcer participation (Round I, Female)

```
PROBIT,Lhs=LFP1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,ed
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold,Prob=prob,Margin=LFP1(LFP1=0
```

```
+---------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                  |
| Ordinary    least squares regression    Weighting variable = WTPOP  |
| Dep var   = LFP1      Mean=    6262970649     , S D =    4837866022  |
| Model size  Observations =  550609, Parameters =  28, Deg Fr = 550581 |
| Residuals   Sum of squares= 105826 4796     , Std Dev =        43842 |
| Fit         R-squared=   178809, Adjusted R-squared =         17877 |
| Model test  F[ 27, 550581] = 4440 20,     Prob value =         00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -381476 3785 |
|             LogAmemiyaPrCrt.=   -1 649, Akaike Info. Crt = 1.189     |
+---------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	5963091530	29570172E-02	201 659	0000	
AGEX1	- 6722882423	33600142E-02	-200 085	0000	48304327E-01
AGEX2	- 3149371753	24366146E-02	-129 252	0000	12719725
AGEX3	- 8305408225E-01	21674199E-02	-38 319	0000	12466312
AGEX5	- 3091768171	17076637E-02	-181 053	0000	22093015
MIG1	2750838797E-01	18155679E-02	15 151	0000	13296677
REG1	4592501672E-01	18402967E-02	24 955	0000	87461228
MRS1	- 7073555329E-02	14624060E-02	-4.837	0000	59658360
ED2	1126972567	38311710E-02	29 416	0000	33438615E-01
ED3	1672810288	22691255E-02	73 720	0000	43459567
ED4	1947609264	27857586E-02	69 913	0000	23358147
ED5	3703791217E-01	31834768E-02	11 634	0000	84218703E-01
ED6	1294744358E-01	33646529E-02	3 848	0001	62742226E-01
ED7	2724626863	33272693E-02	81 888	0000	58116302E-01
YDEV	- 4762436965	39150105E-01	-12 165	0000	10820552E-01
YDEVA1	- 2203309390	44764241E-01	-4 922	0000	52451713E-03
YDEVA2	1100787593	31944457E-01	3 446	0006	14957280E-02
YDEVA3	1121275627	28566461E-01	3 925	0001	14248728E-02
YDEVA5	1356885599E-01	22408773E-01	606	5448	22725180E-02
YDEVMI1	7874354948E-01	23864988E-01	3 300	0010	13119421E-02
YDEVRE1	5088012807	23907338E-01	21 282	0000	93194254E-02
YDEVMR1	- 1008529414	19254495E-01	-5 238	0000	66376179E-02
YDEVE2	- 1970000607E-01	51875262E-01	- 380	7041	.42400547E-03
YDEVE3	3931216691E-01	30490112E-01	1 289	1973	51614033E-02
YDEVE4	1071519516	36828699E-01	2 909	0036	.30410895E-02
YDEVE5	-.2447487195E-01	41344241E-01	- 592	5539	.44915960E-03
YDEVE6	9944090985E-01	43793116E-01	2 271	0232	.30289819E-03
YDEVE7	1950884179	43343550E-01	4 501	0000	.25142886E-03

```
Normal exit from iterations  Exit status=0
```

```
+-----------------------------------------------+
| Binomial Probit Model                         |
| Maximum Likelihood Estimates                  |
| Dependent variable                    LFP1    |
| Weighting variable                   WTPOP    |
| Number of observations              550609    |
| Iterations completed                     5    |
| Log likelihood function          -313054.0    |
| Restricted log likelihood        -369382.7    |
| Chi-squared                       112657.3    |
| Degrees of freedom                      27    |
| Significance level                 0000000    |
| Results retained for SELECTION model          |
+-----------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Index function for probability					
Constant	2763141646	89795438E-02	30 772	0000	
AGEX1	-1 952643060	11375340E-01	-171 656	0000	48304327E-01
AGEX2	- 8861933638	74138077E-02	-119 533	0000	12719725
AGEX3	- 2650909863	66964810E-02	-39 587	0000	12466312

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX5	- 8599963967	.51104123E-02	-168.283	0000	.22093015
MIG1	7992094182E-01	56374187E-02	14.177	0000	13296677
REG1	1440917891	57004401E-02	25 277	0000	87461228
MRS1	- 3855052432E-01	45426386E-02	-8 486	0000	59658360
ED2	3062388275	11391159E-01	26 884	0000	33438615E-01
ED3	4601065076	67518568E-02	68.145	0000	43459567
ED4	5377005906	84591978E-02	63 564	0000	23358147
ED5	9786198066E-01	94996489E-02	10 302	0000	84218703E-01
ED6	2705165026E-01	10033508E-01	2 696	0070	62742226E-01
ED7	8811591880	.11215379E-01	78 567	0000	58116302E-01
YDEV	-1 475431610	.11883612	-12.416	.0000	10820552E-01
YDEVA1	- 8994968592	15452430	-5.821	.0000	.52451713E-03
YDEVA2	2195994089	96980459E-01	2.264	.0236	.14957280E-02
YDEVA3	3175697944	88138468E-01	3.603	0003	.14248728E-02
YDEVA5	5800139993E-01	.67169493E-01	.864	3879	22725180E-02
YDEVMI1	.2540509342	74210637E-01	3 423	0006	13119421E-02
YDEVRE1	1 572636125	74078672E-01	21 229	0000	93194254E-02
YDEVMR1	- 3022588813	59775756E-01	-5 057	0000	66376179E-02
YDEVE2	- 5869895331E-01	15412711	- 381	7033	42400547E-03
YDEVE3	.1137489865	90784586E-01	1 253	2102	51614033E-02
YDEVE4	.3418046213	11180122	3 057	0022	30410895E-02
YDEVE5	- 5769749430E-02	12343015	- 047	9627	44915960E-03
YDEVE6	3237573760	13062174	2 479	0132	30289819E-03
YDEVE7	7551964164	.14519838	5 201	0000	.25142886E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are LFP1=0

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	1101791946	35794057E-02	30 781	0000	
AGEX1	- 7786087986	45511431E-02	-171 080	0000	10441582
AGEX2	- 3533661448	29581677E-02	-119 454	0000	17597056
AGEX3	- 1057039961	.26700047E-02	-39 589	0000	81163753E-01
AGEX5	- 3429202065	.20433932E-02	-167 819	.0000	.37046918
MIG1	3186816361E-01	.22478189E-02	14.177	.0000	.12776909
REG1	5745603849E-01	.22728893E-02	25.279	0000	89423183
MRS1	- 1537187110E-01	18112908E-02	-8 487	0000	45918123
ED2	1221115372	45425180E-02	26.882	0000	41458142E-01
ED3	1834656740	26933459E-02	68.118	0000	35552438
ED4	2144060118	33743200E-02	63 541	0000	21039558
ED5	3902208282E-01	37878675E-02	10 302	0000	12078197
ED6	1078673995E-01	40007797E-02	2 696	0070	93215271E-01
ED7	3513587869	44729821E-02	78 551	0000	27598896E-01
YDEV	- 5883225958	47382956E-01	-12 416	0000	17069486E-01
YDEVA1	- 3586708617	61617227E-01	-5 821	0000	20456086E-02
YDEVA2	8756440718E-01	38670640E-01	2 264	0236	25392893E-02
YDEVA3	1266297160	35144960E-01	3 603	0003	10064977E-02
YDEVA5	2312783183E-01	26783546E-01	864	3879	64902985E-02
YDEVMI1	1013018184	29591218E-01	3 423	0006	16870846E-02
YDEVRE1	6270825167	29531867E-01	21 234	0000	19708845E-01
YDEVMR1	- 1205245492	23835338E-01	-5 057	0000	84928500E-02
YDEVE2	- 2340597852E-01	61457569E-01	- 381	7033	82663477E-03
YDEVE3	4535696437E-01	36200060E-01	1 253	2102	64254204E-02
YDEVE4	1362932586	44580432E-01	3 057	0022	39883776E-02
YDEVE5	- 2300665065E-02	49217292E-01	- 047	9627	16131849E-02
YDEVE6	1290969900	52084879E-01	2 479	0132	81927001E-03
YDEVE7	3011316234	57897245E-01	5 201	0000	24611960E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are LFP1=1

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.9267718849E-01	.29981236E-02	30.912	.0000	
AGEX1	-.6549265006	.37478009E-02	-174.750	.0000	.84661579E-02
AGEX2	-.2972338010	.24162492E-02	-123.015	.0000	.63863821E-01
AGEX3	-.8891287691E-01	.22272047E-02	-39.921	.0000	.11181871
AGEX5	-.2884472038	.16845966E-02	-171.226	.0000	.16861189
MIG1	.2680589394E-01	.18890824E-02	14.190	.0000	.15845911
REG1	.4832912535E-01	.19062413E-02	25.353	.0000	.89786891
MRS1	-.1293004365E-01	.15224344E-02	-8.493	.0000	.65294755
ED2	.1027140739	.38195879E-02	26.891	.0000	.28138496E-01
ED3	.1543220833	.22593396E-02	68.304	.0000	.45357118
ED4	.1803475368	.28261421E-02	63.814	.0000	.17192513
ED5	.3282341041E-01	.31823935E-02	10.314	.0000	.83281064E-01
ED6	.9073262290E-02	.33641583E-02	2.697	.0070	.72753137E-01
ED7	.2955453126	.36500465E-02	80.970	.0000	.13133799
YDEV	-.4948673321	.39804174E-01	-12.433	.0000	.16827505E-01
YDEVA1	-.3016958616	.51820595E-01	-5.822	.0000	.12331510E-03
YDEVA2	.7365476845E-01	.32530951E-01	2.264	.0236	.13080481E-02
YDEVA3	.1065145384	.29564470E-01	3.603	.0003	.20464834E-02
YDEVA5	.1945396712E-01	.22529459E-01	.863	.3879	.27438896E-02
YDEVMI1	.8520998677E-01	.24889709E-01	3.424	.0006	.24414290E-02
YDEVRE1	.5274702251	.24714121E-01	21.343	.0000	.19680815E-01
YDEVMR1	-.1013791796	.20046358E-01	-5.057	.0000	.10828228E-01
YDEVE2	-.1968793011E-01	.51695097E-01	-.381	.7033	.56609725E-03
YDEVE3	.3815199367E-01	.30449413E-01	1.253	.2102	.82633779E-02
YDEVE4	.1146430237	.37497444E-01	3.057	.0022	.30625616E-02
YDEVE5	-.1935203562E-02	.41399149E-01	-.047	.9627	.10864776E-02
YDEVE6	.1085898850	.43807985E-01	2.479	.0132	.10019483E-02
YDEVE7	.2532967527	.48679850E-01	5.203	.0000	.17133979E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.1034585723	.33478144E-02	30.903	.0000	
AGEX1	-.7311158423	.42964037E-02	-170.169	.0000	.48304327E-01
AGEX2	-.3318117996	.27733684E-02	-119.642	.0000	.12719725
AGEX3	-.9925634835E-01	.25059310E-02	-39.609	.0000	.12466312
AGEX5	-.3220030342	.19084637E-02	-168.724	.0000	.22093015
MIG1	.2992429487E-01	.21108945E-02	14.176	.0000	.13296677
REG1	.5395138104E-01	.21342749E-02	25.279	.0000	.87461228
MRS1	-.1443423001E-01	.17006399E-02	-8.488	.0000	.59658360
ED2	.1146630754	.42659938E-02	26.878	.0000	.33438615E-01
ED3	.1722747817	.25299488E-02	68.094	.0000	.43459567
ED4	.2013278455	.31698956E-02	63.512	.0000	.23358147
ED5	.3664184504E-01	.35571534E-02	10.301	.0000	.84218703E-01
ED6	.1012877902E-01	.37568750E-02	2.696	.0070	.62742226E-01
ED7	.3299268848	.41914400E-02	78.714	.0000	.58116302E-01
YDEV	-.5524365650	.44494509E-01	-12.416	.0000	.10820552E-01
YDEVA1	-.3367929436	.57859580E-01	-5.821	.0000	.52451713E-03
YDEVA2	.8222323555E-01	.36311935E-01	2.264	.0236	.14957280E-02
YDEVA3	.1189056579	.33000938E-01	3.603	.0003	.14248728E-02
YDEVA5	.2171709886E-01	.25149807E-01	.864	.3879	.22725180E-02
YDEVMI1	.9512269116E-01	.27786197E-01	3.423	.0006	.13119421E-02
YDEVRE1	.5888322392	.27736051E-01	21.230	.0000	.93194254E-02
YDEVMR1	-.1131728892	.22381395E-01	-5.057	.0000	.66376179E-02
YDEVE2	-.2197827938E-01	.57708836E-01	-.381	.7033	.42400547E-03

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE3	4259031656E-01	33991907E-01	1 253	2102	51614033E-02
YDEVE4	1279797515	41860954E-01	3 057	0022	30410895E-02
YDEVE5	- 2160330939E-02	46215176E-01	- 047	9627	44915960E-03
YDEVE6	1212224352	48907857E-01	2 479	0132	30289819E-03
YDEVE7	2827634377	54364802E-01	5 201	0000	25142886E-03

Marginal Effects for Probit			
Variable	LFP1=0	LFP1=1	All Obs.
ONE	1102	0927	.1035
AGEX1	- 7786	- 6549	- 7311
AGEX2	-.3534	- 2972	- 3318
AGEX3	- 1057	- 0889	- 0993
AGEX5	-.3429	-.2884	- 3220
MIG1	0319	0268	0299
REG1	0575	0483	0540
MRS1	-.0154	- 0129	- 0144
ED2	1221	1027	1147
ED3	1835	1543	1723
ED4	.2144	1803	2013
ED5	.0390	0328	0366
ED6	.0108	0091	0101
ED7	.3514	2955	3299
YDEV	- 5883	- 4949	- 5524
YDEVA1	- 3587	- 3017	- 3368
YDEVA2	0876	0737	0822
YDEVA3	1266	1065	1189
YDEVA5	0231	0195	0217

Marginal Effects for Probit			
Variable	LFP1=0	LFP1=1	All Obs
YDEVMI1	1013	0852	0951
YDEVRE1	6271	5275	5888
YDEVMR1	- 1205	- 1014	- 1132
YDEVE2	- 0234	-.0197	- 0220
YDEVE3	0454	0382	0426
YDEVE4	1363	1146	.1280
YDEVE5	- 0023	- 0019	- 0022
YDEVE6	1291	1086	1212
YDEVE7	3011	2533	2828

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	**********		*****
1	53911*****		*****
Total	**********		*****

Table C.10 :Estimate of Labor forcer participation (Round I, Male)

```
PROBIT,Lhs=LFP1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,ed
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold,Prob=prob,Margin=LFP1(LFP1=0
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = LFP1      Mean=     7991608898     , S D =     4006283821  |
| Model size  Observations =  474098, Parameters =  28, Deg Fr = 474070 |
| Residuals   Sum of squares= 47938 53258     , Std Dev.=         .31800 |
| Fit         R-squared=    370009, Adjusted R-squared =         .36997 |
| Model test  F[ 27, 474070] =10312 34,     Prob value =         .00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -239048 0276 |
|             LogAmemiyaPrCrt =   -2 291, Akaike Info  Crt =       547 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	6567991603	28655944E-02	229 202	0000	
AGEX1	- 7858004765	25895558E-02	-303 450	0000	50530486E-01
AGEX2	- 3843455192	19207251E-02	-200 104	0000	13318839
AGEX3	- 6839024022E-01	17207107E-02	-39 745	0000	.13059996
AGEX5	- 2499895949	13151144E-02	-190 090	0000	.20043219
MIG1	4562499873E-01	12865887E-02	35 462	0000	16697597
REG1	1548947799E-01	14658356E-02	10 567	0000	88088645
MRS1	1334373147	13322547E-02	100 159	0000	.61175544
ED2	1674982471	36135785E-02	46 352	0000	27364327E-01
ED3	2004272739	23834476E-02	84 091	0000	41766174
ED4	2800554033	26217634E-02	106.819	0000	24961197
ED5	1355236606	27388713E-02	49 482	0000	11797225
ED6	4282130949E-01	28863561E-02	14 836	0000	82223536E-01
ED7	1945821458	29961609E-02	64.944	0000	60809885E-01
YDEV	- 2312606325	38185897E-01	-6 056	0000	10922139E-01
YDEVA1	- 2788257954	34362016E-01	-8.114	0000	60398428E-03
YDEVA2	- 9548476887E-01	25063631E-01	-3 810	0001	15702571E-02
YDEVA3	- 2042554200E-01	22630735E-01	- 903	3668	14943744E-02
YDEVA5	2075613863E-01	17303243E-01	1 200	2303	20741632E-02
YDEVMI1	- 3231879846E-01	16980242E-01	-1 903	0570	16015141E-02
YDEVRE1	1655284931	18985195E-01	8 719	0000	97351316E-02
YDEVMR1	- 2636199535E-01	17467532E-01	-1 509	1312	.66462180E-02
YDEVE2	5239470885E-01	.49159896E-01	1 066	.2865	.36902561E-03
YDEVE3	1097668226	32307409E-01	3 398	0007	.52150605E-02
YDEVE4	1689944566	35138269E-01	4 809	0000	.30910487E-02
YDEVE5	7540900589E-01	36442077E-01	2 069	0385	.77515552E-03
YDEVE6	1315647190	38342547E-01	3.431	0006	57029698E-03
YDEVE7	1877785630	39650164E-01	4 736	0000	32794691E-03

Normal exit from iterations. Exit status=0

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable                  LFP1  |
| Weighting variable                WTPOP   |
| Number of observations           474098   |
| Iterations completed                  7  |
| Log likelihood function       -146506 1   |
| Restricted log likelihood     -257474.3   |
| Chi-squared                    221936 4   |
| Degrees of freedom                   27   |
| Significance level               0000000  |
| Results retained for SELECTION model      |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	6752626285	.14214451E-01	47 505	0000	
AGEX1	-2 835168707	13935367E-01	-203 451	0000	50530486E-01
AGEX2	-1 553874106	10257146E-01	-151 492	0000	13318839
AGEX3	- 5208916057	10313662E-01	-50 505	0000	13059996
AGEX5	-1 549471503	85007216E-02	-182.275	0000	20043219

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
MIG1	3012183647	84004060E-02	35 858	0000	16697597
REG1	9283931844E-01	81652119E-02	11.370	.0000	88088645
MRS1	8789914964	79750014E-02	110 218	.0000	.61175544
ED2	5460976538	17121163E-01	31 896	0000	.27364327E-01
ED3	7198411892	.10885892E-01	66.126	0000	.41766174
ED4	1 079913272	.13095773E-01	82 463	0000	24961197
ED5	.4168763279	13245084E-01	31 474	0000	11797225
ED6	- 2944829148E-01	13690807E-01	-2 151	0315	82223536E-01
ED7	6096514244	16335504E-01	37 321	0000	60809885E-01
YDEV	-1.080150026	18848614	-5 731	0000	10922139E-01
YDEVA1	-1 312888770	18680147	-7 028	0000	.60398428E-03
YDEVA2	- 5113012206	13249514	-3 859	.0001	15702571E-02
YDEVA3	- 1108272005	13394018	- 827	.4080	14943744E-02
YDEVA5	- 4985387007E-01	11228937	-.444	6571	20741632E-02
YDEVMI1	- 2272370302	.11103717	-2 046	.0407	16015141E-02
YDEVRE1	9835764915	.10538619	9 333	.0000	.97351316E-02
YDEVMR1	- 1339670382E-01	10449374	- 128	.8980	.66462180E-02
YDEVE2	1262958453	.23254693	543	5871	36902561E-03
YDEVE3	3504762838	.14824317	2 364	0181	52150605E-02
YDEVE4	6061087043	17671514	3 430	0006	30910487E-02
YDEVE5	2471175770	17632229	1 402	1611	77515552E-03
YDEVE6	4999804974	18192752	2 748	0060	57029698E-03
YDEVE7	1 071259743	21243351	5 043	.0000	32794691E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs.
Observations used for means are LFP1=0

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	2693797531	.56713136E-02	47.499	0000	
AGEX1	-1 131022233	55448552E-02	-203 977	0000	20405800
AGEX2	- 6198806291	40887758E-02	-151 605	0000	30838467
AGEX3	- 2077971536	41143837E-02	-50 505	0000	81956091E-01
AGEX5	- 6181243168	.33871151E-02	-182 493	0000	34322958
MIG1	1201638078	33511364E-02	35 858	0000	10260794
REG1	3703600884E-01	32573511E-02	11 370	0000	89432549
MRS1	3506524755	31800732E-02	110 266	0000	28004378
ED2	2178524990	68297968E-02	31 897	0000	33316146E-01
ED3	2871632956	43420134E-02	66 136	0000	24064877
ED4	4308053761	52226757E-02	82 487	.0000	28836603
ED5	1663027651	52837900E-02	31 474	0000	17276814
ED6	- 1174768624E-01	54615944E-02	-2 151	0315	14757524
ED7	2432057443	65165900E-02	37 321	0000	29272617E-01
YDEV	- 4308998231	75192749E-01	-5 731	0000	16832431E-01
YDEVA1	- 5237453368	74518735E-01	-7 028	0000	40885497E-02
YDEVA2	- 2039713006	52855697E-01	-3 859	0001	48614074E-02
YDEVA3	- 4421184091E-01	53432215E-01	- 827	4080	85717478E-03
YDEVA5	- 1988800008E-01	44795125E-01	- 444	6571	62097488E-02
YDEVMI1	- 9065073721E-01	44295633E-01	-2 046	.0407	10306349E-02
YDEVRE1	3923741390	42043064E-01	9 333	0000	19790534E-01
YDEVMR1	- 5344292152E-02	41685260E-01	- 128	8980	48790478E-02
YDEVE2	5038268399E-01	92768979E-01	543	5871	69177816E-03
YDEVE3	1398140676	59137963E-01	2 364	0181	41579482E-02
YDEVE4	2417924615	70496118E-01	3 430	0006	56448379E-02
YDEVE5	9858160228E-01	70339535E-01	1 402	1611	24990104E-02
YDEVE6	1994551708	72575640E-01	2 748	0060	16020706E-02
YDEVE7	4273532591	84745335E-01	5 043	0000	33715162E-03

```
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are LFP1=1    |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.7238540838E-01	.15381074E-02	47.061	.0000	
AGEX1	-.3039185585	.23171814E-02	-131.159	.0000	.72259463E-02
AGEX2	-.1665689866	.13375176E-02	-124.536	.0000	.59936570E-01
AGEX3	-.5583746236E-01	.10663081E-02	-52.365	.0000	.10093770
AGEX5	-.1660970455	.10042273E-02	-165.398	.0000	.20331398
MIG1	.3228938404E-01	.91128889E-03	35.433	.0000	.18109701
REG1	.9951997483E-02	.87311827E-03	11.398	.0000	.89637217
MRS1	.9422431472E-01	.88223708E-03	106.802	.0000	.73592701
ED2	.5853944823E-01	.18715079E-02	31.279	.0000	.24665040E-01
ED3	.7716404885E-01	.12531278E-02	61.577	.0000	.43725915
ED4	.1157623122	.15644002E-02	73.998	.0000	.17619811
ED5	.4468744747E-01	.14343503E-02	31.155	.0000	.12890076
ED6	-.3156737120E-02	.14680278E-02	-2.150	.0315	.91467222E-01
ED7	.6535215405E-01	.17548206E-02	37.242	.0000	.10841670
YDEV	-.1157876912	.20176876E-01	-5.739	.0000	.16832544E-01
YDEVA1	-.1407363384	.20020481E-01	-7.030	.0000	.10075065E-03
YDEVA2	-.5480941207E-01	.14192123E-01	-3.862	.0001	.10696549E-02
YDEVA3	-.1188022531E-01	.14355047E-01	-.828	.4079	.17109333E-02
YDEVA5	-.5344132182E-02	.12034628E-01	-.444	.6570	.34888560E-02
YDEVMI1	-.2435888576E-01	.11904142E-01	-2.046	.0407	.27127424E-02
YDEVRE1	.1054354010	.11206897E-01	9.408	.0000	.19791270E-01
YDEVMR1	-.1436072182E-02	.11201687E-01	-.128	.8980	.12494296E-01
YDEVE2	.1353840114E-01	.24928054E-01	.543	.5871	.50142621E-03
YDEVE3	.3756963270E-01	.15891944E-01	2.364	.0181	.81102976E-02
YDEVE4	.6497238886E-01	.18944665E-01	3.430	.0006	.29307167E-02
YDEVE5	.2648999956E-01	.18900357E-01	1.402	.1610	.18313034E-02
YDEVE6	.5359587656E-01	.19501033E-01	2.748	.0060	.12825573E-02
YDEVE7	.1148346890	.22750575E-01	5.048	.0000	.15436027E-02

```
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics. |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs   |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.1179425288	.24330497E-02	48.475	.0000	
AGEX1	-.4951954289	.30486937E-02	-162.429	.0000	.50530486E-01
AGEX2	-.2714023163	.19189150E-02	-141.435	.0000	.13318839
AGEX3	-.9097982122E-01	.17732865E-02	-51.306	.0000	.13059996
AGEX5	-.2706333502	.12855455E-02	-210.520	.0000	.20043219
MIG1	.5261131618E-01	.14684446E-02	35.828	.0000	.16697597
REG1	.1621547458E-01	.14263658E-02	11.368	.0000	.88088645
MRS1	.1535261623	.13308911E-02	115.356	.0000	.61175544
ED2	.9538235280E-01	.30123436E-02	31.664	.0000	.27364327E-01
ED3	.1257286967	.19449665E-02	64.643	.0000	.41766174
ED4	.1886195043	.24012482E-02	78.551	.0000	.24961197
ED5	.7281233440E-01	.23365647E-02	31.162	.0000	.11797225
ED6	-.5143489096E-02	.23900065E-02	-2.152	.0314	.82223536E-01
ED7	.1064827634	.28916415E-02	36.824	.0000	.60809885E-01
YDEV	-.1886608560	.32927222E-01	-5.730	.0000	.10922139E-01
YDEVA1	-.2293114043	.32647229E-01	-7.024	.0000	.60398428E-03
YDEVA2	-.8930474811E-01	.23142666E-01	-3.859	.0001	.15702571E-02
YDEVA3	-.1935726892E-01	.23394014E-01	-.827	.4080	.14943744E-02
YDEVA5	-.8707562449E-02	.19612139E-01	-.444	.6571	.20741632E-02
YDEVMI1	-.3968960942E-01	.19393618E-01	-2.047	.0407	.16015141E-02
YDEVRE1	.1717931569	.18408184E-01	9.332	.0000	.97351316E-02
YDEVMR1	-.2339891265E-02	.18251135E-01	-.128	.8980	.66462180E-02
YDEVE2	.2205904894E-01	.40617131E-01	.543	.5871	.36902561E-03

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Index function for probability					
YDEVE3	6121478882E-01	25893166E-01	2 364	0181	52150605E-02
YDEVE4	1058639858	30869281E-01	3 429	0006	30910487E-02
YDEVE5	4316197982E-01	30797534E-01	1 401	1611	77515552E-03
YDEVE6	87327451175-01	31777659E-01	2 748	0060	57029698E-03
YDEVE7	1871080640	37102456E-01	5 043	0000	32794691E-03

Marginal Effects for Probit			
Variable	LFP1=0	LFP1=1	All Obs
ONE	.2694	.0724	.1179
AGEX1	-1.1310	-.3039	-.4952
AGEX2	-.6199	-.1666	-.2714
AGEX3	-.2078	-.0558	- 0910
AGEX5	-.6181	- 1661	-.2706
MIG1	1202	0323	0526
REG1	0370	0100	0162
MRS1	3507	0942	1535
ED2	2179	0585	0954
ED3	2872	0772	1257
ED4	.4308	1158	1886
ED5	.1663	.0447	.0728
ED6	-.0117	-.0032	-.0051
ED7	2432	0654	1065
YDEV	-.4309	- 1158	- 1887
YDEVA1	-.5237	- 1407	- 2293
YDEVA2	- 2040	- 0548	-.0893
YDEVA3	- 0442	- 0119	- 0194
YDEVA5	- 0199	- 0053	- 0087

Marginal Effects for Probit			
Variable	LFP1=0	LFP1=1	All Obs
YDEVMI1	- 0907	- 0244	- 0397
YDEVRE1	3924	1054	1718
YDEVMR1	- 0053	- 0014	- 0023
YDEVE2	0504	0135	0221
YDEVE3	1398	0376	0612
YDEVE4	.2418	0650	1059
YDEVE5	0986	0265	0432
YDEVE6	1995	0536	.0873
YDEVE7	4274	.1148	.1871

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	5568954858		*****
1	15684*****		*****
Total	71373*****		*****

Table C.11 : Estimate of Labor forcer participation (Round III, Female)

```
PROBIT,Lhs=LFP1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,ed
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold,Prob=prob,Margin=LFP1(LFP1=0
```

```
+----------------------------------------------------------------------+
' Dependent variable is binary  y=0 or y not equal 0
  Ordinary    least squares regression    Weighting variable = WTPOP
  Dep Var   = LFP1     Mean=    6803197103    , S D =    4663531132      |
  Model size  Observations =  512756, Parameters =  28, Deg Fr = 512728 |
| Residuals   Sum of squares= 87839 13357    , Std Dev =          41390 |
| Fit         R-squared=   212323, Adjusted R-squared =          .21228 |
| Model test  F[ 27, 512728] = 5118 84,    Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -336432 2340 |
|             LogAmemiyaPrCrt =   -1 764, Akaike Info  Crt =      1.074 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	5548300736	29142407E-02	190 386	0000	
AGEX1	- 6514143937	33875815E-02	-192 295	0000	48229080E-01
AGEX2	- 2578418213	24390973E-02	-105 712	0000	12842016
AGEX3	- 6342463413E-01	21536467E-02	-29 450	0000	12544179
AGEX5	- 3071768592	17020922E-02	-180 470	0000	21990859
MIG1	- 4443131533E-04	18125327E-02	- 025	9804	13158455
REG1	1052035639	18378863E-02	57 242	0000	87435569
MRS1	2608007691E-01	14510661E-02	17 973	0000	59598947
ED2	1335857718	37911503E-02	35 236	.0000	32342076E-01
ED3	1982965667	22154180E-02	89 508	.0000	43954669
ED4	2349388329	27755134E-02	84 647	0000	22932763
ED5	.1943668639E-01	.31841229E-02	6 104	0000	.83595144E-01
ED6	- 7449810673E-02	.33510440E-02	-2 223	0262	.62171323E-01
ED7	2600745991	.33103609E-02	78 564	0000	57026170E-01
YDEV	- 3081717414	40542382E-01	-7 601	0000	15661342E-01
YDEVA1	- 5821376740	4726305SE-01	-12 317	0000	69513711E-03
YDEVA2	- 4516623193	33594328E-01	-13 445	0000	18919046E-02
YDEVA3	1401987710E-01	29785212E-01	471	6379	18922554E-02
YDEVA5	- 8647174942E-01	23544508E-01	-3 673	0002	35431086E-02
YDEVMI1	1965854505	25265630E-01	7 781	0000	20178711E-02
YDEVRE1	1186876123	25179508E-01	4 714	0000	13530143E-01
YDEVMR1	6285313788E-01	20157801E-01	3 118	0018	97006336E-02
YDEVE2	- 5014663148E-01	54084176E-01	- 927	3538	42347815E-03
YDEVE3	4784623587E-01	31174634E-01	1 535	1248	63991549E-02
YDEVE4	- 1515213362	38428204E-01	-3 943	0001	39082071E-02
YDEVE5	2231662697	43456065E-01	5 135	0000	17626969E-02
YDEVE6	1326957443	45983108E-01	2.886	0039	.10677596E-02
YDEVE7	2046007785	.45656638E-01	4 481	0000	86234910E-03

Normal exit from iterations Exit status=0

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable              LFP1      |
| Weighting variable              WTPOP     |
| Number of observations          512756    |
| Iterations completed                5     |
| Log likelihood function       -265974 2   |
| Restricted log likelihood     -336078.9   |
| Chi-squared                    140209 3   |
| Degrees of freedom                 27     |
| Significance level              0000000   |
| Results retained for SELECTION model.     |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	1769745891	94957542E-02	18 637	0000	
AGEX1	-1 919493443	11764486E-01	-163 160	0000	48229080E-01
AGEX2	- 7879196950	81114517E-02	-97 137	0000	12842016
AGEX3	- 2302941703	74254398E-02	-31 014	0000	12544179

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX5	- 9334202651	55807386E-02	-167 257	.0000	.21990859
MIG1	-.1502928228E-01	61656245E-02	-2 438	0148	13158455
REG1	.3492425746	60727358E-02	57.510	0000	87435569
MRS1	6168198333E-01	.49197187E-02	12.538	0000	59598947
ED2	3628595527	.12119140E-01	29 941	0000	32342076E-01
ED3	5679165718	.70727125E-02	80 297	0000	43954669
ED4	6636763971	92158468E-02	72 015	0000	22932763
ED5	3227070970E-01	10191716E-01	3 166	0015	83595144E-01
ED6	- 4842654223E-01	10684932E-01	-4.532	.0000	62171323E-01
ED7	8270759881	12021575E-01	68 799	.0000	.57026170E-01
YDEV	-1 066590031	13194279	-8.084	0000	15661342E-01
YDEVA1	-2 176478207	.16781172	-12.970	.0000	69513711E-03
YDEVA2	-1 039313376	11100404	-9 363	0000	.18919046E-02
YDEVA3	7806513292E-01	10211250	765	4446	.18922554E-02
YDEVA5	- 1096691463	77163410E-01	-1.421	1552	35431086E-02
YDEVMI1	6603977062	.85829365E-01	7 694	0000	.20178711E-02
YDEVRE1	3985720101	83132161E-01	4.794	0000	.13530143E-01
YDEVMR1	2070625322	68046666E-01	3.043	.0023	.97006336E-02
YDEVE2	-.1133542776	.17255378	- 657	5112	42347815E-03
YDEVE3	1407906984	99474738E-01	1 415	1570	63991549E-02
YDEVE4	- 5118256237	.12734165	-4 019	0001	39082071E-02
YDEVE5	6425269216	13914755	4 618	0000	17626969E-02
YDEVE6	4223608473	14668408	2 879	0040	10677596E-02
YDEVE7	7792274332	16559138	4 706	0000	86234910E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs.
Observations used for means are LFP1=0

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	7020059383E-01	37637538E-02	18 652	0000	
AGEX1	- 7614063706	.47221587E-02	-161 241	0000	11622992
AGEX2	- 3125444775	.32234155E-02	-96 961	0000	.17829037
AGEX3	- 9135089729E-01	29450637E-02	-31 018	.0000	79049433E-01
AGEX5	- 3702602574	22358100E-02	-165 605	0000	38234048
MIG1	- 5961672501E-02	.24457840E-02	-2 438	0148	12760776
REG1	1385342170	.24087047E-02	57.514	0000	88623233
MRS1	2446742145E-01	19519519E-02	12 535	0000	42903736
ED2	1439356701	48090333E-02	29 930	0000	40543948E-01
ED3	2252757347	28113496E-02	80 131	.0000	32818711
ED4	2632608299	36625509E-02	71 879	0000	20393209
ED5	1280083766E-01	40426665E-02	3 166	0015	12971059
ED6	- 1920937938E-01	42386953E-02	-4 532	0000	10423517
ED7	3280766228	47725028E-02	68 743	0000	29471877E-01
YDEV	- 4230847711	52332389E-01	-8 085	0000	28517976E-01
YDEVA1	- 8633446383	66590093E-01	-12 965	0000	34815267E-02
YDEVA2	- 4122649277	44032070E-01	-9 363	0000	50420272E-02
YDEVA3	3096613314E-01	40505165E-01	764	4446	18672011E-02
YDEVA5	- 4350251204E-01	30608798E-01	-1 421	1552	11036413E-01
YDEVMI1	2619602700	34045323E-01	7 694	0000	33762600E-02
YDEVRE1	1581017475	.32968940E-01	4 795	0000	30200187E-01
YDEVMR1	8213559245E-01	26992580E-01	3 043	0023	12396972E-01
YDEVE2	- 4496429482E-01	68446907E-01	- 657	5112	12025148E-02
YDEVE3	5584751281E-01	39459101E-01	1 415	1570	95861293E-02
YDEVE4	- 2030261118	50511708E-01	-4 019	0001	.63663058E-02
YDEVE5	2548714574	55196213E-01	4.618	0000	.38330279E-02
YDEVE6	1675380767	58185290E-01	2.879	.0040	23996186E-02
YDEVE7	3090965139	65685305E-01	4 706	0000	76113242E-03

```
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are LFP1=1    |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.5308911297E-01	.28396145E-02	18.696	.0000	
AGEX1	-.5758126338	.34760990E-02	-165.649	.0000	.11279612E-01
AGEX2	-.2363613777	.23655773E-02	-99.917	.0000	.67303832E-01
AGEX3	-.6908400402E-01	.22088748E-02	-31.276	.0000	.11128543
AGEX5	-.2800088655	.16432017E-02	-170.404	.0000	.17269972
MIG1	-.4508507516E-02	.18498366E-02	-2.437	.0148	.15018646
REG1	.1047663317	.18035982E-02	58.087	.0000	.90671414
MRS1	.1850345746E-01	.14777422E-02	12.521	.0000	.65575579
ED2	.1088511740	.36354972E-02	29.941	.0000	.27652057E-01
ED3	.1703644981	.21170410E-02	80.473	.0000	.46925455
ED4	.1990906797	.27537385E-02	72.298	.0000	.17340451
ED5	.9680617775E-02	.30559918E-02	3.168	.0015	.78706016E-01
ED6	-.1452706959E-01	.32074672E-02	-4.529	.0000	.68284402E-01
ED7	.2481075436	.35045825E-02	70.795	.0000	.12318403
YDEV	-.3199573392	.39545122E-01	-8.091	.0000	.25517225E-01
YDEVA1	-.6529033237	.50319620E-01	-12.975	.0000	.87121140E-04
YDEVA2	-.3117748459	.33277075E-01	-9.369	.0000	.12726400E-02
YDEVA3	.2341810020E-01	.30633323E-01	.764	.4446	.25991362E-02
YDEVA5	-.3289872137E-01	.23145314E-01	-1.421	.1552	.45111433E-02
YDEVMI1	.1981071329	.25745698E-01	7.695	.0000	.37007636E-02
YDEVRE1	.1195642526	.24900352E-01	4.802	.0000	.27077935E-01
YDEVMR1	.6211494104E-01	.20413973E-01	3.043	.0023	.17520159E-01
YDEVE2	-.3400419280E-01	.51763203E-01	-.657	.5112	.65730356E-03
YDEVE3	.4223461306E-01	.29839834E-01	1.415	.1570	.11944860E-01
YDEVE4	-.1535382480	.38201724E-01	-4.019	.0001	.42126518E-02
YDEVE5	.1927462271	.41737657E-01	4.618	.0000	.22280887E-02
YDEVE6	.1267004650	.43997941E-01	2.880	.0040	.16915119E-02
YDEVE7	.2337538595	.49645088E-01	4.708	.0000	.33624267E-02

```
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs. |
| Observations used for means are All Obs   |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.6105578026E-01	.32626837E-02	18.713	.0000	
AGEX1	-.6622203248	.41007262E-02	-161.489	.0000	.48229080E-01
AGEX2	-.2718302780	.27941774E-02	-97.285	.0000	.12842016
AGEX3	-.7945089930E-01	.25599165E-02	-31.037	.0000	.12544179
AGEX5	-.3220276023	.19123677E-02	-168.392	.0000	.21990859
MIG1	-.5185063920E-02	.21270537E-02	-2.438	.0148	.13158455
REG1	.1204877943	.20937839E-02	57.545	.0000	.87435569
MRS1	.2128012637E-01	.16977175E-02	12.535	.0000	.59598947
ED2	.1251856169	.41833132E-02	29.925	.0000	.32342076E-01
ED3	.1959297637	.24441219E-02	80.164	.0000	.43954669
ED4	.2289666583	.31858481E-02	71.870	.0000	.22932763
ED5	.1113331225E-01	.35163327E-02	3.166	.0015	.83595144E-01
ED6	-.1670703312E-01	.36859207E-02	-4.533	.0000	.62171323E-01
ED7	.2853390990	.41434618E-02	68.865	.0000	.57026170E-01
YDEV	-.3679708306	.45520018E-01	-8.084	.0000	.15661342E-01
YDEVA1	-.7508794107	.57927238E-01	-12.962	.0000	.69513711E-03
YDEVA2	-.3585604546	.38299801E-01	-9.362	.0000	.18919046E-02
YDEVA3	.2693227104E-01	.35228504E-01	.765	.4446	.18922554E-02
YDEVA5	-.3783557476E-01	.26621519E-01	-1.421	.1552	.35431086E-02
YDEVMI1	.2278355183	.29610705E-01	7.694	.0000	.20178711E-02
YDEVRE1	.1375063233	.28680673E-01	4.794	.0000	.13530143E-01
YDEVMR1	.7143604363E-01	.23475869E-01	3.043	.0023	.97006336E-02
YDEVE2	-.3910693563E-01	.59530575E-01	-.657	.5112	.42347815E-03
YDEVE3	.4857243057E-01	.34318725E-01	1.415	.1570	.63991549E-02

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE4	- 1765785301	43931665E-01	-4 019	0001	39082071E-02
YDEVE5	2216701434	48005718E-01	4 618	0000	.17626969E-02
YDEVE6	1457134113	50605461E-01	2 879	.0040	.10677596E-02
YDEVE7	2688314700	57128220E-01	4 706	0000	86234910E-03

Marginal Effects for Probit			
Variable	LFP1=0	LFP1=1	All Obs
ONE	.0702	0531	0611
AGEX1	- 7614	- 5758	- 6622
AGEX2	- 3125	-.2364	- 2718
AGEX3	- 0914	- 0691	- 0795
AGEX5	-.3703	-.2800	- 3220
MIG1	-.0060	-.0045	-.0052
REG1	1385	1048	1205
MRS1	0245	0185	0213
ED2	1439	1089	.1252
ED3	2253	1704	1959
ED4	.2633	.1991	2290
ED5	0128	.0097	0111
ED6	- 0192	- 0145	- 0167
ED7	3281	2481	2853
YDEV	- 4231	- 3200	- 3680
YDEVA1	- 8633	- 6529	- 7509
YDEVA2	- 4123	- 3118	-.3586
YDEVA3	.0310	.0234	0269
YDEVA5	-.0435	-.0329	-.0378

Marginal Effects for Probit			
Variable	LFP1=0	LFP1=1	All Obs
YDEVMI1	2620	1981	2278
YDEVRE1	1581	1196	1375
YDEVMR1	0821	0621	0714
YDEVE2	-.0450	- 0340	- 0391
YDEVE3	0558	0422	0486
YDEVE4	- 2030	- 1535	- 1766
YDEVE5	2549	1927	2217
YDEVE6	.1675	1267	1457
YDEVE7	.3091	.2338	2688

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	84863*****		*****
1	28447*****		*****
Total	**********		*****

Table C.12: Estimate of Labor forcer participation (Round III, Male)

```
PROBIT,Lhs=LFP1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,ed
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold,Prob=prob,Margin=LFP1(LFP1=0
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = LFP1     Mean=    8142974835    , S D =    3888668609     |
| Model size  Observations =  440038, Parameters =  28, Deg Fr = 440010 |
| Residuals   Sum of squares= 42819.47195    , Std Dev.=          31195 |
| Fit.        R-squared=   356497, Adjusted R-squared =          35646 |
| Model test  F[ 27, 440010] = 9028 28,    Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -208762 4583 |
|             LogAmemiyaPrCrt =   -2 330, Akaike Info  Crt.=        508 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	6460390855	29252876E-02	220 846	0000	
AGEX1	- 7496707877	27071486E-02	-276 923	0000	50539858E-01
AGEX2	- 3403117806	19969570E-02	-170 415	0000	13445205
AGEX3	- 5811691112E-01	17806621E-02	-32 638	0000	13138997
AGEX5	- 2391669867	13594889E-02	-175 924	0000	19956033
MIG1	3587688043E-01	13301395E-02	26 972	0000	16853822
REG1	4041569144E-01	15311135E-02	26 396	0000	88169881
MRS1	1212153125	13800892E-02	87 832	0000	61477194
ED2	1565724329	36661991E-02	42 707	0000	27089534E-01
ED3	2037237568	24018951E-02	84 818	.0000	42555704
ED4	2982933421	26766547E-02	111.443	0000	24572780
ED5	1264416424	28015020E-02	45.134	0000	11547511
ED6	3806046167E-01	29557952E-02	12.877	0000	81206216E-01
ED7	1985518503	30798009E-02	64 469	0000	58989543E-01
YDEV	- 3052730617E-01	41022537E-01	-.744	.4568	15687263E-01
YDEVA1	- 6772451878	37649533E-01	-17.988	0000	75063668E-03
YDEVA2	- 5904719229	27405304E-01	-21.546	0000	19756039E-02
YDEVA3	- 1582504570	24593225E-01	-6.435	0000	19805057E-02
YDEVA5	- 8404579725E-01	18850782E-01	-4 458	0000	31961748E-02
YDEVMI1	1511083672	18544416E-01	8 148	0000	27855005E-02
YDEVRE1	1653159808E-01	20951483E-01	789	4301	13815498E-01
YDEVMR1	2848230911E-01	19077707E-01	1 493	1354	99712926E-02
YDEVE2	- 1359419789	52128072E-01	-2 608	0091	33265737E-03
YDEVE3	- 7269176791E-01	34141504E-01	-2 129	.0332	61352725E-02
YDEVE4	- 9569353682E-01	37564441E-01	-2 547	0109	41454724E-02
YDEVE5	5959983981E-01	39130722E-01	1 523	.1277	.21533431E-02
YDEVE6	- 9448082544E-02	41248686E-01	- 229	.8188	14002402E-02
YDEVE7	3668327380E-03	43001926E-01	.009	.9932	.91183104E-03

```
Normal exit from iterations  Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable                   LFP1 |
| Weighting variable                 WTPOP  |
| Number of observations            440038  |
| Iterations completed                   7 |
| Log likelihood function        -130365.5  |
| Restricted log likelihood      -235160 7  |
| Chi-squared                     209590 5  |
| Degrees of freedom                    27 |
| Significance level               0000000 |
| Results retained for SELECTION model      |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	6279279735	14946496E-01	42 012	0000	
AGEX1	-2 771720129	14660844E-01	-189 056	0000	50539858E-01
AGEX2	-1 477062725	11173470E-01	-132 194	0000	13445205
AGEX3	- 4589127061	11469487E-01	-40 012	0000	13138997

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX5	-1 558192099	92125822E-02	-169 137	0000	19956033
MIG1	.2731388031	.91100920E-02	29 982	0000	16853822
REG1	2227792091	.86314290E-02	25 810	0000	88169881
MRS1	.8531891033	86200143E-02	98 978	.0000	.61477194
ED2	4994459452	17803398E-01	28 053	0000	27089534E-01
ED3	7443026169	11270654E-01	66 039	0000	42555704
ED4	1.184230137	13945598E-01	84 918	0000	24572780
ED5	3675770107	13921437E-01	26 404	0000	11547511
ED6	-.6043573460E-01	14406867E-01	-4 195	0000	81206216E-01
ED7	.6062560250	17352001E-01	34 939	.0000	.58989543E-01
YDEV	- 3003474216	.20904271	-1 437	.1508	.15687263E-01
YDEVA1	-2 827667323	.20668820	-13 681	0000	.75063668E-03
YDEVA2	-1.879033408	15250677	-12.321	0000	19756039E-02
YDEVA3	-1.132470285	15723329	-7.202	0000	19805057E-02
YDEVA5	- 1168348868	.12763803	- 915	3600	31961748E-02
YDEVMI1	1 205765010	.12762245	9 448	0000	27855005E-02
YDEVRE1	.2526614822	.11839923	2 134	0328	13815498E-01
YDEVMR1	-.4554804213E-01	11873210	- 384	7013	99712926E-02
YDEVE2	- 4762666888	25203879	-1 890	0588	33265737E-03
YDEVE3	- 4357537049	.16034819	-2 718	0066	61352725E-02
YDEVE4	- 1285266041E-01	19655836	- 065	.9479	41454724E-02
YDEVE5	4984301331	19411295	2 568	0102	21533431E-02
YDEVE6	3066861067	20071335	1 528	1265	14002402E-02
YDEVE7	3474725589	23979433	1 449	1473	91183104E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs.
Observations used for means are LFP1=0

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.2504150725	59583577E-02	42 028	0000	
AGEX1	-1 105350496	58881867E-02	-187.723	.0000	.21439273
AGEX2	-.5890464908	.44650736E-02	-131 923	0000	.30716017
AGEX3	- 1830124845	45740485E-02	-40.011	0000	73099856E-01
AGEX5	- 6214005488	36868509E-02	-168.545	0000	34589203
MIG1	.1089266223	36330695E-02	29 982	0000	10359667
REG1	8884342494E-01	34420207E-02	25 811	0000	89242155
MRS1	3402482771	34416642E-02	98 862	0000	27931787
ED2	1991769723	71007397E-02	28 050	0000	32678753E-01
ED3	2968247978	44969214E-02	66 006	0000	22743406
ED4	4722660687	55674033E-02	84 827	0000	27584889
ED5	1465881879	55518151E-02	26 404	0000	18350421
ED6	- 2410152039E-01	57455560E-02	-4 195	0000	15679768
ED7	2417723893	.69200957E-02	34 938	0000	30989513E-01
YDEV	- 1197773065	83364706E-01	-1.437	1508	28491356E-01
YDEVA1	-1 127662005	82439414E-01	-13 679	0000	61844761E-02
YDEVA2	- 7493507329	60820245E-01	-12 321	0000	90367209E-02
YDEVA3	- 4516244544	62703279E-01	-7 203	0000	16893628E-02
YDEVA5	- 4659326847E-01	50901665E-01	- 915	3600	10083223E-01
YDEVMI1	4808540869	50895683E-01	9 448	0000	26018129E-02
YDEVRE1	1007603516	47215509E-01	2 134	0328	30340798E-01
YDEVMR1	- 1816437036E-01	47349824E-01	- 384	7013	80460288E-02
YDEVE2	- 1899331809	.10051186	-1 890	0588	.92291836E-03
YDEVE3	- 1737767709	63945910E-01	-2 718	0066	.66236896E-02
YDEVE4	- 5125587686E-02	78386651E-01	- 065	9479	82904236E-02
YDEVE5	1987718706	77411358E-01	2 568	0102	55185344E-02
YDEVE6	1223051478	80043441E-01	1 528	1265	39906840E-02
YDEVE7	1385706159	95628831E-01	1 449	1473	77015776E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are LFP1=1

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	6245808217E-01	15029604E-02	41 557	0000	
AGEX1	- 2756945556	22945132E-02	-120 154	0000	10308734E-01
AGEX2	- 1469189285	.13335355E-02	-110 172	0000	63749138E-01
AGEX3	- 4564664852E-01	11042315E-02	-41 338	0000	10005138
AGEX5	- 1549886201	10539660E-02	-147 053	0000	20586931
MIG1	2716828447E-01	91395789E-03	29 726	0000	17784400
REG1	2215916910E-01	85838828E-03	25 815	0000	90352482
MRS1	8486412036E-01	90116085E-03	94 172	.0000	73226067
ED2	4967836631E-01	18053668E-02	27 517	0000	24434429E-01
ED3	7403351334E-01	12245832E-02	60 456	0000	44608541
ED4	1177917632	15997720E-02	73 630	0000	17613224
ED5	3656176521E-01	13989846E-02	26 135	0000	12568081
ED6	- 6011358367E-02	14339606E-02	-4 192	0000	88735558E-01
ED7	6030243949E-01	17396240E-02	34 664	0000	10547147
YDEV	- 2987464284E-01	20786293E-01	-1 437	1507	25832860E-01
YDEVA1	- 2812594525	20554616E-01	-13 684	0000	93845296E-04
YDEVA2	- 1869017276	15129771E-01	-12 353	0000	12388708E-02
YDEVA3	- 1126433685	15603802E-01	-7 219	0000	23056288E-02
YDEVA5	- 1162121018E-01	12687635E-01	- 916	3597	55989424E-02
YDEVMI1	1199337715	12696217E-01	9 446	0000	45417317E-02
YDEVRE1	2513146775E-01	11751026E-01	2 139	.0325	27463968E-01
YDEVMR1	- 4530524961E-02	11811675E-01	- 384	7013	19694421E-01
YDEVE2	- 4737279631E-01	25072660E-01	-1 889	0588	.59629549E-03
YDEVE3	- 4334309325E-01	15954057E-01	-2 717	0066	.11360355E-01
YDEVE4	- 1278414968E-02	19551271E-01	- 065	9479	44205376E-02
YDEVE5	4957732658E-01	19304300E-01	2 568	0102	34633404E-02
YDEVE6	3050513253E-01	19961489E-01	1 528	.1265	22652994E-02
YDEVE7	3456203666E-01	23841760E-01	1 450	1472	28732334E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	9777653787E-01	22830332E-02	42 827	0000	
AGEX1	-.4315928094	28993681E-02	-148 858	.0000	50539858E-01
AGEX2	- 2299978430	18671841E-02	-123 179	0000	13445205
AGEX3	- 7145866640E-01	17638570E-02	-40 513	0000	.13138997
AGEX5	- 2426307398	12686057E-02	-191 258	0000	.19956033
MIG1	4253125781E-01	14179773E-02	29 994	0000	16853822
REG1	3468961520E-01	13471646E-02	25 750	0000	88169881
MRS1	1328526203	12937529E-02	102 688	0000	61477194
ED2	7777021798E-01	27952624E-02	27 822	0000	27089534E-01
ED3	1158975807	18127451E-02	63 935	0000	42555704
ED4	1844000071	23295986E-02	79 155	.0000	24572780
ED5	5723651282E-01	21922921E-02	26 108	.0000	11547511
ED6	- 9410628515E-02	22404319E-02	-4 200	.0000	81206216E-01
ED7	9440193412E-01	27501260E-02	34 326	.0000	58989543E-01
YDEV	- 4676799295E-01	32550560E-01	-1.437	.1508	15687263E-01
YDEVA1	- 4403045138	32280301E-01	-13 640	0000	75063668E-03
YDEVA2	- 2925898972	23778916E-01	-12 305	0000	19756039E-02
YDEVA3	- 1763403262	24484101E-01	-7 202	0000	19805057E-02
YDEVA5	- 1819270874E-01	19875732E-01	- 915	3600	31961748E-02
YDEVMI1	1877532665	19871320E-01	9 448	0000	27855005E-02
YDEVRE1	3934267309E-01	18435735E-01	2 134	0328	13815498E-01
YDEVMR1	- 7092421509E-02	18487861E-01	- 384	7013	99712926E-02
YDEVE2	- 7416090683E-01	39246642E-01	-1 890	0588	33265737E-03
YDEVE3	- 6785250925E-01	24967989E-01	-2.718	0066	61352725E-02

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE4	-.2001326092E-02	30606767E-01	- 065	9479	41454724E-02
YDEVE5	7761204285E-01	30224576E-01	2 568	0102	21533431E-02
YDEVE6	4775500852E-01	31251994E-01	1 528	1265	14002402E-02
YDEVE7	5410598866E-01	37337877E-01	1 449	1473	91183104E-03

Marginal Effects for Probit			
Variable	LFP1=0	LFP1=1	All Obs
ONE	.2504	.0625	0978
AGEX1	-1 1054	-.2757	-.4316
AGEX2	- 5890	- 1469	- 2300
AGEX3	- 1830	- 0456	- 0715
AGEX5	- 6214	- 1550	- 2426
MIG1	1089	.0272	0425
REG1	.0888	0222	0347
MRS1	3402	0849	1329
ED2	1992	0497	0778
ED3	2968	0740	1159
ED4	4723	1178	1844
ED5	1466	0366	0572
ED6	-.0241	-.0060	-.0094
ED7	2418	0603	.0944
YDEV	- 1198	- 0299	-.0468
YDEVA1	-1 1277	- 2813	- 4403
YDEVA2	- 7494	- 1869	- 2926
YDEVA3	- 4516	- 1126	- 1763
YDEVA5	- 0466	- 0116	- 0182

Marginal Effects for Probit			
Variable	LFP1=0	LFP1=1	All Obs
YDEVMI1	4809	1199	1878
YDEVRE1	1008	0251	0393
YDEVMR1	- 0182	- 0045	- 0071
YDEVE2	- 1899	- 0474	- 0742
YDEVE3	- 1738	- 0433	- 0679
YDEVE4	- 0051	- 0013	- 0020
YDEVE5	1988	.0496	0776
YDEVE6	1223	0305	0478
YDEVE7	1386	.0346	0541

Table C.13 : Estimate of Hours worked (Round I, Female)

```
REGRESS,Lhs=TOTHOUR,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed
      ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
      ,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP$
```

```
+----------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = TOTHOUR  Mean=   49 63633012    , S D =   15 05809162    |
| Model size  Observations =  309593, Parameters =  28, Deg Fr = 309565 |
| Residuals   Sum of squares= 67380983 04    , Std Dev =       14 75342 |
| Fit         R-squared=   040140, Adjusted R-squared =          04006 |
| Model test  F[ 27, 309565] =  479.47,    Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = ************ |
|             LogAmemiyaPrCrt =    5 383, Akaike Info  Crt.=      8 920 |
| Autocorrel  Durbin-Watson Statistic =   1 45248,   Rho =          27376 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	50 22777183	14256402	352 317	0000	
AGEX1	-6 984483899	26663606	-26 195	0000	11196792E-01
AGEX2	-2 031514326	11880899	-17 099	0000	86031153E-01
AGEX3	- 4766425557	92203744E-01	-5 169	0000	13629884
AGEX5	-2 227648636	80498457E-01	-27 673	0000	15424253
MIG1	1 860452931	78538241E-01	23 688	0000	14738419
REG1	68198150 45E-01	81174400E-01	840	4008	86936560
MRS1	- 9927417007	62612673E-01	-15 855	0000	65772070
ED2	1 154435444	18979357	6 083	0000	29778661E-01
ED3	1 627950315	11652830	13 970	0000	47898138
ED4	1 442151396	13539084	10 652	0000	21589944
ED5	9584472344E-01	15453403	620	5351	.69921623E-01
ED6	-2 136310665	16135183	-13 240	0000	.56808240E-01
ED7	-8 121370824	14586279	-55 678	0000	.86884934E-01
YDEV	40 62306007	1 9123660	21 242	0000	.11277317E-01
YDEVA1	5 526054959	4 2695911	1 294	1956	.71612559E-04
YDEVA2	5 043192589	1 6315968	3 091	0020	.13201457E-02
YDEVA3	1554650242	1 2223218	127	8988	18677777E-02
YDEVA5	-3 143516531	1 0668058	-2 947	0032	.14647089E-02
YDEVMI1	-2 580314905	1.0401609	-2 481	0131	.17774260E-02
YDEVRE1	-35 98414101	1 0505233	-34 254	0000	10008409E-01
YDEVMR1	-2.076747743	83056057	-2 500	0124	.73725700E-02
YDEVE2	- 6126480198	2.6169477	-.234	8149	.36885684E-03
YDEVE3	1 150915383	1.5948678	722	4705	.58553649E-02
YDEVE4	4483699541	1 8143384	247	.8048	30204251E-02
YDEVE5	2.928590643	2.0265083	1 445	.1484	.42063483E-03
YDEVE6	-3 094858687	2.1427320	-1 444	.1486	.38176024E-03
YDEVE7	-8 587373965	1.9394122	-4 428	.0000	.51133751E-03

Table C.14 : Estimate of Hours worked (Round I, Male)

```
REGRESS,Lhs=TOTHOUR,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed
    ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
    ,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP$
```

```
+----------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep var  = TOTHOUR  Mean=   51 77741224    , S D =   14 16440645     |
| Model size  Observations =  350921, Parameters =  28, Deg Fr.= 350893 |
| Residuals   Sum of squares= 66652408.97    , Std.Dev =       13 78226 |
| Fit         R-squared=   053303, Adjusted R-squared =          05323 |
| Model test· F[ 27, 350893] =  731 73,    Prob value =           00000 |
| Diagnostic. Log-L = ***********, Restricted(b=0) Log-L = ************ |
|             LogAmemiyaPrCrt =    5 247, Akaike Info  Crt.=      8 762 |
| Autocorrel· Durbin-Watson Statistic =  1 49979,   Rho =        .25010 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	49 22285166	15798470	311 567	0000	
AGEX1	-7 711297754	26672220	-28 911	0000	84325794E-02
AGEX2	-2 233492920	11327949	-19 717	0000	73967077E-01
AGEX3	- 1009026745	85340678E-01	-1 182	2371	12934079
AGEX5	-2 286674843	65605162E-01	-34 855	0000	18470531
MIG1	1 121142946	62589157E-01	17 913	.0000	.18230342
REG1	1.780287522	73684283E-01	24.161	0000	.87996052
MRS1	1 130408553	66581836E-01	16 978	0000	72384780
ED2	1.061482330	19376750	5.478	0000	26931050E-01
ED3	2.304872221	13462439	17 121	0000	.47811640
ED4	1 295958738	14628095	8 859	0000	.21650860
ED5	- 8254116138	15165122	-5.443	0000	10430834
ED6	-2 639626011	16070651	-16 425	0000	68883197E-01
ED7	-8 087154433	15893828	-50 882	0000	71944538E-01
YDEV	35 19537560	2 1193005	16 607	0000	11687731E-01
YDEVA1	-18 91192344	4 1790867	-4 525	.0000	.44596810E-04
YDEVA2	2 776996963	1 5460741	1 796	0725	10103357E-02
YDEVA3	6675193061	1 1314627	590	5552	18058343E-02
YDEVA5	-2 290860649	86714605	-2 642	0082	19567854E-02
YDEVMI1	2.539904258	82963730	3 061	0022	20690986E-02
YDEVRE1	-30 33240040	95565175	-31 740	0000	10553774E-01
YDEVMR1	-3 538869625	87611823	-4 039	0001	82572463E-02
YDEVE2	-2 065109366	2 6540276	- 778	4365	36449213E-03
YDEVE3	1083182666	1 8326653	059	9529	62548531E-02
YDEVE4	1 838956658	1 9692388	934	3504	28713114E-02
YDEVE5	.9647985218	2 0305253	475	6347	76786108E-03
YDEVE6	-2 077242141	2 1511865	-.966	3342	53163769E-03
YDEVE7	-2 464777672	2 1239236	-1.160	2459	49697692E-03

Table C .15 Estimate of Hours worked (Round III, Female)

```
REGRESS,Lhs=TOTHOUR,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed
    ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
    ,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP$
```

```
+---------------------------------------------------- ------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP    |
| Dep  var  = TOTHOUR  Mean=   50 43408360     , S D =   14 57071764     |
| Model size  Observations =  319566, Parameters =  28, Deg Fr = 319538 |
| Residuals   Sum of squares= 64368544 22     , Std Dev =       14 19305 |
| Fit         R-squared=   051248, Adjusted R-squared =          05117 |
| Model test  F[ 27, 319538] =  639 27,    Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = *********** |
|             LogAmemiyaPrCrt =    5 306, Akaike Info. Crt.=      8.806 |
| Autocorrel  Durbin-Watson Statistic =   1.37619,   Rho =        31191 |
+-----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Constant	50 88633681	13969610	364 265	0000	
AGEX1	-9 381084655	22748060	-41 239	0000	14483721E-01
AGEX2	-1 911272564	11157826	-17 129	0000	96436367E-01
AGEX3	- 5138796646	89053596E-01	-5 770	0000	13918868
AGEX5	-3 304496319	76632721E-01	-43 121	0000	15719146
MIG1	1 653453198	77237151E-01	21 407	0000	13868948
REG1	3973898441	84974273E-01	4 677	0000	89053323
MRS1	- 8083150857	61710465E-01	-13 099	0000	.67115909
ED2	7375337565	18107080	4 073	0000	.28854603E-01
ED3	1 828659293	10969022	16 673	0000	49893756
ED4	1 720658539	12968163	13 268	0000	22644694
ED5	-1 371603833	15255659	-8 991	0000	62899782E-01
ED6	-3 292610427	16149435	-20 388	0000	47910390E-01
ED7	-9 496917536	14488964	-65 546	0000	72403065E-01
YDEV	22 39983755	1 9660167	11 394	0000	14617554E-01
YDEVA1	-13 81320528	3 6235490	-3 812	0001	- 85883062E-04
YDEVA2	-4 356692190	1 5784298	-2 760	0058	.85743042E-03
YDEVA3	2 774979316	1 2382396	2 241	0250	21142714E-02
YDEVA5	4 633311256	1 0695554	4 332	0000	22923957E-02
YDEVMI1	- 2295573370	1 0836121	- 212	8322	22298296E-02
YDEVRE1	-20 18364533	1 1705878	-17 242	0000	12935642E-01
YDEVMR1	5 887675986	86411537	6 814	0000	10776983E-01
YDEVE2	-8 062055771	2.6207878	-3 076	.0021	32321915E-03
YDEVE3	-6 686871221	1 5641993	-4 275	0000	70183601E-02
YDEVE4	-10 73989052	1.8132615	-5 923	0000	33827666E-02
YDEVE5	-4 035609910	2 0903393	-1 931	.0535	12587667E-02
YDEVE6	-13.38170384	2 2444101	-5 962	.0000	77356717E-03
YDEVE7	-13.25862993	2 0210951	-6 560	.0000	11686662E-02

Table C.16 : Estimate of Hours worked (Round III, male)

```
REGRESS;Lhs=TOTHOUR,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed
      ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
      ,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP$
```

```
+----------------------------------------------------------------------+
| Ordinary     least squares regression     Weighting variable = WTPOP |
| Dep. var. = TOTHOUR  Mean=    52 77791360     , S D =    14 16131008 |
| Model size  Observations =  335354, Parameters =  28, Deg.Fr = 335326 |
| Residuals:  Sum of squares= 62375947 17     , Std Dev.=       13 63876 |
| Fit         R-squared=    072512, Adjusted R-squared =          07244 |
| Model test: F[ 27, 335326] =  970.97,     Prob value =          00000 |
| Diagnostic: Log-L = ***********, Restricted(b=0) Log-L = ************ |
|             LogAmemiyaPrCrt.=    5 226, Akaike Info. Crt =      8 712 |
| Autocorrel  Durbin-Watson Statistic =   1 38548,   Rho =       .30726 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Constant	49 57788453	16148163	307 019	0000	
AGEX1	-11 37879176	22789746	-49 929	0000	12448330E-01
AGEX2	-2 274716501	11069650	-20 549	0000	87899610E-01
AGEX3	2572121964	86402222E-01	2 977	.0029	.13882535
AGEX5	-3 187579021	68405256E-01	-46 598	.0000	.17727253
MIG1	1 340663446	.64108523E-01	20.912	0000	18542572
REG1	2 596037058	78658086E-01	33.004	0000	88808361
MRS1	9911078177	68293456E-01	14 512	0000	70318796
ED2	1 292924235	19750541	6 546	0000	.25701898E-01
ED3	2.708012181	13558442	19 973	.0000	47711527
ED4	2.052646413	14804785	13 865	0000	23179620
ED5	-1.501675448	.15470557	-9 707	0000	10004324
ED6	-3.150741409	16478644	-19 120	0000	65154944E-01
ED7	-9.100623575	16370621	-55 591	0000	66165714E-01
YDEV	14 46294221	2 2740958	6.360	.0000	.15258715E-01
YDEVA1	-17 53997635	3 5427181	-4 951	.0000	-.35397354E-04
YDEVA2	1 937193397	1 5580059	1.243	2137	80249769E-03
YDEVA3	8081556420	1 1988910	674	5003	21438333E-02
YDEVA5	4 562971681	95254229	4 790	0000	27313186E-02
YDEVMI1	3 591726458	89688703	4 005	0001	32463278E-02
YDEVRE1	-20 39121594	1 0784253	-18 908	0000	13538450E-01
YDEVMR1	4928042358	94764515	520	6030	11444097E-01
YDEVE2	1 663203088	2 8246347	589	5560	27956217E-03
YDEVE3	3121935319	1 9327355	162	8717	68144708E-02
YDEVE4	- 2987791312	2.0843446	- 143	8860	37865028E-02
YDEVE5	2 386260201	2.1712835	1 099	2718	18128401E-02
YDEVE6	-2 875950266	2 3175556	-1 241	2146	10601550E-02
YDEVE7	-4 175984051	2 2986959	-1 817	0693	10685794E-02

Table C.17 : Estimate of below 20 Hours a week (Round I, Female)

```
PPOBIT,Lhs=TOTH1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
    ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
    ,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=
```

```
+-----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                    |
| Ordinary    least squares regression    Weighting variable = WTPOP    |
| Dep  var. = TOTH1     Mean=    2811058023E-01, S D =    1652890310     |
| Model size  Observations =  309593, Parameters =  28, Deg Fr = 309565  |
| Residuals   Sum of squares= 8323 905796     , Std Dev.=          16398 |
| Fit:        R-squared=   015877, Adjusted R-squared =          01579 |
| Model test  F[ 27, 309565] =  184 97,     Prob value =          00000 |
| Diagnostic  Log-L = 120470 3514, Restricted(b=0) Log-L =  117992.9200 |
|             LogAmemiyaPrCrt =   -3 616, Akaike Info  Crt =      - 778 |
+-----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	4976881006E-01	15845459E-02	31 409	0000	
AGEX1	1151198059	29635604E-02	38 845	0000	11196792E-01
AGEX2	3107370165E-01	13205177E-02	23 531	0000	86031153E-01
AGEX3	1458329364E-02	10248103E-02	1 423	1547	13629884
AGEX5	1040047776E-01	89471035E-03	11 624	0000	15424253
MIG1	- 6638997761E-02	87292328E-03	-7 605	0000	.14738419
REG1	- 4950515001E-02	90222320E-03	-5 487	0000	.86936560
MRS1	- 7253570963E-02	69591653E-03	-10 423	0000	65772070
ED2	- 9850568492E-02	21094848E-02	-4 670	0000	.29778661E-01
ED3	- 1424998979E-01	12951686E-02	-11 002	0000	47898138
ED4	-.2251048993E-01	15048187E-02	-14 959	0000	21589944
ED5	-.3305236940E-02	17175882E-02	-1 924	0543	69921623E-01
ED6	-.2157633401E-01	17933655E-02	-12 031	0000	56808240E-01
ED7	- 3164380474E-01	.16212105E-02	-19 519	0000	.86884934E-01
YDEV	- 4493227626	.21255236E-01	-21 139	0000	11277317E-01
YDEVA1	- 2085732115	47454914E-01	-4 395	0000	71612559E-04
YDEVA2	- 1209390554	18134590E-01	-6 669	0000	13201457E-02
YDEVA3	3009373272E-01	13585651E-01	2 215	0268	18677777E-02
YDEVA5	.6917811785E-01	11857149E-01	5 834	0000	14647089E-02
YDEVMI1	2142819090E-01	11561001E-01	1.853	.0638	17774260E-02
YDEVRE1	2814359240	11676175E-01	24.103	0000	10008409E-01
YDEVMR1	1033064220	92313712E-02	11 191	0000	73725700E-02
YDEVE2	3316979566E-01	29086398E-01	1 140	.2541	36885684E-03
YDEVE3	9301240977E-02	17726361E-01	525	.5998	58553649E-02
YDEVE4	4594619820E-01	20165695E-01	2 278	.0227	.302042S1E-02
YDEVE5	- 6486767526E-02	22523884E-01	- 288	7734	42063483E-03
YDEVE6	6030935550E-01	23815668E-01	2 532	0113	38176024E-03
YDEVE7	1107870357	21555844E-01	5 140	0000	511337S1E-03

```
Normal exit from iterations  Exit status=0
```

```
+-----------------------------------------+
| Binomial Probit Model                   |
| Maximum Likelihood Estimates            |
| Dependent variable              TOTH1   |
| Weighting variable              WTPOP   |
| Number of observations          309593  |
| Iterations completed                8   |
| Log likelihood function       -37645 39 |
| Results retained for SELECTION model    |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-1 866974510	.26159385E-01	-71 369	0000	
AGEX1	9226423489	.31361243E-01	29 420	0000	11196792E-01
AGEX2	3740888708	19065537E-01	19 621	0000	86031153E-01
AGEX3	3028674122E-01	17758154E-01	1 706	0881	13629884
AGEX5	1623424029	13289014E-01	12.216	0000	.15424253
MIG1	- 8196536628E-01	14775096E-01	-5 548	0000	14738419
REG1	1275252616	19038016E-01	6 698	0000	86936560
MRS1	- 9232497143E-01	11233449E-01	-8 219	0000	65772070

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
ED2	-.1023768912	29789710E-01	-3 437	.0006	.29778661E-01
ED3	- 1657928453	17812038E-01	-9 308	0000	47898138
ED4	- 2884095170	22104120E-01	-13 048	0000	21589944
ED5	- 5175082790E-01	24457670E-01	-2 116	0344	69921623E-01
ED6	- 3019147443	29226266E-01	-10 330	0000	56808240E-01
ED7	- 6167790499	.31790417E-01	-19 401	0000	.86884934E-01
YDEV	-7 422750542	34053878	-21 797	.0000	11277317E-01
YDEVA1	1 322278333	.47549094	2.781	.0054	71612559E-04
YDEVA2	2550171369	.25582443	.997	3188	13201457E-02
YDEVA3	5728659884	23641103	2.423	0154	18677777E-02
YDEVA5	1.354761736	.17541966	7.723	0000	14647089E-02
YDEVMI1	.4391441375E-01	19831864	221	.8248	.17774260E-02
YDEVRE1	5 335796259	.23846065	22.376	.0000	.10008409E-01
YDEVMR1	1 457458795	.14877221	9.797	0000	.73725700E-02
YDEVE2	6474560282E-01	40762213	159	8738	36885684E-03
YDEVE3	-.3501691335	24170534	-1 449	1474	58553649E-02
YDEVE4	- 2635229345	29404413	- 896	3701	30204251E-02
YDEVE5	- 5113076722E-01	31868907	- 160	.8725	42063483E-03
YDEVE6	.1852913236E-01	38001735	049	.9611	38176024E-03
YDEVE7	- 1679313167	.40886538	- 411	6813	51133751E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are TOTH1=0

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 9868808572E-01	17541505E-02	-56 260	0000	
AGEX1	4877078220E-01	16852160E-02	28 940	0000	69797458E-02
AGEX2	1977430026E-01	99013737E-03	19.971	0000	59700159E-01
AGEX3	1600954109E-02	93640181E-03	1 710	0873	11021313
AGEX5	.8581403169E-02	70425265E-03	12 185	0000	16540905
MIG1	- 4332681057E-02	77875208E-03	-5 564	0000	16174874
REG1	6740972565E-02	10122009E-02	6 660	0000	89340747
MRS1	- 4880288748E-02	59795554E-03	-8 162	.0000	.64734578
ED2	-.5411632218E-02	15751327E-02	-3.436	0006	27806460E-01
ED3	-.8763793209E-02	.94298441E-03	-9.294	0000	44647869
ED4	- 1524529820E-01	.11666042E-02	-13 068	0000	16640191
ED5	- 2735543583E-02	12901544E-02	-2 120	0340	85441488E-01
ED6	- 1595918316E-01	15251886E-02	-10 464	0000	76115303E-01
ED7	- 3260287884E-01	15420679E-02	-21 142	0000	14073670
YDEV	- 3923658506	18405938E-01	-21 317	0000	17585462E-01
YDEVA1	6989550030E-01	25102167E-01	2 784	0054	12484181E-03
YDEVA2	1348018033E-01	13510727E-01	998	3184	13580209E-02
YDEVA3	3028163880E-01	.12482569E-01	2 426	0153	21325298E-02
YDEVA5	7161256975E-01	92587442E-02	7 735	0000	27235508E-02
YDEVMI1	2321311515E-02	10483637E-01	221	8248	27231301E-02
YDEVRE1	2820496561	13137458E-01	21 469	0000	20328524E-01
YDEVMR1	7704112602E-01	78486555E-02	9 816	0000	11137207E-01
YDEVE2	3422446084E-02	21547062E-01	159	8738	58085187E-03
YDEVE3	- 1850990534E-01	12775996E-01	-1 449	1474	83898643E-02
YDEVE4	- 1392979594E-01	15539466E-01	- 896	3700	31656003E-02
YDEVE5	- 2702767237E-02	.16845069E-01	- 160	8725	12494672E-02
YDEVE6	9794480818E-03	20088378E-01	049	9611	11519668E-02
YDEVE7	- 8876832589E-02	21590476E-01	- 411	6810	19181612E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are TOTH1=1

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1506565150	23336609E-02	-64.558	0000	
AGEX1	7445312196E-01	26974293E-02	27 602	0000	53141396E-01
AGEX2	3018730319E-01	15653246E-02	19 285	0000	12982645
AGEX3	2444004918E-02	14315095E-02	1 707	0878	75743307E-01
AGEX5	1310030776E-01	10925814E-02	11 990	0000	26557245
MIG1	- 6614239439E-02	11951265E-02	-5 534	0000	10856989
REG1	1029071977E-01	15418194E-02	6 674	0000	84353558
MRS1	- 7450213364E-02	91073231E-03	-8 180	0000	58334454
ED2	- 8261358447E-02	24056769E-02	-3 434	0006	.44531145E-01
ED3	- 1337874307E-01	14494274E-02	-9 230	0000	45432531
ED4	- 2327336152E-01	18062039E-02	-12 885	0000	20072649
ED5	- 4176060969E-02	19733374E-02	-2 116	0343	10345755
ED6	- 2436317313E-01	23664877E-02	-10 295	0000	48836271E-01
ED7	- 4977131808E-01	26083810E-02	-19 081	0000	32826584E-01
YDEV	- 5989828583	28777443E-01	-20 814	0000	.18774115E-02
YDEVA1	1067019632	38342423E-01	2 783	0054	-.16398493E-03
YDEVA2	2057874541E-01	20636253E-01	997	3187	-.48545675E-03
YDEVA3	4622772991E-01	19074815E-01	2 423	0154	-.29947531E-04
YDEVA5	1093232290	14204622E-01	7 696	.0000	31901117E-02
YDEVMI1	3543697302E-02	16002943E-01	221	.8247	- 89031347E-03
YDEVRE1	4305749569	20603089E-01	20 899	.0000	14601534E-01
YDEVMR1	1176104235	11993314E-01	9 806	.0000	17687609E-02
YDEVE2	5224681339E-02	32893786E-01	159	8738	48058657E-03
YDEVE3	- 2825708708E-01	19500066E-01	-1 449	1473	35417194E-02
YDEVE4	- 2126512533E-01	23726166E-01	- 896	3701	- 47842056E-03
YDEVE5	- 4126024837E-02	25716063E-01	- 160	8725	- 10157137E-02
YDEVE6	1495218329E-02	30665824E-01	049	9611	- 83113144E-03
YDEVE7	- 1355130817E-01	32989323E-01	-.411	6812	- 18456881E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1017634477	15501045E-02	-65 649	.0000	
AGEX1	5029059898E-01	17362153E-02	28 966	0000	.11196792E-01
AGEX2	2039051579E-01	.10386133E-02	19 632	0000	.86031153E-01
AGEX3	.1650843752E-02	.96782331E-03	1 706	0881	.13629884
AGEX5	.8848820666E-02	72285728E-03	12 241	0000	.15424253
MIG1	-.4467697988E-02	.80564483E-03	-5 545	.0000	14738419
REG1	.6951037746E-02	10254747E-02	6 778	0000	.86936560
MRS1	-.5032370474E-02	.61239664E-03	-8 218	.0000	65772070
ED2	-.5580271906E-02	16240498E-02	-3 436	0006	.29778661E-01
ED3	- 9036894426E-02	97166071E-03	-9.300	0000	.47898138
ED4	- 1572037895E-01	12043553E-02	-13 053	0000	.21589944
ED5	- 2820789807E-02	13331057E-02	-2 116	0343	.69921623E-01
ED6	- 1645651032E-01	15912837E-02	-10 342	.0000	.56808240E-01
ED7	- 3361886423E-01	16845542E-02	-19 957	0000	.86884934E-01
YDEV	- 4045929295	18128499E-01	-22 318	.0000	.11277317E-01
YDEVA1	7207361493E-01	25896176E-01	2 783	.0054	.71612559E-04
YDEVA2	1390025570E-01	13938240E-01	997	.3186	13201457E-02
YDEVA3	3122528868E-01	12883928E-01	2 424	0154	18677777E-02
YDEVA5	7384419246E-01	95451540E-02	7 736	0000	14647089E-02
YDEVMI1	2393649255E-02	10809903E-01	221	8248	17774260E-02
YDEVRE1	2908390128	12554967E-01	23 165	0000	10008409E-01
YDEVMR1	7944191581E-01	81043649E-02	9 802	.0000	73725700E-02
YDEVE2	3529097869E-02	22218478E-01	159	8738	36885684E-03
YDEVE3	- 1908671923E-01	13172790E-01	-1 449	.1474	58553649E-02

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE4	-.1436388243E-01	16024499E-01	- 896	3701	.30204251E-02
YDEVE5	-.2786992070E-02	17370808E-01	- 160	8725	42063483E-03
YDEVE6	.1009970078E-02	20713866E-01	049	9611	38176024E-03
YDEVE7	- 9153456389E-02	22276699E-01	- 411	6811	51133751E-03

Marginal Effects for Probit			
Variable	TOTH1=0	TOTH1=1	All Obs.
ONE	-.0987	-.1507	- 1018
AGEX1	0488	.0745	0503
AGEX2	0198	.0302	0204
AGEX3	0016	.0024	.0017
AGEX5	0086	.0131	.0088
MIG1	-.0043	-.0066	- 0045
REG1	0067	.0103	0070
MRS1	-.0049	-.0075	- 0050
ED2	-.0054	-.0083	- 0056
ED3	- 0088	-.0134	- 0090
ED4	- 0152	- 0233	- 0157
ED5	- 0027	- 0042	- 0028
ED6	- 0160	-.0244	- 0165
ED7	-.0326	-.0498	-.0336
YDEV	-.3924	-.5990	- 4046
YDEVA1	.0699	.1067	0721
YDEVA2	.0135	.0206	0139
YDEVA3	0303	.0462	0312
YDEVA5	0716	.1093	0738

Marginal Effects for Probit			
Variable	TOTH1=0	TOTH1=1	All Obs
YDEVMI1	0023	0035	0024
YDEVRE1	2820	4306	2908
YDEVMR1	0770	1176	0794
YDEVE2	.0034	0052	0035
YDEVE3	- 0185	-.0283	- 0191
YDEVE4	- 0139	-.0213	- 0144
YDEVE5	-.0027	-.0041	- 0028
YDEVE6	.0010	0015	0010
YDEVE7	-.0089	-.0136	- 0092

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****	0	*****
1	7433	0	7433
Total	*****	0	*****

Table C.18: Estimate of below 20 hours a week (Round I, Male)

```
PROBIT;Lhs=TOTH1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e .
     ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
    ,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep var   = TOTH1    Mean=    1856927730E-01, S D =    1349981895     |
| Model size  Observations =  350921, Parameters =  28, Deg Fr = 350893 |
| Residuals   Sum of squares= 6270 216985    , Std Dev =          13368 |
| Fit         R-squared=   019566, Adjusted R-squared =          01949 |
| Model test. F[ 27, 350893] =  259 35,    Prob value =          00000 |
| Diagnostic  Log-L = 208249 3416, Restricted(b=0) Log-L =  204782 3310 |
|             LogAmemiyaPrCrt =   -4 025, Akaike Info  Crt.=     -1 187 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P(|Z|>z)	Mean of X
Constant	4114526001E-01	15323162E-02	26 852	0000	
AGEX1	1281547574	25869768E-02	49 538	0000	84325794E-02
AGEX2	3682841741E-01	10987140E-02	33 520	0000	73967077E-01
AGEX3	3373658546E-02	82773144E-03	4 076	0000	12934079
AGEX5	1078461138E-01	63631384E-03	16 949	0000	18470531
MIG1	- 3123586906E-02	60706118E-03	-5 145	0000	18230342
REG1	- 6630171682E-02	71467440E-03	-9 277	0000	87996052
MRS1	- 7425734564E-02	64578675E-03	-11 499	0000	.72384780
ED2	- 1029636969E-01	18793787E-02	-5 479	0000	.26931050E-01
ED3	- 1698157315E-01	13057412E-02	-13 005	.0000	47811640
ED4	- 2165290886E-01	14187999E-02	-15 261	0000	21650860
ED5	- 8180723855E-02	14708869E-02	-5 562	0000	.10430834
ED6	- 1119657867E-01	15587155E-02	-7.183	0000	68883197E-01
ED7	- 2238798497E-01	15415651E-02	-14.523	0000	71944538E-01
YDEV	- 3893576805	20555399E-01	-18 942	0000	11687731E-01
YDEVA1	1627593193	40533560E-01	4 015	.0001	44596810E-04
YDEVA2	- 1229326868	14995594E-01	-8 198	0000	10103357E-02
YDEVA3	- 6937903961E-02	10974218E-01	- 632	5273	.18058343E-02
YDEVA5	92068765 47E-02	84105734E-02	1 095	.2737	19567854E-02
YDEVMI1	- 1414233243E-01	80467707E-02	-1 758	0788	20690986E-02
YDEVRE1	2558128836	92690029E-02	27 599	0000	10553774E-01
YDEVMR1	.3983531733E-01	84975959E-02	4.688	0000	82572463E-02
YDEVE2	.1064331441	25741793E-01	4.135	0000	.36449213E-03
YDEVE3	8640703030E-01	17775283E-01	4.861	0000	62548531E-02
YDEVE4	.9080677628E-01	.19099929E-01	4 754	0000	.28713114E-02
YDEVE5	.4045811198E-01	.19694355E-01	2 054	.0399	76786108E-03
YDEVE6	5031975765E-01	20864666E-01	2 412	0159	.53163769E-03
YDEVE7	1095046274	20600239E-01	5 316	0000	.49697692E-03

```
Normal exit from iterations  Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable                 TOTH1  |
| Weighting variable                 WTPOP  |
| Number of observations            350921  |
| Iterations completed                   9  |
| Log likelihood function       -30084.61   |
| Restricted log likelihood     -31657.18   |
| Chi-squared                    3145.140   |
| Degrees of freedom                   27   |
| Significance level             .0000000   |
| Results retained for SELECTION model.     |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P(|Z|>z)	Mean of X
	Index function for probability				
Constant	-2 014525141	.34625860E-01	-58 180	0000	
AGEX1	1 124291452	34198955E-01	32 875	0000	.84325794E-02
AGEX2	5260344149	21230789E-01	24 777	0000	.73967077E-01
AGEX3	7894672338E-01	19840426E-01	3 979	0001	.12934079

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX5	2695909449	14186229E-01	19 004	0000	18470531
MIG1	- 7457303040E-01	15004334E-01	-4 970	0000	18230342
REG1	1397278019	23080703E-01	6 054	0000	87996052
MRS1	- 1699804299	15121048E-01	-11 241	0000	72384780
ED2	- 1353190446	35932853E-01	-3 766	0002	26931050E-01
ED3	-.2674392195	24234120E-01	-11 036	0000	47811640
ED4	- 3480975028	.27690052E-01	-12.571	0000	21650860
ED5	- 1152951791	.28217134E-01	-4 086	.0000	.10430834
ED6	- 1476957051	.31253769E-01	-4 726	.0000	68883197E-01
ED7	- 4641265903	36911919E-01	-12 574	.0000	.71944538E-01
YDEV	-7 991790827	44269238	-18.053	.0000	.11687731E-01
YDEVA1	2.560261447	.50137053	5.107	.0000	44596810E-04
YDEVA2	4373284065	28012605	1.561	1185	.10103357E-02
YDEVA3	3065700645	26026106	1.178	2388	.18058343E-02
YDEVA5	8206567022	18586680	4.415	0000	19567854E-02
YDEVMI1	-.6541128435	19971992	-3 275	0011	20690986E-02
YDEVRE1	6.369004517	.28355528	22.461	.0000	10553774E-01
YDEVMR1	4228621009	19781703	2 138	0325	.82572463E-02
YDEVE2	1.161813906	48236897	2 409	0160	36449213E-03
YDEVE3	5491046624	32324685	1 699	0894	62548531E-02
YDEVE4	2113150760E-01	36659788	058	.9540	28713114E-02
YDEVE5	4214511961E-02	37050448	011	9909	76786108E-03
YDEVE6	- 2837206540E-01	40855176	- 069	9446	53163769E-03
YDEVE7	- 4243433963E-01	47817832	- 089	9293	49697692E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are TOTH1=0

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 7281092215E-01	.15427605E-02	-47 195	.0000	
AGEX1	4063523245E-01	.12916854E-02	31 459	0000	56761627E-02
AGEX2	1901244618E-01	.76259037E-03	24 931	.0000	.52562544E-01
AGEX3	.2853369070E-02	.71239331E-03	4.005	.0001	.95145372E-01
AGEX5	9743817486E-02	.51420152E-03	18.949	.0000	.20728731
MIG1	- 2695290815E-02	.54184872E-03	-4.974	0000	17923732
REG1	5050177779E-02	.83573329E-03	6 043	0000	89602698
MRS1	- 6143597611E-02	.54628241E-03	-11.246	0000	75199580
ED2	- 4890832197E-02	.12996880E-02	-3.763	0002	24646038E-01
ED3	- 9666047742E-02	87956486E-03	-10.990	0000	44456020
ED4	- 1258127767E-01	.10006181E-02	-12.574	0000	16683449
ED5	- 4167110223E-02	10161696E-02	-4.101	0000	12829985
ED6	- 5338161468E-02	11238321E-02	-4 750	0000	91503458E-01
ED7	- 1677491352E-01	12822066E-02	-13.083	0000	11134391
YDEV	- 2888470577	16268022E-01	-17 756	0000	17832205E-01
YDEVA1	9253545319E-01	.18099776E-01	5 113	0000	98004927E-04
YDEVA2	1580634756E-01	10107696E-01	1 564	1179	11021213E-02
YDEVA3	1108035270E-01	93971289E-02	1 179	2383	18073453E-02
YDEVA5	2966097073E-01	67009264E-02	4 426	0000	36506952E-02
YDEVMI1	- 2364158101E-01	72142191E-02	-3 277	0010	30136994E-02
YDEVRE1	2301947405	10636809E-01	21 641	0000	20605787E-01
YDEVMR1	1528349231E-01	71544420E-02	2 136	0327	13248953E-01
YDEVE2	4199140538E-01	17440828E-01	2 408	0161	52076065E-03
YDEVE3	1984627345E-01	11686825E-01	1 698	0895	85049330E-02
YDEVE4	7637554495E-03	13250277E-01	058	9540	30700223E-02
YDEVE5	1523249802E-03	13391206E-01	011	9909	19947667E-02
YDEVE6	- 1025450714E-02	14765589E-01	- 069	9446	13957815E-02
YDEVE7	- 1533703074E-02	17279447E-01	- 089	9293	16822248E-02

| Partial derivatives of E[y] = F[*] with respect to the vector of characteristics |
| They are computed at the means of the Xs |
| Observations used for means are TOTH1=1 |

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X,
	Index function for probability				
Constant	- .1287830633	.24557714E-02	-52.441	.0000	
AGEX1	.7187286684E-01	.24099343E-02	29.824	.0000	.57418538E-01
AGEX2	.3362793641E-01	.14150752E-02	23.764	.0000	.15944321
AGEX3	.5046847351E-02	.12663485E-02	3.985	.0001	.86365074E-01
AGEX5	.1723420919E-01	.94694395E-03	18.200	.0000	.29484340
MIG1	- .4767249162E-02	.96301280E-03	-4.950	.0000	.12337868
REG1	.8932414882E-02	.14803441E-02	6.034	.0000	.82505536
MRS1	- .1086638236E-01	.97770051E-03	-11.114	.0000	.60044290
ED2	- .8650575130E-02	.22994036E-02	-3.762	.0002	.43815248E-01
ED3	- .1709665530E-01	.15667888E-02	-10.912	.0000	.40936413
ED4	- .2225291798E-01	.17970004E-02	-12.383	.0000	.21875989
ED5	- .7370504365E-02	.18053327E-02	-4.083	.0000	.14457450
ED6	- .9441781066E-02	.19993995E-02	-4.722	.0000	.78772540E-01
ED7	- .2967033909E-01	.23827491E-02	-12.452	.0000	.35431825E-01
YDEV	- .5108932536	.29593049E-01	-17.264	.0000	- .88845302E-03
YDEVA1	.1636704875	.32072442E-01	5.103	.0000	.31774755E-03
YDEVA2	.2795720475E-01	.17898764E-01	1.562	.1183	- .60754508E-03
YDEVA3	.1959818282E-01	.16635554E-01	1.178	.2388	-.51535906E-03
YDEVA5	.5246233062E-01	.11905565E-01	4.407	.0000	.23806549E-02
YDEVMI1	- .4181563883E-01	.12789410E-01	-3.270	.0011	- .19084941E-02
YDEVRE1	.4071529786	.19646365E-01	20.724	.0000	.13520104E-01
YDEVMR1	.2703241353E-01	.12648891E-01	2.137	.0326	.42409048E-03
YDEVE2	.7427157433E-01	.30844434E-01	2.408	.0160	.20185068E-03
YDEVE3	.3510275401E-01	.20671450E-01	1.698	.0895	.21166087E-02
YDEVE4	.1350879284E-02	.23435930E-01	.058	.9540	- .28948118E-03
YDEVE5	.2694221826E-03	.23685441E-01	.011	.9909	- .12753084E-02
YDEVE6	- .1813748272E-02	.26116939E-01	-.069	.9446	- .10657861E-02
YDEVE7	- .2712710871E-02	.30567320E-01	-.089	.9293	- .25597912E-03

| Partial derivatives of E[y] = F[*] with respect to the vector of characteristics |
| They are computed at the means of the Xs |
| Observations used for means are All Obs |

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- .7150732241E-01	.13593204E-02	-52.605	.0000	
AGEX1	.3990770316E-01	.12678933E-02	31.476	.0000	.84325794E-02
AGEX2	.1867204918E-01	.76079051E-03	24.543	.0000	.73967077E-01
AGEX3	.2802282626E-02	.70368985E-03	3.982	.0001	.12934079
AGEX5	.9569365117E-02	.49762832E-03	19.230	.0000	.18470531
MIG1	- .2647034588E-02	.53210415E-03	-4.975	.0000	.18230342
REG1	.4959759883E-02	.80582018E-03	6.155	.0000	.87996052
MRS1	- .6033603232E-02	.53520411E-03	-11.273	.0000	.72384780
ED2	- .4803267209E-02	.12760395E-02	-3.764	.0002	.26931050E-01
ED3	- .9492987755E-02	.86214137E-03	-11.011	.0000	.47811640
ED4	- .1235602369E-01	.98465197E-03	-12.549	.0000	.21650860
ED5	- .4092502683E-02	.10021539E-02	-4.084	.0000	.10430834
ED6	- .5242587539E-02	.11104256E-02	-4.721	.0000	.68883197E-01
ED7	- .1647457709E-01	.12997780E-02	-12.675	.0000	.71944538E-01
YDEV	- .2836755678	.15358917E-01	-18.470	.0000	.11687731E-01
YDEVA1	.9087870735E-01	.17785196E-01	5.110	.0000	.44596810E-04
YDEVA2	.1552335224E-01	.99331049E-02	1.563	.1181	.10103357E-02
YDEVA3	.1088197114E-01	.92349844E-02	1.178	.2387	.18058343E-02
YDEVA5	.2912992357E-01	.65810805E-02	4.426	.0000	.19567854E-02
YDEVMI1	- .2321830442E-01	.70829670E-02	-3.278	.0010	.20690986E-02
YDEVRE1	.2260733560	.95818748E-02	23.594	.0000	.10553774E-01
YDEVMR1	.1500985814E-01	.70258243E-02	2.136	.0326	.82572463E-02
YDEVE2	.4123959530E-01	.17127168E-01	2.408	.0160	.36449213E-03
YDEVE3	.1949094768E-01	.11478435E-01	1.698	.0895	.62548531E-02
YDEVE4	.7500812455E-03	.13012999E-01	.058	.9540	.28713114E-02

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE5	.1495977684E-03	.13151399E-01	011	9909	76786108E-03
YDEVE6	-.1007091144E-02	14501745E-01	- 069	9446	53163769E-03
YDEVE7	-.1506243802E-02	16972053E-01	- 089	9293	49697692E-03

Marginal Effects for Probit			
Variable	TOTH1=0	TOTH1=1	All Obs.
ONE	-.0728	- 1288	- 0715
AGEX1	.0406	.0719	0399
AGEX2	.0190	.0336	0187
AGEX3	.0029	.0050	0028
AGEX5	.0097	.0172	0096
MIG1	-.0027	-.0048	- 0026
REG1	.0051	.0089	0050
MRS1	-.0061	-.0109	- 0060
ED2	- 0049	- 0087	- 0048
ED3	- 0097	- 0171	- 0095
ED4	- 0126	-.0223	- 0124
ED5	- 0042	-.0074	- 0041
ED6	- 0053	- 0094	- 0052
ED7	- 0168	- 0297	- 0165
YDEV	- 2888	-.5109	- 2837
YDEVA1	.0925	.1637	0909
YDEVA2	0158	0280	0155
YDEVA3	.0111	0196	0109
YDEVA5	0297	0525	0291

Marginal Effects for Probit			
Variable	TOTH1=0	TOTH1=1	All Obs
YDEVMI1	- 0236	- 0418	- 0232
YDEVRE1	2302	4072	2261
YDEVMR1	0153	0270	0150
YDEVE2	0420	0743	0412
YDEVE3	0198	0351	0195
YDEVE4	0008	0014	.0008
YDEVE5	0002	0003	0001
YDEVE6	-.0010	- 0018	- 0010
YDEVE7	- 0015	- 0027	- 0015

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability.

	Predicted		
Actual	0	1	Total
0	*****	0	*****
1	6322	0	6322
Total	*****	0	*****

Table C.19: Estimate of below 20 hours a week (Round III, Female)

```
PROBIT,Lhs=TOTH1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
    ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
    ,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills);Prob=prob,Margin=
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = TOTH1     Mean=    2741058217E-01, S D =    1632768372    |
| Model size  Observations =  319566, Parameters =  28, Deg Fr = 319538 |
| Residuals   Sum of squares= 8295 820523     , Std Dev =          16113 |
| Fit         R-squared=   026242, Adjusted R-squared =          02616 |
| Model test  F[ 27, 319538] =  318 94,     Prob value =          00000 |
| Diagnostic  Log-L = 129957 0885, Restricted(b=0) Log-L =  125708 0435 |
|             LogAmemiyaPrCrt =   -3 651, Akaike Info. Crt =      - 813 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	3080652088E-01	15859048E-02	19 425	.0000	
AGEX1	1650572712	25824813E-02	63 914	0000	14483721E-01
AGEX2	4428310531E-01	12666960E-02	34 960	0000	96436367E-01
AGEX3	9562292041E-02	10109840E-02	9 458	0000	13918868
AGEX5	2053876549E-01	86997561E-03	23 608	0000	15719146
MIG1	- 1440715623E-01	87683742E-03	-16 431	0000	13868948
REG1	5158025762E-02	96467337E-03	5 347	0000	89053323
MRS1	- 8415641828E-03	70057018E-03	-1 201	.2297	67115909
ED2	- 4991275957E-02	.20556125E-02	-2 428	0152	28854603E-01
ED3	- 1330577239E-01	.12452620E-02	-10 685	0000	49893756
ED4	- 2629628736E-01	14722152E-02	-17 862	0000	22644694
ED5	.8060627007E-02	17319040E-02	4 654	0000	62899782E-01
ED6	-.1850225162E-01	18333701E-02	-10 092	0000	47910390E-01
ED7	-.2682828048E-01	16448646E-02	-16 310	0000	.72403065E-01
YDEV	- 3212784177	22319273E-01	-14 395	0000	.14617554E-01
YDEVA1	5313088618	41136465E-01	12 916	.0000	- 85883062E-04
YDEVA2	2174671894E-02	17919179E-01	121	.9034	.85743042E-03
YDEVA3	- 6519859940E-01	14057158E-01	-4 638	0000	21142714E-02
YDEVA5	- 1180048156	12142165E-01	-9 719	0000	22923957E-02
YDEVMI1	1647698152E-01	12301744E-01	1 339	1804	22298296E-02
YDEVRE1	1583043360	13289138E-01	11 912	0000	12935642E-01
YDEVMR1	- 5095761669E-01	98098995E-02	-5 195	0000	10776983E-01
YDEVE2	7358687837E-01	29752584E-01	2 473	.0134	.32321915E-03
YDEVE3	1212175578	17757626E-01	6 826	.0000	70183601E-02
YDEVE4	1519462975	20585114E-01	7 381	.0000	33827666E-02
YDEVE5	1597313242	23730649E-01	6 731	.0000	12587667E-02
YDEVE6	2318452926	25479743E-01	9 099	.0000	77356717E-03
YDEVE7	2194865820	22944552E-01	9 566	.0000	11686662E-02

```
Normal exit from iterations. Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable                TOTH1   |
| Weighting variable                WTPOP   |
| Number of observations            319566  |
| Iterations completed                   8  |
| Log likelihood function       -37030.27   |
| Results retained for SELECTION model.     |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-2 113617371	.28704096E-01	-73 635	0000	
AGEX1	1 304063866	28377983E-01	45 953	0000	14483721E-01
AGEX2	5948386238	19435982E-01	30 605	0000	96436367E-01
AGEX3	1524016798	18344227E-01	8 308	0000	13918868
AGEX5	2905230541	13157467E-01	22.080	0000	15719146
MIG1	- 2520993355	16905413E-01	-14 912	0000	13868948
REG1	2333629453	21696173E-01	10 756	0000	89053323
MRS1	- 1370489224E-01	11921099E-01	-1 150	2503	.67115909

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
ED2	- 3804831632E-01	29524864E-01	-1 289	1975	28854603E-01
ED3	- 1472044994	18103061E-01	-8 131	0000	49893756
ED4	- 3613298395	23114573E-01	-15 632	0000	22644694
ED5	.6511581221E-01	25158078E-01	2 588	0096	62899782E-01
ED6	-.2470623984	31465811E-01	-7 852	.0000	47910390E-01
ED7	-.5736754138	.35402363E-01	-16 204	.0000	.72403065E-01
YDEV	-6 476781701	.41224186	-15.711	.0000	.14617554E-01
YDEVA1	3 300564682	43012202	7.674	0000	- 85883062E-04
YDEVA2	9193298865	27472070	3.346	.0008	85743042E-03
YDEVA3	- 7944705213	26510960	-2 997	.0027	21142714E-02
YDEVA5	- 4828508143	18859577	-2 560	0105	22923957E-02
YDEVMI1	- 5044048732	.24717484	-2 041	.0413	.22298296E-02
YDEVRE1	4 541143428	30529296	14 875	.0000	12935642E-01
YDEVMR1	- 8660940493	17102098	-5 064	0000	10776983E-01
YDEVE2	7632948570	43798150	1.743	0814	32321915E-03
YDEVE3	.8527228676	.26678696	3 196	.0014	70183601E-02
YDEVE4	7273575946	.33465732	2 173	.0297	33827666E-02
YDEVE5	1 882661374	.35537589	5 298	.0000	.12587667E-02
YDEVE6	2 786511491	.43875431	6.351	.0000	.77356717E-03
YDEVE7	1 928614319	49916774	3.864	0001	11686662E-02

Partial derivatives of E[y] = F(*) with respect to the vector of characteristics They are computed at the means of the Xs Observations used for means are TOTH1=0

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 9624665714E-01	.17374772E-02	-55 394	0000	
AGEX1	5938245469E-01	.13943458E-02	42.588	0000	93649578E-02
AGEX2	2708684640E-01	87104581E-03	31.097	0000	63747713E-01
AGEX3	6939833306E-02	82522676E-03	8 410	0000	11005027
AGEX5	1322939202E-01	60892474E-03	21 726	0000	17140788
MIG1	- 1147971182E-01	76252529E-03	-15 055	0000	15024622
REG1	1062652289E-01	99662408E-03	10 663	0000	90659071
MRS1	- 6240723051E-03	54326009E-03	-1 149	2507	65939812
ED2	- 1732585711E-02	13445758E-02	-1 289	1975	.27252252E-01
ED3	- 6703172097E-02	82670570E-03	-8 108	.0000	47119226
ED4	- 1645368252E-01	10539685E-02	-15 611	0000	17143031
ED5	2965143709E-02	11491437E-02	2 580	0099	77883257E-01
ED6	- 1125034752E-01	14209073E-02	-7 918	0000	68239561E-01
ED7	- 2612314869E-01	15015288E-02	-17 398	0000	12533921
YDEV	- 2949297240	19051783E-01	-15 480	0000	26375223E-01
YDEVA1	1502960383	19533216E-01	7 694	0000	56414019E-04
YDEVA2	4186303046E-01	12459758E-01	3 360	0008	12630403E-02
YDEVA3	- 3617737672E-01	12113361E-01	-2 987	.0028	26930392E-02
YDEVA5	- 2198731777E-01	86068090E-02	-2 555	0106	46517517E-02
YDEVMI1	-.2296881335E-01	11236506E-01	-2 044	0409	.38378699E-02
YDEVRE1	.2067876052	14266990E-01	14 494	.0000	.27813506E-01
YDEVMR1	- 3943885878E-01	78069554E-02	-5 052	0000	.18162300E-01
YDEVE2	3475774727E-01	19947790E-01	1 742	.0814	67878739E-03
YDEVE3	3882998248E-01	12159979E-01	3 193	0014	12370306E-01
YDEVE4	3312129148E-01	15260414E-01	2 170	.0300	43117275E-02
YDEVE5	8572973815E-01	.16232895E-01	5.281	0000	.22692792E-02
YDEVE6	1268878747	.20080900E-01	6.319	0000	17539964E-02
YDEVE7	8782227271E-01	.22957312E-01	3 825	0001	34995037E-02

```
+-----------------------------------------+
| Partial derivatives of E(y) = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are TOTH1=1   |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1768687924	27097610E-02	-65 271	0000	
AGEX1	1091248606	27091516E-02	40.280	.0000	.86903962E-01
AGEX2	.4977645930E-01	16872396E-02	29.502	0000	15836132
AGEX3	1275306564E-01	15313795E-02	8 328	0000	75889859E-01
AGEX5	2431114659E-01	11501798E-02	21 137	0000	28139691
MIG1	- 2109582635E-01	14284693E-02	-14 768	0000	84754869E-01
REG1	1952795377E-01	18311569E-02	10 664	0000	91403627
MRS1	- 1146833752E-02	99811599E-03	-1 149	2506	55339154
ED2	- 3183906345E-02	24708113E-02	-1 289	1975	45936870E-01
ED3	- 1231816241E-01	.15238739E-02	-8 083	0000	44633983
ED4	- 3023630163E-01	19641801E-02	-15 394	0000	.22055071
ED5	5448930930E-02	21074079E-02	2 586	0097	11148422
ED6	- 2067433238E-01	26319410E-02	-7 855	0000	47280054E-01
ED7	- 4800550896E-01	30014223E-02	-15 994	.0000	22162525E-01
YDEV	-.5419810480	35432649E-01	-15 296	0000	83127737E-02
YDEVA1	.2761932682	36221496E-01	7 625	0000	15889053E-02
YDEVA2	7693008632E-01	22975052E-01	3 348	0008	23343989E-02
YDEVA3	- 6648177839E-01	22217603E-01	-2.992	0028	11161854E-04
YDEVA5	- 4040525101E-01	15782740E-01	-2.560	.0105	12899396E-02
YDEVMI1	- 4220890782E-01	20673458E-01	-2 042	0412	11996239E-02
YDEVRE1	3800056553	26464349E-01	14 359	0000	14086259E-01
YDEVMR1	- 7247527895E-01	14344472E-01	-5 052	0000	25094963E-02
YDEVE2	6387297977E-01	36660905E-01	1 742	0815	17828073E-03
YDEVE3	7135637031E-01	22339157E-01	3 194	0014	27831430E-02
YDEVE4	6086572770E-01	28019694E-01	2 172	0298	26107723E-02
YDEVE5	1575422535	29799837E-01	5 287	0000	.20558899E-02
YDEVE6	2331769832	36828666E-01	6 331	0000	80824715E-03
YDEVE7	1613876240	41838330E-01	3 857	0001	.35442579E-03

```
+-----------------------------------------+
| Partial derivatives of E(y) = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs.  |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1040454176	15685668E-02	-66.332	0000	
AGEX1	6419414950E-01	14653681E-02	43 808	0000	14483721E-01
AGEX2	2928166369E-01	95774668E-03	30 573	.0000	.96436367E-01
AGEX3	7502160345E-02	90246396E-03	8.313	0000	13918868
AGEX5	1430135507E-01	.64673418E-03	22 113	0000	.15719146
MIG1	- 1240990021E-01	.82776570E-03	-14 992	0000	.13868948
REG1	1148757832E-01	.10478292E-02	10 963	0000	.89053323
MRS1	- 6746401957E-03	.58681479E-03	-1 150	2503	.67115909
ED2	- 1872975221E-02	.14535350E-02	-1.289	.1975	.28854603E-01
ED3	- 7246322740E-02	.89223389E-03	-8 122	.0000	.49893756
ED4	-.1778690626E-01	.11373387E-02	-15 639	.0000	.22644694
ED5	.3205406034E-02	12388286E-02	2 587	.0097	62899782E-01
ED6	- 1216195078E-01	15494432E-02	-7 849	.0000	47910390E-01
ED7	- 2823987862E-01	17057469E-02	-16 556	0000	72403065E-01
YDEV	- 3188275542	19892782E-01	-16 027	0000	14617554E-01
YDEVA1	1624743605	21164294E-01	7 677	0000	- 85883062E-04
YDEVA2	4525514565E-01	13505600E-01	3 351	0008	85743042E-03
YDEVA3	- 3910878966E-01	13054932E-01	-2 996	0027	21142714E-02
YDEVA5	- 2376892588E-01	92975558E-02	-2 556	0106	22923957E-02
YDEVMI1	- 2482995096E-01	12156154E-01	-2.043	.0411	.22298296E-02
YDEVRE1	2235433768	14648083E-01	15.261	0000	.12935642E-01
YDEVMR1	- 4263454601E-01	84194058E-02	-5.064	0000	10776983E-01
YDEVE2	3757412920E-01	21561090E-01	1.743	0814	32321915E-03
YDEVE3	4197633313E-01	.13141817E-01	3 194	0014	70183601E-02

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE4	3580507320E-01	.16487829E-01	2 172	.0299	33827666E-02
YDEVE5	9267632428E-01	17504246E-01	5 295	0000	12587667E-02
YDEVE6	1371694592	21612100E-01	6 347	0000	.77356717E-03
YDEVE7	9493841461E-01	24639255E-01	3 853	0001	11686662E-02

Marginal Effects for Probit			
Variable	TOTH1=0	TOTH1=1	All Obs
ONE	- 0962	- 1769	- 1040
AGEX1	.0594	1091	0642
AGEX2	.0271	0498	.0293
AGEX3	0069	0128	.0075
AGEX5	0132	0243	.0143
MIG1	- 0115	- 0211	- 0124
REG1	.0106	.0195	0115
MRS1	- 0006	- 0011	- 0007
ED2	- 0017	- 0032	- 0019
ED3	- 0067	- 0123	- 0072
ED4	- 0165	- 0302	- 0178
ED5	.0030	0054	.0032
ED6	-.0113	-.0207	-.0122
ED7	-.0261	-.0480	-.0282
YDEV	-.2949	- 5420	-.3188
YDEVA1	1503	.2762	.1625
YDEVA2	0419	.0769	.0453
YDEVA3	- 0362	- 0665	-.0391
YDEVA5	- 0220	-.0404	-.0238

Marginal Effects for Probit			
Variable	TOTH1=0	TOTH1=1	All Obs
YDEVMI1	- 0230	- 0422	- 0248
YDEVRE1	.2068	.3800	2235
YDEVMR1	-.0394	- 0725	- 0426
YDEVE2	0348	0639	0376
YDEVE3	0388	0714	0420
YDEVE4	0331	0609	0358
YDEVE5	.0857	.1575	0927
YDEVE6	.1269	.2332	1372
YDEVE7	0878	1614	0949

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****	0	*****
1	7445	0	7445
Total	*****	0	*****

Table C.20: Estimate of below 20 hours a week (Round III, male)

```
PROBIT,Lhs=TOTH1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills),Prob= prob,Margin=
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = TOTH1    Mean=    1944968502E-01, S D.=   .1380994267     |
| Model size: Observations =  335354, Parameters =  28, Deg.Fr = 335326 |
| Residuals   Sum of squares= 6174.564108    , Std Dev =          13570 |
| Fit         R-squared=   034571, Adjusted R-squared =          03449 |
| Model test  F[ 27, 335326] =  444 73,    Prob value =          00000 |
| Diagnostic  Log-L = 193980 7090, Restricted(b=0) Log-L =  188081 3831 |
|             LogAmemiyaPrCrt =   -3 995, Akaike Info  Crt =     -1 157 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	2494079895E-01	16066367E-02	15 524	0000	
AGEX1	1835705935	22674309E-02	80 960	0000	12448330E-01
AGEX2	5157465718E-01	11013579E-02	46 828	0000	87899610E-01
AGEX3	8086543002E-02	85964568E-03	9 407	0000	13882535
AGEX5	1534704728E-01	68058762E-03	22.550	0000	17727253
MIG1	- 7133005301E-02	63783794E-03	-11 183	.0000	18542572
REG1	1762294716E-02	78259659E-03	2 252	0243	88808361
MRS1	- 4849748753E-02	67947529E-03	-7 137	.0000	70318796
ED2	- 5480960229E-02	19650498E-02	-2 789	0053	25701898E-01
ED3	-.1217698417E-01	13489764E-02	-9 027	0000	47711527
ED4	- 2137887992E-01	14729794E-02	-14 514	.0000	23179620
ED5	3032566641E-03	15392193E-02	197	.8438	10004324
ED6	- 7202491166E-02	16395175E-02	-4 393	0000	65154944E-01
ED7	-.1556758561E-01	16287699E-02	-9 558	0000	66165714E-01
YDEV	- 3128132347	22625768E-01	-13 826	0000	15258715E-01
YDEVA1	5780793504	35247732E-01	16 400	0000	- 35397354E-04
YDEVA2	- 3487780404E-01	15501141E-01	-2 250	0244	80249769E-03
YDEVA3	- 2656212421E-01	11928183E-01	-2 227	0260	21438333E-02
YDEVA5	-.5033415635E-01	94771737E-02	-5 311	.0000	27313186E-02
YDEVMI1	- 9383239888E-02	89234403E-02	-1 052	.2930	.32463278E-02
YDEVRE1	1275697804	10729627E-01	11 889	.0000	.13538450E-01
YDEVMR1	-.5558297392E-03	94284503E-02	- 059	9530	.11444097E-01
YDEVE2	.1139821502	28103271E-01	4 056	.0000	.27956217E-03
YDEVE3	1732508776	19229456E-01	9 010	.0000	.68144708E-02
YDEVE4	1923872572	20737868E-01	9.277	0000	.37865028E-02
YDEVE5	1823006959	21602853E-01	8 439	.0000	.18128401E-02
YDEVE6	2032340558	.23058165E-01	8 814	0000	10601550E-02
YDEVE7	2143352560	22870523E-01	9 372	0000	10685794E-02

Normal exit from iterations Exit status=0

Binomial Probit Model	
Maximum Likelihood Estimates	
Dependent variable	TOTH1
Weighting variable	WTPOP
Number of observations	335354
Iterations completed	8
Log likelihood function	-28819.16
Restricted log likelihood	-29773.63
Chi-squared	1908 942
Degrees of freedom	27
Significance level	0000000
Results retained for SELECTION model	

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-2.185876856	35438107E-01	-61 682	0000	
AGEX1	1.499720838	30611597E-01	48.992	.0000	12448330E-01
AGEX2	7580773408	21861579E-01	34.676	0000	87899610E-01
AGEX3	1947762565	20896245E-01	9.321	0000	13882535
AGEX5	3754199261	14933545E-01	25.139	0000	17727253

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
MIG1	- 1662452552	16233096E-01	-10 241	0000	18542572
REG1	1318894364	21264521E-01	6 202	.0000	88808361
MRS1	- 1291505715	.16333781E-01	-7 907	.0000	70318796
ED2	- 4595039898E-01	.38391494E-01	-1.197	2313	.25701898E-01
ED3	- 1690777394	26546727E-01	-6 369	0000	47711527
ED4	- 3350671329	29995764E-01	-11.170	.0000	23179620
ED5	2025415812E-01	30347246E-01	667	5045	.10004324
ED6	-.6432020240E-01	34039886E-01	-1 890	0588	65154944E-01
ED7	-.3025329754	.38819112E-01	-7.793	.0000	66165714E-01
YDEV	-6 651692062	.50954019	-13.054	.0000	.15258715E-01
YDEVA1	2 789712895	45095456	6 186	0000	- 35397354E-04
YDEVA2	2014661994	30467716	661	5085	80249769E-03
YDEVA3	- 3142018710	29578659	-1 062	2881	21438333E-02
YDEVA5	- 1332494026	21119568	- 631	5281	.27313186E-02
YDEVMI1	-.6757399565	23347094	-2 894	0038	.32463278E-02
YDEVRE1	3 938025106	.29921143	13.161	.0000	.13538450E-01
YDEVMR1	-.3640498834	.23037569	-1.580	.1141	.11444097E-01
YDEVE2	1 501581834	.56495831	2.658	0079	.27956217E-03
YDEVE3	2 255135537	39095161	5.768	0000	68144708E-02
YDEVE4	2.215277834	43616903	5 079	0000	37865028E-02
YDEVE5	2.888288398	.43763738	6 600	0000	18128401E-02
YDEVE6	3 154862947	48837058	6 460	0000	10601550E-02
YDEVE7	3.152204646	55471642	5 683	.0000	.10685794E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are TOTH1=0

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 7386017295E-01	15471006E-02	-47 741	0000	
AGEX1	5067515134E-01	11634154E-02	43 557	0000	.83021686E-02
AGEX2	2561522318E-01	74469626E-03	34 397	0000	59256539E-01
AGEX3	6581435708E-02	69352945E-03	9 490	.0000	97646859E-01
AGEX5	.1268533522E-01	.50762132E-03	24 990	0000	.20650696
MIG1	- 5617381083E-02	54777654E-03	-10.255	0000	.17737803
REG1	4456507492E-02	.72298597E-03	6.164	0000	90388305
MRS1	- 4363962006E-02	55152402E-03	-7.913	0000	74155820
ED2	- 1552651242E-02	12974757E-02	-1 197	2314	24284223E-01
ED3	- 5713089938E-02	89971170E-03	-6 350	0000	45065446
ED4	- 1132182553E-01	.10158426E-02	-11 145	0000	17279439
ED5	6843823877E-03	10259895E-02	667	5047	12459627
ED6	- 2173361807E-02	11482187E-02	-1 893	0584	88048520E-01
ED7	- 1022250536E-01	12885403E-02	-7 933	.0000	.10648024
YDEV	-.2247588307	17440969E-01	-12 887	.0000	26478323E-01
YDEVA1	9426362529E-01	.15214414E-01	6.196	0000	59420457E-04
YDEVA2	6807487022E-02	.10287096E-01	.662	5081	12268432E-02
YDEVA3	- 1061679411E-01	10006387E-01	-1 061	2887	23781925E-02
YDEVA5	- 4502460372E-02	71408938E-02	- 631	5284	57103214E-02
YDEVMI1	- 2283306579E-01	78812432E-02	-2 897	0038	46888335E-02
YDEVRE1	1330647766	10412309E-01	12 780	0000	.27995977E-01
YDEVMR1	- 1230114463E-01	77809650E-02	-1 581	1139	.20242036E-01
YDEVE2	5073803387E-01	19095990E-01	2 657	0079	61123358E-03
YDEVE3	7620040458E-01	13231063E-01	5 759	0000	11652832E-01
YDEVE4	7185362386E-01	14775274E-01	5 066	0000	44935884E-02
YDEVE5	9759446421E-01	14830809E-01	6 581	0000	35504398E-02
YDEVE6	1066019443	16563998E-01	6 436	0000	23178088E-02
YDEVE7	1065121211	18884809E-01	5 640	0000	29671428E-02

```
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are TOTH1=1   |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1584418784	28739554E-02	-55 130	0000	
AGEX1	1087063006	.27150723E-02	40 038	0000	11144883
AGEX2	5494874861E-01	17113018E-02	32 109	0000	20246538
AGEX3	1411823171E-01	15127228E-02	9 333	0000	75143533E-01
AGEX5	2721207195E-01	11594539E-02	23 470	0000	29702803
MIG1	- 1205018043E-01	11900297E-02	-10 126	0000	99121918E-01
REG1	9559920996E-02	15470512E-02	6 179	0000	90138467
MRS1	- 9361396134E-02	11919707E-02	-7 854	0000	53123945
ED2	- 3330685125E-02	27843101E-02	-1 196	2316	.38500507E-01
ED3	- 1225549122E-01	19384362E-02	-6 322	0000	37723742
ED4	- 2428712568E-01	22113770E-02	-10 983	0000	26004728
ED5	1468109628E-02	21993053E-02	668	5044	15028707
ED6	- 4662208513E-02	24682463E-02	-1 889	0589	73961499E-01
ED7	- 2192890819E-01	28320282E-02	-7 743	0000	33096927E-01
YDEV	- 4821436221	37815693E-01	-12 750	0000	15868271E-01
YDEVA1	2022105454	32877895E-01	6 150	0000	20911010E-02
YDEVA2	1460314792E-01	22082779E-01	661	5084	32942756E-02
YDEVA3	- 2277472059E-01	21450171E-01	-1 062	2883	66408308E-03
YDEVA5	- 9658497269E-02	15308060E-01	- 631	5281	41903242E-02
YDEVMI1	- 4898057625E-01	16940241E-01	-2.891	0038	13738433E-02
YDEVRE1	2854452177	22635089E-01	12 611	0000	22317781E-01
YDEVMR1	- 2638792172E-01	16698100E-01	-1 580	1140	86907970E-02
YDEVE2	1088411937	40944806E-01	2 658	0079	16955420E-03
YDEVE3	1634620494	28365164E-01	5 763	0000	67257177E-02
YDEVE4	1605729894	31652696E-01	5 073	0000	.43910672E-02
YDEVE5	2093557274	31777760E-01	6 588	0000	26417933E-02
YDEVE6	2286782121	35509302E-01	6 440	0000	15437690E-02
YDEVE7	2284855269	40277385E-01	5 673	0000	39179331E-03

```
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics. |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs   |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 7541926316E-01	14351923E-02	-52.550	0000	
AGEX1	5174483651E-01	11621953E-02	44 523	.0000	12448330E-01
AGEX2	2615592653E-01	76970458E-03	33 982	0000	87899610E-01
AGEX3	6720361079E-02	.71880138E-03	9.349	0000	13882535
AGEX5	1295310581E-01	.50438264E-03	25 681	.0000	17727253
MIG1	-.5735956541E-02	.55799818E-03	-10.280	0000	18542572
REG1	.4550578449E-02	.72814086E-03	6.250	0000	88808361
MRS1	- 4456079451E-02	56193517E-03	-7 930	0000	70318796
ED2	- 1585425649E-02	13247834E-02	-1 197	2314	25701898E-01
ED3	- 5833685683E-02	91710475E-03	-6 361	0000	47711527
ED4	-.1156081423E-01	10374418E-02	-11 144	.0000	23179620
ED5	.6988287914E-03	10470061E-02	667	5045	10004324
ED6	-.2219238589E-02	11749914E-02	-1 889	0589	.65154944E-01
ED7	- 1043828888E-01	13368550E-02	-7 808	0000	66165714E-01
YDEV	- 2295031912	17435567E-01	-13 163	0000	15258715E-01
YDEVA1	9625340528E-01	15576069E-01	6 180	0000	- 35397354E-04
YDEVA2	6951184037E-02	10510128E-01	661	5084	80249769E-03
YDEVA3	- 1084090054E-01	10207577E-01	-1 062	2882	21438333E-02
YDEVA5	- 4597501333E-02	72902492E-02	- 631	5283	27313186E-02
YDEVMI1	- 2331504150E-01	80458514E-02	-2 898	0038	32463278E-02
YDEVRE1	1358735974	10158374E-01	13 376	0000	13538450E-01
YDEVMR1	- 1256080546E-01	79449857E-02	-1 581	1139	11444097E-01
YDEVE2	5180904641E-01	19497586E-01	2 657	0079	27956217E-03
YDEVE3	7780889397E-01	13508008E-01	5 760	0000	68144708E-02

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Index function for probability					
YDEVE4	.7643368449E-01	15072726E-01	5 071	0000	37865028E-02
YDEVE5	9965455379E-01	15110472E-01	6 595	.0000	18128401E-02
YDEVE6	1088521699	.16861492E-01	6.456	0000	.10601550E-02
YDEVE7	1087604506	19166978E-01	5 674	0000	10685794E-02

Marginal Effects for Probit			
Variable	TOTH1=0	TOTH1=1	All Obs
ONE	- 0739	- 1584	- 0754
AGEX1	0507	1087	0517
AGEX2	0256	0549	0262
AGEX3	.0066	0141	.0067
AGEX5	0127	.0272	.0130
MIG1	-.0056	- 0121	-.0057
REG1	0045	.0096	.0046
MRS1	- 0044	- 0094	-.0045
ED2	- 0016	- 0033	- 0016
ED3	- 0057	- 0123	- 0058
ED4	-.0113	-.0243	- 0116
ED5	0007	.0015	0007
ED6	- 0022	-.0047	- 0022
ED7	- 0102	-.0219	- 0104
YDEV	- 2248	- 4821	- 2295
YDEVA1	0943	2022	0963
YDEVA2	.0068	.0146	0070
YDEVA3	- 0106	- 0228	- 0108
YDEVA5	-.0045	-.0097	- 0046

Marginal Effects for Probit			
Variable	TOTH1=0	TOTH1=1	All Obs
YDEVMI1	-.0228	-.0490	- 0233
YDEVRE1	1331	.2854	1359
YDEVMR1	- 0123	- 0264	- 0126
YDEVE2	0507	1088	.0518
YDEVE3	0762	1635	0778
YDEVE4	0749	1606	0764
YDEVE5	0976	2094	0997
YDEVE6	1066	2287	1089
YDEVE7	1065	2285	1088

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****	0	*****
1	5922	0	5922
Total	*****	0	*****

Table C.21 : Estimate of Work status (Round I, Female)

```
PROBIT,Lhs=WKST3,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills);Prob= prob,Margin=
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = WKST3    Mean=    5725400456    , S D =    4947107562    |
| Model size  Observations =  309593, Parameters =  28, Deg Fr = 309565 |
| Residuals   Sum of squares= 69925 74303    , Std Dev.=          47527 |
| Fit         R-squared=   077121, Adjusted R-squared =          07704 |
| Model test  F[ 27, 309565] =  958 11,    Prob value =          .00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -221406 9562 |
|             LogAmemiyaPrCrt =   -1 488, Akaike Info  Crt.=      1 350 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	8541112782	45926124E-02	185 975	0000	
AGEX1	- 3332566005	85895172E-02	-38 798	0000	11196792E-01
AGEX2	- 2077031081	38273588E-02	-54 268	0000	86031153E-01
AGEX3	- 4718827977E-01	29702871E-02	-15 887	0000	13629884
AGEX5	- 3036902678E-01	25932085E-02	-11 711	0000	15424253
MIG1	1329181013	25300613E-02	52 536	.0000	.14738419
REG1	- 1067334881	26149835E-02	-40 816	0000	86936560
MRS1	- 2189994369	20170289E-02	-108 575	0000	65772070
ED2	2476204865E-01	61140834E-02	4 050	0001	29778661E-01
ED3	- 2291884633E-03	37538877E-02	- 061	9513	.47898138
ED4	- 1874730306E-01	43615329E-02	-4 298	0000	21589944
ED5	- 1951866439E-02	49782192E-02	- 392	6950	69921623E-01
ED6	- 6829815911E-01	51978503E-02	-13 140	0000	56808240E-01
ED7	- 2948857780	46988803E-02	-62 757	0000	86884934E-01
YDEV	1 491120397	61605700E-01	24 204	0000	.11277317E-01
YDEVA1	4814808375	13754226	3 501	.0005	.71612559E-04
YDEVA2	7490482492	52560891E-01	14 251	0000	.13201457E-02
YDEVA3	2744878680	39376346E-01	6 971	.0000	.18677777E-02
YDEVA5	5998542792E-02	34366496E-01	175	.8614	.14647089E-02
YDEVMI1	- 7725204061E-01	33508147E-01	-2 305	0211	.17774260E-02
YDEVRE1	-1 620658720	33841965E-01	-47 889	.0000	.10008409E-01
YDEVMR1	1925975296	26756000E-01	7 198	.0000	.73725700E-02
YDEVE2	8543227849E-02	.84303366E-01	101	.9193	.36885684E-03
YDEVE3	- 1093237570	51377689E-01	-2.128	.0333	.58553649E-02
YDEVE4	- 2333556962	58447800E-01	-3.993	.0001	.30204251E-02
YDEVE5	- 5145566107	65282722E-01	-7 882	0000	42063483E-03
YDEVE6	- 4322327528	69026798E-01	-6 262	0000	38176024E-03
YDEVE7	- 5015904841	62476976E-01	-8 028	0000	.51133751E-03

Normal exit from iterations Exit status=0

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable              WKST3     |
| Weighting variable              WTPOP     |
| Number of observations          309593    |
| Iterations completed                5     |
| Log likelihood function       -198518 1   |
| Restricted log likelihood     -212013 5   |
| Chi-squared                    26990 79   |
| Degrees of freedom                27      |
| Significance level             0000000    |
| Results retained for SELECTION model.     |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Index function for probability					
Constant	1.014041358	12881436E-01	78.721	.0000	
AGEX1	- 9024748329	23217028E-01	-38 871	0000	11196792E-01
AGEX2	- 5701637380	10454932E-01	-54 535	0000	86031153E-01
AGEX3	- 1280861918	80946420E-02	-15 824	0000	.13629884

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X|
	Index function for probability				
AGEX5	-.8016641487E-01	70761606E-02	-11 329	0000	15424253
MIG1	3801533361	70867896E-02	53.643	.0000	.14738419
REG1	- 3325390889	.74733426E-02	-44 497	.0000	.86936560
MRS1	- 6112429347	57072254E-02	-107.100	0000	.65772070
ED2	6749606030E-01	16736477E-01	4 033	0001	29778661E-01
ED3	-.6619637545E-03	10225762E-01	- 065	.9484	47898138
ED4	- 5524304342E-01	11870710E-01	-4 654	0000	21589944
ED5	- 1341368626E-01	13604917E-01	- 986	3242	69921623E-01
ED6	- 1999196398	14159601E-01	-14 119	0000	56808240E-01
ED7	- 8196578164	12943342E-01	-63 327	0000	86884934E-01
YDEV	4 643319041	17329862	26 794	0000	11277317E-01
YDEVA1	1 204830511	37383313	3 223	0013	71612559E-04
YDEVA2	2 012080850	.14403943	13 969	.0000	.13201457E-02
YDEVA3	7881281226	10771398	7 317	0000	18677777E-02
YDEVA5	- 2401109883E-01	93853895E-01	- 256	7981	14647089E-02
YDEVMI1	- 3293426261E-01	.94382064E-01	- 349	7271	17774260E-02
YDEVRE1	-4.926207977	97287639E-01	-50 635	0000	10008409E-01
YDEVMR1	4131513083	.76063650E-01	5 432	0000	73725700E-02
YDEVE2	3718732994E-01	23111453	161	.8722	36885684E-03
YDEVE3	- 2886169250	14029594	-2 057	.0397	58553649E-02
YDEVE4	-.6676134796	.15949508	-4 186	0000	30204251E-02
YDEVE5	-1 484145416	17879906	-8 301	0000	42063483E-03
YDEVE6	-1 260380571	18850138	-6 686	0000	38176024E-03
YDEVE7	-1 633232794	17223586	-9 483	.0000	.51133751E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are WKST3=0

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X|
	Index function for probability				
Constant	.4045348941	51390182E-02	78 718	.0000	
AGEX1	- 3600272890	92621365E-02	-38.871	0000	.95965589E-02
AGEX2	- 2274573178	41706360E-02	-54 538	.0000	.51935627E-01
AGEX3	- 5109785082E-01	32291159E-02	-15 824	.0000	89773064E-01
AGEX5	- 3198105473E-01	.28229590E-02	-11 329	0000	16658262
MIG1	1516558358	28272513E-02	53.641	0000	12629783
REG1	- 1326609256	29817786E-02	-44 491	0000	90929249
MRS1	- 2438451785	22773591E-02	-107 074	0000	73583506
ED2	2692642800E-01	66767415E-02	4 033	0001	22174429E-01
ED3	- 2640794040E-03	40793974E-02	- 065	9484	40246218
ED4	- 2203829119E-01	47356395E-02	-4 654	0000	.14148621
ED5	- 5351166509E-02	54274650E-02	- 986	3242	77039454E-01
ED6	- 7975460737E-01	56489460E-02	-14 118	0000	78493029E-01
ED7	-.3269888210	51656546E-02	-63 301	0000	22747701
YDEV	1 852374721	69138554E-01	26 792	0000	.16335010E-01
YDEVA1	4806470463	14913453	3 223	.0013	.89249481E-04
YDEVA2	8026861109	57462470E-01	13 969	.0000	80285449E-03
YDEVA3	3144105753	42970818E-01	7 317	0000	15711970E-02
YDEVA5	- 9578827579E-02	37441448E-01	- 256	7981	26406704E-02
YDEVMI1	- 1313857501E-01	37652149E-01	- 349	7271	19558187E-02
YDEVRE1	-1 965228546	38820220E-01	-50 624	0000	20675741E-01
YDEVMR1	1648198266	30344330E-01	5 432	0000	12044966E-01
YDEVE2	1483526531E-01	92199287E-01	161	8722	40966627E-03
YDEVE3	- 1151389106	55968725E-01	-2 057	0397	71365203E-02
YDEVE4	2663332676	63627943E-01	-4 186	0000	22758047E-02
YDEVE5	- 5920750707	71329194E-01	-8 301	0000	11523383E-02
YDEVE6	- 5028078163	75199807E-01	-6 686	0000	12399021E-02
YDEVE7	- 6515509947	68711466E-01	-9 482	0000	32352796E-02

| Partial derivatives of E[y] = F[*] with respect to the vector of characteristics |
| They are computed at the means of the Xs |
| Observations used for means are WKST3=1 |

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	3900633238	48933793E-02	79 712	0000	
AGEX1	- 3471479051	.89106117E-02	-38 959	0000	69240585E-02
AGEX2	- 2193204065	39971141E-02	-54 870	0000	68674071E-01
AGEX3	- 4926990927E-01	31099336E-02	-15 843	0000	12451861
AGEX5	- 3083698511E-01	27221839E-02	-11 328	0000	16876391
MIG1	1462305977	27114136E-02	53 931	0000	18684086
REG1	- 1279151992	28758191E-02	-44 480	0000	87902926
MRS1	- 2351220184	21561597E-02	-109 047	0000	57634490
ED2	2596317934E-01	64377020E-02	4 033	0001	32863527E-01
ED3	- 2546323978E-03	39334641E-02	- 065	9484	48077572
ED4	- 2124990758E-01	45662725E-02	-4 654	0000	18708692
ED5	- 5159737331E-02	52335200E-02	- 986	3242	.92690826E-01
ED6	- 7690151751E-01	54486271E-02	-14 114	.0000	73120347E-01
ED7	- 3152913339	49705021E-02	-63 432	.0000	69217696E-01
YDEV	1 786109063	66702002E-01	26 777	0000	17882184E-01
YDEVA1	4634526889	14379954	3 223	0013	14001991E-03
YDEVA2	7739713359	55407249E-01	13 969	0000	17079781E-02
YDEVA3	3031630543	41434925E-01	7.317	0000	24736766E-02
YDEVA5	- 9236160782E-02	36102008E-01	- 256	7981	28073464E-02
YDEVMI1	- 1266856410E-01	36305300E-01	- 349	7271	31614948E-02
YDEVRE1	-1 894925728	37598315E-01	-50 399	0000	19817016E-01
YDEVMR1	1589236685	29262637E-01	5 431	0000	10038297E-01
YDEVE2	1430455811E-01	88900988E-01	161	8722	.70867453E-03
YDEVE3	- 1110200055	53965932E-01	-2 057	0397	91507362E-02
YDEVE4	- 2568056331	61349778E-01	-4 186	.0000	36971737E-02
YDEVE5	- 5708945592	68776160E-01	-8 301	.0000	12280642E-02
YDEVE6	- 4848206939	72509466E-01	-6 686	0000	99976596E-03
YDEVE7	- 6282428298	66250810E-01	-9 483	0000	81243012E-03

| Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. |
| They are computed at the means of the Xs |
| Observations used for means are All Obs |

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	3964687588	49981822E-02	79 323	0000	
AGEX1	- 3528486034	90764959E-02	-38.875	0000	11196792E-01
AGEX2	- 2229219822	40860688E-02	-54.557	0000	86031153E-01
AGEX3	- 5007899637E-01	31646495E-02	-15.825	0000	.13629884
AGEX5	-.31343375 46E-01	27667069E-02	-11.329	0000	15424253
MIG1	.1486319273	.27691078E-02	53.675	.0000	.14738419
REG1	- 1300157620	29200059E-02	-44.526	0000	.86936560
MRS1	- 2389830808	22271169E-02	-107 306	.0000	.65772070
ED2	2638953436E-01	65435981E-02	4 033	.0001	29778661E-01
ED3	- 2588138503E-03	39980570E-02	- 065	.9484	47898138
ED4	- 2159886349E-01	.46411873E-02	-4 654	.0000	21589944
ED5	- 5244468091E-02	53192313E-02	- 986	3242	.69921623E-01
ED6	- 7816435777E-01	55358771E-02	-14.120	0000	56808240E-01
ED7	- 3204688987	50607691E-02	-63 324	0000	86884934E-01
YDEV	1 815439699	67741770E-01	26.799	0000	11277317E-01
YDEVA1	4710632893	14616104	3 223	0013	71612559E-04
YDEVA2	7866811262	56315867E-01	13 969	0000	13201457E-02
YDEVA3	3081414542	42113560E-01	7 317	0000	18677777E-02
YDEVA5	- 9387832635E-02	36694883E-01	- 256	.7981	.14647089E-02
YDEVMI1	- 1287660126E-01	.36901442E-01	- 349	7271	17774260E-02
YDEVRE1	-1.926043299	38011770E-01	-50 670	0000	.10008409E-01
YDEVMR1	1615334376	29739546E-01	5 432	0000	.73725700E-02
YDEVE2	1453946078E-01	90360897E-01	161	8722	36885684E-03

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE3	- 1128431234	54852750E-01	-2 057	0397	58553649E-02
YDEVE4	- 2610227735	62359084E-01	-4 186	0000	.30204251E-02
YDEVE5	- 5802695189	69905829E-01	-8 301	0000	4206483E-03
YDEVE6	- 4927821895	73699564E-01	-6 686	0000	.38176024E-03
YDEVE7	- 6385595357	67339953E-01	-9 483	0000	.51133751E-03

Marginal Effects for Probit			
Variable	WKST3=0	WKST3=1	All Obs
ONE	4045	3901	3965
AGEX1	- 3600	- 3471	- 3528
AGEX2	- 2275	- 2193	- 2229
AGEX3	- 0511	-.0493	- 0501
AGEX5	-.0320	- 0308	- 0313
MIG1	.1517	1462	1486
REG1	- 1327	-.1279	- 1300
MRS1	- 2438	-.2351	- 2390
ED2	.0269	.0260	.0264
ED3	-.0003	-.0003	-.0003
ED4	-.0220	- 0212	-.0216
ED5	-.0054	- 0052	- 0052
ED6	- 0798	- 0769	- 0782
ED7	- 3270	- 3153	- 3205
YDEV	1 8524	1 7861	1 8154
YDEVA1	4806	4635	4711
YDEVA2	8027	7740	7867
YDEVA3	.3144	3032	3081
YDEVA5	-.0096	- 0092	- 0094

Marginal Effects for Probit			
Variable	WKST3=0	WKST3=1	All Obs.
YDEVMI1	- 0131	- 0127	- 0129
YDEVRE1	-1 9652	-1.8949	-1 9260
YDEVMR1	1648	1589	1615
YDEVE2	0148	0143	0145
YDEVE3	- 1151	- 1110	- 1128
YDEVE4	- 2663	- 2568	- 2610
YDEVE5	- 5921	- 5709	- 5803
YDEVE6	- 5028	- 4848	- 4928
YDEVE7	- 6516	- 6282	- 6386

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability.

	Predicted		
Actual	0	1	Total
0	5582179019		*****
1	36575*****		*****
Total	92396*****		*****

Table C.22 : Estimate of Work status (Round I, male)

```
PROBIT,Lhs=WKST3,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP;Hold(IMR=mills),Prob=prob,Margin= .
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep var  = WKST3    Mean=   .7503086690    , S D =    4328349617     |
| Model size  Observations =  350921, Parameters =  28, Deg Fr.= 350893 |
| Residuals   Sum of squares= 57433.48660    , Std Dev.=          40457 |
| Fit         R-squared=   126400, Adjusted R-squared =          12633 |
| Model test  F[ 27, 350893] = 1880 39,    Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -204074 0196 |
|             LogAmemiyaPrCrt =   -1 810, Akaike Info  Crt.=      1.028 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	9070105755	46375617E-02	195 579	0000	
AGEX1	- 3364390574	78294964E-02	-42 971	0000	.84325794E-02
AGEX2	- 1670696042	33252626E-02	-50 243	0000	73967077E-01
AGEX3	- 4906890436E-01	25051328E-02	-19 587	0000	12934079
AGEX5	- 3663895317E-02	19258066E-02	-1 903	0571	18470531
MIG1	5950232775E-01	18372733E-02	32 386	0000	18230342
REG1	- 6740102846E-01	21629652E-02	-31 161	0000	87996052
MRS1	4434933312E-01	19544764E-02	22 691	0000	72384780
ED2	- 3853995132E-02	56879479E-02	- 678	4980	26931050E-01
ED3	- 2397948712E-01	39518315E-02	-6 068	0000	47811640
ED4	- 1419888950	42940041E-02	-33 067	0000	21650860
ED5	- 2229673763	44516456E-02	-50 087	0000	10430834
ED6	- 2816341658	47174591E-02	-59 700	0000	68883197E-01
ED7	- 4785088648	46655535E-02	-102.562	0000	71944538E-01
YDEV	8113942522	62211004E-01	13.043	.0000	11687731E-01
YDEVA1	2185260034	12267500	1 781	0749	44596810E-04
YDEVA2	4107737597	45384231E-01	9 051	0000	10103357E-02
YDEVA3	2234405022	33213520E-01	6 727	.0000	18058343E-02
YDEVA5	1782967773E-01	25454637E-01	700	.4836	.19567854E-02
YDEVMI1	- 1278635030E-01	24353587E-01	- 525	5996	.20690986E-02
YDEVRE1	- 7425321302	28052678E-01	-26 469	0000	.10553774E-01
YDEVMR1	- 3503102759E-01	25718011E-01	-1 362	1732	.82572463E-02
YDEVE2	- 6904899872E-01	77907650E-01	- 886	3755	.36449213E-03
YDEVE3	-.3572446530E-01	53796970E-01	- 664	5067	62548531E-02
YDEVE4	- 6087865487E-01	57806018E-01	-1 053	2923	28713114E-02
YDEVE5	- 2977662629	59605051E-01	-4 996	0000	76786108E-03
YDEVE6	- 2466605972	63147002E-01	-3.906	0001	53163769E-03
YDEVE7	- 2825501901	62346712E-01	-4 532	0000	49697692E-03

```
Normal exit from iterations  Exit status=0
```

```
+---------------------------------------------+
| Binomial Probit Model                       |
| Maximum Likelihood Estimates                |
| Dependent variable                  WKST3   |
| Weighting variable                  WTPOP   |
| Number of observations             350921   |
| Iterations completed                    5   |
| Log likelihood function          -175896.5  |
| Restricted log likelihood        -210937 5  |
| Chi-squared                       70081 98  |
| Degrees of freedom                    27    |
| Significance level                0000000   |
| Results retained for SELECTION model        |
+---------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	1 261588345	17798088E-01	70 883	0000	
AGEX1	- 8916745823	24930034E-01	-35 767	0000	84325794E-02
AGEX2	- 4534241033	10731150E-01	-42 253	0000	73967077E-01
AGEX3	- 1499547835	82729824E-02	-18 126	0000	12934079

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX5	- 1160908726E-01	72360232E-02	-1 604	1086	18470531
MIG1	1996569898	64976113E-02	30 728	0000	18230342
REG1	- 2149637588	76421657E-02	-28 129	0000	87996052
MRS1	1477357963	.66151032E-02	22 333	.0000	.72384780
ED2	- 2136903790E-01	.22651863E-01	-.943	.3455	.26931050E-01
ED3	- 1031573804	15795425E-01	-6.531	.0000	47811640
ED4	-.5312411831	16623664E-01	-31 957	0000	21650860
ED5	- 7717419638	16976255E-01	-45.460	0000	.10430834
ED6	- 9341978259	.17651559E-01	-52.924	.0000	.68883197E-01
ED7	-1.446877515	17512322E-01	-82.621	0000	71944538E-01
YDEV	2 861153272	24059761	11 892	0000	11687731E-01
YDEVA1	.5135996193	38867434	1 321	1864	44596810E-04
YDEVA2	1 020495368	14637033	6 972	0000	10103357E-02
YDEVA3	6301706576	10975894	5 741	.0000	.18058343E-02
YDEVA5	1507240904E-01	.95364968E-01	.158	8744	19567854E-02
YDEVMI1	.1073187456	86378013E-01	1 242	.2141	20690986E-02
YDEVRE1	-2 485601180	10007205	-24 838	0000	10553774E-01
YDEVMR1	- 8516653424E-01	.87067378E-01	- 978	3280	82572463E-02
YDEVE2	- 3092625493	.31150042	-.993	.3208	.36449213E-03
YDEVE3	- 1951491319	21622499	-.903	3668	62548531E-02
YDEVE4	- 3717701039	22604778	-1 645	.1000	28713114E-02
YDEVE5	-1 090517030	22973475	-4 747	0000	76786108E-03
YDEVE6	- 9882613529	23861578	-4 142	0000	53163769E-03
YDEVE7	-1 146449266	.23626299	-4 852	.0000	.49697692E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs Observations used for means are WKST3=0

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	4693030971	66533645E-02	70 536	0000	
AGEX1	- 3316974549	92935739E-02	-35 691	0000	13309654E-01
AGEX2	- 1686709748	39899045E-02	-42 274	0000	74026935E-01
AGEX3	- 5578225622E-01	30710746E-02	-18 164	0000	10188940
AGEX5	- 4318508988E-02	.26920908E-02	-1 604	1087	16014997
MIG1	7427117098E-01	24211377E-02	30 676	0000	18328647
REG1	- 7996519482E-01	28589223E-02	-27.970	0000	89791328
MRS1	5495680668E-01	24610629E-02	22 331	0000	68998076
ED2	- 7949150535E-02	84263366E-02	- 943	3455	10359627E-01
ED3	- 3837391040E-01	58763587E-02	-6 530	0000	22836565
ED4	- 1976184494	61993826E-02	-31 877	0000	16380050
ED5	- 2870832592	63665321E-02	-45 093	0000	18238863
ED6	- 3475158397	66417912E-02	-52 323	0000	14554783
ED7	- 5382295277	67128424E-02	-80 179	0000	25531054
YDEV	1 064331402	89610003E-01	11 877	0000	.16157255E-01
YDEVA1	1910558963	14458450	1 321	1864	.16103991E-03
YDEVA2	3796179941	.54458622E-01	6 971	.0000	.10413764E-02
YDEVA3	2344196049	40837239E-01	5.740	0000	16081062E-02
YDEVA5	5606843368E-02	35475126E-01	158	8744	25160278E-02
YDEVMI1	3992191265E-01	32132242E-01	1 242	2141	30302886E-02
YDEVRE1	- 9246283360	37488760E-01	-24 664	0000	19974466E-01
YDEVMR1	- 3168142640E-01	32388275E-01	- 978	3280	11472444E-01
YDEVE2	- 1150437643	.11587618	- 993	3208	16930393E-03
YDEVE3	- 72594275 61E-01	80434345E-01	- 903	3668	40730699E-02
YDEVE4	1382961898	84089619E-01	-1 645	1000	26067071E-02
YDEVE5	- 4056656213	85471606E-01	-4 746	0000	29614859E-02
YDEVE6	- 3676271389	88776288E-01	-4 141	0000	.21664457E-02
YDEVE7	- 4264720686	87913895E-01	-4 851	0000	39550382E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are WKST3=1

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	3635624104	.50481009E-02	72 020	0000	
AGEX1	- 2569612835	71774649E-02	-35.801	0000	38867474E-02
AGEX2	- 1306669965	30792205E-02	-42 435	0000	46552816E-01
AGEX3	- 4321371764E-01	23769807E-02	-18 180	0000	92184031E-01
AGEX5	- 3345487270E-02	20856958E-02	-1 604	1087	22864893
MIG1	5753681599E-01	18705216E-02	30 760	.0000	17617784
REG1	- 6194789498E-01	22063193E-02	-28 077	0000	89346305
MRS1	4257425366E-01	19065657E-02	22 330	0000	77334252
ED2	- 6158093451E-02	65276383E-02	- 943	3455	30933701E-01
ED3	- 2972772062E-01	45503218E-02	-6 533	0000	53147063
ED4	- 1530921919	47759608E-02	-32 055	.0000	16938205
ED5	- 2223993030	48803075E-02	-45 571	0000	10674531
ED6	- 2692155605	50743883E-02	-53 054	0000	69232187E-01
ED7	- 4169587323	50215519E-02	-83 034	0000	.50952453E-01
YDEV	8245223446	69398208E-01	11 881	0000	18038213E-01
YDEVA1	1480082757	11200818	1 321	1864	77971358E-04
YDEVA2	2940846412	42186632E-01	6 971	0000	.10834821E-02
YDEVA3	1816015217	31635649E-01	5 740	0000	18294227E-02
YDEVA5	4343541524E-02	27482025E-01	158	8744	40793393E-02
YDEVMI1	3092693587E-01	24892483E-01	1.242	2141	28822732E-02
YDEVRE1	- 7162963735	29091989E-01	-24.622	0000	20682688E-01
YDEVMR1	- 2454314880E-01	25090834E-01	- 978	3280	13645559E-01
YDEVE2	- 8912276203E-01	89767012E-01	- 993	3208	.65541740E-03
YDEVE3	- 5623774908E-01	62309779E-01	- 903	.3668	.10142995E-01
YDEVE4	-.1071360841	65138096E-01	-1 645	1000	.31730833E-02
YDEVE5	-.3142633662	66196268E-01	-4 747	.0000	.15193203E-02
YDEVE6	-.2847954969	68758554E-01	-4 142	0000	.10204391E-02
YDEVE7	- 3303818240	.68079062E-01	-4 853	0000	.71007990E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	3816398601	.53084061E-02	71.893	.0000	
AGEX1	- 2697381949	.75535823E-02	-35.710	0000	.84325794E-02
AGEX2	- 1371641646	32508569E-02	-42 193	.0000	.73967077E-01
AGEX3	-.4536243761E-01	25024934E-02	-18 127	.0000	.12934079
AGEX5	-.3511835265E-02	21889634E-02	-1 604	1086	.18470531
MIG1	6039772479E-01	19648624E-02	30 739	0000	.18230342
REG1	- 6502813630E-01	.23121587E-02	-28 124	0000	.87996052
MRS1	4469117750E-01	20003836E-02	22 341	0000	72384780
ED2	- 6464292942E-02	68523322E-02	- 943	3455	26931050E-01
ED3	- 3120587502E-01	47777555E-02	-6 531	.0000	47811640
ED4	- 1607044101	50216760E-02	-32 002	0000	21650860
ED5	- 2334576855	51257109E-02	-45 546	0000	10430834
ED6	- 2826017924	53300731E-02	-53 020	.0000	68883197E-01
ED7	- 4376912126	53001941E-02	-82.580	.0000	71944538E-01
YDEV	8655201509	.72775739E-01	11.893	0000	11687731E-01
YDEVA1	.1553677059	.11757761	1.321	1864	.44596810E-04
YDEVA2	3087074410	44281633E-01	6.971	.0000	.10103357E-02
YDEVA3	.1906313122	33203648E-01	5 741	.0000	.18058343E-02
YDEVA5	4559515869E-02	28848627E-01	158	.8744	.19567854E-02
YDEVMI1	3246471897E-01	26129594E-01	1 242	2141	.20690986E-02
YDEVRE1	- 7519128491	30269674E-01	-24 840	0000	.10553774E-01
YDEVMR1	- 2576351022E-01	26338593E-01	- 978	3280	.82572463E-02
YDEVE2	- 9355422196E-01	.94230950E-01	- 993	3208	36449213E-03
YDEVE3	- 5903406425E-01	65409438E-01	- 903	3668	62548531E-02
YDEVE4	- 1124632223	68380388E-01	-1 645	1000	28713114E-02

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE5	-.3298895147	69494291E-01	-4 747	.0000	.76786108E-03
YDEVE6	- 2989564116	72180881E-01	-4 142	0000	53163769E-03
YDEVE7	- 3468094321	71469089E-01	-4 853	0000	49697692E-03

Marginal Effects for Probit			
Variable	WKST3=0	WKST3=1	All Obs
ONE	4693	3636	3816
AGEX1	- 3317	- 2570	- 2697
AGEX2	-.1687	- 1307	- 1372
AGEX3	-.0558	- 0432	- 0454
AGEX5	- 0043	-.0033	- 0035
MIG1	.0743	0575	0604
REG1	-.0800	- 0619	-.0650
MRS1	0550	0426	0447
ED2	- 0079	- 0062	- 0065
ED3	-.0384	- 0297	- 0312
ED4	-.1976	- 1531	- 1607
ED5	-.2871	-.2224	-.2335
ED6	- 3475	-.2692	- 2826
ED7	- 5382	- 4170	- 4377
YDEV	1 0643	8245	8655
YDEVA1	1911	1480	1554
YDEVA2	3796	2941	3087
YDEVA3	.2344	1816	1906
YDEVA5	0056	0043	0046

Marginal Effects for Probit			
Variable	WKST3=0	WKST3=1	All Obs.
YDEVMI1	.0399	.0309	0325
YDEVRE1	-.9246	- 7163	- 7519
YDEVMR1	-.0317	-.0245	- 0258
YDEVE2	- 1150	- 0891	- 0936
YDEVE3	- 0726	- 0562	-.0590
YDEVE4	- 1383	- 1071	-.1125
YDEVE5	- 4057	- 3143	- 3299
YDEVE6	- 3676	- 2848	- 2990
YDEVE7	- 4265	- 3304	- 3468

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	2951871837		*****
1	16549*****		*****
Total	46067*****		*****

Table C.23 : Estimate of Work status (Round III, Female)

```
PROBIT,Lhs=WKST3,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills), Prob= prob, Margin=
```

```
+---------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                  |
| Ordinary    least squares regression    Weighting variable = WTPOP  |
| Dep  var  = WKST3     Mean=     4453025769     , S D.=     4969999646 |
| Model size  Observations =  319566, Parameters =  28, Deg Fr = 319538 |
| Residuals   Sum of squares= 70564 65076     , Std Dev =          46993 |
| Fit         R-squared=    106046, Adjusted R-squared =          10597 |
| Model test  F[ 27, 319538] = 1403 90,     Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -230014 5507 |
|             LogAmemiyaPrCrt =   -1 510, Akaike Info  Crt =      1 328 |
+---------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	9221575860	46253121E-02	199.372	0000	
AGEX1	-.3975257203	.75318405E-02	-52.779	0000	.14483721E-01
AGEX2	- 2647352100	.36943355E-02	-71.660	0000	96436367E-01
AGEX3	- 8691409192E-01	.29485481E-02	-29.477	0000	13918868
AGEX5	- 4756498698E-02	.25372952E-02	-1 875	0608	15719146
MIG1	1260432955	.25573078E-02	49 287	0000	13868948
REG1	- 2424812202	.28134825E-02	-86 185	0000	89053323
MRS1	2692076313	20432221E-02	-131 756	0000	67115909
ED2	1357947707E-01	59952207E-02	2 265	0235	28854603E-01
ED3	- 4661713264E-01	36318230E-02	-12 836	0000	49893756
ED4	- 7752396847E-01	42937348E-02	-18 055	0000	22644694
ED5	2857826478E-01	50511205E-02	5 658	0000	62899782E-01
ED6	- 2604230401E-01	53470479E-02	-4 870	0000	47910390E-01
ED7	- 2354081229	47972690E-02	-49 071	0000	72403065E-01
YDEV	9163049407	65094450E-01	14 077	.0000	14617554E-01
YDEVA1	3443839851	11997504	2 870	0041	- 85883062E-04
YDEVA2	5493465222	52261520E-01	10 511	0000	85743042E-03
YDEVA3	4109940639	.40997886E-01	10 025	0000	21142714E-02
YDEVA5	- 1136319310	35412781E-01	-3.209	0013	22923957E-02
YDEVMI1	- 2328473205	35878196E-01	-6 490	0000	22298296E-02
YDEVRE1	- 7802309041	38757944E-01	-20 131	0000	12935642E-01
YDEVMR1	1098702130	28610700E-01	3.840	0001	10776983E-01
YDEVE2	6926331389E-01	86773800E-01	798	4248	.32321915E-03
YDEVE3	- 1783978678E-01	51790349E-01	- 344	7305	70183601E-02
YDEVE4	- 1692950353	60036754E-01	-2 820	0048	33827666E-02
YDEVE5	- 3490046505	69210746E-01	-5 043	0000	12587667E-02
YDEVE6	- 2459361742	74312002E-01	-3 310	.0009	77356717E-03
YDEVE7	-.3239952487	66918085E-01	-4 842	0000	11686662E-02

```
Normal exit from iterations. Exit status=0.
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable              WKST3     |
| Weighting variable              WTPOP     |
| Number of observations          319566    |
| Iterations completed                5     |
| Log likelihood function       -201850 3   |
| Restricted log likelihood     -221452.1   |
| Chi-squared                    39203 49   |
| Degrees of freedom                27      |
| Significance level             .0000000   |
| Results retained for SELECTION model      |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	1 176561812	13107500E-01	89 762	0000	
AGEX1	-1.108349160	22316165E-01	-49 666	0000	.14483721E-01
AGEX2	- 7222275836	10362431E-01	-69 697	0000	96436367E-01
AGEX3	- 2344749902	81703341E-02	-28 698	0000	13918868

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX5	- 1664612417E-01	.70271776E-02	-2 369	.0178	15719146
MIG1	3482048258	.70855011E-02	49.143	.0000	.13868948
REG1	- 6800512012	80291409E-02	-84 698	0000	89053323
MRS1	-.7268044426	.57521975E-02	-126 352	.0000	67115909
ED2	3759664798E-01	16521006E-01	2 276	.0229	28854603E-01
ED3	-.1256724818	.10001808E-01	-12.565	.0000	49893756
ED4	- 2167689476	.11828048E-01	-18.327	.0000	.22644694
ED5	7365103187E-01	13916516E-01	5.292	0000	.62899782E-01
ED6	- 8041715697E-01	14705108E-01	-5 469	0000	47910390E-01
ED7	-.6627152592	13408404E-01	-49 425	0000	.72403065E-01
YDEV	2 881893379	.18511576	15 568	0000	14617554E-01
YDEVA1	1 069310128	.35510618	3.011	.0026	- 85883062E-04
YDEVA2	1.504864893	14626444	10.289	0000	.85743042E-03
YDEVA3	1 166245422	11352110	10 273	0000	21142714E-02
YDEVA5	- 3106927766	.98055220E-01	-3.169	.0015	22923957E-02
YDEVMI1	-.5652198130	99556583E-01	-5 677	0000	22298296E-02
YDEVRE1	-2 447723500	.11143209	-21.966	.0000	.12935642E-01
YDEVMR1	2212762638	.80589102E-01	2.746	.0060	.10776983E-01
YDEVE2	1711995695	.23950435	715	4747	32321915E-03
YDEVE3	-.5723366136E-01	14276412	- 401	6885	70183601E-02
YDEVE4	-.4734185199	16543918	-2 862	.0042	33827666E-02
YDEVE5	- 9770140274	19093927	-5 117	.0000	.12587667E-02
YDEVE6	- 7400929645	.20454278	-3.618	0003	.77356717E-03
YDEVE7	-1.051823179	18707474	-5 622	.0000	11686662E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs Observations used for means are WKST3=0

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	4537463416	50520609E-02	89 814	0000	
AGEX1	- 4274398264	85973189E-02	-49 718	0000	14822462E-01
AGEX2	- 2785303080	40056038E-02	-69 535	0000	63081499E-01
AGEX3	-.9042633198E-01	31571661E-02	-28 642	0000	95731475E-01
AGEX5	- 6419652474E-02	27097942E-02	-2.369	0178	17069184
MIG1	1342867534	27294717E-02	49.199	0000	11647186
REG1	- 2622647969	30689331E-02	-85 458	0000	94000344
MRS1	- 2802953942	21984372E-02	-127 498	0000	75096788
ED2	1449931598E-01	63713703E-02	2.276	0229	22774480E-01
ED3	- 4846615647E-01	38567110E-02	-12.567	0000	45891867
ED4	- 8359791720E-01	.45589838E-02	-18 337	.0000	.16669739
ED5	2840385089E-01	53686627E-02	5.291	0000	65576491E-01
ED6	- 3101323739E-01	.56685032E-02	-5 471	.0000	62854123E-01
ED7	- 2555791131	51215299E-02	-49 903	0000	17070413
YDEV	1.111415112	71330917E-01	15 581	0000	25217431E-01
YDEVA1	4123842485	13695099	3.011	0026	10327053E-03
YDEVA2	5803578980	56400293E-01	10 290	.0000	.10121234E-02
YDEVA3	.4497677795	43769810E-01	10 276	.0000	21017188E-02
YDEVA5	- 1198200633	37814776E-01	-3 169	0015	44103462E-02
YDEVMI1	- 2179795569	38395492E-01	-5 677	0000	30495729E-02
YDEVRE1	- 9439755498	42862340E-01	-22 023	0000	27015425E-01
YDEVMR1	8533618394E-01	31080322E-01	2.746	0060	19747501E-01
YDEVE2	6602388208E-01	92365780E-01	715	4747	49312095E-03
YDEVE3	- 2207241829E-01	55057684E-01	- 401	6885	11191991E-01
YDEVE4	- 1825759763	63802241E-01	-2 862	.0042	37008118E-02
YDEVE5	- 3767898432	73632242E-01	-5 117	0000	19144912E-02
YDEVE6	- 2854201723	78876928E-01	-3 619	0003	16418845E-02
YDEVE7	- 4056403280	72123884E-01	-5 624	0000	50217796E-02

| Partial derivatives of E[y] = F[*] with

| respect to the vector of characteristics. |
| They are computed at the means of the Xs. |
| Observations used for means are WKST3=1 |

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	4693568005	52253747E-02	89 823	.0000	
AGEX1	- 4421452492	.89013559E-02	-49 672	.0000	73833206E-02
AGEX2	- 2881127234	41324179E-02	-69 720	0000	68930120E-01
AGEX3	- 9353731361E-01	32590321E-02	-28 701	0000	12328488
AGEX5	- 6640510939E-02	28033018E-02	-2 369	0178	17737184
MIG1	1389066867	28260668E-02	49 152	0000	18217929
REG1	- 2712876219	32024970E-02	-84 711	0000	87227748
MRS1	- 2899385347	.22925608E-02	-126.469	.0000	55935986
ED2	1499814308E-01	65905949E-02	2 276	.0229	32785004E-01
ED3	- 5013356152E-01	39899321E-02	-12 565	0000	48274675
ED4	- 8647397752E-01	47184598E-02	-18 327	0000	17867253
ED5	.2938104256E-01	.55515549E-02	5 292	0000	92246876E-01
ED6	- 3208020107E-01	58662388E-02	-5.469	0000	72832186E-01
ED7	- 2643719272	53486630E-02	-49.428	0000	73374139E-01
YDEV	1 149651673	73847914E-01	15 568	0000	26719064E-01
YDEVA1	4265717069	14165994	3 011	0026	80544504E-04
YDEVA2	6003242365	58348632E-01	10 289	0000	15742298E-02
YDEVA3	4652413619	45286354E-01	10 273	0000	31792457E-02
YDEVA5	- 1239422919	39116405E-01	-3 169	0015	47426358E-02
YDEVMI1	- 2254788149	39715400E-01	-5 677	0000	45305164E-02
YDEVRE1	- 9764516055	44457051E-01	-21 964	0000	.27989923E-01
YDEVMR1	8827204670E-01	32148938E-01	2 746	0060	.15774590E-01
YDEVE2	6829533421E-01	95543630E-01	715	4747	.84766322E-03
YDEVE3	- 2283178657E-01	56951793E-01	- 401	6885	.13137750E-01
YDEVE4	- 1888572275	65997331E-01	-2 862	0042	.48648279E-02
YDEVE5	- 3897527297	76169960E-01	-5.117	0000	26272526E-02
YDEVE6	- 2952396231	81596754E-01	-3 618	0003	18254221E-02
YDEVE7	- 4195957720	.74628271E-01	-5 622	0000	17708059E-02

| Partial derivatives of E[y] = F[*] with |
| respect to the vector of characteristics |
| They are computed at the means of the Xs. |
| Observations used for means are All Obs |

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	4649411700	52098821E-02	89 242	0000	
AGEX1	- 4379856205	88173771E-02	-49 673	0000	.14483721E-01
AGEX2	- 2854022069	.40954023E-02	-69.688	0000	96436367E-01
AGEX3	- 9265733016E-01	.32287092E-02	-28.698	.0000	13918868
AGEX5	- 6578038119E-02	.27769100E-02	-2.369	0178	.15719146
MIG1	.1375998757	28002540E-02	49.138	0000	13868948
REG1	-.2687353932	31763748E-02	-84.604	0000	.89053323
MRS1	- 2872108413	22757335E-02	-126 206	.0000	67115909
ED2	1485704306E-01	65285965E-02	2 276	0229	28854603E-01
ED3	- 4966191333E-01	39524194E-02	-12 565	0000	49893756
ED4	- 8566044476E-01	46740735E-02	-18 327	0000	22644694
ED5	2910463061E-01	54993738E-02	5 292	0000	.62899782E-01
ED6	- 3177839589E-01	58110492E-02	-5 469	0000	.47910390E-01
ED7	- 2618847602	.52990477E-02	-49 421	0000	.72403065E-01
YDEV	1 138835942	.73159635E-01	15 566	0000	14617554E-01
YDEVA1	4225585914	14032644	3 011	0026	- 85883062E-04
YDEVA2	5946764862	.57798136E-01	10 289	0000	.85743042E-03
YDEVA3	4608644488	.44860126E-01	10 273	0000	21142714E-02
YDEVA5	-.1227762635	38748437E-01	-3 169	0015	22923957E-02
YDEVMI1	- 2233575478	.39341305E-01	-5.677	0000	.22298296E-02
YDEVRE1	- 9672653116	44043348E-01	-21.962	0000	.12935642E-01
YDEVMR1	8744159801E-01	31846072E-01	2.746	0060	.10776983E-01
YDEVE2	6765282309E-01	94644785E-01	715	4747	32321915E-03
YDEVE3	- 2261698893E-01	56416013E-01	- 401	6885	70183601E-02

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE4	- 1870804902	65376671E-01	-2 862	.0042	33827666E-02
YDEVE5	- 3860860011	75453510E-01	-5 117	0000	12587667E-02
YDEVE6	- 2924620579	80829230E-01	-3 618	0003	77356717E-03
YDEVE7	-.4156482849	73926683E-01	-5 622	0000	11686662E-02

Marginal Effects for Probit			
Variable	WKST3=0	WKST3=1	All Obs
ONE	.4537	4694	4649
AGEX1	- 4274	- 4421	- 4380
AGEX2	- 2785	- 2881	- 2854
AGEX3	-.0904	- 0935	- 0927
AGEX5	-.0064	-.0066	-.0066
MIG1	1343	.1389	.1376
REG1	- 2623	- 2713	-.2687
MRS1	- 2803	- 2899	-.2872
ED2	0145	0150	0149
ED3	- 0485	-.0501	- 0497
ED4	- 0836	- 0865	- 0857
ED5	.0284	0294	0291
ED6	-.0310	-.0321	- 0318
ED7	-.2556	- 2644	- 2619
YDEV	1 1114	1 1497	1 1388
YDEVA1	4124	4266	4226
YDEVA2	5804	6003	5947
YDEVA3	4498	4652	4609
YDEVA5	-.1198	- 1239	- 1228

Marginal Effects for Probit			
Variable	WKST3=0	WKST3=1	All Obs
YDEVMI1	-.2180	- 2255	- 2234
YDEVRE1	- 9440	- 9765	-.9673
YDEVMR1	0853	0883	0874
YDEVE2	0660	0683	0677
YDEVE3	- 0221	- 0228	- 0226
YDEVE4	- 1826	- 1889	- 1871
YDEVE5	- 3768	- 3898	- 3861
YDEVE6	- 2854	- 2952	- 2925
YDEVE7	- 4056	- 4196	- 4156

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****28277		*****
1	8981567025		*****
Total	*****95302		*****

Table C.24 Estimate of Work status (Round III, male)

```
PROBIT,Lhs=WKST3,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep var  = WKST3    Mean=    6811176037    , S.D.=    4660440551     |
| Model size  Observations =  335354, Parameters =  28, Deg Fr.= 335326 |
| Residuals   Sum of squares= 60793 12774    , Std Dev =          42579 |
| Fit         R-squared=   165362, Adjusted R-squared =          16529 |
| Model test  F[ 27, 335326] = 2460 59,    Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -219811 7863 |
|             LogAmemiyaPrCrt =   -1 708, Akaike Info Crt =      1 130 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Constant	8951285907	50412912E-02	177 559	0000	
AGEX1	- 3849259647	71147257E-02	-54 103	0000	.12448330E-01
AGEX2	- 2314877696	.34558315E-02	-66 985	0000	.87899610E-01
AGEX3	- 1144727941	26973890E-02	-42 438	.0000	13882535
AGEX5	2672249931E-01	21355421E-02	12 513	0000	17727253
MIG1	9378616682E-02	20014025E-02	4 686	0000	18542572
REG1	- 1248761017	24556250E-02	-50 853	0000	88808361
MRS1	8112818290E-01	21320518E-02	38 052	0000	70318796
ED2	1112843260E-01	61659167E-02	1 805	0711	25701898E-01
ED3	- 3022801657E-01	42328068E-02	-7 141	0000	47711527
ED4	- 2035058853	46219025E-02	-44 031	0000	23179620
ED5	- 2188436227	48297495E-02	-45 312	0000	10004324
ED6	- 2468463348	51444641E-02	-47 983	0000	65154944E-01
ED7	- 4313144571	51107404E-02	-84 394	0000	66165714E-01
YDEV	8888658288	70994945E-01	12 520	0000	15258715E-01
YDEVA1	2582090266	11060004	2 335	0196	- 35397354E-04
YDEVA2	5686408170	48639351E-01	11 691	0000	80249769E-03
YDEVA3	3790406095	37428151E-01	10 127	0000	21438333E-02
YDEVA5	- 9081416366E-01	29737396E-01	-3 054	.0023	27313186E-02
YDEVMI1	1157368983	27999896E-01	4.133	0000	32463278E-02
YDEVRE1	- 4873894486	33667333E-01	-14.477	0000	13538450E-01
YDEVMR1	- 1523170216	.29584512E-01	-5.149	0000	11444097E-01
YDEVE2	- 4012647054	88182207E-01	-4 550	0000	27956217E-03
YDEVE3	- 2071432854	60338024E-01	-3 433	0006	68144708E-02
YDEVE4	-.3308704078	65071107E-01	-5 085	0000	37865028E-02
YDEVE5	- 3873172420	67785250E-01	-5 714	0000	18128401E-02
YDEVE6	- 3559645180	72351716E-01	-4 920	0000	.10601550E-02
YDEVE7	- 4990565811	71762933E-01	-6 954	0000	.10685794E-02

```
Normal exit from iterations  Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable                 WKST3  |
| Weighting variable                 WTPOP  |
| Number of observations            335354  |
| Iterations completed                   5  |
| Log likelihood function       -182089 8   |
| Restricted log likelihood     -210307 3   |
| Chi-squared                    56435 03   |
| Degrees of freedom                    27  |
| Significance level              0000000   |
| Results retained for SELECTION model      |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index functi... for probability				
Constant	1 177698437	.17571083E-01	67.025	0000	
AGEX1	-1 069711283	23772662E-01	-44.998	0000	12448330E-01
AGEX2	- 5941145493	10514340E-01	-56 505	0000	87899610E-01
AGEX3	- 3005967054	81084004E-02	-37 072	0000	13882535
AGEX5	1078659720	74518539E-02	14 475	0000	17727253

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
MIG1	.2444463995E-01	.63232398E-02	3.866	.0001	.18542572
REG1	-.3701775086	.80528694E-02	-45.968	.0000	.88808361
MRS1	.2426573667	.65689502E-02	36.940	.0000	.70318796
ED2	.4277732680E-01	.22599388E-01	1.893	.0584	.25701898E-01
ED3	-.1233733614	.15324712E-01	-8.051	.0000	.47711527
ED4	-.6512154693	.16164959E-01	-40.286	.0000	.23179620
ED5	-.7045289955	.16721811E-01	-42.132	.0000	.10004324
ED6	-.7788442281	.17529663E-01	-44.430	.0000	.65154944E-01
ED7	-1.260652060	.17446995E-01	-72.256	.0000	.66165714E-01
YDEV	3.087741604	.25077436	12.313	.0000	.15258715E-01
YDEVA1	.9453838503	.36857275	2.565	.0103	-.35397354E-04
YDEVA2	1.517362457	.14788158	10.261	.0000	.80249769E-03
YDEVA3	.9880022814	.11258423	8.776	.0000	.21438333E-02
YDEVA5	-.3850471675	.10351823	-3.720	.0002	.27313186E-02
YDEVMI1	.3880973485	.88726400E-01	4.374	.0000	.32463278E-02
YDEVRE1	-1.562392365	.11182155	-13.972	.0000	.13538450E-01
YDEVMR1	-.4313070102	.91284346E-01	-4.725	.0000	.11444097E-01
YDEVE2	-1.727879166	.32448412	-5.325	.0000	.27956217E-03
YDEVE3	-.8754022553	.22099788	-3.961	.0001	.68144708E-02
YDEVE4	-1.361264266	.23099690	-5.893	.0000	.37865028E-02
YDEVE5	-1.498675346	.23802626	-6.296	.0000	.18128401E-02
YDEVE6	-1.447465165	.24971188	-5.797	.0000	.10601550E-02
YDEVE7	-1.877929757	.24807795	-7.570	.0000	.10685794E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs Observations used for means are WKST3=0

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.4577112378	.68415443E-02	66.902	.0000	
AGEX1	-.4157421460	.92687708E-02	-44.854	.0000	.23197580E-01
AGEX2	-.2309019842	.40872126E-02	-56.494	.0000	.10019083
AGEX3	-.1168265881	.31444190E-02	-37.154	.0000	.12154526
AGEX5	.4192199466E-01	.28947034E-02	14.482	.0000	.14498487
MIG1	.9500383172E-02	.24577004E-02	3.866	.0001	.19036537
REG1	-.1438690928	.31480507E-02	-45.701	.0000	.91773796
MRS1	.9430852601E-01	.25546482E-02	36.916	.0000	.64660926
ED2	.1662536231E-01	.87832598E-02	1.893	.0584	.10686525E-01
ED3	-.4794892495E-01	.59562477E-02	-8.050	.0000	.24242029
ED4	-.2530941956	.62941920E-02	-40.211	.0000	.21569467
ED5	-.2738144405	.65247340E-02	-41.966	.0000	.17036072
ED6	-.3026969762	.68469669E-02	-44.209	.0000	.12901094
ED7	-.4899510748	.68756783E-02	-71.259	.0000	.21649523
YDEV	1.200047472	.97523309E-01	12.305	.0000	.25345872E-01
YDEVA1	.3674224223	.14324455	2.565	.0103	.13514080E-03
YDEVA2	.5897212961	.57484740E-01	10.259	.0000	.15631920E-02
YDEVA3	.3839860299	.43766444E-01	8.774	.0000	.25627601E-02
YDEVA5	-.1496481698	.40233902E-01	-3.719	.0002	.41592655E-02
YDEVMI1	.1508336194	.34484889E-01	4.374	.0000	.48209718E-02
YDEVRE1	-.6072221218	.43541644E-01	-13.946	.0000	.27201590E-01
YDEVMR1	-.1676270082	.35477485E-01	-4.725	.0000	.18170455E-01
YDEVE2	-.6715383897	.12611082	-5.325	.0000	.27759088E-03
YDEVE3	-.3402241502	.85890325E-01	-3.961	.0001	.58153177E-02
YDEVE4	-.5290539011	.89779683E-01	-5.893	.0000	.44039758E-02
YDEVE5	-.5824585702	.92518848E-01	-6.296	.0000	.47653637E-02
YDEVE6	-.5625557882	.97064423E-01	-5.796	.0000	.34194992E-02
YDEVE7	-.7298553913	.96450446E-01	-7.567	.0000	.63208685E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are WKST3=1

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.3797823219	.55902676E-02	67.936	.0000	
AGEX1	-.3449587960	.76644768E-02	-45.007	.0000	.39617600E-02
AGEX2	-.1915891165	.33786649E-02	-56.706	.0000	.43684656E-01
AGEX3	-.9693594827E-01	.26029436E-02	-37.241	.0000	.85798648E-01
AGEX5	.3478444739E-01	.23973114E-02	14.510	.0000	.23785477
MIG1	.7882868678E-02	.20391367E-02	3.866	.0001	.16922375
REG1	-.1193742552	.25995505E-02	-45.921	.0000	.89728819
MRS1	.7825176230E-01	.21177281E-02	36.951	.0000	.78084403
ED2	.1379476442E-01	.72878434E-02	1.893	.0584	.31062304E-01
ED3	-.3978524568E-01	.49402961E-02	-8.053	.0000	.54688960
ED4	-.2100029305	.51990854E-02	-40.392	.0000	.15484208
ED5	-.2271953918	.53852357E-02	-42.189	.0000	.10369457
ED6	-.2511604500	.56462517E-02	-44.483	.0000	.68376556E-01
ED7	-.4065330746	.56052891E-02	-72.527	.0000	.52722558E-01
YDEV	.9957300097	.80912672E-01	12.306	.0000	.26736389E-01
YDEVA1	.3048658829	.11886039	2.565	.0103	.76519442E-04
YDEVA2	.4893166359	.47707047E-01	10.257	.0000	.11220345E-02
YDEVA3	.3186094069	.36319257E-01	8.772	.0000	.22466685E-02
YDEVA5	-.1241693992	.33385437E-01	-3.719	.0002	.64018558E-02
YDEVMI1	.1251530167	.28614983E-01	4.374	.0000	.45404262E-02
YDEVRE1	-.5038378092	.36210651E-01	-13.914	.0000	.28222850E-01
YDEVMR1	-.1390871998	.29436766E-01	-4.725	.0000	.20918269E-01
YDEVE2	-.5572037298	.10462838	-5.326	.0000	.75700679E-03
YDEVE3	-.2822983293	.71256907E-01	-3.962	.0001	.14276090E-01
YDEVE4	-.4389783391	.74467070E-01	-5.895	.0000	.45331599E-02
YDEVE5	-.4832904458	.76738935E-01	-6.298	.0000	.29542270E-02
YDEVE6	-.4667762681	.80512062E-01	-5.798	.0000	.17784613E-02
YDEVE7	-.6055918061	.79980249E-01	-7.572	.0000	.13195894E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.4084233402	.60288820E-02	67.744	.0000	
AGEX1	-.3709736225	.82686013E-02	-44.865	.0000	.12448330E-01
AGEX2	-.2060376758	.36572439E-02	-56.337	.0000	.87899610E-01
AGEX3	-.1042463050	.28130270E-02	-37.058	.0000	.13882535
AGEX5	.3740769217E-01	.25832264E-02	14.481	.0000	.17727253
MIG1	.8477349709E-02	.21929714E-02	3.866	.0001	.18542572
REG1	-.1283767812	.27934341E-02	-45.957	.0000	.88808361
MRS1	.8415306425E-01	.22772689E-02	36.954	.0000	.70318796
ED2	.1483508694E-01	.78373876E-02	1.893	.0584	.25701898E-01
ED3	-.4278562218E-01	.53139960E-02	-8.051	.0000	.47711527
ED4	-.2258401547	.56004053E-02	-40.326	.0000	.23179620
ED5	-.2443291734	.57920213E-02	-42.184	.0000	.10004324
ED6	-.2701015398	.60721609E-02	-44.482	.0000	.65154944E-01
ED7	-.4371914823	.60460333E-02	-72.310	.0000	.66165714E-01
YDEV	1.070822292	.86954435E-01	12.315	.0000	.15258715E-01
YDEVA1	.3278571304	.12782335	2.565	.0103	-.35397354E-04
YDEVA2	.5262181079	.51292611E-01	10.259	.0000	.80249769E-03
YDEVA3	.3426371126	.39045323E-01	8.775	.0000	.21438333E-02
YDEVA5	-.1335335476	.35898988E-01	-3.720	.0002	.27313186E-02
YDEVMI1	.1345913440	.30769410E-01	4.374	.0000	.32463278E-02
YDEVRE1	-.5418343854	.38775405E-01	-13.974	.0000	.13538450E-01
YDEVMR1	-.1495763638	.31657400E-01	-4.725	.0000	.11444097E-01
YDEVE2	-.5992248596	.11252368	-5.325	.0000	.27956217E-03
YDEVE3	-.3035876605	.76639020E-01	-3.961	.0001	.68144708E-02

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE4	- 4720835837	80103258E-01	-5.893	0000	.37865028E-02
YDEVE5	- 5197374570	.82541493E-01	-6.297	0000	18128401E-02
YDEVE6	- 5019778741	86594318E-01	-5 797	0000	10601550E-02
YDEVE7	- 6512620888	86026478E-01	-7 570	0000	10685794E-02

Marginal Effects for Probit			
Variable	WKST3=0	WKST3=1	All Obs.
ONE	4577	3798	4084
AGEX1	- 4157	-.3450	- 3710
AGEX2	- 2309	- 1916	- 2060
AGEX3	- 1168	-.0969	- 1042
AGEX5	0419	.0348	.0374
MIG1	0095	.0079	.0085
REG1	-.1439	- 1194	- 1284
MRS1	0943	0783	0842
ED2	0166	.0138	0148
ED3	- 0479	- 0398	- 0428
ED4	- 2531	- 2100	- 2258
ED5	- 2738	- 2272	- 2443
ED6	- 3027	- 2512	- 2701
ED7	- 4900	- 4065	- 4372
YDEV	1 2000	9957	1 0708
YDEVA1	3674	3049	3279
YDEVA2	.5897	4893	5262
YDEVA3	.3840	3186	.3426
YDEVA5	- 1496	- 1242	- 1335

Marginal Effects for Probit			
Variable	WKST3=0	WKST3=1	All Obs
YDEVMI1	1508	1252	1346
YDEVRE1	- 6072	- 5038	- 5418
YDEVMR1	- 1676	- 1391	- 1496
YDEVE2	-.6715	- 5572	- 5992
YDEVE3	- 3402	- 2823	- 3036
YDEVE4	- 5291	- 4390	-.4721
YDEVE5	- 5825	- 4833	- 5197
YDEVE6	- 5626	- 4668	- 5020
YDEVE7	- 7299	- 6056	- 6513

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	4124166184		*****
1	28282*****		*****
Total	69523*****		*****

Table C.25 : Estimate of Industry (Round I, Female)

```
PPROBIT,Lhs=IND1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,ed
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep var   = IND1      Mean=    3778922633     , S D =    4848612791   |
| Model size  Observations =  309593, Parameters =  28, Deg Fr.= 309565 |
| Residuals   Sum of squares= 63543 90025     , Std.Dev =        45307 |
| Fit         R-squared=    126930, Adjusted R-squared =        12685 |
| Model test  F[ 27, 309565] = 1666.87,     Prob value =        00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -215180 9068 |
|             LogAmemiyaPrCrt =   -1 583, Akaike Info  Crt.=    1 255 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	.4139444994	43780245E-02	94 551	0000	
AGEX1	- 1673105813	.81881755E-02	-20.433	0000	11196792E-01
AGEX2	- 8051114152E-01	36485270E-02	-22 067	0000	86031153E-01
AGEX3	- 3379978195E-01	28315017E-02	-11 937	0000	13629884
AGEX5	- 7669966689E-01	24720418E-02	-31 027	0000	15424253
MIG1	1753751067	24118452E-02	72 714	0000	.14738419
REG1	- 1223220100	24927995E-02	-49 070	0000	.86936560
MRS1	- 8278092269E-01	19227840E-02	-43 053	0000	65772070
ED2	4029364046E-01	58284054E-02	6 913	0000	29778661E-01
ED3	5013869586E-01	35784889E-02	14.011	0000	47898138
ED4	1377831315	41577421E-02	33 139	0000	21589944
ED5	2557259287	47456139E-02	53 887	0000	69921623E-01
ED6	2539332246	49549829E-02	51 248	0000	56808240E-01
ED7	4049119876	44793270E-02	90 396	0000	86884934E-01
YDEV	1 344428892	58727199E-01	22 893	0000	11277317E-01
YDEVA1	6351532087	13111565	4 844	0000	.71612559E-04
YDEVA2	4294521680	50105005E-01	8 571	.0000	.13201457E-02
YDEVA3	.2005995875	37536502E-01	5 344	.0000	18677777E-02
YDEVA5	- 5596917121E-01	.32760735E-01	-1.708	0876	14647089E-02
YDEVMI1	1088775526	31942492E-01	3 409	0007	.17774260E-02
YDEVRE1	-1 424250056	32260713E-01	-44 148	0000	10008409E-01
YDEVMR1	1466923334	25505836E-01	5 751	0000	73725700E-02
YDEVE2	- 4923371207E-01	80364325E-01	- 613	5401	36885684E-03
YDEVE3	- 8904834340E-01	48977087E-01	-1 818	0690	58553649E-02
YDEVE4	- 9313475024E-01	55716851E-01	-1 672	0946	.30204251E-02
YDEVE5	- 4456558049	62232414E-01	-7 161	.0000	.42063483E-03
YDEVE6	- 5415550491	65801549E-01	-8.230	.0000	.38176024E-03
YDEVE7	- 3819457065	.59557764E-01	-6.413	0000	51133751E-03

```
Normal exit from iterations  Exit status=0
```

```
+-----------------------------------------------+
| Binomial Probit Model                         |
| Maximum Likelihood Estimates                  |
| Dependent variable                    IND1    |
| Weighting variable                   WTPOP    |
| Number of observations              309593     |
| Iterations completed                     5     |
| Log likelihood function          -185404.1    |
| Restricted log likelihood        -213205 6    |
| Chi-squared                       55603 05    |
| Degrees of freedom                   27       |
| Significance level                0000000     |
| Results retained for SELECTION model.         |
+-----------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 2499763970	13268228E-01	-18 840	0000	
AGEX1	- 4747861714	24402909E-01	-19 456	0000	11196792E-01
AGEX2	- 2237659938	10439798E-01	-21 434	0000	86031153E-01
AGEX3	- 9535085333E-01	81201230E-02	-11 743	0000	13629884

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX5	- 2419238426	75911970E-02	-31 869	0000	.15424253
MIG1	4768768772	.68942354E-02	69 170	.0000	.14738419
REG1	-.3271259541	72325253E-02	-45.230	.0000	.86936560
MRS1	- 2359038187	55749819E-02	-42 315	.0000	65772070
ED2	1346348825	.17882172E-01	7.529	0000	29778661E-01
ED3	1647268629	11187388E-01	14.724	0000	47898138
ED4	4072376447	12649079E-01	32 195	0000	21589944
ED5	7146893222	14137517E-01	50 553	0000	69921623E-01
ED6	7021570530	14662219E-01	47 889	0000	56808240E-01
ED7	1 110101328	13626679E-01	81 465	0000	.86884934E-01
YDEV	3 741533325	17854699	20 955	0000	11277317E-01
YDEVA1	1 886893838	38973364	4 841	.0000	.71612559E-04
YDEVA2	1 209242885	.14294080	8.460	.0000	.13201457E-02
YDEVA3	5626597548	.10730760	5.243	0000	.18677777E-02
YDEVA5	- 1879496537	10029817	-1.874	.0609	14647089E-02
YDEVMI1	.3137858943	91481714E-01	3 430	0006	17774260E-02
YDEVRE1	-3.905047286	94935002E-01	-41 134	0000	10008409E-01
YDEVMR1	4044224013	.73788290E-01	5 481	.0000	73725700E-02
YDEVE2	- 2101917648	24618747	- 854	3932	36885684E-03
YDEVE3	- 3222436639	15247025	-2 113	0346	58553649E-02
YDEVE4	- 3306644993	16937799	-1 952	0509	30204251E-02
YDEVE5	-1 244205763	18584553	-6 695	0000	.42063483E-03
YDEVE6	-1 524914878	19495810	-7 822	0000	38176024E-03
YDEVE7	-1 080629809	18111990	-5.966	0000	51133751E-03

Partial derivatives of E[y] = F[*] with
respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are IND1=0

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 90417649 42E-01	47844757E-02	-18 898	0000	
AGEX1	- 1717324120	88301558E-02	-19 448	0000	88171243E-02
AGEX2	- 8093722217E-01	37838237E-02	-21 390	0000	52041099E-01
AGEX3	- 3448885628E-01	29407756E-02	-11 728	0000	87923372E-01
AGEX5	- 8750500226E-01	27327914E-02	-32 020	0000	21996778
MIG1	1724886302	24887350E-02	69 308	0000	10371629
REG1	- 1183230104	26079675E-02	-45 370	0000	91135072
MRS1	- 8532753107E-01	20162024E-02	-42 321	0000	69469969
ED2	4869807612E-01	64674135E-02	7 530	0000	35598992E-01
ED3	.5958248829E-01	40452555E-02	14.729	.0000	.54307938
ED4	1472997893	.45702034E-02	32 230	0000	15563936
ED5	2585065205	51181754E-02	50 508	0000	70141582E-01
ED6	2539735392	.53080275E-02	47 847	0000	.58202463E-01
ED7	4015289199	49220350E-02	81 578	0000	.60362482E-01
YDEV	1 353330365	64491766E-01	20.985	0000	16542499E-01
YDEVA1	6824984583	14096652	4 842	0000	86249653E-04
YDEVA2	4373888919	51696827E-01	8 461	0000	90659809E-03
YDEVA3	2035167043	38812062E-01	5 244	0000	16605431E-02
YDEVA5	- 6798228194E-01	36277027E-01	-1 874	0609	36244005E-02
YDEVMI1	1134978475	33088084E-01	3 430	0006	14392887E-02
YDEVRE1	-1 412474141	34063049E-01	-41 466	.0000	.20381819E-01
YDEVMR1	1462815024	26687350E-01	5.481	.0000	11340083E-01
YDEVE2	-.7602735911E-01	89047078E-01	-.854	3932	.69952019E-03
YDEVE3	- 1165570629	.55149792E-01	-2.113	0346	95587920E-02
YDEVE4	- 1196029191	61265836E-01	-1 952	0509	23875474E-02
YDEVE5	- 4500351308	67219184E-01	-6 695	0000	92334000E-03
YDEVE6	- 5515689503	70513326E-01	-7 822	0000	82548999E-03
YDEVE7	- 3908689318	65510583E-01	-5 967	0000	74513494E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are IND1=1

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 9920060935E-01	52629954E-02	-18 849	0000	
AGEX1	- 1884140986	96866909E-02	-19 451	0000	72065644E-02
AGEX2	- 8879927547E-01	41457414E-02	-21 419	0000	72679272E-01
AGEX3	- 3783902347E-01	32236028E-02	-11 738	0000	13533357
AGEX5	- 9600503443E-01	30131343E-02	-31 862	0000	10475919
MIG1	1892437741	27455002E-02	68 929	0000	22909026
REG1	- 1298166322	28673824E-02	-45 274	.0000	86906885
MRS1	- 9361604875E-01	22150989E-02	-42 263	.0000	.58669996
ED2	5342849384E-01	70964376E-02	7 529	.0000	.19272208E-01
ED3	6537019246E-01	44398257E-02	14 724	0000	.33010346
ED4	1616081478	50218889E-02	32 181	0000	18123439
ED5	2836172419	56206523E-02	50 460	0000	10489476
ED6	2786439374	58296923E-02	47 797	0000	96325366E-01
ED7	4405325042	54477518E-02	80 865	0000	23218694
YDEV	1 484789725	70827245E-01	20 964	0000	.18013324E-01
YDEVA1	7487947694	15466198	4 841	0000	15618195E-03
YDEVA2	4798758304	56724051E-01	8 460	0000	18060257E-02
YDEVA3	2232858430	42583073E-01	5 244	0000	.25884781E-02
YDEVA5	- 7458592251E-01	39802506E-01	-1 874	0609	16591573E-02
YDEVMI1	1245227641	36304130E-01	3 430	0006	40836668E-02
YDEVRE1	-1 549678590	37592577E-01	-41 223	.0000	19960352E-01
YDEVMR1	1604909469	29281059E-01	5 481	0000	10395063E-01
YDEVE2	- 8341247974E-01	97696975E-01	- 854	3932	43206279E-03
YDEVE3	- 1278791446	60506383E-01	-2 113	0346	.67194905E-02
YDEVE4	- 1312208681	67215881E-01	-1 952	0509	39130111E-02
YDEVE5	- 4937504955	73749209E-01	-6 695	0000	15236225E-02
YDEVE6	- 6051470737	77364325E-01	-7 822	0000	14415055E-02
YDEVE7	- 4288370297	71871087E-01	-5 967	0000	32248434E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.9436494306E-01	49949838E-02	-18.892	.0000	
AGEX1	- 1792296016	92111847E-02	-19.458	.0000	11196792E-01
AGEX2	- 8447063611E-01	39408247E-02	-21.435	.0000	.86031153E-01
AGEX3	-.3599450970E-01	30652500E-02	-11.743	.0000	.13629884
AGEX5	- 9132514071E-01	28637532E-02	-31.890	.0000	.15424253
MIG1	1800188334	26050322E-02	69 104	.0000	14738419
REG1	- 1234885469	27317791E-02	-45 204	.0000	.86936560
MRS1	- 8905260934E-01	21041375E-02	-42 323	.0000	65772070
ED2	5082405050E-01	67501149E-02	7 529	0000	29778661E-01
ED3	6218363506E-01	42224929E-02	14 727	0000	.47898138
ED4	1537303426	47727540E-02	32 210	0000	.21589944
ED5	2697919404	53343620E-02	50 576	.0000	.69921623E-01
ED6	2650610663	55324878E-02	47 910	0000	56808240E-01
ED7	4190581585	51493152E-02	81 381	0000	86884934E-01
YDEV	1.412411665	67406562E-01	20 954	0000	11277317E-01
YDEVA1	7122937675	14712146	4 842	0000	71612559E-04
YDEVA2	4564836417	.53959929E-01	8 460	.0000	13201457E-02
YDEVA3	2124014762	40508243E-01	5.243	0000	18677777E-02
YDEVA5	- 7095013203E-01	37861986E-01	-1.874	0609	14647089E-02
YDEVMI1	1184527356	.34534436E-01	3 430	0006	17774260E-02
YDEVRE1	-1 474137436	.35854458E-01	-41 114	0000	10008409E-01
YDEVMR1	1526676012	.27854464E-01	5 481	0000	73725700E-02
YDEVE2	- 7934642693E-01	92934533E-01	- 854	3932	36885684E-03
YDEVE3	- 1216455048	57556486E-01	-2 113	0346	58553649E-02
YDEVE4	- 1248243315	63939106E-01	-1 952	0509	30204251E-02

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE5	- 4696819677	70155209E-01	-6 695	0000	42063483E-03
YDEVE6	- 5756483708	73595810E-01	-7 822	0000	38176024E-03
YDEVE7	- 4079327955	68371499E-01	-5 966	0000	51133751E-03

Marginal Effects for Probit			
Variable	IND1=0	IND1=1	All Obs
ONE	-.0904	- 0992	- 0944
AGEX1	- 1717	-.1884	- 1792
AGEX2	- 0809	-.0888	- 0845
AGEX3	-.0345	-.0378	-.0360
AGEX5	-.0875	-.0960	-.0913
MIG1	.1725	1892	.1800
REG1	-.1183	-.1298	-.1235
MRS1	-.0853	- 0936	-.0891
ED2	0487	0534	.0508
ED3	0596	0654	.0622
ED4	1473	1616	.1537
ED5	2585	2836	.2698
ED6	2540	2786	.2651
ED7	4015	4405	4191
YDEV	1 3533	1 4848	1 4124
YDEVA1	6825	7488	7123
YDEVA2	4374	4799	4565
YDEVA3	2035	2233	2124
YDEVA5	- 0680	- 0746	- 0710

Marginal Effects for Probit			
Variable	IND1=0	IND1=1	All Obs.
YDEVMI1	1135	1245	1185
YDEVRE1	-1 4125	-1 5497	-1 4741
YDEVMR1	1463	1605	1527
YDEVE2	- 0760	- 0834	- 0793
YDEVE3	- 1166	- 1279	- 1216
YDEVE4	- 1196	- 1312	- 1248
YDEVE5	- 4500	- 4938	- 4697
YDEVE6	- 5516	- 6051	- 5756
YDEVE7	- 3909	- 4288	- 4079

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****25495		*****
1	8031359837		*****
Total	*****85332		*****

Table C.26 : Estimate of Industry (Round I, male)

```
PROBIT,Lhs=IND1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,ed
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills);Prob=prob,Margin=
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = IND1      Mean=     3670296947     , S D =     4819953941  |
| Model size  Observations =  350921, Parameters =  28, Deg Fr.= 350893 |
| Residuals   Sum of squares= 74742 97660     , Std Dev =          46153 |
| Fit         R-squared=    083196, Adjusted R-squared =          08313 |
| Model test  F[ 27, 350893] = 1179 33,     Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -241825 4177 |
|             LogAmemiyaPrCrt =   -1.546, Akaike Info. Crt =      1 292 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	3259595526	52904462E-02	61 613	0000	
AGEX1	- 1634999443	89317475E-02	-18 305	0000	84325794E-02
AGEX2	- 8023135736E-01	37933992E-02	-21 150	0000	73967077E-01
AGEX3	- 3472904175E-01	28578100E-02	-12 152	0000	12934079
AGEX5	- 6179340595E-01	21969252E-02	-28 127	0000	18470531
MIG1	1176170466	20959280E-02	56 117	0000	18230342
REG1	- 8350030284E-01	24674714E-02	-33.840	0000	87996052
MRS1	- 1813574078E-01	22296312E-02	-8 134	0000	72384780
ED2	2819892534E-01	64887077E-02	4.346	0000	26931050E-01
ED3	5642739974E-01	45081776E-02	12.517	0000	47811640
ED4	1284395151	48985219E-02	26.220	0000	21650860
ED5	2310731194	50783566E-02	45.502	0000	10430834
ED6	2525711592	53815918E-02	46 932	0000	68883197E-01
ED7	4002356067	53223788E-02	75 199	0000	71944538E-01
YDEV	1 281565455	70969184E-01	18 058	0000	11687731E-01
YDEVA1	2439880869	13994541	1 743	0813	44596810E-04
YDEVA2	2715738118	51773507E-01	5 245	0000	10103357E-02
YDEVA3	1555563723	37889381E-01	4 106	0000	18058343E-02
YDEVA5	-.9328328149E-01	29038188E-01	-3 212	0013	19567854E-02
YDEVMI1	1505901551	27782130E-01	5 420	0000	20690986E-02
YDEVRE1	-1 030926374	32001986E-01	-32 214	0000	10553774E-01
YDEVMR1	- 7757026131E-01	29338640E-01	-2 644	0082	82572463E-02
YDEVE2	4066770098E-01	88875633E-01	458	6473	36449213E-03
YDEVE3	1963597273E-01	61370608E-01	320	7490	62548531E-02
YDEVE4	- 6329232378E-02	65944056E-01	- 096	.9235	28713114E-02
YDEVE5	-.1942822075	67996360E-01	-2.857	0043	.76786108E-03
YDEVE6	-.5257604094	72036954E-01	-7.298	0000	.53163769E-03
YDEVE7	-.4722400440	.71123998E-01	-6 640	0000	.49697692E-03

```
Normal exit from iterations. Exit status=0
```

```
+---------------------------------------------+
| Binomial Probit Model                       |
| Maximum Likelihood Estimates                |
| Dependent variable                    IND1  |
| Weighting variable                   WTPOP  |
| Number of observations              350921  |
| Iterations completed                     5  |
| Log likelihood function          -216092 6  |
| Restricted log likelihood        -239836 5  |
| Chi-squared                       47487.66  |
| Degrees of freedom                      27  |
| Significance level                 0000000  |
|                                             |
| Results retained for SELECTION model.       |
+---------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 4991337188	15886710E-01	-31.418	0000	
AGEX1	- 4943551030	27460714E-01	-18.002	0000	84325794E-02
AGEX2	- 2215041689	10699173E-01	-20.703	0000	73967077E-01
AGEX3	- 9585662912E-01	79717701E-02	-12 025	0000	12934079

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX5	- 1912545176	.64875689E-02	-29.480	.0000	18470531
MIG1	3171537299	58273589E-02	54 425	.0000	.18230342
REG1	-.2187695514	.69271053E-02	-31.582	.0000	.87996052
MRS1	- 5069812774E-01	.62626420E-02	-8.095	0000	72384780
ED2	9465066754E-01	19820697E-01	4 775	0000	.26931050E-01
ED3	1870752218	.13920562E-01	13 439	0000	47811640
ED4	3866879645	14868265E-01	26 008	0000	21650860
ED5	6552932930	15267168E-01	42 922	0000	10430834
ED6	.7060666608	16017474E-01	44 081	0000	.68883197E-01
ED7	1 091525963	.15990906E-01	68.259	0000	71944538E-01
YDEV	3 543646361	.21304811	16.633	0000	.11687731E-01
YDEVA1	1 047750528	42493285	2 466	.0137	44596810E-04
YDEVA2	7922163882	14518694	5 457	0000	10103357E-02
YDEVA3	4357090756	10532588	4 137	0000	18058343E-02
YDEVA5	- 2239212773	85378685E-01	-2 623	.0087	19567854E-02
YDEVMI1	.3444688628	.77160429E-01	4.464	.0000	.20690986E-02
YDEVRE1	-2 747117313	.90799205E-01	-30.255	.0000	.10553774E-01
YDEVMR1	- 2018985329	.82149572E-01	-2.458	0140	82572463E-02
YDEVE2	.7678896919E-01	26992050	284	7760	36449213E-03
YDEVE3	- 3051297262E-01	18844707	- 162	8714	62548531E-02
YDEVE4	- 1546929253	19938021	- 776	4378	28713114E-02
YDEVE5	- 6783632600	20403005	-3 325	0009	76786108E-03
YDEVE6	-1 521817320	21405706	-7 109	0000	53163769E-03
YDEVE7	-1 388686906	21322401	-6 513	0000	49697692E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are IND1=0

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1820526861	57686909E-02	-31 559	0000	
AGEX1	- 1803097466	10015112E-01	-18 004	0000	81457835E-02
AGEX2	- 8079083302E-01	39063383E-02	-20 682	0000	53883257E-01
AGEX3	- 3496248831E-01	29104740E-02	-12 013	0000	83659398E-01
AGEX5	- 6975765682E-01	23571179E-02	-29 594	0000	25361507
MIG1	1156777959	21182727E-02	54 609	0000	13408520
REG1	- 7979341599E-01	.25238882E-02	-31.615	0000	90415195
MRS1	-.1849149834E-01	22842259E-02	-8 095	0000	76965646
ED2	3452262914E-01	72286840E-02	4 776	0000	31802580E-01
ED3	6823331173E-01	50746830E-02	13 446	0000	52446737
ED4	1410395250	.54166559E-02	26.038	0000	16653324
ED5	2390099079	55635531E-02	42 960	0000	10495952
ED6	2575288491	58395401E-02	44.101	0000	71655876E-01
ED7	3981202351	58206173E-02	68 398	0000	56049795E-01
YDEV	1 292500014	77632308E-01	16 649	0000	.15764970E-01
YDEVA1	3821537010	15498887	2 466	0137	95899088E-04
YDEVA2	2889508683	52953157E-01	5.457	0000	84841888E-03
YDEVA3	1589193528	38414566E-01	4 137	0000	13627851E-02
YDEVA5	- 8167244262E-01	31139480E-01	-2 623	0087	41849563E-02
YDEVMI1	1256406438	28141575E-01	4 465	0000	16884663E-02
YDEVRE1	-1 001976158	32926867E-01	-30 430	0000	19588809E-01
YDEVMR1	- 7363992621E-01	29963326E-01	-2 458	0140	12182483E-01
YDEVE2	2800780147E-01	98449991E-01	284	.7760	.60207047E-03
YDEVE3	- 1112921932E-01	68733781E-01	- 162	.8714	88482623E-02
YDEVE4	- 5642228025E-01	72721760E-01	- 776	4378	23636397E-02
YDEVE5	- 2474243854	74416971E-01	-3.325	0009	12777087E-02
YDEVE6	- 5550635438	78070527E-01	-7 110	0000	10538237E-02
YDEVE7	- 5065059157	77767470E-01	-6 513	0000	80353651E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are IND1=1

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1955586862	62207859E-02	-31 436	0000	
AGEX1	- 1936864427	10761860E-01	-17 997	0000	45742505E-02
AGEX2	- 8678448805E-01	41952324E-02	-20 686	0000	55288191E-01
AGEX3	- 3755626147E-01	31252843E-02	-12 017	0000	10997398
AGEX5	- 7493279012E-01	25414195E-02	-29 485	0000	14965941
MIG1	1242596210	22889736E-02	54 286	0000	23663637
REG1	- 8571307532E-01	27111075E-02	-31 616	0000	88230738
MRS1	- 1986333297E-01	24537939E-02	-8 095	.0000	72228805
ED2	3708377032E-01	77657176E-02	4 775	.0000	.15980088E-01
ED3	7329535797E-01	54545008E-02	13 438	0000	33736918
ED4	1515028688	58287045E-02	25 993	0000	.16940614
ED5	2567414114	59969526E-02	42 812	0000	15986046
ED6	2766342231	62940290E-02	43 952	0000	11722924
ED7	4276557066	63162685E-02	67 707	0000	.18132170
YDEV	1 388387120	83435358E-01	16 640	0000	19783718E-01
YDEVA1	4105046582	16648727	2 466	0137	10998722E-03
YDEVA2	3103873575	56883112E-01	5 457	0000	13662227E-02
YDEVA3	1707091530	41264972E-01	4 137	0000	.22982981E-02
YDEVA5	- 8773150190E-01	33451056E-01	-2 623	0087	.28907105E-02
YDEVMI1	1349615859	30231876E-01	4 464	0000	.45610030E-02
YDEVRE1	-1 076310079	35482304E-01	-30 334	0000	.21654723E-01
YDEVMR1	- 7910307466E-01	32186337E-01	-2.458	0140	14123183E-01
YDEVE2	3008562508E-01	10575384	284	7760	.39984046E-03
YDEVE3	- 1195486622E-01	.73832840E-01	- 162	8714	.77833526E-02
YDEVE4	- 6060809776E-01	78116283E-01	- 776	4378	38639786E-02
YDEVE5	- 2657801364	.79936023E-01	-3 325	0009	28065893E-02
YDEVE6	- 5962422181	.83862235E-01	-7 110	0000	17451785E-02
YDEVE7	- 5440822300	83532298E-01	-6 513	0000	27636251E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are All Obs

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1867970248	59244920E-02	-31 530	0000	
AGEX1	- 1850086639	10275295E-01	-18 005	0000	84325794E-02
AGEX2	- 8289626239E-01	40037932E-02	-20 704	.0000	73967077E-01
AGEX3	- 3587361952E-01	29833365E-02	-12 025	.0000	12934079
AGEX5	- 7157555885E-01	24267308E-02	-29 495	0000	18470531
MIG1	1186923882	21811492E-02	54 417	.0000	18230342
REG1	- 8187285242E-01	25926720E-02	-31 579	.0000	87996052
MRS1	- 1897339143E-01	23437242E-02	-8 095	.0000	72384780
ED2	3542229751E-01	74176084E-02	4 775	.0000	26931050E-01
ED3	7001148895E-01	52089283E-02	13.441	.0000	47811640
ED4	1447150504	55624576E-02	26 016	.0000	21650860
ED5	2452385661	57107210E-02	42 944	0000	.10430834
ED6	2642401155	59919494E-02	44 099	0000	.68883197E-01
ED7	4084953483	59864170E-02	68 237	0000	.71944538E-01
YDEV	1 326182888	79730369E-01	16 633	.0000	.11687731E-01
YDEVA1	3921127223	15902648	2 466	0137	.44596810E-04
YDEVA2	2964810004	54334527E-01	5 457	0000	.10103357E-02
YDEVA3	1630608310	39417266E-01	4 137	0000	18058343E-02
YDEVA5	- 8380084696E-01	31952391E-01	-2 623	0087	19567854E-02
YDEVMI1	1289148704	.28877258E-01	4 464	0000	20690986E-02
YDEVRE1	-1 028087908	33984748E-01	-30 251	0000	10553774E-01
YDEVMR1	- 7555900116E-01	30743940E-01	-2 458	0140	82572463E-02
YDEVE2	2873769180E-01	10101572	284	7760	36449213E-03
YDEVE3	- 1141924956E-01	70524871E-01	- 162	8714	62548531E-02

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE4	- 5789265902E-01	74616376E-01	- 776	4378	.28713114E-02
YDEVE5	- 2538723270	76355736E-01	-3.325	0009	76786108E-03
YDEVE6	- 5695286390	80108010E-01	-7 110	0000	53163769E-03
YDEVE7	- 5197055869	79796304E-01	-6 513	.0000	49697692E-03

Marginal Effects for Probit

Variable	IND1=0	IND1=1	All Obs
ONE	- 1821	- 1956	- 1868
AGEX1	-.1803	-.1937	- 1850
AGEX2	- 0808	-.0868	- 0829
AGEX3	-.0350	- 0376	- 0359
AGEX5	-.0698	-.0749	- 0716
MIG1	.1157	.1243	.1187
REG1	-.0798	- 0857	- 0819
MRS1	- 0185	- 0199	-.0190
ED2	.0345	.0371	0354
ED3	0682	0733	.0700
ED4	1410	1515	1447
ED5	2390	2567	2452
ED6	2575	.2766	2642
ED7	3981	4277	4085
YDEV	1 2925	1 3884	1 3262
YDEVA1	.3822	4105	3921
YDEVA2	2890	3104	.2965
YDEVA3	1589	1707	.1631
YDEVA5	- 0817	- 0877	- 0838

Marginal Effects for Probit

Variable	IND1=0	IND1=1	All Obs
YDEVMI1	1256	1350	1289
YDEVRE1	-1.0020	-1 0763	-1 0281
YDEVMR1	- 0736	- 0791	-.0756
YDEVE2	0280	0301	0287
YDEVE3	- 0111	- 0120	- 0114
YDEVE4	- 0564	-.0606	- 0579
YDEVE5	-.2474	- 2658	-.2539
YDEVE6	- 5551	-.5962	- 5695
YDEVE7	-.5065	- 5441	- 5197

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability.

	Predicted		
Actual	0	1	Total
0	*****23741		*****
1	*****46387		*****
Total	*****70128		*****

Table C.27 : Estimate of Industry (Round III, Female)

```
PROBIT,Lhs=IND1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,ed .
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills),Prob=prob;Margin=  .
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
  Ordinary    least squares regression    Weighting variable = WTPOP
| Dep  var  = IND1      Mean=    2832230970     , S D =    4505645454   |
| Model size  Observations =  319566, Parameters =  28, Deg Fr = 319538 |
| Residuals.  Sum of squares= 53397 00758     , Std.Dev.=          40879 |
| Fit         R-squared=   176917, Adjusted R-squared =          17685 |
| Model test  F[ 27, 319538] = 2543 81,     Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -198668 7650 |
|             LogAmemiyaPrCrt =   -1.789, Akaike Info  Crt =      1 049 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	4701256698	40235176E-02	116 844	.0000	
AGEX1	- 1983545195	65518806E-02	-30 274	0000	14483721E-01
AGEX2	- 1103925173	32136694E-02	-34 351	0000	96436367E-01
AGEX3	- 5900708342E-01	25649156E-02	-23 005	0000	13918868
AGEX5	- 6040217718E-01	22071704E-02	-27 366	0000	15719146
MIG1	1510775834	22245792E-02	67 913	0000	13868948
REG1	- 2342217277	24474232E-02	-95 701	0000	.89053323
MRS1	- 1003487726	17773806E-02	-56 459	0000	.67115909
ED2	3272195540E-01	.52151888E-02	6 274	0000	.28854603E-01
ED3	2269326624E-01	31592903E-02	7 183	0000	.49893756
ED4	9881895446E-01	37350814E-02	26 457	0000	.22644694
ED5	2572160956	43939245E-02	58 539	0000	62899782E-01
ED6	2853123145	46513491E-02	61 340	0000	47910390E-01
ED7	4458166878	41731014E-02	106 831	0000	72403065E-01
YDEV	7766028949	56625079E-01	13.715	0000	14617554E-01
YDEVA1	3034393785	10436521	2 907	0036	- 85883062E-04
YDEVA2	4990806128	45461828E-01	10 978	0000	85743042E-03
YDEVA3	3271644054	35663694E-01	9 174	0000	21142714E-02
YDEVA5	- 1195127786	.30805262E-01	-3 880	0001	22923957E-02
YDEVMI1	- 1800105168	31210122E-01	-5.768	0000	22298296E-02
YDEVRE1	- 6589891486	33715189E-01	-19 546	0000	12935642E-01
YDEVMR1	9662177539E-01	24888192E-01	3.882	0001	10776983E-01
YDEVE2	.1949667598	75483752E-01	2 583	0098	32321915E-03
YDEVE3	3804065394E-02	45051961E-01	084	9327	70183601E-02
YDEVE4	- 1832121229	52225435E-01	-3 508	.0005	33827666E-02
YDEVE5	- 3204067911	60205809E-01	-5 322	.0000	.12587667E-02
YDEVE6	- 4119561629	64643346E-01	-6 373	.0000	.77356717E-03
YDEVE7	- 4298862638	58211443E-01	-7 385	0000	.11686662E-02

Normal exit from iterations Exit status=0

Binomial Probit Model	
Maximum Likelihood Estimates	
Dependent variable	IND1
Weighting variable	WTPOP
Number of observations	319566
Iterations completed	5
Log likelihood function	-163374 8
Restricted log likelihood	-212967 8
Chi-squared	99186.11
Degrees of freedom	27
Significance level	0000000
Results retained for SELECTION model	

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Index function for probability					
Constant	- 9177333996E-01	14192917E-01	-6 466	0000	
AGEX1	- 6867287277	24425428E-01	-28 115	0000	14483721E-01
AGEX2	- 3539757287	10764314E-01	-32 884	0000	96436367E-01
AGEX3	- 1952735928	86395931E-02	-22 602	0000	13918868
AGEX5	- 2369864426	82853606E-02	-28 603	0000	15719146

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
MIG1	.4595048468	.72502478E-02	63.378	.0000	.13868948
REG1	-.6693856711	.78091761E-02	-85.718	.0000	.89053323
MRS1	-.3306096652	.59991428E-02	-55.109	.0000	.67115909
ED2	.1310900331	.19258811E-01	6.807	.0000	.28854603E-01
ED3	.9059158768E-01	.11944202E-01	7.585	.0000	.49893756
ED4	.3443027925	.13568607E-01	25.375	.0000	.22644694
ED5	.7861249703	.15192736E-01	51.743	.0000	.62899782E-01
ED6	.8413547088	.15840300E-01	53.115	.0000	.47910390E-01
ED7	1.269024696	.14708888E-01	86.276	.0000	.72403065E-01
YDEV	1.980912720	.19932456	9.938	.0000	.14617554E-01
YDEVA1	1.342276307	.38770247	3.462	.0005	-.85883062E-04
YDEVA2	1.703963002	.15102899	11.282	.0000	.85743042E-03
YDEVA3	1.113366292	.11883309	9.369	.0000	.21142714E-02
YDEVA5	-.4179982259	.11479473	-3.641	.0003	.22923957E-02
YDEVMI1	-.6769795458	.10120528	-6.689	.0000	.22298296E-02
YDEVRE1	-1.540810562	.10810408	-14.253	.0000	.12935642E-01
YDEVMR1	.4221918334	.83297465E-01	5.068	.0000	.10776983E-01
YDEVE2	.7019113061	.27619084	2.541	.0110	.32321915E-03
YDEVE3	-.3095678916E-02	.16888220	-.018	.9854	.70183601E-02
YDEVE4	-.6727446373	.18881767	-3.563	.0004	.33827666E-02
YDEVE5	-1.107300231	.20846447	-5.312	.0000	.12587667E-02
YDEVE6	-1.345452618	.22003759	-6.115	.0000	.77356717E-03
YDEVE7	-1.315210910	.20472318	-6.424	.0000	.11686662E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are IND1=0

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.2793758323E-01	.43146872E-02	-6.475	.0000	
AGEX1	-.2090535333	.74347240E-02	-28.119	.0000	.13436511E-01
AGEX2	-.1077570718	.32946856E-02	-32.706	.0000	.59138964E-01
AGEX3	-.5944506600E-01	.26401219E-02	-22.516	.0000	.92295247E-01
AGEX5	-.7214326585E-01	.25045566E-02	-28.805	.0000	.21766537
MIG1	.1398821805	.22019175E-02	63.527	.0000	.99443410E-01
REG1	-.2037739708	.23590755E-02	-86.379	.0000	.93793054
MRS1	-.1006439892	.18252011E-02	-55.141	.0000	.71118878
ED2	.3990634657E-01	.58617564E-02	6.808	.0000	.33481893E-01
ED3	.2757783493E-01	.36355004E-02	7.586	.0000	.56389084
ED4	.1048124425	.41259594E-02	25.403	.0000	.16904260
ED5	.2393116759	.46340614E-02	51.642	.0000	.60594035E-01
ED6	.2561246786	.48354961E-02	52.968	.0000	.47910498E-01
ED7	.3863157108	.44906443E-02	86.027	.0000	.49594513E-01
YDEV	.6030282215	.60655960E-01	9.942	.0000	.24755900E-01
YDEVA1	.4086149208	.11802944	3.462	.0005	.87880175E-04
YDEVA2	.5187193601	.45964134E-01	11.285	.0000	.99258728E-03
YDEVA3	.3389302759	.36166634E-01	9.371	.0000	.20439905E-02
YDEVA5	-.1272467607	.34939583E-01	-3.642	.0003	.56694562E-02
YDEVMI1	-.2060856934	.30814616E-01	-6.688	.0000	.24040971E-02
YDEVRE1	-.4690525954	.32796048E-01	-14.302	.0000	.26353831E-01
YDEVMR1	.1285233761	.25355118E-01	5.069	.0000	.18303888E-01
YDEVE2	.2136754044	.84075150E-01	2.541	.0110	.77858349E-03
YDEVE3	-.9423846555E-03	.51411037E-01	-.018	.9854	.14033300E-01
YDEVE4	-.2047965052	.57487598E-01	-3.562	.0004	.39096182E-02
YDEVE5	-.3370836495	.63468095E-01	-5.311	.0000	.17359046E-02
YDEVE6	-.4095818513	.66989022E-01	-6.114	.0000	.12137575E-02
YDEVE7	-.4003756893	.62332534E-01	-6.423	.0000	.13059831E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are IND1=1

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.3533052693E-01	.54610287E-02	-6.470	.0000	
AGEX1	-.2643740309	.94159694E-02	-28.077	.0000	.75521087E-02
AGEX2	-.1362721355	.41585708E-02	-32.769	.0000	.76838032E-01
AGEX3	-.7517563307E-01	.33337341E-02	-22.550	.0000	.13635255
AGEX5	-.9123407622E-01	.31912308E-02	-28.589	.0000	.10415244
MIG1	.1768983059	.28157982E-02	62.824	.0000	.22745748
REG1	-.2576973715	.30067604E-02	-85.706	.0000	.85696517
MRS1	-.1272767634	.23232171E-02	-54.785	.0000	.57022892
ED2	.5046650746E-01	.74145209E-02	6.806	.0000	.18429096E-01
ED3	.3487558075E-01	.45985967E-02	7.584	.0000	.32157025
ED4	.1325482879	.52292699E-02	25.347	.0000	.17821839
ED5	.3026391919	.58828539E-02	51.444	.0000	.10754235
ED6	.3239013118	.61402249E-02	52.751	.0000	.99453712E-01
ED7	.4885439630	.57966427E-02	84.281	.0000	.24012291
YDEV	.7626037174	.76692152E-01	9.944	.0000	.27869464E-01
YDEVA1	.5167440701	.14925414	3.462	.0005	.98886288E-04
YDEVA2	.6559847420	.58130298E-01	11.285	.0000	.17600234E-02
YDEVA3	.4286192239	.45738231E-01	9.371	.0000	.35678040E-02
YDEVA5	-.1609192559	.44194397E-01	-3.641	.0003	.28221531E-02
YDEVMI1	-.2606208305	.38959588E-01	-6.690	.0000	.59691420E-02
YDEVRE1	-.5931749795	.41517117E-01	-14.287	.0000	.29315031E-01
YDEVMR1	.1625336939	.32064208E-01	5.069	.0000	.16988717E-01
YDEVE2	.2702189581	.10632694	2.541	.0110	.48903684E-03
YDEVE3	-.1191761871E-02	.65015584E-01	-.018	.9854	.91328602E-02
YDEVE4	-.2589904927	.72690006E-01	-3.563	.0004	.48512893E-02
YDEVE5	-.4262839367	.80248918E-01	-5.312	.0000	.31086138E-02
YDEVE6	-.5179668733	.84699007E-01	-6.115	.0000	.25599746E-02
YDEVE7	-.5063245436	.78789324E-01	-6.426	.0000	.68140596E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.2988523775E-01	.46144029E-02	-6.477	.0000	
AGEX1	-.2236275950	.79477844E-02	-28.137	.0000	.14483721E-01
AGEX2	-.1152693017	.35039782E-02	-32.897	.0000	.96436367E-01
AGEX3	-.6358924880E-01	.28127312E-02	-22.608	.0000	.13918868
AGEX5	-.7717269726E-01	.26941431E-02	-28.645	.0000	.15719146
MIG1	.1496339961	.23618871E-02	63.354	.0000	.13868948
REG1	-.2179799704	.25521728E-02	-85.410	.0000	.89053323
MRS1	-.1076603342	.19508074E-02	-55.188	.0000	.67115909
ED2	.4268839740E-01	.62709090E-02	6.807	.0000	.28854603E-01
ED3	.2950040979E-01	.38891150E-02	7.585	.0000	.49893756
ED4	.1121193891	.44154203E-02	25.393	.0000	.22644694
ED5	.2559951687	.49435186E-02	51.784	.0000	.62899782E-01
ED6	.2739802814	.51566833E-02	53.131	.0000	.47910390E-01
ED7	.4132475158	.48132889E-02	85.856	.0000	.72403065E-01
YDEV	.6450680300	.64919290E-01	9.936	.0000	.14617554E-01
YDEVA1	.4371013040	.12624840	3.462	.0005	-.85883062E-04
YDEVA2	.5548816188	.49177162E-01	11.283	.0000	.85743042E-03
YDEVA3	.3625586292	.38695452E-01	9.370	.0000	.21142714E-02
YDEVA5	-.1361177044	.37381549E-01	-3.641	.0003	.22923957E-02
YDEVMI1	-.2204528536	.32954585E-01	-6.690	.0000	.22298296E-02
YDEVRE1	-.5017523606	.35222361E-01	-14.245	.0000	.12935642E-01
YDEVMR1	.1374833184	.27123615E-01	5.069	.0000	.10776983E-01
YDEVE2	.2285716775	.89938579E-01	2.541	.0110	.32321915E-03
YDEVE3	-.1008082527E-02	.54995107E-01	-.018	.9854	.70183601E-02
YDEVE4	-.2190737903	.61485966E-01	-3.563	.0004	.33827666E-02

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE5	- 3605832662	67882724E-01	-5 312	0000	12587667E-02
YDEVE6	-.4381356436	71652774E-01	-6 115	0000	77356717E-03
YDEVE7	-.4282876786	66666889E-01	-6 424	0000	11686662E-02

Marginal Effects for Probit			
Variable	IND1=0	IND1=1	All Obs.
ONE	- 0279	- 0353	- 0299
AGEX1	- 2091	- 2644	- 2236
AGEX2	- 1078	- 1363	-.1153
AGEX3	-.0594	-.0752	- 0636
AGEX5	-.0721	-.0912	- 0772
MIG1	1399	.1769	1496
REG1	- 2038	- 2577	-.2180
MRS1	- 1006	- 1273	-.1077
ED2	0399	0505	0427
ED3	0276	0349	0295
ED4	1048	1325	1121
ED5	2393	3026	2560
ED6	.2561	3239	2740
ED7	3863	4885	4132
YDEV	6030	7626	6451
YDEVA1	4086	.5167	4371
YDEVA2	5187	.6560	5549
YDEVA3	3389	4286	3626
YDEVA5	- 1272	- 1609	- 1361

Marginal Effects for Probit			
Variable	IND1=0	IND1=1	All Obs
YDEVMI1	- 2061	- 2606	- 2205
YDEVRE1	- 4691	- 5932	- 5018
YDEVMR1	.1285	1625	1375
YDEVE2	.2137	2702	2286
YDEVE3	- 0009	- 0012	- 0010
YDEVE4	-.2048	- 2590	- 2191
YDEVE5	-.3371	-.4263	- 3606
YDEVE6	- 4096	-.5180	- 4381
YDEVE7	- 4004	- 5063	- 4283

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted	
Actual	0 1	Total
0	*****18004	*****
1	7937143641	*****
Total	*****61645	*****

Table C.28 : Estimate of Industry (Round III, male)

```
PROBIT,Lhs=IND1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,ed...
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP;Hold(IMR=mills);Prob=prob,Margin=  .
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep var   = IND1     Mean=    2920274754    , S D =    4546955526    |
| Model size  Observations =  335354, Parameters =  28, Deg Fr = 335326 |
| Residuals   Sum of squares= 61424 54347    , Std Dev =          42799 |
| Fit         R-squared=   114072, Adjusted R-squared =          11400 |
| Model test  F[ 27, 335326] = 1599 13,    Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -211544.6097 |
|             LogAmemiyaPrCrt =   -1.697, Akaike Info. Crt =      1 141 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	3424132681	50674037E-02	67 572	0000	
AGEX1	- 1795622724	71515781E-02	-25 108	0000	12448330E-01
AGEX2	- 1059394078	34737318E-02	-30 497	0000	87899610E-01
AGEX3	-.6124883189E-01	27113607E-02	-22 590	0000	13882535
AGEX5	- 3118237183E-01	21466037E-02	-14 526	0000	17727253
MIG1	7114000008E-01	20117692E-02	35 362	0000	18542572
REG1	- 1717533555	24683445E-02	-69 582	0000	88808361
MRS1	- 1788246376E-01	21430953E-02	-8 344	0000	70318796
ED2	3111392651E-01	61978545E-02	5 020	0000	25701898E-01
ED3	4516598128E-01	42547316E-02	10 615	0000	47711527
ED4	1120131082	.46458427E-02	24 110	0000	23179620
ED5	2552512263	48547663E-02	52 577	0000	10004324
ED6	2930142358	51711111E-02	56 664	.0000	65154944E-01
ED7	4487061928	51372127E-02	87 344	0000	66165714E-01
YDEV	9822500740	71362680E-01	13.764	0000	.15258715E-01
YDEVA1	- 1023121573E-01	11117291	- 092	9267	- 35397354E-04
YDEVA2	1801769519	48891290E-01	3.685	0002	80249769E-03
YDEVA3	1804270912	37622019E-01	4 796	0000	21438333E-02
YDEVA5	- 1311596734	29891428E-01	-4 388	.0000	27313186E-02
YDEVMI1	3180303386E-01	28144928E-01	1 130	2585	32463278E-02
YDEVRE1	- 4702876426	33841721E-01	-13 897	0000	13538450E-01
YDEVMR1	- 1111057733	29737752E-01	-3 736	0002	11444097E-01
YDEVE2	- 5604088915E-02	88638968E-01	- 063	.9496	27956217E-03
YDEVE3	- 1346979673	60650559E-01	-2 221	0264	68144708E-02
YDEVE4	- 1683030049	65408158E-01	-2 573	0101	37865028E-02
YDEVE5	- 3167505541	68136360E-01	-4 649	0000	18128401E-02
YDEVE6	- 3518574093	72726479E-01	-4 838	0000	10601550E-02
YDEVE7	- 6034805797	72134646E-01	-8 366	0000	10685794E-02

```
Normal exit from iterations  Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable                  IND1  |
| Weighting variable                 WTPOP  |
| Number of observations            335354  |
| Iterations completed                   6  |
| Log likelihood function       -184214.5   |
| Restricted log likelihood     -222691.9   |
| Chi-squared                    76954 90   |
| Degrees of freedom                    27  |
| Significance level              .0000000  |
| Results retained for SELECTION model.     |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 4945785076	17416872E-01	-28 397	0000	
AGEX1	- 6787544310	27425668E-01	-24 749	0000	12448330E-01
AGEX2	- 3311545116	11202137E-01	-29.562	0000	87899610E-01
AGEX3	- 1850537760	85674795E-02	-21 600	0000	13882535

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX5	- 1103676868	72080457E-02	-15 312	0000	17727253
MIG1	2180603622	.63071233E-02	34 574	0000	18542572
REG1	- 4855697409	74104172E-02	-65 525	0000	88808361
MRS1	- 5571851538E-01	67724783E-02	-8 227	0000	70318796
ED2	1247452827	21971618E-01	5 678	0000	25701898E-01
ED3	1854332348	15396562E-01	12 044	0000	47711527
ED4	3923985571	16453101E-01	23 850	0000	23179620
ED5	7972258620	16825488E-01	47 382	0000	10004324
ED6	8846394588	17598265E-01	50 269	0000	65154944E-01
ED7	1 281869921	17597206E-01	72 845	.0000	.66165714E-01
YDEV	2 983082812	24270134	12 291	0000	15258715E-01
YDEVA1	7584777425	.41837577	1 813	.0698	- 35397354E-04
YDEVA2	.8015408010	15603101	5.137	.0000	.80249769E-03
YDEVA3	6304937003	11769172	5 357	.0000	.21438333E-02
YDEVA5	- 4150487786	.99507965E-01	-4.171	.0000	.27313186E-02
YDEVMI1	- 3791971373E-01	87529153E-01	-.433	6649	32463278E-02
YDEVRE1	-1 032960893	.10195930	-10 131	0000	13538450E-01
YDEVMR1	- 3012411001	93184593E-01	-3 233	0012	11444097E-01
YDEVE2	- 1576509322	30959790	- 509	6106	27956217E-03
YDEVE3	- 6956760648	21587820	-3 223	0013	68144708E-02
YDEVE4	- 8869250918	22834172	-3 884	0001	37865028E-02
YDEVE5	-1 447515065	23363385	-6 196	0000	.18128401E-02
YDEVE6	-1.517801444	24510088	-6 193	0000	10601550E-02
YDEVE7	-2.126034904	24474730	-8 687	0000	10685794E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are IND1=0

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.1611997358	56479837E-02	-28 541	0000	
AGEX1	- 2212288509	89267203E-02	-24 783	0000	13225668E-01
AGEX2	- 1079343703	36595299E-02	-29.494	0000	64786538E-01
AGEX3	- 6031523678E-01	28002926E-02	-21.539	0000	90396241E-01
AGEX5	- 3597253353E-01	23427846E-02	-15 355	0000	24253471
MIG1	7107319106E-01	20496126E-02	34.676	0000	14253423
REG1	- 1582634763	24024163E-02	-65 877	0000	92428185
MRS1	- 1816053431E-01	22073564E-02	-8 227	0000	75159790
ED2	4065867461E-01	71602497E-02	5 678	0000	30260329E-01
ED3	6043891516E-01	50151627E-02	12 051	0000	52913735
ED4	1278958603	53544272E-02	23 886	0000	18199962
ED5	2598426667	54757621E-02	47 453	0000	99134801E-01
ED6	2883336919	57318549E-02	50 304	0000	65262662E-01
ED7	4178044323	57242997E-02	72 988	0000	50820232E-01
YDEV	9722868132	79060563E-01	12 298	0000	23973382E-01
YDEVA1	2472133540	13636169	1 813	0698	77836184E-04
YDEVA2	2612490501	50851823E-01	5 137	0000	10587253E-02
YDEVA3	2054990589	38354529E-01	5 358	0000	18458839E-02
YDEVA5	- 1352783277	32428019E-01	-4 172	0000	63451746E-02
YDEVMI1	- 1235930745E-01	28529102E-01	- 433	6649	32157150E-02
YDEVRE1	- 3366766256	33154717E-01	-10 155	0000	25748367E-01
YDEVMR1	- 9818458545E-01	30372304E-01	-3 233	.0012	.18933674E-01
YDEVE2	- 5138373025E-01	10090853	- 509	.6106	.68985038E-03
YDEVE3	- 2267441793	70364939E-01	-3 222	0013	12691166E-01
YDEVE4	- 2890786564	74429394E-01	-3 884	0001	40379606E-02
YDEVE5	- 4717937443	76153103E-01	-6 195	0000	25816457E-02
YDEVE6	- 4947024345	79886536E-01	-6 193	0000	15854691E-02
YDEVE7	- 6929461341	79773681E-01	-8 686	0000	13111442E-02

```
+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are IND1=1    |
+----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1866518017	65670938E-02	-28 422	0000	
AGEX1	- 2561590031	10359132E-01	-24 728	0000	.50618011E-02
AGEX2	- 1249762884	42387947E-02	-29 484	0000	56888366E-01
AGEX3	- 6983849917E-01	32414788E-02	-21 545	0000	10843241
AGEX5	- 4165229033E-01	27194637E-02	-15 316	0000	15192466
MIG1	8229504285E-01	23862395E-02	34 487	0000	23059839
REG1	- 1832519319	27929623E-02	-65 612	0000	87048067·
MRS1	- 2102792807E-01	25560932E-02	-8 227	0000	.71540122
ED2	.4707833318E-01	82922659E-02	5 677	0000	15193251E-01
ED3	6998170532E-01	.58115210E-02	12 042	0000	31917599
ED4	1480895278	62162948E-02	23 823	0000	16182853
ED5	.3008696116	63867640E-02	47 108	0000	16733765
ED6	3338591271	66877966E-02	49 921	0000	12457524
ED7	4837721953	67576832E-02	71 588	0000	19389445
YDEV	1 125802624	91537570E-01	12 299	0000	30072729E-01
YDEVA1	2862462379	15789324	1 813	0698	12379125E-03
YDEVA2	3024980510	58880235E-01	5 138	0000	15972564E-02
YDEVA3	2379456109	44409661E-01	5.358	0000	31671383E-02
YDEVA5	- 1566376240	37553719E-01	-4 171	0000	46037426E-02
YDEVMI1	- 1431073688E-01	33033108E-01	- 433	.6649	69385701E-02
YDEVRE1	- 3898349985	38405177E-01	-10.151	.0000	31399682E-01
YDEVMR1	- 1136870956	35168908E-01	-3 233	.0012	.21840153E-01
YDEVE2	- 5949678381E-01	11684071	- 509	.6106	.46242182E-03
YDEVE3	- 2625451549	81471377E-01	-3 223	0013	.97295193E-02
YDEVE4	- 3347217152	86173950E-01	-3 884	0001	52323061E-02
YDEVE5	- 5462859600	88162709E-01	-6 196	0000	50890657E-02
YDEVE6	- 5728117373	92485613E-01	-6 194	0000	34768499E-02
YDEVE7	- 8023564293	92330325E-01	-8 690	0000	55496731E-02

```
+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs.  |
+----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.1659487029	58140472E-02	-28.543	0000	
AGEX1	-.2277462843	91924958E-02	-24.775	0000	12448330E-01
AGEX2	- 1111141321	37569553E-02	-29 576	0000	87899610E-01
AGEX3	- 6209213220E-01	28743521E-02	-21 602	0000	13882535
AGEX5	- 3703228947E-01	24178556E-02	-15 316	0000	17727253
MIG1	7316701735E-01	21155889E-02	34 585	.0000	18542572
REG1	- 1629259408	24875497E-02	-65 497	.0000	.88808361
MRS1	- 1869554623E-01	22723071E-02	-8 228	.0000	.70318796
ED2	4185648493E-01	73718020E-02	5 678	0000	.25701898E-01
ED3	6221945417E-01	51645838E-02	12 047	0000	.47711527
ED4	1316636905	55168133E-02	23 866	0000	.23179620
ED5	2674976685	56377883E-02	47.447	0000	.10004324
ED6	2968280433	58987447E-02	50 321	.0000	65154944E-01
ED7	4301130102	59098741E-02	72 779	0000	66165714E-01
YDEV	1 000930521	81430486E-01	12 292	0000	.15258715E-01
YDEVA1	2544962945	14037608	1 813	0698	-.35397354E-04
YDEVA2	2689454842	.52351002E-01	5 137	0000	80249769E-03
YDEVA3	2115530904	39488619E-01	5 357	0000	21438333E-02
YDEVA5	- 1392636465	33388202E-01	-4 171	0000	27313186E-02
YDEVMI1	- 1272341440E-01	29369035E-01	- 433	6649	32463278E-02
YDEVRE1	- 3465951667	34218365E-01	-10 129	0000	13538450E-01
YDEVMR1	- 1010771173	31266901E-01	-3 233	0012	11444097E-01
YDEVE2	- 5289750223E-01	10388094	- 509	6106	27956217E-03
YDEVE3	- 2334240950	72432509E-01	-3 223	0013	68144708E-02
YDEVE4	- 2975949546	76613271E-01	-3 884	0001	.37865028E-02

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE5	- 4856928550	78385032E-01	-6 196	0000	18128401E-02
YDEVE6	- 5092764384	82232620E-01	-6 193	0000	10601550E-02
YDEVE7	- 7133604255	82113871E-01	-8 687	0000	10685794E-02

Marginal Effects for Probit

Variable	IND1=0	IND1=1	All Obs
ONE	- 1612	-.1867	- 1659
AGEX1	-.2212	-.2562	- 2277
AGEX2	-.1079	-.1250	- 1111
AGEX3	-.0603	-.0698	-.0621
AGEX5	-.0360	-.0417	-.0370
MIG1	.0711	.0823	.0732
REG1	- 1583	- 1833	-.1629
MRS1	- 0182	- 0210	- 0187
ED2	0407	0471	0419
ED3	0604	0700	0622
ED4	.1279	1481	1317
ED5	2598	3009	2675
ED6	2883	3339	2968
ED7	4178	4838	4301
YDEV	9723	1 1258	1.0009
YDEVA1	2472	2862	2545
YDEVA2	.2612	3025	2689
YDEVA3	.2055	2379	2116
YDEVA5	- 1353	- 1566	-.1393

Marginal Effects for Probit

Variable	IND1=0	IND1=1	All Obs
YDEVMI1	- 0124	- 0143	-.0127
YDEVRE1	- 3367	- 3898	-.3466
YDEVMR1	- 0982	- 1137	-.1011
YDEVE2	- 0514	- 0595	- 0529
YDEVE3	- 2267	- 2625	-.2334
YDEVE4	- 2891	- 3347	- 2976
YDEVE5	- 4718	- 5463	- 4857
YDEVE6	- 4947	- 5728	- 5093
YDEVE7	- 6929	- 8024	- 7134

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****17546		*****
1	9324134184		*****
Total	*****51730		*****

Table C.29 :Estimate of Unemployment (Round I, Female)

```
PROBIT;Lhs=UNEM1;Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep var  = UNEM1    Mean=    3985664549E-01, S.D =    1956226167     |
| Model size  Observations =  333209, Parameters =  28, Deg Fr = 333181 |
| Residuals   Sum of squares= 12556 65545    , Std.Dev.=         .19413 |
| Fit         R-squared=   015263, Adjusted R-squared =          01518 |
| Model test  F[ 27, 333181] =  191 26,    Prob value =          00000 |
| Diagnostic  Log-L =  73412 9369, Restricted(b=0) Log-L =  70850.5134 |
|             LogAmemiyaPrCrt.=   -3 278, Akaike Info  Crt.=     - 440 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	1403818402E-01	18344136E-02	7 653	0000	
AGEX1	2365905774E-01	33088023E-02	7 150	0000	11760853E-01
AGEX2	3800162809E-01	14824429E-02	25 634	0000	91464995E-01
AGEX3	2116101619E-01	11651617E-02	18 161	0000	14010471
AGEX5	- 1300197645E-01	10184347E-02	-12 767	0000	15463893
MIG1	3149420194E-01	99725145E-03	31 581	0000	14614051
REG1	2736388572E-01	10734083E-02	25 493	0000	88115046
MRS1	1322412392E-02	80383794E-03	1 645	0999	66525289
ED2	- 3357602770E-02	24155135E-02	-1 390	1645	29417896E-01
ED3	- 8137700619E-02	14759820E-02	-5 513	0000	48263227
ED4	- 2354551760E-02	17124474E-02	-1 375	.1691	22550118
ED5	- 1461476942E-01	19793040E-02	-7 384	.0000	67066452E-01
ED6	- 1241368882E-01	20795637E-02	-5 969	0000	.53272401E-01
ED7	- 1167464881E-01	18806356E-02	-6 208	0000	.80264987E-01
YDEV	1357677548E-01	24602736E-01	552	5811	.10848457E-01
YDEVA1	- 3398865900E-02	53254299E-01	- 064	9491	70642998E-04
YDEVA2	- 8299548642E-01	20361989E-01	-4 076	0000	13168466E-02
YDEVA3	- 5765472876E-01	15445950E-01	-3 733	0002	17975932E-02
YDEVA5	4772754144E-01	13496779E-01	3 536	0004	14714096E-02
YDEVMI1	- 1330237217	13224630E-01	-10 059	0000	15495560E-02
YDEVRE1	- 6738284162E-01	13886724E-01	-4 852	0000	97456745E-02
YDEVMR1	- 1702230894E-01	10687873E-01	-1 593	1112	.72311325E-02
YDEVE2	- 3680053141E-01	33354460E-01	-1 103	.2699	.35040594E-03
YDEVE3	- 3432438176E-01	20213388E-01	-1 698	.0895	.57673835E-02
YDEVE4	- 3490352204E-01	22967314E-01	-1 520	.1286	.30012072E-02
YDEVE5	- 6273519203E-01	.25937768E-01	-2 419	.0156	.29804961E-03
YDEVE6	- 4223486211E-01	27583138E-01	-1 531	.1257	.29314961E-03
YDEVE7	- 5049669862E-01	24976862E-01	-2 022	.0432	.39086075E-03

```
Normal exit from iterations. Exit status=0
```

```
+-----------------------------------------------+
| Binomial Probit Model                         |
| Maximum Likelihood Estimates                  |
| Dependent variable                  UNEM1     |
| Weighting variable                  WTPOP     |
| Number of observations              333209    |
| Iterations completed                     7    |
| Log likelihood function          -53444 43    |
| Results retained for SELECTION model          |
+-----------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-2.173840899	24916082E-01	-87 246	.0000	
AGEX1	2547347325	33928920E-01	7 508	.0000	11760853E-01
AGEX2	3523270956	15640778E-01	22 526	0000	91464995E-01
AGEX3	2269263231	12864996E-01	17 639	0000	14010471
AGEX5	- 2131407940	14398051E-01	-14 803	.0000	15463893
MIG1	2856323289	10229771E-01	27 922	0000	14614051
REG1	4469891812	17152619E-01	26 060	0000	88115046
MRS1	1149037970E-01	97327313E-02	1 181	2378	.66525289

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
ED2	- 5027381895E-01	.29658850E-01	-1 695	.0901	29417896E-01
ED3	- 1126733238	17931253E-01	-6 284	0000	48263227
ED4	- 6643599579E-01	20059214E-01	-3 312	0009	22550118
ED5	- 1971145192	23970657E-01	-8.223	0000	67066452E-01
ED6	- 1673856846	25434638E-01	-6 581	0000	53272401E-01
ED7	- 1856658377	23899523E-01	-7.769	.0000	80264987E-01
YDEV	- 6437399897	33792907	-1 905	0568	10848457E-01
YDEVA1	.4001933853	55401475	.722	.4701	70642998E-04
YDEVA2	5025368804E-01	21528422	233	8154	13168466E-02
YDEVA3	1851045094E-01	17197476	108	.9143	.17975932E-02
YDEVA5	4624755313	19390164	2.385	.0171	.14714096E-02
YDEVMI1	- 4961114961	13829014	-3 587	0003	15495560E-02
YDEVRE1	.2003656383E-01	.22505217	089	.9291	97456745E-02
YDEVMR1	-.1787111686	.13130090	-1 361	.1735	.72311325E-02
YDEVE2	-.4494531811	.41582641	-1 081	.2798	.35040594E-03
YDEVE3	-.6215299445	.25027308	-2 483	.0130	.57673835E-02
YDEVE4	- 5779073051	.27437169	-2 106	0352	.30012072E-02
YDEVE5	-1 209776817	31743640	-3 811	0001	29804961E-03
YDEVE6	- 8767784000	33816718	-2.593	0095	29314961E-03
YDEVE7	-1 173915606	31811130	-3.690	0002	39086075E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are UNEM1=0

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1565928429	20587744E-02	-76 061	0000	
AGEX1	1834984150E-01	24371214E-02	7 529	0000	82719820E-02
AGEX2	2537991698E-01	11064312E-02	22 939	.0000	61762895E-01
AGEX3	1634666000E-01	90920165E-03	17 979	0000	10925948
AGEX5	-.1535361805E-01	10263234E-02	-14 960	.0000	.17104404
MIG1	.2057555289E-01	74648257E-03	27 563	.0000	.15571318
REG1	.3219890962E-01	.12408019E-02	25.950	.0000	89665748
MRS1	8277106316E-03	.70075896E-03	1.181	2375	65385794
ED2	- 3621479491E-02	.21363037E-02	-1.695	0900	28229338E-01
ED3	- 8116433958E-02	.12906462E-02	-6.289	.0000	45512303
ED4	- 4785723488E-02	.14429677E-02	-3 317	0009	16919035
ED5	- 1419916377E-01	17140545E-02	-8 284	0000	83335654E-01
ED6	- 1205764425E-01	18206573E-02	-6 623	0000	72637472E-01
ED7	- 1337445687E-01	.16999300E-02	-7 868	0000	13243527
YDEV	- 4637187345E-01	24381182E-01	-1 902	0572	17278473E-01
YDEVA1	2882796986E-01	39905336E-01	722	4700	12246773E-03
YDEVA2	3620029359E-02	15506370E-01	233	8154	13202811E-02
YDEVA3	1333402153E-02	12387532E-01	108	9143	21043025E-02
YDEVA5	3331447037E-01	13974150E-01	2 384	0171	27905731E-02
YDEVMI1	- 3573744040E-01	99701010E-02	-3 584	0003	25599123E-02
YDEVRE1	1443335846E-02	16213971E-01	089	9291	20141830E-01
YDEVMR1	- 1287347660E-01	94612325E-02	-1 361	1736	11112155E-01
YDEVE2	- 3237640409E-01	29953342E-01	-1 081	2797	57521376E-03
YDEVE3	- 4477197066E-01	18025862E-01	-2 484	0130	84407175E-02
YDEVE4	- 4162960954E-01	19759625E-01	-2 107	0351	31221901E-02
YDEVE5	- 8714639199E-01	22834284E-01	-3 816	0001	11501178E-02
YDEVE6	- 6315881825E-01	24333808E-01	-2 596	0094	.10605003E-02
YDEVE7	- 8456312610E-01	22853180E-01	-3 700	0002	17885990E-02

| Partial derivatives of E[y] = F[*] with respect to the vector of characteristics |
| They are computed at the means of the Xs |
| Observations used for means are UNEM1=1 |

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1997696790	25297338E-02	-78 969	0000	
AGEX1	2340938371E-01	31212464E-02	7 500	.0000	14697120E-01
AGEX2	3237783907E-01	14502126E-02	22 326	.0000	13128103
AGEX3	2085387147E-01	11898387E-02	17 527	.0000	19394240
AGEX5	- 1958702130E-01	13344949E-02	-14 677	0000	90566038E-01
MIG1	2624878328E-01	97014448E-03	27 057	0000	24657398
REG1	4107701040E-01	16118298E-02	25 485	0000	93674280
MRS1	1055932596E-02	89424977E-03	1 181	2377	62373386
ED2	- 4620018271E-02	27258167E-02	-1 695	0901	25223436E-01
ED3	- 1035435194E-01	16493143E-02	-6 278	0000	40377358
ED4	- 6105275485E-02	18447637E-02	-3 310	0009	25968222
ED5	- 1811425309E-01	22017450E-02	-8 227	0000	81529295E-01
ED6	- 1538225935E-01	23309682E-02	-6 599	0000	76464747E-01
ED7	- 1706215243E-01	21887366E-02	-7 795	0000	96127110E-01
YDEV	- 5915783953E-01	31089216E-01	-1 903	0571	23562661E-02
YDEVA1	3677661237E-01	50916961E-01	722	4701	15050645E-03
YDEVA2	4618168298E-02	19784340E-01	233	8154	91550149E-03
YDEVA3	1701056799E-02	15804033E-01	108	9143	19111221E-03
YDEVA5	4250016110E-01	17826714E-01	2 384	0171	12458491E-02
YDEVMI1	- 4559120878E-01	.12722560E-01	-3.583	0003	- 13606157E-02
YDEVRE1	1841302152E-02	.20683431E-01	.089	9291	48871797E-02
YDEVMR1	- 1642303850E-01	.12066332E-01	-1 361	1735	17172294E-02
YDEVE2	- 4130344486E-01	.38214205E-01	-1 081	2798	27355511E-03
YDEVE3	- 5711680074E-01	23004543E-01	-2 483	0130	25726812E-02
YDEVE4	- 5310800660E-01	.25221919E-01	-2 106	0352	11491261E-02
YDEVE5	- 1111749837	29183449E-01	-3 810	0001	- 95569017E-03
YDEVE6	- 8057339411E-01	31083244E-01	-2 592	0095	- 87694141E-03
YDEVE7	- 1078794423	29220960E-01	-3 692	0002	- 69975174E-03

| Partial derivatives of E[y] = F[*] with respect to the vector of characteristics |
| They are computed at the means of the Xs |
| Observations used for means are All Obs. |

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1658223534	19772625E-02	-83 865	0000	
AGEX1	1943137277E-01	.25868820E-02	7 512	0000	11760853E-01
AGEX2	2687579767E-01	11911503E-02	22 563	0000	91464995E-01
AGEX3	1731012466E-01	97846232E-03	17 691	0000	14010471
AGEX5	- 1625855327E-01	10910173E-02	-14 902	0000	15463893
MIG1	2178826657E-01	77881807E-03	27 976	0000	.14614051
REG1	3409669862E-01	12747870E-02	26 747	0000	.88115046
MRS1	8764955176E-03	74243339E-03	1 181	2378	.66525289
ED2	- 3834927835E-02	22622619E-02	-1 695	0900	.29417896E-01
ED3	- 8594812862E-02	13667504E-02	-6.289	0000	.48263227
ED4	- 5067791842E-02	15294105E-02	-3 314	0009	.22550118
ED5	- 1503605599E-01	18260191E-02	-8 234	0000	.67066452E-01
ED6	- 1276831629E-01	.19385488E-02	-6 587	0000	.53272401E-01
ED7	- 1416274124E-01	18197131E-02	-7 783	0000	.80264987E-01
YDEV	- 4910501046E-01	25763569E-01	-1 906	0567	.10848457E-01
YDEVA1	3052707721E-01	42259244E-01	722	4701	70642998E-04
YDEVA2	3833392233E-02	16421373E-01	233	8154	.13168466E-02
YDEVA3	1411992266E-02	13118107E-01	108	9143	17975932E-02
YDEVA5	3527801001E-01	14792955E-01	2 385	0171	14714096E-02
YDEVMI1	- 3784378878E-01	10557952E-01	-3 584	0003	15495560E-02
YDEVRE1	1528405400E-02	17166529E-01	089	9291	.97456745E-02
YDEVMR1	- 1363223342E-01	.10015541E-01	-1 361	1735	.72311325E-02
YDEVE2	- 3428465454E-01	31718900E-01	-1 081	2797	.35040594E-03
YDEVE3	- 4741081013E-01	19087014E-01	-2 484	0130	57673835E-02
YDEVE4	- 4408323968E-01	20925777E-01	-2 107	0351	30012072E-02

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE5	-.9228276047E-01	24201846E-01	-3 813	0001	29804961E-03
YDEVE6	- 6688137011E-01	25789184E-01	-2 593	0095	29314961E-03
YDEVE7	- 8954723807E-01	.24249267E-01	-3 693	0002	39086075E-03

Marginal Effects for Probit			
Variable	UNEM1=0	UNEM1=1	All Obs
ONE	- 1566	- 1998	- 1658
AGEX1	0183	0234	0194
AGEX2	0254	0324	0269
AGEX3	0163	0209	.0173
AGEX5	- 0154	- 0196	-.0163
MIG1	0206	0262	0218
REG1	.0322	.0411	0341
MRS1	.0008	.0011	.0009
ED2	- 0036	-.0046	- 0038
ED3	-.0081	-.0104	- 0086
ED4	-.0048	-.0061	- 0051
ED5	- 0142	- 0181	-.0150
ED6	-.0121	- 0154	-.0128
ED7	- 0134	- 0171	-.0142
YDEV	- 0464	- 0592	-.0491
YDEVA1	.0288	0368	0305
YDEVA2	0036	0046	0038
YDEVA3	0013	.0017	0014
YDEVA5	0333	0425	0353

Marginal Effects for Probit			
Variable	UNEM1=0	UNEM1=1	All Obs
YDEVMI1	- 0357	- 0456	- 0378
YDEVRE1	.0014	0018	0015
YDEVMR1	- 0129	- 0164	-.0136
YDEVE2	-.0324	-.0413	- 0343
YDEVE3	- 0448	-.0571	- 0474
YDEVE4	-.0416	-.0531	- 0441
YDEVE5	-.0871	-.1112	-.0923
YDEVE6	-.0632	- 0806	- 0669
YDEVE7	- 0846	- 1079	- 0895

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****	0	*****
1	10070	0	10070
Total	*****	0	*****

Table C.30 : Estimate of Unemployment (Round I, Male)

```
PROBIT,Lhs=UNEM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
    ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
    ,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills);Prob=prob,Margin=
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = UNEM1    Mean=    3110021842E-01, S D =    .1735888180    |
| Model size  Observations =  363551, Parameters =  28, Deg Fr = 363523 |
| Residuals   Sum of squares= 10558 13521    , Std.Dev.=         .17042 |
| Fit·        R-squared=   036216, Adjusted R-squared =          03614 |
| Model test  F[ 27, 363523] =  505.93,    Prob value =          00000 |
| Diagnostic  Log-L = 127451 1314, Restricted(b=0) Log-L =  120745 7271 |
|             LogAmemiyaPrCrt =   -3 539, Akaike Info  Crt =      - 701 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Constant	3195408992E-01	19334543E-02	16 527	0000	
AGEX1	- 4930353017E-02	30913340E-02	-1 595	1107	92988730E-02
AGEX2	3487008457E-01	13199074E-02	26 419	0000	83022861E-01
AGEX3	2923100110E-01	10112853E-02	28 905	0000	13954532
AGEX5	- 5350591077E-02	81167534E-03	-6 592	0000	17686158
MIG1	3102072229E-01	74924212E-03	41.403	0000	18788044
REG1	1474506387E-01	90878042E-03	16 225	0000	88414669
MRS1	- 3220097148E-01	79799736E-03	-40.352	.0000	70372754
ED2	- 5895462391E-02	23805938E-02	-2.476	.0133	26187999E-01
ED3	- 4534320248E-02	16508396E-02	-2.747	0060	.46516301
ED4	4082280199E-02	17825154E-02	2.290	0220	23194727
ED5	- 1533802374E-02	18531195E-02	- 828	4078	10513092
ED6	9359297233E-03	19636751E-02	477	.6336	.68761634E-01
ED7	-.2322166937E-02	19495663E-02	-1.191	2336	70145852E-01
YDEV	- 5374278481E-01	25943780E-01	-2 072	0383	10873790E-01
YDEVA1	8211572615E-01	48671034E-01	1 687	0916	39296048E-04
YDEVA2	- 1423902155	17937411E-01	-7 938	0000	98160074E-03
YDEVA3	- 8522076619E-01	13374436E-01	-6 372	0000	16763717E-02
YDEVA5	4366470356E-03	10724159E-01	041	9675	18267645E-02
YDEVMI1	- 1525381301	99249593E-02	-15 369	0000	17960869E-02
YDEVRE1	- 8497450596E-01	11785840E-01	-7 210	0000	98095610E-02
YDEVMR1	1074061647	10502244E-01	10 227	0000	77019209E-02
YDEVE2	- 1774444560E-01	32572956E-01	- 545	.5859	34447288E-03
YDEVE3	- 9158967209E-02	22475252E-01	- 408	.6836	.59102521E-02
YDEVE4	- 7878435083E-01	.24018318E-01	-3 280	.0010	27180690E-02
YDEVE5	- 2705403760E-01	24817029E-01	-1 090	.2757	.64123055E-03
YDEVE6	- 2305568791E-01	26285201E-01	- 877	3804	.45787130E-03
YDEVE7	- 4311632343E-01	26042222E-01	-1 656	0978	.41667574E-03

```
Normal exit from iterations  Exit status=0
```

```
+---------------------------------------------+
| Binomial Probit Model                       |
| Maximum Likelihood Estimates                |
| Dependent variable                  UNEM1   |
| Weighting variable                  WTPOP   |
| Number of observations             363551   |
| Iterations completed                    8   |
| Log likelihood function        -44822.98    |
| Results retained for SELECTION model.       |
+---------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-1 960961771	32988767E-01	-59 443	0000	
AGEX1	4039296867E-02	39467896E-01	.102	9185	92988730E-02
AGEX2	2938845566	15852994E-01	18.538	0000	83022861E-01
AGEX3	2890607461	12922309E-01	22.369	0000	13954532
AGEX5	- 2718576775	19114830E-01	-14.222	0000	17686158
MIG1	3609183614	97442455E-02	37 039	0000	18788044
REG1	2574100846	16449085E-01	15 649	0000	88414669
MRS1	- 4320696715	11131675E-01	-38 814	0000	70372754

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
ED2	- 1217961421	42677130E-01	-2 854	.0043	26187999E-01
ED3	- 1238194095	28946981E-01	-4 277	0000	46516301
ED4	- 5517135663E-03	29568581E-01	- 019	9851	23194727
ED5	-.4869145073E-01	30886429E-01	-1 576	.1149	.10513092
ED6	-.2202158713E-01	32127793E-01	- 685	.4931	.68761634E-01
ED7	-.8950196679E-01	33411349E-01	-2 679	0074	.70145852E-01
YDEV	-.3751199379E-01	.44893607	-.084	9334	10873790E-01
YDEVA1	6721156678	.63239181	1.063	2879	39296048E-04
YDEVA2	-.2160907521	.21431765	-1.008	3133	98160074E-03
YDEVA3	1409712294	17001677	829	.4070	16763717E-02
YDEVA5	- 7192448591	25265496	-2 847	0044	.18267645E-02
YDEVMI1	- 5137892452	13053873	-3 936	0001	17960869E-02
YDEVRE1	-.8698837932	21481849	-4 049	0001	98095610E-02
YDEVMR1	- 5552300113E-01	14736164	- 377	7063	77019209E-02
YDEVE2	-1.032693512	59226170	-1 744	0812	34447288E-03
YDEVE3	-.6919574615	40079395	-1 726	0843	59102521E-02
YDEVE4	-1 292642749	40699322	-3 176	0015	27180690E-02
YDEVE5	- 9140546750	42131523	-2 170	.0300	64123055E-03
YDEVE6	- 8967981327	43733508	-2 051	0403	45787130E-03
YDEVE7	-1 354828001	45019962	-3 009	0026	41667574E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are UNEM1=0

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.8380510898E-01	17426020E-02	-48 092	0000	
AGEX1	1726263710E-03	16866810E-02	102	9185	70443759E-02
AGEX2	1255966723E-01	68200301E-03	18 416	0000	56777501E-01
AGEX3	1235351331E-01	55210171E-03	22 375	0000	97032687E-01
AGEX5	- 1161831028E-01	78306918E-03	-14 837	.0000	.20685566
MIG1	1542447337E-01	43205322E-03	35 700	0000	.17771769
REG1	1100086728E-01	71331107E-03	15 422	.0000	.89595674
MRS1	- 1846524825E-01	48584851E-03	-38 006	.0000	74448435
ED2	- 5205169787E-02	18235574E-02	-2 854	.0043	24853888E-01
ED3	- 5291637634E-02	12363858E-02	-4 280	0000	44185503
ED4	-.2357843801E-04	12636523E-02	- 019	9851	17212951
ED5	- 2080913762E-02	13182608E-02	-1.579	1144	12837044
ED6	- 9411307947E-03	13721384E-02	- 686	4928	90689650E-01
ED7	- 3825022085E-02	.14226030E-02	-2 689	0072	10874139
YDEV	- 1603140242E-02	.19187738E-01	- 084	9334	17437316E-01
YDEVA1	2872403105E-01	27027327E-01	1 063	2879	10309660E-03
YDEVA2	- 9235013810E-02	91636720E-02	-1 008	3136	11083304E-02
YDEVA3	6024650465E-02	72619553E-02	830	4068	17894565E-02
YDEVA5	- 3073817894E-01	10739451E-01	-2 862	0042	35907018E-02
YDEVMI1	- 2195767624E-01	56017727E-02	-3 920	0001	28946180E-02
YDEVRE1	- 3717599557E-01	91075639E-02	-4 082	0000	20386923E-01
YDEVMR1	- 2372871940E-02	62953466E-02	- 377	7062	12914988E-01
YDEVE2	- 4413395184E-01	25304617E-01	-1 744	0811	51365696E-03
YDEVE3	- 2957200458E-01	17123635E-01	-1 727	0842	83370355E-02
YDEVE4	- 5524333422E-01	17387422E-01	-3 177	0015	30520785E-02
YDEVE5	- 3906371496E-01	17992135E-01	-2 171	0299	19234208E-02
YDEVE6	- 3832622663E-01	18674782E-01	-2 052	0401	13390787E-02
YDEVE7	- 5790092899E-01	19200433E-01	-3 016	0026	16290270E-02

```
+-----------------------------------------+
' Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics |
| They are computed at the means of the Xs |
| Observations used for means are UNEM1=1  |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1875859450	32991807E-02	-56 858	0000	
AGEX1	3863998427E-03	37754841E-02	.102	9185	14795679E-01
AGEX2	2811304794E-01	15267979E-02	18.413	0000	19163927
AGEX3	2765160139E-01	12424507E-02	22.256	0000	.26373884
AGEX5	- 2600595284E-01	18409352E-02	-14.126	0000	.55659934E-01
MIG1	3452551340E-01	97625565E-03	35.365	0000	32198215
REG1	2462389358E-01	15886668E-02	15 500	0000	91369187
MRS1	- 4133186012E-01	11581564E-02	-35 688	0000	37916862
ED2	- 1165104019E-01	40831534E-02	-2 853	0043	16791921E-01
ED3	- 1184458630E-01	27705002E-02	-4 275	0000	24565524
ED4	- 5277701597E-04	28285358E-02	- 019	9851	34581963
ED5	- 4657832668E-02	29534330E-02	-1 577	1148	15100986
ED6	- 2106588866E-02	30721619E-02	- 686	4929	12388445
ED7	- 8561773752E-02	31918962E-02	-2 682	0073	94880225E-01
YDEV	- 3588403868E-02	42946954E-01	- 084	9334	- 83806130E-02
YDEVA1	6429470200E-01	.60499889E-01	1 063	2879	29473931E-05
YDEVA2	-.2067127903E-01	.20503072E-01	-1 008	3134	- 54274307E-03
YDEVA3	1348533239E-01	.16262943E-01	829	4070	- 15627290E-02
YDEVA5	-.6880308865E-01	.24169543E-01	-2 847	0044	- 75712776E-03
YDEVMI1	- 4914916880E-01	.12510521E-01	-3 929	0001	-.48697158E-02
YDEVRE1	- 8321323536E-01	.20459473E-01	-4 067	0000	- 50417097E-02
YDEVMR1	- 5311339971E-02	14097009E-01	- 377	7063	- 50445162E-02
YDEVE2	- 9878764150E-01	.56662158E-01	-1 743	0813	-.84781588E-05
YDEVE3	- 6619277144E-01	38349173E-01	-1 726	0843	- 13424847E-02
YDEVE4	- 1236544308	38955563E-01	-3 174	0015	- 21288985E-02
YDEVE5	- 8743862961E-01	40312241E-01	-2 169	0301	- 20091005E-02
YDEVE6	- 8578786577E-01	41836475E-01	-2 051	0403	- 10738375E-02
YDEVE7	- 1296030828	43080462E-01	-3 008	0026	- 20177666E-02

```
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics. |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs.  |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.9610546937E-01	18426460E-02	-52.156	.0000	
AGEX1	1979633296E-03	19342843E-02	102	9185	.92988730E-02
AGEX2	1440309224E-01	78549041E-03	18 336	0000	83022861E-01
AGEX3	1416668040E-01	.64057440E-03	22.116	0000	13954532
AGEX5	- 1332356912E-01	91166751E-03	-14.615	.0000	17686158
MIG1	.1768837570E-01	48382223E-03	36.560	.0000	.18788044
REG1	.1261550193E-01	.80327677E-03	15.705	0000	88414669
MRS1	- 2117545543E-01	.54523765E-03	-38.837	0000	.70372754
ED2	- 5969150230E-02	20907579E-02	-2.855	0043	26187999E-01
ED3	- 6068309256E-02	14169827E-02	-4.283	0000	46516301
ED4	- 2703912542E-04	14491302E-02	-.019	9851	23194727
ED5	- 2386336540E-02	15132769E-02	-1.577	1148	10513092
ED6	- 1079263757E-02	.15743352E-02	-.686	4930	68761634E-01
ED7	- 4386433564E-02	16363357E-02	-2 681	0073	70145852E-01
YDEV	-.1838438579E-02	22002265E-01	- 084	9334	10873790E-01
YDEVA1	3293995462E-01	30994039E-01	1 063	2879	39296048E-04
YDEVA2	- 1059046814E-01	10505857E-01	-1 008	3134	98160074E-03
YDEVA3	6908908870E-02	83306262E-02	829	4069	16763717E-02
YDEVA5	- 3524972583E-01	12341041E-01	-2 856	0043	18267645E-02
YDEVMI1	- 2518047894E-01	64155100E-02	-3 925	0001	17960869E-02
YDEVRE1	- 4263244266E-01	10537655E-01	-4 046	0001	.98095610E-02
YDEVMR1	- 2721146411E-02	72199627E-02	- 377	7063	.77019209E-02
YDEVE2	- 5061164181E-01	29018547E-01	-1 744	0811	34447288E-03
YDEVE3	- 3391238811E-01	19634859E-01	-1 727	0841	59102521E-02

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE4	- 6335158596E-01	19938754E-01	-3 177	0015	27180690E-02
YDEVE5	- 4479722904E-01	.20641406E-01	-2.170	0300	64123055E-03
YDEVE6	- 4395149705E-01	.21426311E-01	-2 051	0402	45..7130E-03
YDEVE7	- 6639924494E-01	22049904E-01	-3 011	0026	41667574E-03

Marginal Effects for Probit			
Variable	UNEM1=0	UNEM1=1	All Obs
ONE	-.0838	- 1876	-.0961
AGEX1	0002	0004	.0002
AGEX2	0126	0281	.0144
AGEX3	0124	0277	0142
AGEX5	- 0116	- 0260	- 0133
MIG1	0154	0345	0177
REG1	.0110	0246	0126
MRS1	- 0185	-.0413	- 0212
ED2	-.0052	-.0117	- 0060
ED3	-.0053	-.0118	-.0061
ED4	0000	- 0001	.0000
ED5	- 0021	- 0047	-.0024
ED6	- 0009	-.0021	- 0011
ED7	- 0038	-.0086	- 0044
YDEV	- 0016	-.0036	- 0018
YDEVA1	0287	0643	0329
YDEVA2	- 0092	-.0207	- 0106
YDEVA3	.0060	0135	0069
YDEVA5	- 0307	-.0688	- 0352

Marginal Effects for Probit			
Variable	UNEM1=0	UNEM1=1	All Obs
YDEVMI1	- 0220	- 0491	- 0252
YDEVRE1	- 0372	- 0832	- 0426
YDEVMR1	- 0024	- 0053	- 0027
YDEVE2	- 0441	- 0988	-.0506
YDEVE3	- 0296	- 0662	- 0339
YDEVE4	- 0552	-.1237	- 0634
YDEVE5	-.0391	- 0874	-.0448
YDEVE6	- 0383	- 0858	- 0440
YDEVE7	- 0579	- 1296	- 0664

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****	0	*****
1	8516	0	8516
Total	*****	0	*****

Table C.31: Estimate of Unemployment (Round III, Female)

```
PROBIT,Lhs=UNEM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
      ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
      ,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = UNEM1    Mean=    1922505221E-01, S D =    1373153573     |
| Model size. Observations =  326341, Parameters =  28, Deg Fr = 326313 |
| Residuals.  Sum of squares= 6100 814619    , Std.Dev.=          13673 |
| Fit         R-squared=   008531, Adjusted R-squared =          00845 |
| Model test  F[ 27, 326313] =  103 99,    Prob value =         .00000 |
| Diagnostic  Log-L = 186282 5310, Restricted(b=0) Log-L =  184884 6108 |
|             LogAmemiyaPrCrt =   -3 979, Akaike Info  Crt =     -1 141 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	9161677124E-02	13339482E-02	6 868	0000	
AGEX1	1649769949E-01	21565032E-02	7 650	0000	14679790E-01
AGEX2	2050643958E-01	10564448E-02	19 411	0000	97892919E-01
AGEX3	1737264793E-01	84315895E-03	20 604	0000	14083925
AGEX5	- 3525214396E-02	73156629E-03	-4 819	0000	15629381
MIG1	1127019719E-01	73105217E-03	15 416	0000	14027832
REG1	5492958727E-02	81197123E-03	6 765	0000	89140319
MRS1	- 8151723803E-03	58813885E-03	-1 386	1657	67006104
ED2	2934928195E-02	17270039E-02	1 699	0892	28790065E-01
ED3	1151582609E-02	10467649E-02	1 100	2713	49736784
ED4	- 4954007115E-02	12355949E-02	-4 009	.0001	22743577
ED5	- 5111463024E-03	14542590E-02	- 351	7252	.62889663E-01
ED6	1366706692E-01	15348724E-02	8.904	0000	48357264E-01
ED7	1646797370E-01	13793228E-02	11.939	0000	72845380E-01
YDEV	- 3668235414E-01	18785715E-01	-1 953	0509	14091768E-01
YDEVA1	2557132664E-01	34258169E-01	746	4554	- 90142056E-04
YDEVA2	- 7610256798E-01	14937329E-01	-5 095	0000	79817470E-03
YDEVA3	- 7948425553E-01	.11724407E-01	-6 779	0000	20194972E-02
YDEVA5	.4339510778E-01	.10214130E-01	4 249	0000	22429657E-02
YDEVMI1	- 2215408962E-01	.10265279E-01	-2 158	0309	21452224E-02
YDEVRE1	- 2099554625E-01	.11190854E-01	-1 876	0606	12470430E-01
YDEVMR1	2447844750E-02	82401079E-02	297	7664	10457388E-01
YDEVE2	- 2142943210E-01	25015903E-01	-.857	.3916	30953349E-03
YDEVE3	- 3004942722E-01	14944073E-01	-2 011	0443	67834920E-02
YDEVE4	- 4133920777E-02	17292855E-01	- 239	8111	32734324E-02
YDEVE5	- 1810071992E-01	19944220E-01	- 908	3641	12146385E-02
YDEVE6	- 9575052169E-01	21342290E-01	-4 486	0000	73290292E-03
YDEVE7	- 1168328042	19255663E-01	-6 067	0000	11046132E-02

```
Normal exit from iterations  Exit status=0
```

```
+-----------------------------------------------+
| Binomial Probit Model                         |
| Maximum Likelihood Estimates                  |
| Dependent variable                    UNEM1   |
| Weighting variable                    WTPOP   |
| Number of observations               326341   |
| Iterations completed                      8   |
| Log likelihood function          -29812.94    |
| Results retained for SELECTION model.         |
+-----------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-2 316860610	31242969E-01	-74 156	0000	
AGEX1	3292595852	41692374E-01	7 897	0000	14679790E-01
AGEX2	3570018623	20661530E-01	17 279	0000	97892919E-01
AGEX3	2877461875	16413389E-01	17 531	0000	14083925
AGEX5	- 8794809121E-01	18191569E-01	-4 835	0000	.15629381
MIG1	1940344763	13512356E-01	14 360	0000	.14027832
REG1	1137344696	18282389E-01	6 221	0000	89140319
MRS1	- 1032501581E-01	12634435E-01	- 817	4138	.67006104

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
ED2	7192313963E-01	39973049E-01	1 799	0720	28790065E-01
ED3	2253481856E-01	25222843E-01	893	3716	49736784
ED4	- 6870242633E-01	28313129E-01	-2 427	0152	22743577
ED5	- 5336666052E-02	32448109E-01	- 164	8694	62889663E-01
ED6	2116324261	32222550E-01	6 568	0000	48357264E-01
ED7	2698055274	30020286E-01	8 987	0000	72845380E-01
YDEV	-1.654427152	45370105	-3 647	0003	14091768E-01
YDEVA1	1.747120679	65666508	2 661	0078	- 90142056E-04
YDEVA2	1680011119	29780808	.564	5727	79817470E-03
YDEVA3	- 7015385897E-01	23496609	-.299	.7653	20194972E-02
YDEVA5	1 040079511	.26030861	3 996	.0001	.22429657E-02
YDEVMI1	.3730511970	19687965	1 895	.0581	.21452224E-02
YDEVRE1	-.1500532631E-02	.26203131	-.006	.9954	.12470430E-01
YDEVMR1	-.2703820980E-01	.18287868	-.148	8825	.10457388E-01
YDEVE2	- 3071787003	.59497583	-.516	6057	30953349E-03
YDEVE3	- 7841947465	.36975506	-2.121	0339	67834920E-02
YDEVE4	- 7203478323	40959563	-1 759	0786	32734324E-02
YDEVE5	- 6453385887	45983302	-1 403	1605	12146385E-02
YDEVE6	- 9521483188	46187056	-2 062	0393	73290292E-03
YDEVE7	-1 087592256	43189218	-2 518	0118	11046132E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs Observations used for means are UNEM1=0

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 9019711946E-01	16024469E-02	-56 287	0000	
AGEX1	1281832235E-01	16149510E-02	7 937	0000	11228950E-01
AGEX2	1389834999E-01	78364106E-03	17 736	0000	65998915E-01
AGEX3	1120217468E-01	.62093119E-03	18.041	0000	10917519
AGEX5	- 3423885087E-02	70612228E-03	-4 849	0000	.17428876
MIG1	7553907546E-02	52998845E-03	14 253	.0000	.14844846
REG1	4427768117E-02	71785529E-03	6 168	0000	90710398
MRS1	- 4019606015E-03	49217696E-03	- 817	4141	65746404
ED2	2800021715E-02	15561384E-02	1 799	0720	27692049E-01
ED3	8772973709E-03	98202317E-03	893	3717	47126362
ED4	- 2674636933E-02	11013030E-02	-2 429	0152	17269264
ED5	- 2077604080E-03	12630005E-02	-.164	8693	78468598E-01
ED6	8239008914E-02	12646228E-02	6 515	0000	67548273E-01
ED7	1050373133E-01	11852423E-02	8 862	0000	12248346
YDEV	- 6440808863E-01	17700062E-01	-3 639	0003	25918328E-01
YDEVA1	6801671707E-01	25532410E-01	2 664	0077	91027751E-04
YDEVA2	6540409162E-02	11584284E-01	565	5724	12854946E-02
YDEVA3	- 2731142293E-02	91518847E-02	- 298	7654	26262481E-02
YDEVA5	4049107464E-01	10140232E-01	3 993	0001	45722989E-02
YDEVMI1	1452316261E-01	76586932E-02	1 896	0579	37646799E-02
YDEVRE1	- 5841685963E-04	10200929E-01	- 006	9954	27452521E-01
YDEVMR1	-.1052617766E-02	71200622E-02	- 148	8825	17792581E-01
YDEVE2	- 1195869696E-01	23163882E-01	- 516	6057	66529563E-03
YDEVE3	- 3052928905E-01	14395782E-01	-2 121	0339	12141661E-01
YDEVE4	- 2804368084E-01	15941182E-01	-1 759	0785	42745375E-02
YDEVE5	- 2512351478E-01	.17890871E-01	-1 404	1602	22573035E-02
YDEVE6	- 3706784746E-01	17971058E-01	-2 063	0391	17259207E-02
YDEVE7	- 4234078142E-01	16798112E-01	-2 521	0117	34127019E-02

| Partial derivatives of E[y] = F[*] with respect to the vector of characteristics |
| They are computed at the means of the Xs |
| Observations used for means are UNEM1=1 |

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1249320265	20466107E-02	-61 043	0000	
AGEX1	1775465778E-01	22530819E-02	7 880	.0000	14200971E-01
AGEX2	1925060401E-01	11335281E-02	16.983	0000	14254898
AGEX3	1551613169E-01	90588201E-03	17 128	0000	23296782
AGEX5	- 4742423096E-02	98528806E-03	-4 813	0000	81071364E-01
MIG1	1046291704E-01	74611233E-03	14 023	0000	25040446
REG1	6132901441E-02	99004623E-03	6 195	0000	88423512
MRS1	- 5567556130E-03	68174732E-03	- 817	4141	55725328
ED2	3878309965E-02	21567691E-02	1 798	0721	25346036E-01
ED3	1215144553E-02	13602482E-02	893	3717	35340644
ED4	- 3704639509E-02	15282566E-02	-2 424	0153	21445263
ED5	- 2877689327E-03	17495163E-02	- 164	8693	.92396189E-01
ED6	1141185092E-01	17552013E-02	6 502	0000	.11073162
ED7	1454871785E-01	16471877E-02	8 832	0000	.16358080
YDEV	- 8921164098E-01	24562948E-01	-3 632	.0003	23885134E-02
YDEVA1	9420995208E-01	35414945E-01	2.660	.0078	-.13814489E-03
YDEVA2	9059120468E-02	.16060716E-01	564	5727	.53140392E-03
YDEVA3	- 3782905081E-02	12669010E-01	- 299	.7652	10357900E-02
YDEVA5	5608418586E-01	14046731E-01	3 993	0001	98473845E-03
YDEVMI1	2011603195E-01	10607149E-01	1 896	0579	15171670E-04
YDEVRE1	- 8091318993E-04	14129352E-01	- 006	9954	54782491E-02
YDEVMR1	- 1457980826E-02	98616012E-02	- 148	8825	18115585E-02
YDEVE2	- 1656399068E-01	32081272E-01	- 516	6056	19645875E-03
YDEVE3	- 4228611704E-01	19939597E-01	-2 121	0339	59674636E-03
YDEVE4	- 3884330120E-01	22091462E-01	-1 758	0787	64414884E-03
YDEVE5	- 3479857932E-01	24795002E-01	-1 403	1605	54348373E-03
YDEVE6	- 5134267403E-01	24908147E-01	-2 061	0393	- 29259392E-03
YDEVE7	- 5864621464E-01	23274016E-01	-2 520	0117	46341902E-03

| Partial derivatives of E[y] = F[*] with respect to the vector of characteristics |
| They are computed at the means of the Xs |
| Observations used for means are All Obs. |

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 9512818458E-01	15211459E-02	-62 537	0000	
AGEX1	1351909842E-01	17087803E-02	7 912	0000	14679790E-01
AGEX2	1465817102E-01	84401126E-03	17 367	0000	97892919E-01
AGEX3	1181459615E-01	67099013E-03	17 608	0000	.14083925
AGEX5	- 3611068451E-02	74615004E-03	-4 840	.0000	.15629381
MIG1	7966878716E-02	55320542E-03	14 401	.0000	.14027832
REG1	4669833640E-02	74964022E-03	6 229	.0000	.89140319
MRS1	- 4239357367E-03	51876599E-03	- 817	.4138	.67006104
ED2	2953098548E-02	16409878E-02	1 800	.0719	.28790065E-01
ED3	.9252591072E-03	10356312E-02	893	.3716	.49736784
ED4	- 2820858996E-02	11625231E-02	-2 426	.0152	.22743577
ED5	- 2191186432E-03	13322888E-02	- 164	.8694	.62889663E-01
ED6	8689434490E-02	13227332E-02	6 569	.0000	48357264E-01
ED7	1107796900E-01	12314154E-02	8 996	0000	72845380E-01
YDEV	- 6792927069E-01	18602929E-01	-3.652	.0003	14091768E-01
YDEVA1	7173518239E-01	26943218E-01	2.662	0078	-.90142056E-04
YDEVA2	6897972504E-02	12223967E-01	.564	5726	79817470E-03
YDEVA3	- 2880453497E-02	96491242E-02	- 299	7653	20194972E-02
YDEVA5	4270471657E-01	10682413E-01	3.998	.0001	22429657E-02
YDEVMI1	1531714207E-01	80772800E-02	1.896	0579	21452224E-02
YDEVRE1	- 6161050196E-04	10758781E-01	-.006	9954	12470430E-01
YDEVMR1	- 1110164246E-02	75088025E-02	-.148	8825	10457388E-01
YDEVE2	- 1261247741E-01	24429514E-01	-.516	6057	30953349E-03
YDEVE3	- 3219832142E-01	15177894E-01	-2.121	0339	67834920E-02

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE4	-.2957682532E-01	16812906E-01	-1 759	0785	.32734324E-02
YDEVE5	- 2649701416E-01	18877987E-01	-1 404	.1604	12146385E-02
YDEVE6	- 3909434199E-01	.18967949E-01	-2 061	0393	73290292E-03
YDEVE7	- 4465554658E-01	17741498E-01	-2 517	0118	11046132E-02

Marginal Effects for Probit

Variable	UNEM1=0	UNEM1=1	All Obs
ONE	- 0902	- 1249	- 0951
AGEX1	0128	0178	0135
AGEX2	.0139	0193	0147
AGEX3	.0112	0155	0118
AGEX5	-.0034	-.0047	- 0036
MIG1	0076	.0105	0080
REG1	0044	.0061	0047
MRS1	-.0004	-.0006	- 0004
ED2	.0028	.0039	0030
ED3	0009	0012	0009
ED4	- 0027	- 0037	-.0028
ED5	- 0002	- 0003	- 0002
ED6	0082	0114	0087
ED7	0105	0145	0111
YDEV	- 0644	- 0892	- 0679
YDEVA1	0680	0942	0717
YDEVA2	0065	0091	.0069
YDEVA3	- 0027	- 0038	- 0029
YDEVA5	0405	0561	0427

Marginal Effects for Probit

Variable	UNEM1=0	UNEM1=1	All Obs
YDEVMI1	.0145	0201	0153
YDEVRE1	- 0001	- 0001	- 0001
YDEVMR1	- 0011	- 0015	- 0011
YDEVE2	-.0120	-.0166	- 0126
YDEVE3	-.0305	-.0423	-.0322
YDEVE4	-.0280	- 0388	- 0296
YDEVE5	- 0251	- 0348	- 0265
YDEVE6	- 0371	- 0513	- 0391
YDEVE7	- 0423	- 0586	- 0447

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****	0	*****
1	5563	0	5563
Total	*****	0	*****

Table C.32 : Estimate of Unemployment (Round III, Male)

```
PROBIT,Lhs=UNEM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
    ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
    ,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = UNEM1    Mean=    1501487574E-01, S D =    1216119759     |
| Model size  Observations =  340585, Parameters =  28, Deg Fr = 340557 |
| Residuals   Sum of squares= 4948 053695    , Std Dev =         .12054 |
| Fit         R-squared=   017670, Adjusted R-squared =         .01759 |
| Model test  F[ 27, 340557] =  226 88,    Prob value =          00000 |
| Diagnostic  Log-L = 237352 5491, Restricted(b=0) Log-L =  234316 6038 |
|             LogAmemiyaPrCrt =   -4 232, Akaike Info  Crt =     -1 394 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	1619981194E-01	14192372E-02	11.414	0000	
AGEX1	1802348003E-02	.19858998E-02	908	.3641	.12614962E-01
AGEX2	1599286403E-01	.96046297E-03	16 651	0000	90064719E-01
AGEX3	1738998270E-01	74982523E-03	23 192	0000	14198906
AGEX5	- 3054339958E-02	60302032E-03	-5 065	0000	17502037
MIG1	1117136281E-01	55825407E-03	20 011	0000	.18757778
REG1	2482425982E-02	68955782E-03	3 600	0003	.88830017
MRS1	- 1601510629E-01	59558260E-03	-26 890	.0000	69736063
ED2	4076329356E-02	17372962E-02	2.346	.0190	.25588783E-01
ED3	2090079804E-02	11943276E-02	1 750	0801	47308797
ED4	- 1399440751E-02	13015108E-02	-1.075	2823	23405660
ED5	6619051128E-02	13595721E-02	4 868	0000	10068999
ED6	1566475864E-01	14448564E-02	10 842	0000	66155904E-01
ED7	1573747596E-01	.14369949E-02	10 952	0000	66738398E-01
YDEV	-.1040106947	20001681E-01	-5 200	0000	14785334E-01
YDEVA1	4374262988E-01	30796853E-01	1 420	1555	- 40883066E-04
YDEVA2	- 9497838753E-02	13510895E-01	- 703	4821	75673176E-03
YDEVA3	- 7574387849E-01	10391121E-01	-7 289	0000	.20381799E-02
YDEVA5	3452883483E-01	83956492E-02	4 113	0000	.26849633E-02
YDEVMI1	- 5908222097E-01	78098980E-02	-7 565	.0000	31293228E-02
YDEVRE1	- 3194402394E-01	94582182E-02	-3 377	.0007	13102162E-01
YDEVMR1	9872829027E-01	82598965E-02	11 953	0000	11179105E-01
YDEVE2	2866641413E-01	.24828318E-01	1.155	2483	27450022E-03
YDEVE3	- 1409249891E-02	17034652E-01	- 083	9341	66259545E-02
YDEVE4	1587155613E-01	18339055E-01	865	3868	36687909E-02
YDEVE5	- 4897320998E-01	19094485E-01	-2 565	0103	17416783E-02
YDEVE6	- 4641823857E-01	20329388E-01	-2 283	0224	10180479E-02
YDEVE7	- 4817256933E-01	.20186086E-01	-2 386	0170	10306674E-02

```
Normal exit from iterations. Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable              UNEM1     |
| Weighting variable              WTPOP     |
| Number of observations          340585    |
| Iterations completed                9     |
| Log likelihood function       -24090 00   |
| Restricted log likelihood     -25385.12   |
| Chi-squared                    2590 234   |
| Degrees of freedom                27      |
| Significance level             0000000    |
| Results retained for SELECTION model      |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Index function for probability					
Constant	-2 321875643	49834489E-01	-46.592	.0000	
AGEX1	9161259819E-01	48574503E-01	1.886	0593	12614962E-01
AGEX2	2948432060	21369265E-01	13 798	0000	90064719E-01
AGEX3	2946912638	17268984E-01	17 065	0000	14198906

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX5	-.2069877595	24866022E-01	-8 324	0000	17502037
MIG1	2445263629	.13162236E-01	18.578	0000	18757778
REG1	5049052079E-01	19103092E-01	2 643	.0082	88830017
MRS1	- 3496250695	14957899E-01	-23 374	0000	69736063
ED2	2105646775	59682790E-01	3 528	0004	25588783E-01
ED3	.8349426544E-01	.46417631E-01	1 799	0721	.47308797
ED4	9408695850E-01	47274403E-01	1.990	.0466	23405660
ED5	2103140941	48464491E-01	4 340	0000	10068999
ED6	3806532631	48882825E-01	7 787	0000	66155904E-01
ED7	4102586848	49286340E-01	8 324	0000	66738398E-01
YDEV	-3.045321442	73898678	-4 121	0000	14785334E-01
YDEVA1	1.314866474	75941087	1 731	0834	- 40883066E-04
YDEVA2	1 152753127	30534180	3 775	0002	75673176E-03
YDEVA3	2430373478	24421419	995	3196	20381799E-02
YDEVA5	1.479327935	35296830	4 191	.0000	26849633E-02
YDEVMI1	- 1960623647	19123344	-1.025	.3052	31293228E-02
YDEVRE1	- 7475779240	27120918	-2 756	0058	.13102162E-01
YDEVMR1	5669790244	.21340524	2 657	0079	11179105E-01
YDEVE2	2 178975802	87642458	2.486	0129	27450022E-03
YDEVE3	4768240867	69413882	687	4921	66259545E-02
YDEVE4	7484699784	70299378	1 065	2870	.36687909E-02
YDEVE5	3429887312E-01	71809976	048	9619	17416783E-02
YDEVE6	1 033418188	72413735	1 427	1536	10180479E-02
YDEVE7	1 108241459	72829434	1 522	1281	10306674E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are UNEM1=0

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.5349572512E-01	.14948238E-02	-35.787	0000	
AGEX1	.2110742832E-02	11184265E-02	1.887	.0591	10201134E-01
AGEX2	.6793150677E-02	49334704E-03	13.770	0000	61954388E-01
AGEX3	.6789649948E-02	39781313E-03	17.067	0000	97490074E-01
AGEX5	- 4768972153E-02	.55951407E-03	-8 523	0000	20790953
MIG1	5633856892E-02	30842067E-03	18 267	0000	17598072
REG1	1163295299E-02	44229049E-03	2 630	0085	90394255
MRS1	- 8055317977E-02	35346163E-03	-22 790	.0000	73738559
ED2	4851383897E-02	13723072E-02	3 535	.0004	24518462E-01
ED3	1923697458E-02	10688180E-02	1 800	.0719	44914474
ED4	2167751785E-02	.10884170E-02	1 992	0464	17473574
ED5	4845610486E-02	11191135E-02	4 330	0000	12505547
ED6	8770203687E-02	11332633E-02	7 739	0000	87762512E-01
ED7	9452308908E-02	11450600E-02	8.255	0000	10507019
YDEV	- 7016382604E-01	17045657E-01	-4 116	0000	26273425E-01
YDEVA1	3029435950E-01	17492817E-01	1 732	0833	94545000E-04
YDEVA2	2655928821E-01	70115122E-02	3 788	0002	12604908E-02
YDEVA3	5599550170E-02	56165734E-02	997	3188	23512806E-02
YDEVA5	3408353105E-01	81826781E-02	4 165	0000	56781845E-02
YDEVMI1	- 4517252420E-02	44136740E-02	-1 023	3061	46267731E-02
YDEVRE1	- 1722410209E-01	61959515E-02	-2 780	0054	27876347E-01
YDEVMR1	1306312598E-01	49432507E-02	2 643	0082	20021084E-01
YDEVE2	5020333060E-01	20153330E-01	2 491	0127	60260881E-03
YDEVE3	1098596746E-01	15986998E-01	687	4920	.11554868E-01
YDEVE4	1724465492E-01	16185115E-01	1 065	2867	44966570E-02
YDEVE5	7902417571E-03	16544492E-01	048	9619	35307592E-02
YDEVE6	2380982611E-01	16670227E-01	1 428	1532	23017713E-02
YDEVE7	2553374493E-01	16767565E-01	1 523	1278	29179099E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are UNEM1=1

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.1258568055	.29619165E-02	-42.492	.0000	
AGEX1	.4965842589E-02	.26342381E-02	1.885	.0594	.17775940E-01
AGEX2	.1598191709E-01	.11708279E-02	13.650	.0000	.18830095
AGEX3	.1597368110E-01	.95050358E-03	16.805	.0000	.27780074
AGEX5	-.1121973017E-01	.13513563E-02	-8.303	.0000	.64282761E-01
MIG1	.1325450267E-01	.73785267E-03	17.964	.0000	.30715172
REG1	.2736828596E-02	.10365100E-02	2.640	.0083	.87453493
MRS1	-.1895135707E-01	.87372029E-03	-21.690	.0000	.37660190
ED2	.1141361629E-01	.32374445E-02	3.526	.0004	.18602728E-01
ED3	.4525789983E-02	.25165860E-02	1.798	.0721	.23377429
ED4	.5099964795E-02	.25624346E-02	1.990	.0466	.27304671
ED5	.1140003347E-01	.26369685E-02	4.323	.0000	.16907813
ED6	.2063323410E-01	.26764644E-02	7.709	.0000	.15626292
ED7	.2223799007E-01	.27011453E-02	8.233	.0000	.13331955
YDEV	-.1650710405	.40212763E-01	-4.105	.0000	-.47414634E-02
YDEVA1	.7127207461E-01	.41192809E-01	1.730	.0836	.45287309E-04
YDEVA2	.6248475301E-01	.16561315E-01	3.773	.0002	-.26151302E-03
YDEVA3	.1317379090E-01	.13237373E-01	.995	.3196	-.86250517E-03
YDEVA5	.8018667528E-01	.19150341E-01	4.187	.0000	.99710624E-04
YDEVMI1	-.1062752132E-01	.10368907E-01	-1.025	.3054	-.13599628E-02
YDEVRE1	-.4052231207E-01	.14621160E-01	-2.771	.0056	-.11542786E-02
YDEVMR1	.3073298479E-01	.11558535E-01	2.659	.0078	.29752790E-02
YDEVE2	.1181109482	.47534802E-01	2.485	.0130	.15816453E-03
YDEVE3	.2584615439E-01	.37628894E-01	.687	.4922	-.21384250E-02
YDEVE4	.4057066570E-01	.38108697E-01	1.065	.2871	-.86198842E-03
YDEVE5	.1859163567E-02	.38924642E-01	.048	.9619	-.12153783E-02
YDEVE6	.5601622649E-01	.39264752E-01	1.427	.1537	-.26577098E-03
YDEVE7	.6007200693E-01	.39494458E-01	1.521	.1283	-.22722199E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.6049912241E-01	.15443349E-02	-39.175	.0000	
AGEX1	.2387070904E-02	.12654442E-02	1.886	.0592	.12614962E-01
AGEX2	.7682476561E-02	.56158715E-03	13.680	.0000	.90064719E-01
AGEX3	.7678517534E-02	.45627521E-03	16.829	.0000	.14198906
AGEX5	-.5393302538E-02	.63888814E-03	-8.442	.0000	.17502037
MIG1	.6371413734E-02	.34443498E-03	18.498	.0000	.18757778
REG1	.1315588200E-02	.49794411E-03	2.642	.0082	.88830017
MRS1	-.9109880598E-02	.39098543E-03	-23.300	.0000	.69736063
ED2	.5486503221E-02	.15519097E-02	3.535	.0004	.25588783E-01
ED3	.2175538470E-02	.12089056E-02	1.800	.0719	.47308797
ED4	.2451543189E-02	.12302252E-02	1.993	.0463	.23405660
ED5	.5479973984E-02	.12604000E-02	4.348	.0000	.10068999
ED6	.9918355629E-02	.12705973E-02	7.806	.0000	.66155904E-01
ED7	.1068975871E-01	.12802047E-02	8.350	.0000	.66738398E-01
YDEV	-.7934932914E-01	.19215748E-01	-4.129	.0000	.14785334E-01
YDEVA1	.3426034808E-01	.19785150E-01	1.732	.0833	-.40883066E-04
YDEVA2	.3003629963E-01	.79463829E-02	3.780	.0002	.75673176E-03
YDEVA3	.6332615744E-02	.63589189E-02	.996	.3193	.20381799E-02
YDEVA5	.3854557934E-01	.92026668E-02	4.189	.0000	.26849633E-02
YDEVMI1	-.5108628895E-02	.49879010E-02	-1.024	.3057	-.31293228E-02
YDEVRE1	-.1947899684E-01	.70678745E-02	-2.756	.0059	-.13102162E-01
YDEVMR1	.1477328620E-01	.55809786E-02	2.647	.0081	.11179105E-01
YDEVE2	.5677570378E-01	.22802150E-01	2.490	.0128	.27450022E-03
YDEVE3	.1242419630E-01	.18083228E-01	.687	.4920	.66259545E-02
YDEVE4	.1950224034E-01	.18307087E-01	1.065	.2867	.36687909E-02

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Index function for probability					
YDEVE5	8936963222E-03	18710355E-01	048	.9619	17416783E-02
YDEVE6	2692689147E-01	18849422E-01	1 429	1531	10180479E-02
YDEVE7	2887649726E-01	18954818E-01	1 523	1276	10306674E-02

Marginal Effects for Probit			
Variable	UNEM1=0	UNEM1=1	All Obs
ONE	-.0535	- 1259	- 0605
AGEX1	0021	.0050	0024
AGEX2	0068	.0160	.0077
AGEX3	0068	0160	0077
AGEX5	- 0048	- 0112	-.0054
MIG1	0056	0133	.0064
REG1	.0012	0027	0013
MRS1	-.0081	- 0190	- 0091
ED2	.0049	.0114	0055
ED3	0019	.0045	0022
ED4	0022	0051	.0025
ED5	.0048	0114	.0055
ED6	0088	.0206	0099
ED7	0095	.0222	0107
YDEV	- 0702	- 1651	- 0793
YDEVA1	0303	0713	0343
YDEVA2	0266	.0625	0300
YDEVA3	0056	0132	0063
YDEVA5	0341	0802	.0385

Marginal Effects for Probit			
Variable	UNEM1=0	UNEM1=1	All Obs
YDEVMI1	- 0045	- 0106	- 0051
YDEVRE1	- 0172	- 0405	-.0195
YDEVMR1	*0131*	*0307*	*0148*
YDEVE2	0502	1181	0568
YDEVE3	0110	0258	0124
YDEVE4	0172	0406	0195
YDEVE5	.0008	0019	0009
YDEVE6	.0238	0560	0269
YDEVE7	0255	.0601	0289

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability.

	Predicted		
Actual	0	1	Total
0	*****	0	*****
1	4838	0	4838
Total	*****	0	*****

Table C.33 : Estimate of Formal sector (Round I, Female)

```
PROBIT,Lhs=FORM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e-
    ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
    ,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills);Prob=prob;Margin=
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep var   = FORM1     Mean=     2761833950     , S D =     4471093524  |
| Model size  Observations =  309593, Parameters =  28, Deg Fr = 309565 |
| Residuals   Sum of squares= 44405 85674     , Std Dev =          37874 |
| Fit         R-squared=   282498, Adjusted R-squared =          28244 |
| Model test  F[ 27, 309565] = 4514 20,     Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -190085.4138 |
|             LogAmemiyaPrCrt.=   -1 942, Akaike Info  Crt =        896 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Constant	2547923327	36598339E-02	69 619	0000	
AGEX1	- 1427841042	68449509E-02	-20 860	0000	11196792E-01
AGEX2	- 4704206673E-01	30500065E-02	-15 424	.0000	86031153E-01
AGEX3	1364236110E-01	23670096E-02	5.764	0000	13629884
AGEX5	- 8182940741E-01	20665171E-02	-39 598	0000	15424253
MIG1	1152585920	20161954E-02	57 166	0000	14738419
REG1	- 9769083100E-01	20838696E-02	-46 880	0000	.86936560
MRS1	- 4696184594E-01	16073620E-02	-29 217	0000	.65772070
ED2	1119646308E-01	48722879E-02	2 298	0216	29778661E-01
ED3	2397715046E-01	29914577E-02	8 015	.0000	47898138
ED4	1019411477	34756876E-02	29 330	0000	21589944
ED5	2535696801	39671224E-02	63 918	0000	69921623E-01
ED6	4229235497	41421455E-02	102 103	0000	56808240E-01
ED7	6949224458	37445183E-02	185.584	0000	86884934E-01
YDEV	1 010168175	.49093329E-01	20.576	0000	11277317E-01
YDEVA1	1239965364	.10960686	1 131	2579	71612559E-04
YDEVA2	5570242874	41885558E-01	13 299	0000	13201457E-02
YDEVA3	.1916681036	31378848E-01	6.108	.0000	18677777E-02
YDEVA5	7540711892E-01	27386519E-01	2 753	0059	14647089E-02
YDEVMI1	1152726833	26702504E-01	4 317	0000	17774260E-02
YDEVRE1	-1 292026137	26968522E-01	-47 909	0000	10008409E-01
YDEVMR1	1632331179	21321746E-01	7 656	0000	73725700E-02
YDEVE2	- 5483247777E-01	67181005E-01	- 816	4144	36885684E-03
YDEVE3	- 2266837670E-01	40942669E-01	- 554	5798	.58553649E-02
YDEVE4	- 5192074246E-02	46576811E-01	- 111	.9112	.30204251E-02
YDEVE5	- 2338615514	52023532E-01	-4 495	.0000	.42063483E-03
YDEVE6	- 1578259322	55007171E-01	-2 869	0041	38176024E-03
YDEVE7	- 1700863016	49787644E-01	-3 416	0006	51133751E-03

```
Normal exit from iterations  Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable                 FORM1  |
| Weighting variable                 WTPOP  |
| Number of observations             309593 |
| Iterations completed                    6 |
| Log likelihood function        -139840 4  |
| Restricted log likelihood      -191963.6  |
| Chi-squared                     104246.3  |
| Degrees of freedom                    27  |
| Significance level              0000000   |
| Results retained for SELECTION model      |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 7331363487	15614859E-01	-46 951	0000	
AGEX1	- 5312882659	28226634E-01	-18 822	0000	11196792E-01
AGEX2	- 1627421225	11098837E-01	-14 663	0000	86031153E-01
AGEX3	3513087770E-01	86363068E-02	4 068	0000	.13629884

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX5	-.4395920063	96206380E-02	-45 693	0000	15424253
MIG1	3744361578	72961350E-02	51 320	0000	14738419
REG1	- 3167683267	78992697E-02	-40 101	0000	86936560
MRS1	-.1809390654	.62224982E-02	-29 078	0000	.65772070
ED2	6437498562E-01	.21933112E-01	2 935	0033	29778661E-01
ED3	.1274035003	13622983E-01	9.352	0000	47898138
ED4	4067196393	14857393E-01	27 375	0000	21589944
ED5	8373176730	16013739E-01	52 287	0000	.69921623E-01
ED6	1 264441649	16508488E-01	76 593	0000	56808240E-01
ED7	2 189082574	16522126E-01	132 494	0000	86884934E-01
YDEV	3.314190211	20938778	15.828	0000	11277317E-01
YDEVA1	4917487321	44919841	1 095	2736	71612559E-04
YDEVA2	1 787446716	.15024441	11 897	.0000	13201457E-02
YDEVA3	.6389298347	11347382	5.631	0000	18677777E-02
YDEVA5	.1385456281	12657392	1 095	2737	14647089E-02
YDEVMI1	.2623363842	96289183E-01	2.724	0064	17774260E-02
YDEVRE1	-4.321457843	10362151	-41.704	0000	10008409E-01
YDEVMR1	5607247912	81983952E-01	6.839	.0000	.73725700E-02
YDEVE2	- 3036771068	.30051950	-1.011	.3123	.36885684E-03
YDEVE3	- 1277626679	18457085	-.692	.4888	58553649E-02
YDEVE4	- 3430005507E-01	.19840462	- 173	.8627	.30204251E-02
YDEVE5	- 7021236794	.21115936	-3.325	.0009	42063483E-03
YDEVE6	- 4491517862	.21953248	-2 046	.0408	38176024E-03
YDEVE7	- 1677016474	21873074	-.767	4433	51133751E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are FORM1=0

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1943838129	.40851767E-02	-47 583	.0000	
AGEX1	-.1408658008	74926114E-02	-18 801	0000	10171161E-01
AGEX2	- 4314945554E-01	29535192E-02	-14 610	0000	61613130E-01
AGEX3	9314602897E-02	22873148E-02	4 072	0000	85828839E-01
AGEX5	- 1165534494	24918854E-02	-46 773	0000	21343025
MIG1	9927802401E-01	19424760E-02	51 109	0000	12323564
REG1	- 8398797204E-01	20883522E-02	-40 217	0000	91299414
MRS1	- 4797419401E-01	.16543748E-02	-28 998	.0000	68070340
ED2	1706838732E-01	58149105E-02	2 935	0033	35962485E-01
ED3	3377977126E-01	36100481E-02	9 357	0000	55997655
ED4	1078376681	39310795E-02	27 432	0000	17832591
ED5	.2220064551	.42567736E-02	52 154	0000	76046893E-01
ED6	.3352541302	43984396E-02	76 221	0000	45542790E-01
ED7	5804134774	44666449E-02	129 944	0000	27441970E-01
YDEV	.8787245798	55441215E-01	15.850	0000	17673443E-01
YDEVA1	1303822866	11910177	1 095	2736	14583025E-03
YDEVA2	4739237231	39829936E-01	11 899	0000	12202002E-02
YDEVA3	1694058925	30082612E-01	5 631	0000	17704788E-02
YDEVA5	3673399566E-01	33563057E-01	1 094	2737	35630884E-02
YDEVMI1	6955588373E-01	25529294E-01	2 725	0064	20075883E-02
YDEVRE1	-1 145791577	27022363E-01	-42 402	0000	21462367E-01
YDEVMR1	1486706028	21731716E-01	6 841	0000	11780215E-01
YDEVE2	- 8051696526E-01	.79679444E-01	-1 011	3123	74100539E-03
YDEVE3	- 3387500098E-01	48937980E-01	- 692	4888	10385453E-01
YDEVE4	- 9094318538E-02	52605358E-01	- 173	8627	31287930E-02
YDEVE5	-.1861611120	55991397E-01	-3 325	.0009	10457899E-02
YDEVE6	-.1190881300	58210578E-01	-2 046	.0408	55103353E-03
YDEVE7	- 4446442425E-01	.57996144E-01	- 767	.4433	33237843E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are FORM1=1

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.2900622040	61865351E-02	-46 886	.0000	
AGEX1	-.2102018890	11164641E-01	-18 827	.0000	.34771597E-02
AGEX2	- 6438821211E-01	43887623E-02	-14 671	0000	60876244E-01
AGEX3	1389937879E-01	34173311E-02	4 067	0000	16152704
AGEX5	- 1739226631	38059338E-02	-45.698	0000	66844503E-01
MIG1	1481440354	28792959E-02	51.451	0000	24289258
REG1	- 1253280091	31292995E-02	-40 050	0000	.84620574
MRS1	- 7158775334E-01	24597156E-02	-29 104	0000	56857270
ED2	2546968275E-01	86776652E-02	2 935	0033	11043874E-01
ED3	5040664013E-01	.53897600E-02	9 352	0000	19586270
ED4	1609168543	58766472E-02	27 382	0000	14265697
ED5	3312810913	63236220E-02	52 388	.0000	.10762588
ED6	5002708326	64971489E-02	76 999	.0000	.14168128
ED7	8661009884	63149877E-02	137 150	0000	.38318300
YDEV	1 311244926	82879945E-01	15 821	0000	16178823E-01
YDEVA1	1945582446	17772379	1 095	2736	56101637E-04
YDEVA2	7071955098	59446475E-01	11 896	0000	.15208526E-02
YDEVA3	2527898070	44896741E-01	5.630	0000	27670718E-02
YDEVA5	5481497448E-01	50078416E-01	1.095	2737	90127565E-03
YDEVMI1	1037922481	38096103E-01	2 724	0064	40281608E-02
YDEVRE1	-1 709765978	.41124789E-01	-41.575	.0000	.17376977E-01
YDEVMR1	2218483220	.32438892E-01	6 839	0000	89911566E-02
YDEVE2	-.1201485250	11889947	-1 011	3123	21862512E-03
YDEVE3	-.5054874323E-01	.73024728E-01	- 692	.4888	.35986953E-02
YDEVE4	- 1357066743E-01	78497963E-01	- 173	.8627	.29659301E-02
YDEVE5	- 2777921764	.83546430E-01	-3 325	0009	.15255338E-02
YDEVE6	- 1777049484	86859716E-01	-2 046	0408	.23291012E-02
YDEVE7	- 6635042654E-01	86542421E-01	- 767	4433	52659768E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 2316342736	48717475E-02	-47 546	.0000	
AGEX1	- 1678604147	89146280E-02	-18.830	.0000	.11196792E-01
AGEX2	- 5141833902E-01	35065294E-02	-14 664	.0000	.86031153E-01
AGEX3	1109959334E-01	27287666E-02	4 068	.0000	.13629884
AGEX5	- 1388890010	30143287E-02	-46 076	0000	.15424253
MIG1	1183030245	23057207E-02	51 308	.0000	.14738419
REG1	- 1000828855	24992428E-02	-40 045	0000	.86936560
MRS1	- 5716765926E-01	19653900E-02	-29.087	0000	65772070
ED2	2033926303E-01	69294607E-02	2.935	0033	29778661E-01
ED3	.4025310885E-01	43024855E-02	9.356	0000	47898138
ED4	1285029836	.46856207E-02	27.425	0000	21589944
ED5	.2645503409	50462824E-02	52.425	.0000	69921623E-01
ED6	.3995000704	.52174562E-02	76.570	.0000	56808240E-01
ED7	.6916401743	.53802119E-02	128.553	0000	86884934E-01
YDEV	1 047117693	.66169961E-01	15 825	0000	11277317E-01
YDEVA1	.1553679074	14192387	1 095	2736	71612559E-04
YDEVA2	.5647434100	47470731E-01	11 897	.0000	.13201457E-02
YDEVA3	2018697455	35852542E-01	5 631	0000	18677777E-02
YDEVA5	.4377346177E-01	39991701E-01	1 095	2737	.14647089E-02
YDEVMI1	8288512486E-01	30422467E-01	2 724	0064	.17774260E-02
YDEVRE1	-1 365363687	32774363E-01	-41.660	.0000	.10008409E-01
YDEVMR1	1771608786	25902439E-01	6 840	0000	.73725700E-02
YDEVE2	- 9594671738E-01	94948669E-01	-1 011	3123	.36885684E-03
YDEVE3	- 4036658778E-01	58315020E-01	- 692	4888	.58553649E-02
YDEVE4	- 1083709511E-01	62685898E-01	- 173	8627	30204251E-02

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE5	- 2218358273	66715969E-01	-3 325	0009	42063483E-03
YDEVE6	- 1419094114	69361056E-01	-2 046	0408	38176024E-03
YDEVE7	- 5298529986E-01	69107392E-01	- 767	.4433	51133751E-03

Marginal Effects for Probit			
Variable	FORM1=0	FORM1=1	All Obs.
ONE	- 1944	- 2901	-.2316
AGEX1	- 1409	-.2102	- 1679
AGEX2	- 0431	- 0644	- 0514
AGEX3	0093	0139	0111
AGEX5	-.1166	- 1739	-.1389
MIG1	0993	1481	.1183
REG1	- 0840	- 1253	-.1001
MRS1	- 0480	- 0716	-.0572
ED2	0171	.0255	0203
ED3	0338	0504	0403
ED4	1078	.1609	.1285
ED5	2220	.3313	2646
ED6	.3353	.5003	3995
ED7	5804	.8661	6916
YDEV	8787	1.3112	1 0471
YDEVA1	.1304	1946	1554
YDEVA2	.4739	7072	5647
YDEVA3	.1694	.2528	2019
YDEVA5	.0367	.0548	0438

Marginal Effects for Probit			
Variable	FORM1=0	FORM1=1	All Obs.
YDEVMI1	0696	1038	.0829
YDEVRE1	-1 1458	-1 7098	-1 3654
YDEVMR1	1487	2218	1772
YDEVE2	- 0805	- 1201	- 0959
YDEVE3	- 0339	- 0505	-.0404
YDEVE4	- 0091	- 0136	-.0108
YDEVE5	- 1862	- 2778	-.2218
YDEVE6	- 1191	-.1777	- 1419
YDEVE7	- 0445	- 0664	- 0530

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****15942		*****
1	4537150972		96343
Total	*****66914		*****

Table C.34 : Estimate of Formal sector (Round I, male)

```
PROBIT,Lhs=FORM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
     ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
     ,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=
```

Dependent variable is binary, y=0 or y not equal 0					
Ordinary least squares regression Weighting variable = WTPOP					
Dep var = FORM1 Mean= 3053553751 , S D = .4605584376					
Model size Observations = 350921, Parameters = 28, Deg Fr = 350893					
Residuals Sum of squares= 58756.39245 , Std Dev = .40920					
Fit R-squared= .210636, Adjusted R-squared = 21057					
Model test F[27, 350893] = 3467.89, Prob value = 00000					
Diagnostic Log-L = **********, Restricted(b=0) Log-L = -225860 3334					
LogAmemiyaPrCrt = -1 787, Akaike Info Crt = 1.051					
Variable	**Coefficient**	**Standard Error**	**b/St Er**	**P[|Z|>z]**	**Mean of X**
Constant	2878931767	46906677E-02	61.376	0000	
AGEX1	- 1524324279	79191542E-02	-19.249	0000	84325794E-02
AGEX2	- 7948283373E-01	33633411E-02	-23 632	0000	73967077E-01
AGEX3	- 4565884643E-01	25338198E-02	-18 020	0000	12934079
AGEX5	- 4969476117E-01	.19478596E-02	-25 512	0000	18470531
MIG1	1066344977	.18583124E-02	57 382	0000	18230342
REG1	- 1582021540	21877339E-02	-72 313	0000	.87996052
MRS1	.5332635658E-02	19768577E-02	2 698	.0070	.72384780
ED2	1902559071E-01	57530822E-02	3 307	.0009	.26931050E-01
ED3	4674631479E-01	39970850E-02	11.695	.0000	.47811640
ED4	1301405301	43431759E-02	29 964	0000	21650860
ED5	2653857907	45026227E-02	58 940	0000	10430834
ED6	3913470382	47714801E-02	82 018	0000	68883197E-01
ED7	6665743554	47189801E-02	141 254	0000	71944538E-01
YDEV	1 570568564	62923400E-01	24 960	0000	11687731E-01
YDEVA1	1679276624	12407978	1.353	1759	44596810E-04
YDEVA2	2925737231	45903938E-01	6.374	0000	10103357E-02
YDEVA3	1815782788	33593857E-01	5.405	0000	18058343E-02
YDEVA5	- 3444020519E-01	25746126E-01	-1 338	1810	19567854E-02
YDEVMI1	1466319349	24632467E-01	5 953	0000	20690986E-02
YDEVRE1	-1 545829846	.28373917E-01	-54.481	.0000	.10553774E-01
YDEVMR1	-.4630774046E-01	.26012516E-01	-1 780	0750	82572463E-02
YDEVE2	- 1040819689	.78799792E-01	-1 321	1866	.36449213E-03
YDEVE3	3894587825E-01	.54413015E-01	716	.4741	62548531E-02
YDEVE4	- 9675349917E-01	58467971E-01	-1.655	.0980	.28713114E-02
YDEVE5	- 1389187522	60287605E-01	-2.304	.0212	.76786108E-03
YDEVE6	- 2578218511	63870117E-01	-4 037	.0001	.53163769E-03
YDEVE7	- 4477149040	63060662E-01	-7 100	.0000	.49697692E-03

Normal exit from iterations. Exit status=0

Binomial Probit Model	
Maximum Likelihood Estimates	
Dependent variable	FORM1
Weighting variable	WTPOP
Number of observations	350921
Iterations completed	5
Log likelihood function	-179568 9
Restricted log likelihood	-228224 8
Chi-squared	97311 64
Degrees of freedom	27
Significance level	0000000
Results retained for SELECTION model.	

Variable	**Coefficient**	**Standard Error**	**b/St Er**	**P[|Z|>z]**	**Mean of X**
Index function for probability					
Constant	- 6628588388	17789299E-01	-37 262	0000	
AGEX1	- 5843680876	31824336E-01	-18 362	0000	.84325794E-02
AGEX2	- 2432025383	11349076E-01	-21 429	0000	.73967077E-01
AGEX3	- 1360626802	83936748E-02	-16 210	0000	.12934079

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX5	-.2049812120	71803679E-02	-28.547	.0000	.18470531
MIG1	.3294568574	.61242359E-02	53.796	0000	18230342
REG1	- 4759828007	.73203165E-02	-65 022	0000	87996052
MRS1	1579630716E-01	67393285E-02	2 344	0191	72384780
ED2	8722978522E-01	.22496745E-01	3 877	.0001	26931050E-01
ED3	2128583180	15856097E-01	13 424	0000	47811640
ED4	.4789421045	16724850E-01	28.637	.0000	.21650860
ED5	8582099600	.17013705E-01	50.442	0000	.10430834
ED6	1.176146882	17719542E-01	66 376	0000	68883197E-01
ED7	2.071975435	.18535017E-01	111.787	0000	.71944538E-01
YDEV	4 709244443	23802581	19 785	0000	11687731E-01
YDEVA1	.7567139013	.48530491	1.559	.1189	44596810E-04
YDEVA2	8843007352	.15307999	5.777	.0000	.10103357E-02
YDEVA3	5578087099	11036076	5.054	0000	.18058343E-02
YDEVA5	- 1335504090	94366306E-01	-1.415	1570	.19567854E-02
YDEVMI1	3573705700	.80822695E-01	4 422	0000	20690986E-02
YDEVRE1	-4.588509686	96223063E-01	-47 686	0000	10553774E-01
YDEVMR1	- 1798857248	88196685E-01	-2 040	0414	82572463E-02
YDEVE2	-.4768724113	.30502903	-1.563	.1180	.36449213E-03
YDEVE3	.1071483132	.21353254	502	6158	.62548531E-02
YDEVE4	-.3560261020	.22334425	-1.594	1109	28713114E-02
YDEVE5	- 4959292167	22680100	-2.187	.0288	76786108E-03
YDEVE6	- 7594538744	23627625	-3 214	.0013	53163769E-03
YDEVE7	- 9425084113	24577611	-3.835	.0001	.49697692E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are FORM1=0

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 2032710299	54024709E-02	-37.626	0000	
AGEX1	- 1792012056	97550773E-02	-18 370	.0000	90186778E-02
AGEX2	- 7458002753E-01	.34872692E-02	-21 386	0000	61713019E-01
AGEX3	- 4172472255E-01	25802383E-02	-16 171	0000	90836016E-01
AGEX5	- 6285914835E-01	21860778E-02	-28 754	0000	24966103
MIG1	1010306129	.18687525E-02	54 063	0000	13766954
REG1	- 1459639798	22378423E-02	-65 225	0000	91905273
MRS1	4844065491E-02	20664187E-02	2 344	.0191	75429182
ED2	2674971992E-01	68977208E-02	3.878	.0001	.32921265E-01
ED3	6527472667E-01	.48562713E-02	13.441	0000	54685782
ED4	.1468714742	51126519E-02	28 727	0000	.18522739
ED5	2631770330	51989107E-02	50 622	0000	10681966
ED6	3606749644	54118665E-02	66 645	0000	57932417E-01
ED7	6353880435	56571158E-02	112 317	0000	24746156E-01
YDEV	1 444127938	72918911E-01	19 805	.0000	17242837E-01
YDEVA1	2320524448	14882582	1.559	1189	.13970427E-03
YDEVA2	.2711779804	.46942421E-01	5 777	0000	11732399E-02
YDEVA3	1710565574	33839257E-01	5.055	0000	16191274E-02
YDEVA5	- 4095431424E-01	.28936720E-01	-1 415	1570	43138372E-02
YDEVMI1	1095905788	24781743E-01	4 422	0000	20643603E-02
YDEVRE1	-1 407103647	29107359E-01	-48 342	0000	21083087E-01
YDEVMR1	- 5516341400E-01	27046999E-01	-2 040	0414	12886092E-01
YDEVE2	- 1462367861	.93539989E-01	-1.563	1180	.68921292E-03
YDEVE3	3285789782E-01	.65480522E-01	502	6158	10012313E-01
YDEVE4	- 1091782868	68493293E-01	-1 594	1109	31883027E-02
YDEVE5	- 1520807097	69553588E-01	-2 187	0288	13820748E-02
YDEVE6	- 2328926797	72460408E-01	-3 214	0013	73162014E-03
YDEVE7	- 2890278356	75376968E-01	-3 834	0001	32820656E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs Observations used for means are FORM1=1

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 2641830207	70889424E-02	-37 267	0000	
AGEX1	- 2329004572	12684396E-01	-18 361	0000	22248639E-02
AGEX2	- 9692860298E-01	45241060E-02	-21.425	.0000	41348733E-01
AGEX3	- 5422791061E-01	33461112E-02	-16 206	.0000	10253651
AGEX5	- 8169545702E-01	.28615497E-02	-28 549	0000	13467254
MIG1	1313053439	.24424332E-02	53 760	0000	25199595
REG1	- 1897033980	29174640E-02	-65 023	0000	85054859
MRS1	6295633246E-02	26859908E-02	2 344	0191	74012466
ED2	3476551388E-01	89661193E-02	3 877	0001	.10570111E-01
ED3	8483488509E-01	63196109E-02	13 424	0000	25673483
ED4	1908828313	66668713E-02	28 632	0000	13602191
ED5	3420403959	67860341E-02	50 404	0000	16819007
ED6	4687544586	70723005E-02	66 280	0000	15190921
ED7	8257877806	74357580E-02	111 056	0000	26497566
YDEV	1 876873852	94853888E-01	19 787	0000	17953425E-01
YDEVA1	3015890452	19341857	1 559	1189	33328782E-04
YDEVA2	3524388992	61009792E-01	5 777	0000	88597131E-03
YDEVA3	2223151919	43984052E-01	5 054	0000	20316951E-02
YDEVA5	- 5322664252E-01	37609747E-01	-1 415	1570	.23802164E-02
YDEVMI1	1424303806	32212039E-01	4 422	0000	44902243E-02
YDEVRE1	-1 828754900	38315269E-01	-47 729	0000	19377971E-01
YDEVMR1	- 7169362672E-01	35150959E-01	-2 040	0414	13257627E-01
YDEVE2	- 1900579531	12156955	-1 563	1180	19822011E-03
YDEVE3	4270406217E-01	85103621E-01	502	6158	.54392283E-02
YDEVE4	- 1418945416	89013926E-01	-1 594	1109	.26843280E-02
YDEVE5	- 1976530611	90391226E-01	-2 187	0288	.29429575E-02
YDEVE6	- 3026810641	94167036E-01	-3 214	0013	.24786293E-02
YDEVE7	- 3756376239	97951088E-01	-3 835	.0001	.40462201E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics They are computed at the means of the Xs. Observations used for means are All Obs

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 2266452300	60405991E-02	-37 520	0000	
AGEX1	- 1998076089	10875475E-01	-18 372	.0000	.84325794E-02
AGEX2	- 8315600851E-01	38799132E-02	-21 432	0000	.73967077E-01
AGEX3	- 4652266161E-01	28701091E-02	-16 209	0000	.12934079
AGEX5	- 7008734172E-01	24517114E-02	-28 587	.0000	.18470531
MIG1	1126481550	20931521E-02	53 817	0000	.18230342
REG1	- 1627484240	25086239E-02	-64 876	0000	.87996052
MRS1	5401086116E-02	.23043184E-02	2 344	0191	.72384780
ED2	2982567868E-01	76918141E-02	3 878	0001	26931050E-01
ED3	7278068816E-01	54191712E-02	13 430	0000	.47811640
ED4	1637602716	57119122E-02	28.670	0000	.21650860
ED5	2934398433	58056145E-02	50 544	0000	.10430834
ED6	4021490927	60511516E-02	66 458	0000	.68883197E-01
ED7	7084515158	64091997E-02	110 537	0000	.71944538E-01
YDEV	1 610188667	81406786E-01	19 780	0000	11687731E-01
YDEVA1	2587362289	16593488	1 559	1189	44596810E-04
YDEVA2	3023608223	52340545E-01	5 777	0000	.10103357E-02
YDEVA3	1907264050	.37734838E-01	5 054	0000	.18058343E-02
YDEVA5	- 4566366380E-01	32265764E-01	-1 415	1570	.19567854E-02
YDEVMI1	1221924342	27634846E-01	4 422	0000	.20690986E-02
YDEVRE1	-1.568906941	32956958E-01	-47 605	0000	.10553774E-01
YDEVMR1	-.6150667244E-01	30156381E-01	-2 040	0414	.82572463E-02
YDEVE2	-.1630526004	10429518	-1 563	1180	36449213E-03
YDEVE3	3663623789E-01	.73011245E-01	502	6158	62548531E-02
YDEVE4	- 1217327326	.76365847E-01	-1 594	1109	28713114E-02

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Index function for probability					
YDEVE5	- 1695685187	77547516E-01	-2.187	0288	76786108E-03
YDEVE6	- 2596730827	80786963E-01	-3 214	0013	53163769E-03
YDEVE7	- 3222632380	84033931E-01	-3 835	.0001	49697692E-03

Marginal Effects for Probit

Variable	FORM1=0	FORM1=1	All Obs
ONE	-.2033	- 2642	-.2266
AGEX1	- 1792	- 2329	- 1998
AGEX2	- 0746	- 0969	- 0832
AGEX3	- 0417	-.0542	- 0465
AGEX5	-.0629	- 0817	- 0701
MIG1	.1010	.1313	1126
REG1	-.1460	-.1897	- 1627
MRS1	0048	0063	0054
ED2	0267	0348	.0298
ED3	0653	0848	.0728
ED4	1469	1909	.1638
ED5	2632	3420	.2934
ED6	3607	4688	4021
ED7	.6354	8258	.7085
YDEV	1.4441	1 8769	1 6102
YDEVA1	2321	.3016	2587
YDEVA2	2712	3524	.3024
YDEVA3	1711	2223	.1907
YDEVA5	- 0410	- 0532	- 0457

Marginal Effects for Probit

Variable	FORM1=0	FORM1=1	All Obs
YDEVMI1	1096	1424	1222
YDEVRE1	-1 4071	-1.8288	-1.5689
YDEVMR1	-.0552	- 0717	-.0615
YDEVE2	- 1462	- 1901	-.1631
YDEVE3	.0329	0427	0366
YDEVE4	-.1092	- 1419	- 1217
YDEVE5	- 1521	- 1977	- 1696
YDEVE6	- 2329	- 3027	- 2597
YDEVE7	- 2890	- 3756	- 3223

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

Actual	Predicted 0	Predicted 1	Total
0	*****18460		*****
1	7142953073		*****
Total	*****71533		*****

Table C.35 :Estimate of Formal sector (Round III, Female)

```
PROBIT,Lhs=FORM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
     ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
    ,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=
+-----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                    |
| Ordinary    least squares regression    Weighting variable = WTPOP    |
| Dep var  = FORM1    Mean=   .2116313973    , S D =    4084655078      |
| Model size  Observations =  319566, Parameters =  28, Deg Fr = 319538  |
| Residuals   Sum of squares= 35631.27125    , Std Dev =          33393  |
| Fit         R-squared=  .331716, Adjusted R-squared =          33166  |
| Model test  F[ 27, 319538] = 5874.40,    Prob value =          00000  |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -167321 3002  |
|             LogAmemiyaPrCrt =   -2 194, Akaike Info  Crt.=        644  |
+-----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	2840967145	32867230E-02	86 438	0000	
AGEX1	- 1352919973	53520871E-02	-25 278	0000	14483721E-01
AGEX2	- 6974041576E-01	26251758E-02	-26 566	0000	96436367E-01
AGEX3	- 6579719793E-02	20952231E-02	-3 140	0017	13918868
AGEX5	- 5308702080E-01	18029889E-02	-29 444	0000	15719146
MIG1	8845503568E-01	.18172098E-02	48.676	0000	.13868948
REG1	- 1685293371	19992462E-02	-84 296	0000	.89053323
MRS1	- 5051674072E-01	14519031E-02	-34 793	0000	.67115909
ED2	1498526103E-01	42601730E-02	3 518	0004	.28854603E-01
ED3	1230684142E-01	25807547E-02	4 769	0000	.49893756
ED4	8153037042E-01	30511059E-02	26 722	0000	.22644694
ED5	2569123272	35893003E-02	71 577	0000	.62899782E-01
ED6	4570997605	37995848E-02	120 303	0000	.47910390E-01
ED7	7189368346	34089147E-02	210 899	0000	.72403065E-01
YDEV	8809915156	46255781E-01	19 046	0000	14617554E-01
YDEVA1	1865909746	85253645E-01	2 189	0286	- 85883062E-04
YDEVA2	4683174709	37136767E-01	12 611	0000	85743042E-03
YDEVA3	4300586916	29132887E-01	14 762	0000	21142714E-02
YDEVA5	- 6434062049E-01	25164140E-01	-2 557	0106	22923957E-02
YDEVMI1	4363707005E-01	25494862E-01	1 712	0870	22298296E-02
YDEVRE1	- 8115610880	27541196E-01	-29 467	0000	12935642E-01
YDEVMR1	1021493660	20330616E-02	5.024	.0000	10776983E-01
YDEVE2	2176813875E-01	61661016E-01	353	.7241	32321915E-03
YDEVE3	- 7702239976E-01	36801956E-01	-2 093	.0364	70183601E-02
YDEVE4	- 2579773317	42661809E-01	-6 047	0000	33827666E-02
YDEVE5	- 4021742792	49180801E-01	-8 177	.0000	12587667E-02
YDEVE6	- 3800228155	52805727E-01	-7.197	0000	77356717E-03
YDEVE7	- 4007964321	47551647E-01	-8 429	0000	11686662E-02

```
Normal exit from iterations  Exit status=0
```

```
+---------------------------------------------+
| Binomial Probit Model                       |
| Maximum Likelihood Estimates                |
| Dependent variable                  FORM1   |
| Weighting variable                  WTPOP   |
| Number of observations             319566   |
| Iterations completed                    6   |
| Log likelihood function          -117978 0  |
| Restricted log likelihood        -185448 9  |
| Chi-squared                       134941 9  |
| Degrees of freedom                     27   |
| Significance level                0000000   |
| Results retained for SELECTION model.       |
+---------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 6265674661	17137790E-01	-36 561	0000	
AGEX1	- 6619774401	29322959E-01	-22 575	0000	14483721E-01
AGEX2	- 2819814226	11772225E-01	-23 953	0000	96436367E-01
AGEX3	- 4096314426E-01	93985148E-02	-4.358	0000	13918868

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX5	- 3761792474	10723202E-01	-35 081	0000	15719146
MIG1	3455972043	79522449E-02	43 459	.0000	13868948
REG1	- 6259720650	85951593E-02	-72 828	0000	89053323
MRS1	- 2373624915	68516353E-02	-34 643	0000	67115909
ED2	1072531974	24140813E-01	4 443	0000	28854603E-01
ED3	8246186524E-01	.15057058E-01	5 477	.0000	49893756
ED4	.3996336845	.16457156E-01	24.283	.0000	.22644694
ED5	9488377730	.17664720E-01	53.714	.0000	.62899782E-01
ED6	1 450533610	.18226322E-01	79.585	0000	.47910390E-01
ED7	2 333414765	18166215E-01	128.448	0000	72403065E-01
YDEV	3.093916156	23902142	12 944	0000	14617554E-01
YDEVA1	9343462490	46889123	1 993	0463	- 85883062E-04
YDEVA2	1 958231722	16393697	11 945	0000	85743042E-03
YDEVA3	1 653379952	12866642	12 850	0000	21142714E-02
YDEVA5	-.3089464162	14782751	-2 090	.0366	.22923957E-02
YDEVMI1	- 1316411214	11048617	-1 191	.2335	.22298296E-02
YDEVRE1	-2 376237335	11877494	-20.006	.0000	.12935642E-01
YDEVMR1	5353854706	.94747887E-01	5.651	0000	.10776983E-01
YDEVE2	3211937982E-01	.34417068	093	9256	32321915E-03
YDEVE3	- 6104134447	21083404	-2 895	.0038	70183601E-02
YDEVE4	-1 460638427	22772237	-6 414	0000	33827666E-02
YDEVE5	-2.041818809	.24235661	-8 425	0000	12587667E-02
YDEVE6	-1.832571175	25235251	-7 262	0000	77356717E-03
YDEVE7	-1.474460072	25163135	-5 860	0000	11686662E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs Observations used for means are FORM1=0

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1304438879	35385598E-02	-36 864	0000	
AGEX1	- 1378158230	61082624E-02	-22.562	0000	13961114E-01
AGEX2	- 5870517552E-01	24725387E-02	-23 743	0000	67589723E-01
AGEX3	- 8528039016E-02	.19596480E-02	-4 352	0000	89658529E-01
AGEX5	- 7831604133E-01	21833035E-02	-35 870	.0000	21214062
MIG1	7194922400E-01	16643905E-02	43 229	.0000	.11804613
REG1	-.1303199325	17935899E-02	-72 659	.0000	93456635
MRS1	- 4941604521E-01	14337794E-02	-34 466	.0000	69276157
ED2	2232883898E-01	.50247276E-02	4.444	0000	34185516E-01
ED3	1716757873E-01	.31339300E-02	5 478	0000	57418176
ED4	8319897594E-01	34199019E-02	24 328	0000	18555046
ED5	1975367295	37035992E-02	53 336	0000	67756231E-01
ED6	3019838308	38671175E-02	78 090	0000	39056963E-01
ED7	4857891774	39907331E-02	121 729	0000	23635696E-01
YDEV	6441165142	49736089E-01	12 951	0000	25447807E-01
YDEVA1	1945197667	97626954E-01	1 992	0463	11630334E-03
YDEVA2	4076805340	34122591E-01	11 948	0000	.12098637E-02
YDEVA3	3442140244	26780624E-01	12 853	0000	20519221E-02
YDEVA5	- 6431896621E-01	30768579E-01	-2 090	0366	55443891E-02
YDEVMI1	- 2740611443E-01	23002917E-01	-1 191	2335	.27978179E-02
YDEVRE1	- 4947043268	24529921E-01	-20.167	0000	.27274622E-01
YDEVMR1	1114608818	19720563E-01	5 652	.0000	.18391362E-01
YDEVE2	6686872535E-02	71652186E-01	093	.9256	.81180803E-03
YDEVE3	- 1270808129	43894200E-01	-2 895	0038	14714156E-01
YDEVE4	- 3040875333	47425397E-01	-6 412	0000	44592617E-02
YDEVE5	- 4250823706	50475233E-01	-8 422	0000	19760945E-02
YDEVE6	- 3815195040	52553975E-01	-7 260	0000	10075014E-02
YDEVE7	- 3069650353	52409089E-01	-5 857	0000	66340182E-03

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are FORM1=1

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.2495765286	68303537E-02	-36 539	0000	
AGEX1	- 2636811524	.11677979E-01	-22 579	0000	.35151856E-02
AGEX2	- 1123198193	.46869155E-02	-23 965	0000	61457162E-01
AGEX3	- 1631658185E-01	.37433959E-02	-4 359	.0000	16303431
AGEX5	- 1498410239	42712037E-02	-35 082	0000	69214004E-01
MIG1	1376594783	31648441E-02	43 496	0000	23290448
REG1	- 2493393663	34241862E-02	-72 817	0000	83046260
MRS1	- 9454705176E-01	27276319E-02	-34 663	0000	55858643
ED2	4272146599E-01	96158001E-02	4 443	0000	98542370E-02
ED3	3284649648E-01	59974991E-02	5 477	0000	18637514
ED4	1591834768	65541382E-02	24 287	0000	13696335
ED5	3779443562	.70290809E-02	53 769	0000	10860752
ED6	5777815841	.72391399E-02	79 814	0000	14650122
ED7	.9294538708	71248316E-02	130 453	0000	39545838
YDEV	1 232379426	95224071E-01	12.942	0000	.27344785E-01
YDEVA1	3721720420	.18677111	1 993	0463	25738189E-04
YDEVA2	7800096585	.65304476E-01	11 944	0000	15024407E-02
YDEVA3	6585800431	.51254260E-01	12.849	.0000	42185965E-02
YDEVA5	- 1230606092	58883208E-01	-2 090	0366	19086884E-02
YDEVMI1	- 5243574853E-01	44009460E-01	-1 191	2335	64620887E-02
YDEVRE1	- 9465111057	47345638E-01	-19.992	0000	28094945E-01
YDEVMR1	2132565995	37741501E-01	5 650	0000	16168177E-01
YDEVE2	1279390289E-01	.13709126	*.093	9256	27005765E-03
YDEVE3	- 2431420027	83980298E-01	-2.895	0038	51013967E-02
YDEVE4	- 5818065697	.90708142E-01	-6 414	0000	37584446E-02
YDEVE5	- 8133043574	96539625E-01	-8.425	0000	30552939E-02
YDEVE6	- 7299561133	10052370	-7 262	0000	37202088E-02
YDEVE7	- 5873120553	10024597	-5.859	0000	11008671E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1584701598	42879762E-02	-36 957	0000	
AGEX1	- 1674259779	74048827E-02	-22 610	0000	14483721E-01
AGEX2	- 7131816367E-01	.29764585E-02	-23 961	0000	96436367E-01
AGEX3	- 1036031452E-01	.23767920E-02	-4 359	0000	13918868
AGEX5	- 9514248452E-01	26862507E-02	-35 418	0000	.15719146
MIG1	8740773684E-01	20101567E-02	43 483	0000	13868948
REG1	- 1583195722	.21895543E-02	-72 307	0000	.89053323
MRS1	- 6003323504E-01	17302123E-02	-34 697	0000	67115909
ED2	2712625895E-01	61046097E-02	4.444	0000	28854603E-01
ED3	2085608601E-01	.38072312E-02	5 478	0000	.49893756
ED4	1010745327	41525854E-02	24 340	0000	22644694
ED5	2399781055	44553973E-02	53 862	0000	62899782E-01
ED6	3668659888	.46374405E-02	79 110	0000	47910390E-01
ED7	5901624815	48409540E-02	121 910	0000	72403065E-01
YDEV	.7825069353	60463260E-01	12 942	0000	14617554E-01
YDEVA1	.2363129390	11858956	1 993	0463	- 85883062E-04
YDEVA2	4952719550	41458584E-01	11 946	0000	85743042E-03
YDEVA3	4181694699	32547504E-01	12 848	0000	21142714E-02
YDEVA5	- 7813809461E-01	37388626E-01	-2.090	0366	22923957E-02
YDEVMI1	- 3329440270E-01	27943135E-01	-1.192	.2335	22298296E-02
YDEVRE1	- 6009930782	30100655E-01	-19.966	.0000	12935642E-01
YDEVMR1	1354085963	23960008E-01	5.651	0000	10776983E-01
YDEVE2	8123567738E-02	87046995E-01	.093	.9256	32321915E-03
YDEVE3	- 1543845178	53319197E-01	-2 895	.0038	70183601E-02
YDEVE4	- 3694216784	57582490E-01	-6 416	.0000	.33827666E-02

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE5	- 5164126299	61278194E-01	-8 427	0000	12587667E-02
YDEVE6	-.4634901470	63807773E-01	-7 264	0000	77356717E-03
YDEVE7	- 3729174205	63625475E-01	-5 861	0000	11686662E-02

Marginal Effects for Probit			
Variable	FORM1=0	FORM1=1	All Obs
ONE	- 1304	- 2496	- 1585
AGEX1	- 1378	- 2637	- 1674
AGEX2	- 0587	- 1123	- 0713
AGEX3	- 0085	-.0163	- 0104
AGEX5	-.0783	-.1498	-.0951
MIG1	0719	.1377	.0874
REG1	-.1303	- 2493	- 1583
MRS1	- 0494	-.0945	- 0600
ED2	0223	0427	.0271
ED3	0172	0328	0209
ED4	0832	1592	.1011
ED5	.1975	3779	.2400
ED6	3020	5778	3669
ED7	4858	9295	5902
YDEV	6441	1 2324	7825
YDEVA1	1945	3722	2363
YDEVA2	4077	7800	4953
YDEVA3	.3442	6586	4182
YDEVA5	- 0643	- 1231	- 0781

Marginal Effects for Probit			
Variable	FORM1=0	FORM1=1	All Obs
YDEVMI1	- 0274	- 0524	- 0333
YDEVRE1	- 4947	- 9465	-.6010
YDEVMR1	1115	2133	1354
YDEVE2	0067	0128	0081
YDEVE3	- 1271	-.2431	- 1544
YDEVE4	- 3041	- 5818	- 3694
YDEVE5	- 4251	- 8133	- 5164
YDEVE6	- 3815	- 7300	-.4635
YDEVE7	-.3070	- 5873	- 3729

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****13329		*****
1	4063144713		85344
Total	*****58042		*****

Table C.36 : Estimate of Formal sector (Round III, male)

```
PROBIT,Lhs=FORM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
    ,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,ydeve3
    ,ydeve4,ydeve5,ydeve6,ydeve7,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=
```

Dependent variable is binary, y=0 or y not equal 0					
Ordinary least squares regression			Weighting variable = WTPOP		
Dep var = FORM1	Mean= 2541956856	, S D = 4354087784			
Model size	Observations = 335354, Parameters = 28, Deg.Fr = 335326				
Residuals	Sum of squares= 47615 22000	, Std Dev = 37682			
Fit	R-squared= 251056, Adjusted R-squared = 25100				
Model test	F[27, 335326] = 4163 18,	Prob value = 00000			
Diagnostic	Log-L = **********, Restricted(b=0) Log-L = -197009 4386				
	LogAmemiyaPrCrt = -1 952, Akaike Info Crt = 886				

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	3188885839	44615672E-02	71 475	0000	
AGEX1	- 1513542636	62965668E-02	-24.038	0000	12448330E-01
AGEX2	- 1109459887	.30584277E-02	-36 275	0000	87899610E-01
AGEX3	- 7295475901E-01	23872023E-02	-30 561	0000	13882535
AGEX5	- 2994030669E-01	18899651E-02	-15 842	0000	17727253
MIG1	6384459663E-01	17712509E-02	36 045	.0000	.18542572
REG1	- 2258896947	21732400E-02	-103 941	.0000	.88808361
MRS1	8667986559E-02	18868762E-02	4 594	0000	70318796
ED2	2124427049E-01	54568662E-02	3.893	0001	25701898E-01
ED3	3348340617E-01	.37460546E-02	8 938	0000	47711527
ED4	1123531039	40904062E-02	27 467	0000	23179620
ED5	2758242565	42743517E-02	64.530	0000	10004324
ED6	4152620881	45528757E-02	91 209	0000	65154944E-01
ED7	6809265194	45230301E-02	150 547	.0000	.66165714E-01
YDEV	1 205028527	62830871E-01	19 179	0000	15258715E-01
YDEVA1	3114666550E-01	97881569E-01	318	7503	- 35397354E-04
YDEVA2	.1868644866	43046062E-01	4.341	0000	80249769E-03
YDEVA3	1025027451	.33124096E-01	3 095	0020	.21438333E-02
YDEVA5	-.1250418356	26317740E-01	-4 751	0000	.27313186E-02
YDEVMI1	1178362566	24780044E-01	4 755	0000	32463278E-02
YDEVRE1	- 7874444909	29795754E-01	-26 428	0000	.13538450E-01
YDEVMR1	- 1684881967E-01	26182437E-01	- 644	.5199	.11444097E-01
YDEVE2	- 2292628422	78041681E-01	-2.938	0033	27956217E-03
YDEVE3	- 2599938904	53399444E-01	-4.869	0000	.68144708E-02
YDEVE4	-.3543260635	.57588245E-01	-6 153	0000	37865028E-02
YDEVE5	- 4632414643	59990276E-01	-7 722	0000	18128401E-02
YDEVE6	- 5233675458	64031620E-01	-8 174	0000	10601550E-02
YDEVE7	- 5485189343	63510545E-01	-8 637	0000	10685794E-02

Normal exit from iterations. Exit status=0

Binomial Probit Model	
Maximum Likelihood Estimates	
Dependent variable	FORM1
Weighting variable	WTPOP
Number of observations	335354
Iterations completed	6
Log likelihood function	-150874.2
Restricted log likelihood	-211005 4
Chi-squared	120262 4
Degrees of freedom	27
Significance level	.0000000
Results retained for SELECTION model.	

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Index function for probability					
Constant	- 6040868105	19617279E-01	-30.794	0000	
AGEX1	- 7325772313	.32228887E-01	-22 730	0000	.12448330E-01
AGEX2	- 3990642541	12155191E-01	-32 831	0000	87899610E-01
AGEX3	- 2440917253	91385904E-02	-26 710	0000	13882535

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
AGEX5	-.1408603699	79752404E-02	-17 662	0000	17727253
MIG1	2296275645	67355868E-02	34 092	0000	18542572
REG1	- 7291351210	.78528629E-02	-92.850	0000	88808361
MRS1	.2854217357E-01	73638337E-02	3 876	.0001	70318796
ED2	1244336964	.24901525E-01	4.997	.0000	25701898E-01
ED3	1970138600	.17632711E-01	11.173	0000	.47711527
ED4	4743081488	18639028E-01	25 447	0000	23179620
ED5	9789994763	18876207E-01	51 864	0000	.10004324
ED6	1 329435808	19594084E-01	67 849	0000	.65154944E-01
ED7	2.177845927	20392448E-01	106 797	0000	66165714E-01
YDEV	4 394158832	.27113558	16.207	0000	15258715E-01
YDEVA1	4866319684	49636174	980	3269	- 35397354E-04
YDEVA2	9450374539	16869424	5 602	0000	80249769E-03
YDEVA3	4445807587	12529974	3 548	0004	21438333E-02
YDEVA5	- 5214546730	.11010014	-4.736	0000	27313186E-02
YDEVMI1	.2175378550	.93244846E-01	2 333	0196	.32463278E-02
YDEVRE1	-2 150596704	.10797615	-19.917	.0000	13538450E-01
YDEVMR1	- 1033909490	10114464	-1.022	3067	.11444097E-01
YDEVE2	-1.325814696	.34957478	-3.793	0001	27956217E-03
YDEVE3	-1.501855053	24441462	-6 145	0000	.68144708E-02
YDEVE4	-1 931288114	25606622	-7 542	0000	37865028E-02
YDEVE5	-2 384541780	25975155	-9 180	0000	18128401E-02
YDEVE6	-2 496350570	27042562	-9 231	0000	10601550E-02
YDEVE7	-1 990812027	.28122820	-7 079	.0000	.10685794E-02

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are FORM1=0

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.1618156179	52116601E-02	-31 049	0000	
AGEX1	- 1962341095	.86110567E-02	-22 789	.0000	.13824215E-01
AGEX2	- 1068966045	32688392E-02	-32 702	0000	72363465E-01
AGEX3	- 6538439949E-01	24617633E-02	-26 560	0000	.95588851E-01
AGEX5	- 3773200704E-01	21249724E-02	-17 756	0000	24123211
MIG1	6150991146E-01	17977864E-02	34 214	0000	14611464
REG1	- 1953120778	20951056E-02	-93 223	0000	93639451
MRS1	7645539304E-02	19721399E-02	3 877	0001	73818135
ED2	3333182437E-01	66688148E-02	4 998	0000	31481147E-01
ED3	5277373869E-01	47179592E-02	11 186	.0000	54742217
ED4	1270520475	49773743E-02	25.526	0000	19714705
ED5	2622427811	50395756E-02	52 037	0000	10213090
ED6	3561135138	52369944E-02	68 000	0000	53732934E-01
ED7	.5833755650	.54770008E-02	106 514	0000	23516144E-01
YDEV	1 177055208	72576050E-01	16 218	0000	25453709E-01
YDEVA1	1303532063	13296266	980	3269	12471574E-03
YDEVA2	2531454369	45184744E-01	5 602	0000	14016864E-02
YDEVA3	1190890265	33559983E-01	3 549	0004	22162820E-02
YDEVA5	- 1396810999	29483124E-01	-4 738	0000	64721542E-02
YDEVMI1	5827146334E-01	24974157E-01	2 333	0196	35635830E-02
YDEVRE1	- 5760763661	28745311E-01	-20 041	0000	27385956E-01
YDEVMR1	- 2769514249E-01	27094138E-01	-1 022	3067	19416011E-01
YDEVE2	- 3551435332	93634597E-01	-3 793	0001	75419727E-03
YDEVE3	- 4022991385	65470700E-01	-6 145	0000	13872808E-01
YDEVE4	- 5173305790	68600083E-01	-7 541	0000	48690598E-02
YDEVE5	- 6387428014	69587132E-01	-9 179	0000	28154269E-02
YDEVE6	- 6686928152	72445419E-01	-9 230	0000	13718313E-02
YDEVE7	- 5332751397	75340755E-01	-7 078	0000	63138247E-03

+--+
| Partial derivatives of E[y] = F[*] with |
| respect to the vector of characteristics |
| They are computed at the means of the Xs |
| Observations used for means are FORM1=1 |
+--+

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 2397292912	77822754E-02	-30 805	0000	
AGEX1	- 2907201703	12792872E-01	-22 725	0000	23717020E-02
AGEX2	- 1583669584	48283913E-02	-32 799	0000	39626803E-01
AGEX3	- 9686676695E-01	36307236E-02	-26 680	0000	10072812
AGEX5	- 5589984096E-01	31644557E-02	-17 665	0000	13871227
MIG1	9112672602E-01	26749989E-02	34 066	0000	23859138
REG1	- 2893541834	31214281E-02	-92 699	0000	83564197
MRS1	1132684065E-01	29224136E-02	3 876	0001	73713790
ED2	4938098519E-01	98821616E-02	4.997	0000	99851423E-02
ED3	7818411557E-01	69978880E-02	11.173	0000	24393463
ED4	1882271792	74001966E-02	25.435	0000	12654922
ED5	3885117941	75066022E-02	51 756	0000	17306042
ED6	5275809675	78058782E-02	67.588	0000	.15916243
ED7	8642689287	82180522E-02	105.167	0000	27626175
YDEV	1 743803314	10757121	16 211	0000	28044822E-01
YDEVA1	1931178348	19697876	980	3269	33673554E-04
YDEVA2	3750341095	66942839E-01	5 602	0000	97357075E-03
YDEVA3	1764299904	49722806E-01	3 548	0004	26236829E-02
YDEVA5	- 2069370776	43692233E-01	-4 736	0000	40313766E-02
YDEVMI1	8632897606E-01	37003929E-01	2 333	0196	68648250E-02
YDEVRE1	- 8534551901	42803070E-01	-19 939	0000	28963524E-01
YDEVMR1	- 4103026003E-01	40138884E-01	-1 022	3067	21341099E-01
YDEVE2	- 5261439446	13872658	-3 793	0001	28761732E-03
YDEVE3	- 5960048145	96994761E-01	-6 145	0000	67331881E-02
YDEVE4	- 7664235050	10161728	-7 542	0000	37014535E-02
YDEVE5	- 9462953022	.10307496	-9 181	0000	50404758E-02
YDEVE6	-.9906661465	10730725	-9 232	0000	42571266E-02
YDEVE7	- 7900453177	.11157780	-7 081	0000	77193141E-02

+--+
| Partial derivatives of E[y] = F[*] with |
| respect to the vector of characteristics |
| They are computed at the means of the Xs |
| Observations used for means are All Obs. |
+--+

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1825245966	58821853E-02	-31 030	0000	
AGEX1	- 2213479276	97185213E-02	-22 776	0000	12448330E-01
AGEX2	- 1205771103	36689459E-02	-32.864	0000	87899610E-01
AGEX3	- 7375222054E-01	27613078E-02	-26 709	0000	13882535
AGEX5	- 4256090637E-01	24075367E-02	-17 678	0000	17727253
MIG1	.6938187994E-01	20332764E-02	34 123	0000	18542572
REG1	- 2203078953	23891064E-02	-92 214	.0000	88808361
MRS1	8624006725E-02	.22250062E-02	3 876	0001	70318796
ED2	3759759332E-01	75230333E-02	4 998	0000	25701898E-01
ED3	5952766171E-01	53245134E-02	11 180	0000	47711527
ED4	1433120240	56229656E-02	25 487	0000	23179620
ED5	2958043138	56847581E-02	52 035	0000	10004324
ED6	4016885160	59114080E-02	67 951	0000	65154944E-01
ED7	6580353060	62596665E-02	105 123	0000	66165714E-01
YDEV	1 327693394	81913390E-01	16 209	0000	15258715E-01
YDEVA1	1470356614	14997349	980	3269	- 35397354E-04
YDEVA2	2855427018	50965321E-01	5 603	0000	80249769E-03
YDEVA3	1343299046	37858580E-01	3 548	0004	21438333E-02
YDEVA5	- 1575573281	33265774E-01	-4 736	0000	.27313186E-02
YDEVMI1	6572897890E-01	28174566E-01	2 333	0197	32463278E-02
YDEVRE1	- 6498019639	32666576E-01	-19 892	0000	13538450E-01
YDEVMR1	- 3123953531E-01	.30560877E-01	-1 022	3067	.11444097E-01
YDEVE2	- 4005943985	10561675	-3 793	0001	.27956217E-03
YDEVE3	- 4537849244	73836644E-01	-6 146	0000	68144708E-02

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
YDEVE4	- 5835379579	.77352429E-01	-7 544	.0000	37865028E-02
YDEVE5	- 7204883782	78459005E-01	-9 183	.0000	.18128401E-02
YDEVE6	- 7542713608	81683967E-01	-9.234	0000	.10601550E-02
YDEVE7	- 6015230852	84944850E-01	-7 081	0000	.10685794E-02

Marginal Effects for Probit			
Variable	FORM1=0	FORM1=1	All Obs
ONE	- 1618	- 2397	- 1825
AGEX1	- 1962	- 2907	- 2213
AGEX2	-.1069	- 1584	- 1206
AGEX3	-.0654	- 0969	- 0738
AGEX5	-.0377	- 0559	-.0426
MIG1	.0615	0911	.0694
REG1	- 1953	-.2894	- 2203
MRS1	0076	0113	0086
ED2	0333	0494	.0376
ED3	0528	.0782	.0595
ED4	1271	1882	1433
ED5	.2622	.3885	2958
ED6	.3561	.5276	4017
ED7	.5834	.8643	.6580
YDEV	1 1771	1 7438	1 3277
YDEVA1	.1304	1931	1470
YDEVA2	2531	3750	.2855
YDEVA3	1191	1764	1343
YDEVA5	- 1397	- 2069	- 1576

Marginal Effects for Probit			
Variable	FORM1=0	FORM1=1	All Obs
YDEVMI1	0583	0863	0657
YDEVRE1	- 5761	- 8535	- 6498
YDEVMR1	- 0277	- 0410	- 0312
YDEVE2	-.3551	-.5261	- 4006
YDEVE3	-.4023	- 5960	- 4538
YDEVE4	- 5173	- 7664	- 5835
YDEVE5	-.6387	- 9463	- 7205
YDEVE6	- 6687	- 9907	- 7543
YDEVE7	- 5333	- 7900	- 6015

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****14448		*****
1	6353744824		*****
Total	*****59272		*****

Table C.37 : Estimate of Looking for work (Round I, Female)

```
REGRESS,Lhs=LENLKWK,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed
   ,MILLS,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,y
   ,ydeve4,ydeve5,ydeve6,ydeve7,ydevml,Wts=WTPOP$
```

```
+----------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = LENLKWK  Mean=   87 64964802    , S D =   119 4243630    |
| Model size  Observations =    1952, Parameters =  30, Deg Fr =   1922 |
| Residuals   Sum of squares= 24669928 39    , Std Dev.=      113 29409 |
| Fit         R-squared=  .113406, Adjusted R-squared =          10003 |
| Model test  F[ 29,   1922] =    8 48,    Prob value =          00000 |
| Diagnostic  Log-L = -12604.9452, Restricted(b=0) Log-L =  -12722 4246 |
|             LogAmemiyaPrCrt =    9 475, Akaike Info  Crt =     12 946 |
| Autocorrel  Durbin-Watson Statistic =   1 69198,   Rho =        15401 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Constant	192.2182018	61 241534	3.139	0017	
AGEX1	6 009680166	30 774234	195	8452	11074042E-01
AGEX2	10 85368993	8 8849859	1.222	2219	20959955
AGEX3	-7 951345779	6.9942924	-1 137	2556	31622858
AGEX5	14 08361467	27 089345	520	6031	20920162E-01
MIG1	-32 87966374	12 180315	-2 699	.0069	38860232
REG1	39 78417862	29 378329	1.354	1757	83964525
MRS1	25 63767308	10 617600	2.415	0158	43088313
ED2	3 399609517	29.401909	116	9079	14292574E-01
ED3	27 25761914	17 586363	1.550	.1212	18005975
ED4	9977284518	18 186545	055	9562	.29216303
ED5	-26 06936899	32 222463	- 809	4185	14660592
ED6	8 099537766	36 332257	223	8236	12804677
ED7	4 614757357	45 136414	102	9186	21010211
MILLS	-109 8739704	49 586543	-2 216	0267	1 3050538
YDEV	826 3025457	749.82195	1 102	2705	- 20214773E-01
YDEVA1	243 0573606	480.99792	505	6133	- 29300871E-03
YDEVA2	432 2458065	115.17776	3.753	0002	-.19876203E-02
YDEVA3	96 03025595	87 877320	1.093	.2745	- 49985208E-02
YDEVA5	-288.6623074	359.44316	- 803	.4219	- 86388405E-03
YDEVMI1	161 8734757	151.81417	1 066	.2863	-.65542330E-02
YDEVRE1	278 0792069	363 79649	764	.4446	-.21120179E-01
YDEVMR1	37 44846495	131 73057	284	.7762	-.11815791E-01
YDEVE2	-220 5166694	399 30783	- 552	.5808	-.42385706E-03
YDEVE3	164 1000183	221 34831	741	4585	-.36429192E-02
YDEVE4	-428 5152506	221 04939	-1.939	0526	-.30887738E-02
YDEVE5	-844 7783717	390 00617	-2 166	0303	- 50814827E-02
YDEVE6	-667 2900247	439 92868	-1 517	1293	- 14526142E-02
YDEVE7	-714 4552093	551 17521	-1 296	1949	- 58371023E-02
YDEVML	-657 3472990	612.60636	-1 073	2833	- 28270353E-01

Table C.38 : Estimate of looking for work (Round I, Male)

```
REGRESS,Lhs=LENLKWK;Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed
      ,MILLS,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,y.
       ydeve4,ydeve5,ydeve6,ydeve7,ydevml,Wts=WTPOP$
```

```
+----------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep. var  = LENLKWK  Mean=   80.00857739    , S.D.=   135 8937633    |
| Model size: Observations =    2715, Parameters =  30, Deg Fr =   2685 |
| Residuals:  Sum of squares= 45546407.59     , Std Dev =      130 24316 |
| Fit         R-squared=   091248, Adjusted R-squared =          08143 |
| Model test  F[ 29,   2685] =    9 30,     Prob value =          00000 |
| Diagnostic  Log-L = -17965 0512, Restricted(b=0) Log-L =  -18094.9414 |
|             LogAmemiyaPrCrt =    9 750, Akaike Info  Crt.=     13 256 |
| Autocorrel  Durbin-Watson Statistic =   1 76871,   Rho =        11564 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
Constant	-81.66416672	54.264462	-1 505	1323	
AGEX1	-33 48791854	44 911876	- 746	.4559	.46770015E-02
AGEX2	-18 95262685	8.6112546	-2 201	0277	19258016
AGEX3	-21 93479426	7.1336784	-3 075	0021	32813508
AGEX5	9 353819528	16 153134	579	5625	40355101E-01
MIG1	-16 52416984	6.2526623	-2 643	.0082	.37202334
REG1	-83 09947319	39 810732	-2 087	0369	83823837
MRS1	27.59210916	8.9239589	3 092	0020	37281006
ED2	-39 24593904	34 247377	-1 146	2518	11242553E-01
ED3	-13.37095535	24 342545	- 549	.5828	.17201660
ED4	-17.00797175	23.023217	- 739	.4601	.31236421
ED5	74.92405185	24.128090	3.105	0019	18935259
ED6	122 0055788	32 102675	3 800	0001	16292400
ED7	169 1446785	36.690114	4 610	0000	12883467
MILLS	167 7436955	67.438341	2 487	0129	1 1293615
YDEV	-3805.989614	772 52371	-4 927	0000	- 18244299E-01
YDEVA1	-3354.544973	822 37247	-4 079	0000	55044019E-04
YDEVA2	-171 9407847	107 64596	-1 597	.1102	- 17538234E-02
YDEVA3	-220.6325993	91 353042	-2 415	0157	-.47048153E-02
YDEVA5	-203.7859266	193 43912	-1 053	2921	- 16544150E-02
YDEVMI1	256.0595298	79 997947	3 201	0014	- 87693634E-02
YDEVRE1	-2511 259270	551 94131	-4 550	0000	- 19748609E-01
YDEVMR1	572 7024230	117.73279	4 864	0000	- 10675769E-01
YDEVE2	-1324 102727	469 43222	-2 821	0048	- 24316569E-03
YDEVE3	-1074 101852	327 87641	-3 276	0011	- 58449918E-02
YDEVE4	-857 7383986	307 96610	-2 785	0053	- 30772597E-02
YDEVE5	1099 445955	336 88219	3 264	0011	- 26007625E-02
YDEVE6	1866 555801	456 26430	4 091	.0000	-.16180809E-02
YDEVE7	2011 813552	521 41534	3.858	.0001	- 40291878E-02
YDEVML	4723 941679	944 36808	5.002	0000	- 22618074E-01

Table C.39 :Estimate of looking for work (Round III, Female)

```
REGRESS,Lhs=LENLKWK,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed
     ,MILLS,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,y
     ,ydeve4,ydeve5,ydeve6,ydeve7,ydevml,Wts=WTPOP$
```

```
+----------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = LENLKWK  Mean=   89 91480025    , S D =   112 9569654    |
| Model size  Observations =    1529, Parameters =  30, Deg Fr =   1499 |
| Residuals   Sum of squares= 17093742 64    , Std Dev =      106 78685 |
| Fit         R-squared=    123226, Adjusted R-squared =          10626 |
| Model test  F[ 29,   1499] =    7 26,    Prob value =          00000 |
| Diagnostic  Log-L =  -9747 5297, Restricted(b=0) Log-L =   -9848 0658 |
|             LogAmemiyaPrCrt =    9 361, Akaike Info. Crt =     12 789 |
| Autocorrel  Durbin-Watson Statistic =   1 72687,   Rho =        13657 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	43 24009640	43 083401	1 004	3156	
AGEX1	-64 71484379	30 391156	-2.129	0332	10640416E-01
AGEX2	16 85116717	9 7349422	1.731	0835	21665081
AGEX3	16 55804941	7 1772551	2 307	0211	35955823
AGEX5	-3 295946065	25 259916	- 130	8962	20151764E-01
MIG1	-16 76406715	11 087682	-1 512	1305	32663711
REG1	-18 10291751	18 911438	- 957	3384	75977984
MRS1	-22 93807121	14 362420	-1 597	1102	31916939
ED2	8 529754752	28 355830	301	7636	18892486E-01
ED3	-5 078963210	21 740266	- 234	8153	13476095
ED4	-6 843465366	20 653713	- 331	7404	18672564
ED5	8 295975197	25 278597	328	7428	13582322
ED6	35 69012777	27 806412	1 284	1993	18344761
ED7	70 56009779	31.525476	2 238	0252	31349306
MILLS	33 47657311	39 507929	847	3968	1.0258858
YDEV	2183 200705	538 12294	4 057	0000	- 11432815E-01
YDEVA1	478 3101191	412 24972	1 160	2459	- 22176872E-03
YDEVA2	-46.38354226	129 48842	- 358	7202	- 70998397E-03
YDEVA3	-73.97256469	96 320298	- 768	4425	- 21260814E-02
YDEVA5	905 9773406	314 68541	2 879	0040	- 58172209E-03
YDEVMI1	-558 1345553	140 03997	-3 986	0001	- 16706409E-02
YDEVRE1	804 1619649	237 72904	3 383	0007	- 11593404E-01
YDEVMR1	931 6596270	185 64064	5 019	0000	- 53249757E-02
YDEVE2	-477 9859182	378 34965	-1 263	2065	- 37679714E-03
YDEVE3	860 6917486	256 50452	3 355	0008	- 33235735E-02
YDEVE4	339 9541788	240.26235	1 415	1571	- 13045593E-02
YDEVE5	-946 0475415	303 33795	-3 119	0018	-.13772060E-02
YDEVE6	-990 1570917	335 07551	-2 955	0031	-.18377315E-02
YDEVE7	-1527.768524	384 61725	-3 972	0001	-.41739079E-02
YDEVML	-2384.553534	499 43435	-4 775	0000	-.14434385E-01

Table C.40 : Estimate of looking for work (Round III, Male)

```
REGRESS,Lhs=LENLKWK,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed
      ,MILLS,ydev,ydeva1,ydeva2,ydeva3,ydeva5,ydevmi1,ydevre1,ydevmr1,ydeve2,y
      ,ydeve4,ydeve5,ydeve6,ydeve7,ydevml,Wts=WTPOP$
```

```
+----------------------------------------------------------------------+
| Ordinary     least squares regression    Weighting variable = WTPOP  |
| Dep. var  = LENLKWK  Mean=    88.56526742    , S.D =    111 8015182   |
| Model size  Observations =    2053, Parameters =  30, Deg.Fr =   2023 |
| Residuals·  Sum of squares= 22137768.32    , Std Dev =      104.60898 |
| Fit         R-squared=    136900, Adjusted R-squared =          .12453 |
| Model test: F[ 29,    2023] =    11 06,    Prob value =           00000 |
| Diagnostic: Log-L = -13075.5974, Restricted(b=0) Log-L =  -13226 7236 |
|             LogAmemiyaPrCrt =    9.315, Akaike Info  Crt =     12 767 |
| Autocorrel  Durbin-Watson Statistic =   1 75888,   Rho =        12056 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z)	Mean of X
Constant	48 94254251	103 15115	.474	.6352	
AGEX1	-63.98094395	52.077039	-1.229	.2192	59681349E-02
AGEX2	-19.04067864	15.015189	-1 268	2048	17887262
AGEX3	-16 09436303	9.8445109	-1.635	1021	34418206
AGEX5	16 72379315	29.028550	576	5645	.27396775E-01
MIG1	-21.07520086	6 0012011	-3 512	0004	31009415
REG1	-24.03724575	31 688173	- 759	4481	82000844
MRS1	-9 923749068	6 3729800	-1 557	1194	34310012
ED2	28.69699255	48.101617	.597	.5508	17596144E-01
ED3	34 44705407	41.129372	.838	.4023	18808869
ED4	36 19670487	38.941163	930	3526	.22616660
ED5	71 27467027	61 461340	1 160	2462	18659052
ED6	74 21430501	64 368480	1 153	2489	18597537
ED7	85 91271903	74 866312	1 148	2512	18750845
MILLS	22 15610125	101.33578	219	8269	91773796
YDEV	6357 224455	1233 5334	5 154	0000	- 20559711E-01
YDEVA1	2882 991574	573 02009	5 031	.0000	- 45765181E-04
YDEVA2	1101 561270	181 81994	6 059	.0000	-.24712244E-02
YDEVA3	442 4761149	121 04252	3 656	0003	-.62198902E-02
YDEVA5	1323.086301	345 46047	3 830	0001	- 90400827E-03
YDEVMI1	119 5615473	79 223835	1 509	1313	- 55041951E-02
YDEVRE1	2441 111933	362 75706	6 729	0000	- 21229280E-01
YDEVMR1	-85 54440755	82 784511	-1 033	3014	- 75189758E-02
YDEVE2	-1491 090786	649.23873	-2.297	0216	- 87120276E-04
YDEVE3	-1043 209667	577 26031	-1 807	0707	- 51751861E-02
YDEVE4	-546 2529190	557 69103	- 979	3273	- 33703430E-02
YDEVE5	-3577 308581	781 76985	-4 576	0000	- 45720244E-02
YDEVE6	-3875 351437	811 32387	-4 777	0000	- 24181831E-02
YDEVE7	-4568 471998	921 54054	-4 957	.0000	-.45222746E-02
YDEVML	-6814.132349	1159.4794	-5.877	.0000	-.19813882E-01

Appendix D

Basic Estimation

List of Tables in Appendix D

Table D .1: Estimate of Log Real Wage (Round I, Female)

```
REGRESS,Lhs=LnRWAGEM,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,e
       ,Wts=WTPOP$
```

```
+------------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP     |
| Dep  var  = LNRWAGEM Mean=   2 722757379     , S D =    8358326607     |
| Model size  Observations =  129260, Parameters =  15, Deg Fr = 129245   |
| Residuals   Sum of squares= 37732 97357     , Std Dev =          54032 |
| Fit         R-squared=   582149, Adjusted R-squared =          58210 |
| Model test  F[ 14, 129245] =12861 70,     Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -205856 8457 |
|             LogAmemiyaPrCrt =   -1 231, Akaike Info  Crt =      2.313 |
| Autocorrel  Durbin-Watson Statistic =   1 52583,   Rho =         23708 |
+------------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	3 217487563	19659300E-01	163 662	0000	
AGEX1	- 5083931387	15579335E-01	-32 633	0000	10604537E-01
AGEX2	- 3903995120	59824741E-02	-65 257	0000	10902556
AGEX3	- 3305037964	46860676E-02	-70 529	0000	18584234
AGEX5	4592923047	92119294E-02	49 858	0000	71732445E-01
MIG1	- 3947533735	70825538E-02	-55 736	0000	23245051
REG1	- 3509232476E-01	51890897E-02	-6 763	0000	81072688
MRS1	2895053387	49727697E-02	58 218	0000	56329010
ED2	8112696931E-01	12788839E-01	6 344	0000	21096777E-01
ED3	2672056493	80469124E-02	33 206	0000	32434711
ED4	3399527383	88822228E-02	38 273	0000	24153172
ED5	5435462718	10518015E-01	51 678	0000	92829008E-01
ED6	6586875431	12558975E-01	52 448	0000	94415153E-01
ED7	9567170073	17006714E-01	56 255	0000	18527533
MILLS	-1 101800957	20331619E-01	-54 192	0000	83640860

Table D.2: Estimate of Log Real Wage (Round I, Male)

```
REGRESS;Lhs=LnRWAGEM;Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,e .
        ;Wts=WTPOP$
```

```
+----------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var. = LNRWAGEM Mean=   2.888890874     , S D =    .7799556426  |
| Model size. Observations =  166770, Parameters =  15, Deg.Fr = 166755 |
| Residuals   Sum of squares= 51555 25528     , Std Dev.=          55603 |
| Fit         R-squared=  .491820, Adjusted R-squared =          .49178 |
| Model test. F[ 14, 166755] =11527 60,     Prob value =          .00000 |
| Diagnostic. Log-L = ***********, Restricted(b=0) Log-L = -253579.9294 |
|             LogAmemiyaPrCrt =   -1.174, Akaike Info  Crt.=      2.364 |
| Autocorrel  Durbin-Watson Statistic =   1.59106,   Rho =         20447 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
Constant	3 968754228	32544173E-01	121.950	.0000	
AGEX1	- 9052923860E-01	22968326E-01	-3.941	.0001	57308245E-02
AGEX2	- 2792713902	66688091E-02	-41 877	.0000	82044445E-01
AGEX3	- 2927531184	44702742E-02	-65 489	.0000	.16284989
AGEX5	.8044846267	12211637E-01	65.879	.0000	10335923
MIG1	- 4674767561	89436786E-02	-52 269	.0000	24687093
REG1	- 6645487392E-02	73553765E-02	- 903	.3663	83994207
MRS1	3627194476	54086124E-02	67.063	.0000	66574267
ED2	8279114692E-01	13581562E-01	6.096	.0000	19797532E-01
ED3	.2112238772	97169990E-02	21 738	.0000	36913777
ED4	1822217851	11901371E-01	15.311	.0000	23913793
ED5	3076094788	14148728E-01	21 741	0000	12670561
ED6	3640432583	.16555565E-01	21 989	0000	95301284E-01
ED7	5413699000	.25579695E-01	21.164	.0000	12835243
MILLS	-1 832447447	37779355E-01	-48 504	.0000	80697498

Table D.3: Estimate of Log Real Wage (Round III, Female)

```
REGRESS,Lhs=LnRWAGEM,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,e
       ,Wts=WTPOP$

+----------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = LNRWAGEM Mean=   2 756559758    , S D =    8475213038    |
| Model size  Observations =  116496, Parameters =  15, Deg Fr = 116481 |
| Residuals   Sum of squares= 34766 25959     , Std Dev =          54633 |
| Fit         R-squared=   584521, Adjusted R-squared =          58447 |
| Model test  F[ 14, 116481] =11705.16,     Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -184793 4897 |
|             LogAmemiyaPrCrt.=   -1 209, Akaike Info. Crt.=      2 294 |
| Autocorrel  Durbin-Watson Statistic =   1 56832,   Rho =       .21584 |
+----------------------------------------------------------------------+
+---------+-------------+----------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+-------------+----------------+--------+---------+----------+
 Constant  2 719355150      16279481E-01  167 042    0000
 AGEX1     - 5851249444     17123099E-01  -34 172    0000   10203886E-01
 AGEX2     - 3298421785     66514638E-02  -49 589    0000   10749318
 AGEX3     - 2623109191     48322406E-02  -54 283    0000   18441927
 AGEX5       2765927308     78600623E-02   35 190    0000   79914870E-01
 MIG1      - 2677301762     66337852E-02  -40 359    0000   .22608556
 REG1      - 4784894611E-01 74684184E-02   -6 407   .0000   .77973099
 MRS1        2395327183     53458333E-02   44.807   .0000   .54754489
 ED2        .7147769953E-01 13178339E-01    5.424   .0000   .21860734E-01
 ED3        .3037694121     .84493728E-02   35 952    0000   .31588805
 ED4         4916712990     89022176E-02   55 230    0000   .22071301
 ED5         6748040314     10652979E-01   63 344    0000   96307154E-01
 ED6         8725002218     12747730E-01   68 444    0000   10023070
 ED7        1 287059655     .16407360E-01  78 444    0000   19942177
 MILLS     - 5786062425     17833416E-01  -32 445    0000   93942790
```

Table D.4: Estimate of Log Real Wage (Round III, Male)

```
REGRESS,Lhs=LnRWAGEM,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,e
       ,Wts=WTPOP$
```

```
+----------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep. var. = LNRWAGEM Mean=   2.954930517    , S D =    8027974557    |
| Model size. Observations =  141677, Parameters =  15, Deg.Fr.= 141662 |
| Residuals:  Sum of squares= 45388.90638    , Std.Dev =          56604 |
| Fit·        R-squared=  .502903, Adjusted R-squared =          50285 |
| Model test· F[ 14, 141662] =10236 88,    Prob value =          .00000 |
| Diagnostic: Log-L = ***********, Restricted(b=0) Log-L = -216912 6380 |
|             LogAmemiyaPrCrt.=   -1.138, Akaike Info. Crt.=      2 363 |
| Autocorrel. Durbin-Watson Statistic =   1.62061,   Rho =        18970 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P(|Z|>z)	Mean of X
Constant	2 858362526	18092508E-01	157.986	0000	
AGEX1	- 5268563055	21894995E-01	-24 063	0000	59827882E-02
AGEX2	- 3562548957	.75412967E-02	-47 241	0000	80978144E-01
AGEX3	- 2474366899	50918905E-02	-48 594	0000	15920443
AGEX5	3695966806	64799457E-02	57.037	0000	.10814309
MIG1	-.1504990623	46796301E-02	-32 160	.0000	23748878
REG1	-.1896885519	72319951E-02	-26 229	.0000	.80353018
MRS1	.2341338655	.42461595E-02	55 140	.0000	.65873017
ED2	.1039733057	.14566675E-01	7 138	.0000	.20008172E-01
ED3	2918678843	.10229264E-01	28.533	.0000	.34447885
ED4	4472043947	10872757E-01	41.131	.0000	.22016074
ED5	6382203686	12335295E-01	51 739	.0000	.13569946
ED6	7791644335	13692018E-01	56.906	.0000	.10943340
ED7	1.322308231	16863960E-01	78.410	.0000	.14689553
MILLS	- 4370594607	18068106E-01	-24.190	.0000	.92726408

Table D.5: Estimate of Above the 20th percentile (Round I, Female)

```
PROBIT,Lhs=RWAGEM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3
       ,Wts=WTPOP,Prob=prob,Margin=RWAGEM1(rwagem1=0, rwagem1=1)$

+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = RWAGEM1  Mean=    7340411607    , S D =    4418441415    |
| Model size  Observations =  129260, Parameters =  15, Deg Fr.= 129245 |
| Residuals.  Sum of squares= 20198.92315    , Std.Dev.=          39533 |
| Fit         R-squared=   199559, Adjusted R-squared =          19947 |
| Model test  F[ 14, 129245] = 2301 59,    Prob value =          00000 |
| Diagnostic  Log-L = -63446 0116, Restricted(b=0) Log-L =  -77832 1771 |
|             LogAmemiyaPrCrt =   -1 856, Akaike Info. Crt =       982 |
+----------------------------------------------------------------------+
+---------+--------------+---------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+--------------+---------------+--------+---------+----------+
 Constant   9514430146       14383734E-01   66 147    0000
 AGEX1    - 4590994530       11398626E-01  -40 277    0000   10604537E-01
 AGEX2    - 2557739659       43770793E-02  -58.435    0000   10902556
 AGEX3    - 1078853412       34285631E-02  -31.467    0000   18584234
 AGEX5      8082670027E-01   67399115E-02   11 992    0000   71732445E-01
 MIG1     - 1317452007       51819531E-02  -25 424    0000   23245051
 REG1     - 1941087300E-01   37965994E-02   -5 113   .0000  .81072688
 MRS1       1071484576       36383287E-02   29 450    0000   56329010
 ED2        3233618228E-01   93569589E-02    3 456    0005   21096777E-01
 ED3        1431955665       58875264E-02   24 322    0000   32434711
 ED4        1991571417       64986815E-02   30 646    0000   24153172
 ED5        3296896085       76955094E-02   42 842    0000   92829008E-01
 ED6        2763695028       91887787E-02   30 077   .0000   94415153E-01
 ED7        1703884620       12442969E-01   13.694    0000   18527533
 MILLS    - 4398414728       14875636E-01  -29.568    0000   83640860

Normal exit from iterations. Exit status=0.

              +---------------------------------------------+
              | Binomial Probit Model                       |
              | Maximum Likelihood Estimates                |
              | Dependent variable              RWAGEM1     |
              | Weighting variable                WTPOP     |
              | Number of observations           129260     |
              | Iterations completed                  7     |
              | Log likelihood function       -58883 27     |
              | Restricted log likelihood     -67536 31     |
              | Chi-squared                    17306 08     |
              | Degrees of freedom                   14     |
              | Significance level             0000000     |
              +---------------------------------------------+
+---------+--------------+---------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er.|P[|Z|>z] | Mean of X|
+---------+--------------+---------------+--------+---------+----------+
         Index function for probability
 Constant   2 846902177       95416770E-01   29 836    0000
 AGEX1     -1 074683401       44013394E-01  -24.417    0000   10604537E-01
 AGEX2     - 8099253233       15578976E-01  -51.988    0000   10902556
 AGEX3     - 5745387528       15403536E-01  -37 299    0000  .18584234
 AGEX5       8615195841       43191123E-01   19 947    0000  .71732445E-01
 MIG1      - 9883423377       36905443E-01  -26 780    0000   23245051
 REG1       .9280949226E-01   23891269E-01    3 885    0001   81072688
 MRS1        7111939492      .23459716E-01   30.316    0000   56329010
 ED2         1620955423E-01  .30295886E-01     .535    5926  .21096777E-01
 ED3         4444538834      .19761087E-01   22.491    0000  .32434711
 ED4         4722583302       23101331E-01   20 443   .0000  .24153172
 ED5         7373163693       34581626E-01   21 321   .0000  .92829008E-01
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
ED6	5084480496	.51074391E-01	9 955	0000	.94415153E-01
ED7	.4834015398	.79687149E-01	6 066	0000	.18527533
MILLS	-2.953374244	11020405	-26 799	0000	83640860

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are RWAGEM1=

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	1 095656826	.36730768E-01	29.829	0000	
AGEX1	- 4136019192	.17011475E-01	-24.313	.0000	31691021E-01
AGEX2	- 3117073064	.60327796E-02	-51.669	.0000	19400479
AGEX3	- 2211165918	.59346192E-02	-37.259	.0000	.16717282
AGEX5	3315638384	.16634018E-01	19.933	0000	.10686341
MIG1	- 3803727566	.14245268E-01	-26.702	.0000	30108257
REG1	3571859776E-01	.91936445E-02	3.885	.0001	89810283
MRS1	2737096172	90675870E-02	30.185	0000	46911287
ED2	6238397962E-02	.11659725E-01	.535	.5926	.39837079E-01
ED3	.1710522178	.76257886E-02	22.431	.0000	.43881525
ED4	.1817530182	89110541E-02	20.396	.0000	.32820036
ED5	2837630740	.13330019E-01	21.288	.0000	.70384794E-01
ED6	1956809689	.19665620E-01	9 950	.0000	.32619958E-01
ED7	1860415863	30674574E-01	6 065	.0000	.70742077E-02
MILLS	-1.136633593	42489883E-01	-26.751	.0000	.99060175

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics They are computed at the means of the Xs Observations used for means are RWAGEM1=

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	4188401474	.13693682E-01	30 586	.0000	
AGEX1	- 1581088938	.71593908E-02	-22.084	0000	.21921379E-02
AGEX2	-.1191573229	.28394068E-02	-41.966	0000	.56610481E-01
AGEX3	- 8452692822E-01	.23024946E-02	-36.711	.0000	15957184
AGEX5	1267479412	.61075699E-02	20.753	.0000	68351256E-01
MIG1	-.1454062784	52368025E-02	-27.766	.0000	.23509198
REG1	1365425962E-01	34670449E-02	3 938	.0001	85190232
MRS1	1046318279	33577815E-02	31.161	.0000	.57682851
ED2	2384771819E-02	44586867E-02	535	.5927	.12896091E-01
ED3	.6538866406E-01	30033395E-02	21 772	0000	22590870
ED4	6947929236E-01	36507574E-02	19 031	0000	.14691274
ED5	1084749941	56079798E-02	19 343	.0000	10746413
ED6	7480357344E-01	78084050E-02	9 580	0000	13458937
ED7	7111869662E-01	11710624E-01	6 073	.0000	34953738
MILLS	- 4345044638	15652268E-01	-27 760	.0000	71003366

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	7283032694	23425752E-01	31 090	0000	
AGEX1	- 2749288124	11577251E-01	-23 747	0000	10604537E-01
AGEX2	- 2071975868	41055554E-02	-50.468	0000	10902556
AGEX3	- 1469802705	38260578E-02	-38 416	0000	18584234
AGEX5	2203965893	10762371E-01	20 478	0000	71732445E-01
MIG1	- 2528407761	91031857E-02	-27 775	0000	23245051
REG1	2374280971E-01	60848551E-02	3 902	0001	81072688
MRS1	1819398231	57756215E-02	31 501	0000	56329010
ED2	4146778009E-02	77514115E-02	.535	5927	21096777E-01
ED3	1137015592	50510966E-02	22.510	0000	32434711
ED4	1208145783	60172083E-02	20 078	0000	24153172
ED5	1886225409	91029324E-02	20 721	0000	.92829008E-01
ED6	1300727436	.13234024E-01	9 829	0000	94415153E-01
ED7	1236652684	20385333E-01	6 066	0000	18527533
MILLS	- 7555412811	27226797E-01	-27 750	0000	83640860

Marginal Effects for Probit			
Variable	RWAGEM1= 1	RWAGEM1= 0	All Obs
ONE	1 0957	4188	7283
AGEX1	- 4136	- 1581	-.2749
AGEX2	- 3117	- 1192	-.2072
AGEX3	-.2211	- 0845	-.1470
AGEX5	3316	.1267	.2204
MIG1	- 3804	-.1454	-.2528
REG1	0357	.0137	.0237
MRS1	.2737	.1046	.1819
ED2	.0062	.0024	0041
ED3	.1711	0654	1137
ED4	1818	.0695	.1208
ED5	.2838	.1085	1886
ED6	.1957	.0748	1301
ED7	.1860	0711	1237
MILLS	-1.1366	- 4345	- 7555

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	723420755		27989
1	506296209		*****
Total	12296*****		*****

Table D.6: Estimate of Above the 20th percentile (Round I, Male)

```
PROBIT,Lhs=RWAGEM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3.
      ,Wts=WTPOP;Prob=prob;Margin=RWAGEM1(rwagem1=0, rwagem1=1)$
```

```
+------------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                     |
| Ordinary    least squares regression    Weighting variable = WTPOP     |
| Dep. var. = RWAGEM1  Mean=   .8324916192    , S.D.=    3734302604     |
| Model size: Observations =  166770, Parameters =  15, Deg.Fr.= 166755 |
| Residuals   Sum of squares= 20473.82670    , Std.Dev.=          35040 |
| Fit.        R-squared=  .119631, Adjusted R-squared =          11956 |
| Model test  F[ 14, 166755] = 1618 57,    Prob value =          00000 |
| Diagnostic  Log-L = -61738 9883, Restricted(b=0) Log-L =  -72363 4277 |
|             LogAmemiyaPrCrt.=   -2 097, Akaike Info. Crt =       .741 |
+------------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	9481017298	20508612E-01	46.229	.0000	
AGEX1	-.4384218933	14474127E-01	-30.290	.0000	.57308245E-02
AGEX2	-.2200690599	.42025349E-02	-52 366	.0000	.82044445E-01
AGEX3	-.8914862333E-01	28170672E-02	-31 646	0000	.16284989
AGEX5	8179610218E-01	76955015E-02	10 629	0000	10335923
MIG1	- 5586482492E-01	56361070E-02	-9.912	0000	24687093
REG1	- 5386653986E-01	46351943E-02	-11.621	0000	83994207
MRS1	6605511477E-01	.34083870E-02	19.380	0000	66574267
ED2	1010848881	.85587975E-02	11.811	.0000	19797532E-01
ED3	1528062980	.61234362E-02	24.954	.0000	36913777
ED4	.1803023271	.74999786E-02	24.040	.0000	23913793
ED5	.2396201813	.89162133E-02	26 875	.0000	.12670561
ED6	.2339423905	.10432948E-01	22 423	0000	.95301284E-01
ED7	1682827208	16119754E-01	10 440	0000	.12835243
MILLS	- 3094258034	23807708E-01	-12.997	0000	80697498

```
Normal exit from iterations. Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable              RWAGEM1   |
| Weighting variable                WTPOP   |
| Number of observations           166770   |
| Iterations completed                  7  |
| Log likelihood function        -63958 31  |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Index function for probability					
Constant	2 035424063	93155543E-01	21.850	0000	
AGEX1	-1 097779104	60765882E-01	-18.066	0000	57308245E-02
AGEX2	-.7452072980	18266739E-01	-40.796	0000	82044445E-01
AGEX3	-.4301412791	.12913036E-01	-33.311	.0000	16284989
AGEX5	3944659051	.37834860E-01	10 426	.0000	10335923
MIG1	- 3122181617	27578399E-01	-11 321	0000	.24687093
REG1	- 4868930985	24785024E-01	-19 645	0000	83994207
MRS1	3285251343	.17148297E-01	19 158	0000	66574267
ED2	2675674813	.32495144E-01	8 234	0000	19797532E-01
ED3	4090667365	.22846806E-01	17 905	.0000	36913777
ED4	.5761575275	30043384E-01	19 178	.0000	23913793
ED5	8523724391	38077905E-01	22 385	.0000	12670561
ED6	.9814703987	46607395E-01	21 058	0000	.95301284E-01
ED7	1 386913083	78892036E-01	17.580	0000	12835243
MILLS	-1 401669817	11155159	-12.565	0000	80697498

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are RWAGEM1=

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	6382745877	29301466E-01	21 783	.0000	
AGEX1	- 3442449748	19181268E-01	-17 947	.0000	.28444107E-01
AGEX2	- 2336844148	.58189015E-02	-40 160	0000	.19133403
AGEX3	- 1348850358	.40649753E-02	-33 182	.0000	.16507064
AGEX5	1236978414	.11886136E-01	10 407	.0000	12676590
MIG1	- 9790633907E-01	.86759333E-02	-11 285	.0000	.25215701
REG1	- 1526814473	77787693E-02	-19 628	.0000	.94349104
MRS1	1030199301	54213189E-02	19 003	.0000	53835214
ED2	8390464027E-01	10199243E-01	8 227	.0000	36550678E-01
ED3	1282764154	72042746E-02	17 806	0000	44775766
ED4	1806732637	94612325E-02	19 096	0000	31956955
ED5	2672895919	11975406E-01	22 320	0000	97326254E-01
ED6	3077725303	14649003E-01	21 010	0000	37878070E-01
ED7	4349125043	24757391E-01	17 567	0000	60206694E-02
MILLS	- 4395399666	35101547E-01	-12 522	0000	92105527

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are RWAGEM1=

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	2886120231	.13367289E-01	21.591	0000	
AGEX1	- 1556590855	.88507711E-02	-17 587	0000	.16474917E-02
AGEX2	- 1056663276	28191858E-02	-37 481	0000	45086356E-01
AGEX3	- 6099168574E-01	.18728453E-02	-32 566	0000	.11666987
AGEX5	5593311242E-01	53589475E-02	10 437	.0000	.12288229
MIG1	- 4427083130E-01	.39086948E-02	-11.326	.0000	.24295697
REG1	- 6903878399E-01	35976746E-02	-19.190	.0000	.86632664
MRS1	.4658307102E-01	24443452E-02	19 057	.0000	.72074329
ED2	3793960851E-01	46306422E-02	8.193	.0000	.14889206E-01
ED3	5800343062E-01	.33139033E-02	17.503	.0000	31269392
ED4	8169599283E-01	43614601E-02	18 731	.0000	16273099
ED5	1208617598	55497373E-02	21 778	0000	15589390
ED6	1391671458	67317880E-02	20 673	0000	13035092
ED7	1966567057	10691404E-01	18 394	0000	20843516
MILLS	- 1987491300	15840703E-01	-12 547	0000	76666899

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	3886720839	17748520E-01	21.899	.0000	
AGEX1	- 2096251587	11724589E-01	-17.879	0000	.57308245E-02
AGEX2	- 1423002109	35863778E-02	-39.678	.0000	.82044445E-01
AGEX3	- 8213713809E-01	24780413E-02	-33.146	0000	.16284989

AGEX5	7532478769E-01	.72229040E-02	10 429	.0000	10335923
MIG1	-.5961926351E-01	.52607162E-02	-11 333	.0000	.24687093
REG1	- 9297411715E-01	47113056E-02	-19 734	.0000	.83994207
MRS1	.6273314290E-01	32745674E-02	19 158	0000	66574267
ED2	.5109304367E-01	.62159533E-02	8 220	0000	19797532E-01
ED3	7811287282E-01	.43983087E-02	17 760	0000	36913777
ED4	1100195045	57788091E-02	19.038	0000	23913793
ED5	.1627638084	.73368819E-02	22.184	.0000	.12670561
ED6	1874155623	89411512E-02	20 961	.0000	95301284E-01
ED7	2648364084	14676166E-01	18 045	0000	12835243
MILLS	- 2676542636	21302947E-01	-12 564	0000	80697498

Marginal Effects for Probit			
Variable	RWAGEM1=	RWAGEM1=	All Obs
ONE	6383	2886	3887
AGEX1	-.3442	-.1557	-.2096
AGEX2	- 2337	-.1057	-.1423
AGEX3	-.1349	-.0610	-.0821
AGEX5	.1237	.0559	.0753
MIG1	- 0979	-.0443	- 0596
REG1	- 1527	- 0690	- 0930
MRS1	1030	0466	0627
ED2	0839	0379	0511
ED3	.1283	.0580	0781
ED4	.1807	.0817	.1100
ED5	.2673	.1209	1628
ED6	3078	1392	1874
ED7	4349	1967	2648
MILLS	-.4395	- 1987	- 2677

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	120419890		21094
1	949*****		*****
Total	2153*****		*****

Table D .7: Estimate of Above the 20th percentile (Round III, Female)

```
PROBIT,Lhs=RWAGEM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3
      ,Wts=WTPOP,Prob=prob,Margin=RWAGEM1(rwagem1=0, rwagem1=1)$
```

```
+-----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                    |
| Ordinary    least squares regression    Weighting variable = WTPOP    |
| Dep var  = RWAGEM1  Mean=    6935690361    , S D =    4610128552      |
| Model size  Observations =  116496, Parameters =  15, Deg.Fr = 116481 |
| Residuals.  Sum of squares= 18899 87564    , Std Dev.=          40281 |
| Fit         R-squared=   236647, Adjusted R-squared =          23655 |
| Model test  F[ 14, 116481] = 2579 30,    Prob value =          00000 |
| Diagnostic  Log-L = -59364 9348, Restricted(b=0) Log-L =  -75093.8933 |
|             LogAmemiyaPrCrt.=   -1.818, Akaike Info  Crt =      1 019 |
+-----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Constant	6571517516	12003034E-01	54 749	0000	
AGEX1	- 4467437063	12625043E-01	-35 386	0000	10203886E-01
AGEX2	- 2166702020	49041949E-02	-44 181	0000	10749318
AGEX3	- 6887023785E-01	35628623E-02	-19 330	0000	18441927
AGEX5	9470209172E-02	57953074E-02	1 634	1022	79914870E-01
MIG1	-.8065189500E-01	48911602E-02	-16.489	0000	22608556
REG1	- 2138953772E-01	55065442E-02	-3 884	.0001	77973099
MRS1	8360730494E-01	39415396E-02	21 212	0000	.54754489
ED2	7273744455E-01	97165294E-02	7 486	0000	21860734E-01
ED3	1973417857	62298123E-02	31 677	0000	31588805
ED4	3055587114	65636995E-02	46 553	0000	22071301
ED5	4399036642	78545542E-02	56 006	.0000	96307154E-01
ED6	4328920594	93990370E-02	46 057	0000	10023070
ED7	3987350162	.12097320E-01	32 961	.0000	19942177
MILLS	- 2462094782	13148767E-01	-18 725	0000	93942790

```
Normal exit from iterations  Exit status=0
```

```
+-----------------------------------------+
| Binomial Probit Model                   |
| Maximum Likelihood Estimates            |
| Dependent variable            RWAGEM1   |
| Weighting variable              WTPOP   |
| Number of observations         116496   |
| Iterations completed                7   |
| Log likelihood function       -55152 25 |
| Restricted log likelihood     -65952 07 |
| Chi-squared                    21599 65 |
| Degrees of freedom                14    |
| Significance level             .0000000 |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	7907343978	49497698E-01	15 975	0000	
AGEX1	-1 252184093	.47948825E-01	-26 115	.0000	.10203886E-01
AGEX2	- 6141075717	.17668501E-01	-34 757	0000	.10749318
AGEX3	- 3026681873	.13434206E-01	-22 530	0000	.18441927
AGEX5	1286836326	24374045E-01	5 280	0000	79914870E-01
MIG1	- 3803772138	22656287E-01	-16 789	0000	22608556
REG1	- 7195519136E-01	27823019E-01	-2.586	0097	77973099
MRS1	3770137345	.19039342E-01	19 802	0000	.54754489
ED2	1831501902	.31059342E-01	5.897	0000	21860734E-01
ED3	5485692992	21077217E-01	26 027	0000	31588805
ED4	8884758707	21732714E-01	40.882	0000	22071301
ED5	1 250945438	28891605E-01	43.298	0000	96307154E-01
ED6	1 358579258	39066931E-01	34.776	0000	10023070

```
 ED7       1 751531583        55401894E-01   31 615    .0000   .19942177
 MILLS    -1.009955712        63001372E-01  -16 031    .0000   .93942790

+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics. |
| They are computed at the means of the Xs  |
| Observations used for means are RWAGEM1=  |
+-----------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St.Er.|P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
 Constant  .3134537166       .19614407E-01   15 981    0000
 AGEX1    -.4963762280        19051520E-01  -26 054    0000    31290213E-01
 AGEX2    -.2434373682        70110659E-02  -34 722    0000   .18344057
 AGEX3    -.1199801962        53252062E-02  -22.531    .0000   16376566
 AGEX5     .5101126627E-01    96625296E-02    5 279    0000    11754148
 MIG1     -.1507847031        89906739E-02  -16.771    0000    28885879
 REG1     - 2852363857E-01    11029176E-01   -2.586    .0097   87897054
 MRS1       1494513918        75571987E-02   19.776    0000    47189299
 ED2        7260226440E-01    12313147E-01    5 896    0000    38537081E-01
 ED3        2174574499        83678536E-02   25 987    0000   .44480190
 ED4        3521992525        86394782E-02   40 766    0000   .30802574
 ED5        4958852148        11476457E-01   43 209    0000   .73145953E-01
 ED6        5385521598        15503967E-01   34 736    0000   .34913647E-01
 ED7        6943217421        21977993E-01   31 592    0000   .10667118E-01
 MILLS    - 4003548758        24988848E-01  -16 021    .0000  1 1670954

+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics. |
| They are computed at the means of the Xs. |
| Observations used for means are RWAGEM1=  |
+-----------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er.|P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
 Constant  .1501900391       .93494225E-02   16 064    0000
 AGEX1    - 2378365963        95153697E-02  -24 995    0000    19202907E-02
 AGEX2    - 1166419982        35592096E-02  -32 772    0000    54389072E-01
 AGEX3    - 5748800988E-01    25435154E-02  -22 602    0000    15992457
 AGEX5      2444183516E-01    46089782E-02    5 303    0000    71510705E-01
 MIG1     - 7224786067E-01    .42795190E-02  -16 882    0000    22768668
 REG1     - 1366698228E-01    .53064611E-02   -2 576    0100    83785617
 MRS1       7160901014E-01    .35920292E-02   19 936    0000    56615229
 ED2        3478707174E-01    59113159E-02    5 885    0000    11429754E-01
 ED3       .1041938288        40947094E-02   25 446    0000   .21201389
 ED4       .1687548007        43977070E-02   38 373    0000    13557022
 ED5       .2376013294        60334627E-02   39 381    0000   .10789274
 ED6        2580450179        78894275E-02   32 708    0000    14125060
 ED7       .3326813626        10249724E-01   32 458    0000    37270887
 MILLS    -.1918283665        11877911E-01  -16 150    0000    77479818
```

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.2360974507	14710045E-01	16 050	0000	
AGEX1	- 3738770856	14448386E-01	-25 877	0000	.10203886E-01
AGEX2	- 1833602188	53171117E-02	-34 485	0000	10749318
AGEX3	- 9037065751E-01	39994211E-02	-22 596	0000	18441927
AGEX5	3842235483E-01	72743101E-02	5.282	0000	.79914870E-01
MIG1	- 1135730161	67566729E-02	-16 809	0000	22608556
REG1	- 2148437869E-01	83069698E-02	-2 586	0097	77973099
MRS1	1125687486	.56770062E-02	19 829	0000	54754489
ED2	5468497782E-01	.92779863E-02	5 894	0000	.21860734E-01
ED3	1637918035	.63317026E-02	25 869	.0000	.31588805
ED4	2652810965	65552240E-02	40 469	0000	.22071301
ED5	3735072480	87326364E-02	42 771	0000	96307154E-01
ED6	4056445506	11705557E-01	34 654	0000	10023070
ED7	5229722431	16151497E-01	32 379	0000	19942177
MILLS	- 3015525437	18809227E-01	-16 032	0000	93942790

Marginal Effects for Probit			
Variable	RWAGEM1=	RWAGEM1=	All Obs
ONE	.3135	1502	2361
AGEX1	- 4964	- 2378	- 3739
AGEX2	- 2434	- 1166	- 1834
AGEX3	-.1200	- 0575	- 0904
AGEX5	.0510	.0244	.0384
MIG1	-.1508	- 0722	- 1136
REG1	- 0285	- 0137	- 0215
MRS1	1495	0716	1126
ED2	.0726	0348	.0547
ED3	2175	1042	1638
ED4	3522	1688	2653
ED5	4959	2376	3735
ED6	5386	2580	4056
ED7	6943	3327	5230
MILLS	- 4004	- 1918	- 3016

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	1118418346		29530
1	772779239		86966
Total	1891197585		*****

Table D .8: Estimate of Above the 20th percentile (Round III, Male)

```
PROBIT,Lhs=RWAGEM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3...
      ,Wts=WTPOP,Prob=prob;Margin=RWAGEM1(rwagem1=0, rwagem1=1)$
```

```
+------------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                     |
| Ordinary    least squares regression    Weighting variable = WTPOP     |
| Dep  var  = RWAGEM1  Mean=    8065779183     , S.D =    .3949823808     |
| Model size: Observations =  141677, Parameters =  15, Deg Fr = 141662 |
| Residuals   Sum of squares= 18713 17439     , Std Dev.=          36345 |
| Fit         R-squared=   153366, Adjusted R-squared =          15328 |
| Model test. F[ 14, 141662] = 1832.98,     Prob value =          00000 |
| Diagnostic. Log-L = -57631 0208, Restricted(b=0) Log-L =  -69424.6911 |
|             LogAmemiyaPrCrt.=   -2 024, Akaike Info. Crt =        814 |
+------------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
Constant	7702748974	.11617098E-01	66 305	.0000	
AGEX1	-.4393599443	.14058653E-01	-31.252	0000	59827882E-02
AGEX2	-.2390433758	.48422243E-02	-49.366	.0000	80978144E-01
AGEX3	-.8118309905E-01	.32694743E-02	-24.831	0000	.15920443
AGEX5	.1856556760E-01	.41607368E-02	4.462	.0000	.10814309
MIG1	- 2498506772E-01	.30047642E-02	-8.315	.0000	.23748878
REG1	-.6227519653E-01	.46436234E-02	-13 411	.0000	.80353018
MRS1	6406353444E-01	27264352E-02	23 497	.0000	.65873017
ED2	7725363036E-01	.93531800E-02	8.260	.0000	.20008172E-01
ED3	1824096306	65681530E-02	27.772	.0000	.34447885
ED4	2322894188	69813365E-02	33.273	0000	22016074
ED5	3061020577	79204238E-02	38 647	0000	13569946
ED6	3111480062	.87915677E-02	35 392	.0000	10943340
ED7	2941633940	10828254E-01	27 166	0000	.14689553
MILLS	- 1632147362	11601430E-01	-14 069	0000	92726408

```
Normal exit from iterations  Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable              RWAGEM1   |
| Weighting variable                WTPOP   |
| Number of observations           141677   |
| Iterations completed                  7  |
| Log likelihood function       -57187 34   |
| Restricted log likelihood     -59132.65   |
| Chi-squared                    3890.612   |
| Degrees of freedom                   14   |
| Significance level             .0000000   |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	1.007339903	48636822E-01	20 711	0000	
AGEX1	-1 308158234	56012433E-01	-23 355	0000	59827882E-02
AGEX2	- 7884381039	19956010E-01	-39 509	0000	80978144E-01
AGEX3	- 3820470502	14217445E-01	-26.872	0000	15920443
AGEX5	2629186855E-01	19062445E-01	1.379	1678	10814309
MIG1	- 1084875654	13593198E-01	-7 981	0000	23748878
REG1	- 5512365082	24335457E-01	-22 652	0000	.80353018
MRS1	2618529690	12616252E-01	20 755	0000	65873017
ED2	2063049364	33533727E-01	6 152	.0000	.20008172E-01
ED3	4807028493	23349419E-01	20.587	0000	34447885
ED4	7661198470	25519055E-01	30 021	0000	22016074
ED5	1 122665335	31392617E-01	35 762	0000	13569946
ED6	1.307178796	37062978E-01	35 269	0000	10943340

```
 ED7        1.961447169        53990615E-01   36 329     0000    14689553
 MILLS     - 4068331500        53533420E-01   -7 600     0000    92726408
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are RWAGEM1=  |
+-----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant    3459221128        16662337E-01    20 761    .0000
 AGEX1     - 4492236025        19454867E-01   -23 091     0000    28771795E-01
 AGEX2     - 2707508894        69541670E-02   -38 934     0000    19227629
 AGEX3     - 1311955601        48864717E-02   -26 849     0000    16619434
 AGEX5       9028669163E-02    65453860E-02     1 379     1678    13559729
 MIG1      - 3725480120E-01    46742558E-02    -7.970     0000    26086748
 REG1      - 1892954870        83829480E-02   -22.581     0000    92631731
 MRS1        8992072289E-01    43594420E-02    20 627     0000    52514530
 ED2         7084544081E-01    11520854E-01     6 149     0000    37705942E-01
 ED3         1650741172        80622404E-02    20 475     0000    43513137
 ED4         2630867648        88452891E-02    29 743     0000    31893943
 ED5         3855250481        10885029E-01    35 418     0000    10034103
 ED6         4488872621        12846997E-01    34 941     0000    44142370E-01
 ED7         6735640540        18699203E-01    36 021     0000    86459484E-02
 MILLS     - 1397071459        18398795E-01    -7 593     0000   1 1252747


+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics. |
| They are computed at the means of the Xs. |
| Observations used for means are RWAGEM1=  |
+-----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er.|P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant    1621990723        79748841E-02    20 339     0000
 AGEX1     - 2106360042        92426466E-02   -22 790    .0000   .16879313E-02
 AGEX2     - 1269521129        33867039E-02   -37 485    .0000    42794023E-01
 AGEX3     - 6151615453E-01    22965009E-02   -26 787     0000    11378643
 AGEX5       4233443624E-02    30689153E-02     1 379    .1678    12676860
 MIG1      - 1746836635E-01    21933545E-02    -7.964    .0000   .23444869
 REG1      - 8875857097E-01    39966653E-02   -22.208     0000    85138758
 MRS1        4216283753E-01    20549569E-02    20.518     0000    71804101
 ED2         3321864765E-01    54082123E-02     6.142     0000    13850966E-01
 ED3         7740143718E-01    38388146E-02    20.163    .0000   .28868590
 ED4        .1233584892       .42365245E-02    29 118     0000    14791739
 ED5         1807684529        52328206E-02    34.545     0000    16497046
 ED6         2104782979        61083201E-02    34 458     0000    14161247
 ED7         3158267734        77452486E-02    40 777     0000    22897946
 MILLS     - 6550714346E-01    86484956E-02    -7 574     0000   .86485289
```

```
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs.  |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.2131564202	10283625E-01	20 728	0000	
AGEX1	-.2768105635	.11958741E-01	-23 147	0000	59827882E-02
AGEX2	-.1668360831	42942763E-02	-38 851	0000	80978144E-01
AGEX3	-.8084240616E-01	30082239E-02	-26 874	.0000	15920443
AGEX5	.5563445431E-02	40345921E-02	1 379	.1679	.10814309
MIG1	-.2295632388E-01	28783455E-02	-7 976	.0000	.23748878
REG1	-.1166434492	.50988620E-02	-22 876	0000	80353018
MRS1	.5540894521E-01	.26804570E-02	20 671	0000	65873017
ED2	.4365479971E-01	.71003497E-02	6 148	0000	20008172E-01
ED3	.1017182961	.49857301E-02	20 402	0000	34447885
ED4	.1621134669	.54555461E-02	29 715	0000	22016074
ED5	.2375596590	67125368E-02	35 390	0000	13569946
ED6	.2766033113	78663478E-02	35.163	0000	10943340
ED7	.4150486402	10664723E-01	38 918	.0000	.14689553
MILLS	-.8608722599E-01	11354844E-01	-7 582	0000	92726408

Marginal Effects for Probit

Variable	RWAGEM1=	RWAGEM1=	All Obs.
ONE	.3459	1622	2132
AGEX1	- 4492	- 2106	- 2768
AGEX2	- 2708	- 1270	- 1668
AGEX3	- 1312	-.0615	- 0808
AGEX5	0090	0042	0056
MIG1	- 0373	- 0175	- 0230
REG1	-.1893	- 0888	- 1166
MRS1	0899	0422	0554
ED2	0708	0332	0437
ED3	1651	0774	1017
ED4	2631	1234	1621
ED5	3855	1808	2376
ED6	.4489	2105	2766
ED7	6736	3158	4150
MILLS	- 1397	-.0655	-.0861

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	380617013		20819
1	3283*****		*****
Total	7089*****		*****

Table D.9: Estimate of Labor Force Participation (Round I, Female)

```
PROBIT,Lhs=LFP1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,ed .
      ,Wts=WTPOP,Hold,Prob=prob,Margin=LFP1(LFP1=0, LFP1=1)$
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep var  = LFP1     Mean=    6262970649     , S D =    4837866022    |
| Model size  Observations =  550609, Parameters =  14, Deg Fr = 550595 |
| Residuals   Sum of squares= 105948 0550     , Std.Dev =          43866 |
| Fit         R-squared=   177866, Adjusted R-squared =          17785 |
| Model test. F[ 13, 550595] = 9163 01,     Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -381476 3785 |
|             LogAmemiyaPrCrt =   -1 648, Akaike Info  Crt =      1.190 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	.5922400536	29250056E-02	202 475	0000	
AGEX1	- 6736322464	33296508E-02	-202 313	0000	48304327E-01
AGEX2	- 3121060837	24151301E-02	-129 230	0000	12719725
AGEX3	- 8122919625E-01	21501708E-02	-37 778	0000	12466312
AGEX5	- 3088065635	16927722E-02	-182 427	0000	22093015
MIG1	2819343416E-01	18000676E-02	15 662	0000	13296677
REG1	5024689501E-01	18184676E-02	27 631	0000	87461228
MRS1	- 7070151703E-02	14482560E-02	-4 882	0000	59658360
ED2	1117867791	37760818E-02	29 604	0000	33438615E-01
ED3	1668890961	22391808E-02	74 531	0000	43459567
ED4	1954035273	27550004E-02	70 927	0000	23358147
ED5	3506872739E-01	.31590246E-02	11 101	0000	84218703E-01
ED6	9963915564E-02	33393309E-02	2 984	0028	62742226E-01
ED7	.2698113926	33037193E-02	81 669	.0000	.58116302E-01

```
Normal exit from iterations  Exit status=0.
```

```
+-----------------------------------------+
| Binomial Probit Model                   |
| Maximum Likelihood Estimates            |
| Dependent variable              LFP1    |
| Weighting variable              WTPOP   |
| Number of observations          550609  |
| Iterations completed                5   |
| Log likelihood function       -313366.7 |
| Restricted log likelihood     -369382 7 |
| Chi-squared                    112031 9 |
| Degrees of freedom                 13   |
| Significance level             .0000000 |
| Results retained for SELECTION model.   |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
Index function for probability					
Constant	2638746966	88680516E-02	29 756	0000	
AGEX1	-1 956686979	11295649E-01	-173 225	.0000	48304327E-01
AGEX2	- 8778779164	73443697E-02	-119.531	0000	12719725
AGEX3	- 2592410695	.66432338E-02	-39 023	0000	12466312
AGEX5	- 8579089316	50582057E-02	-169.607	0000	22093015
MIG1	.8164682270E-01	.55862131E-02	14 616	0000	13296677
REG1	1571591214	.56135004E-02	27 997	0000	.87461228
MRS1	- 3848992994E-01	.44953677E-02	-8.562	0000	.59658360
ED2	3031271162	11212639E-01	27 034	0000	33438615E-01
ED3	4584077174	66550460E-02	68.881	0000	43459567
ED4	5389178061	.83588925E-02	64.472	0000	23358147
ED5	9181951549E-01	94152852E-02	9 752	0000	84218703E-01

```
ED6       1768013987E-01  .99438654E-02    1 778    .0754    62742226E-01
ED7       8712011434      .11136197E-01   78 231    .0000    58116302E-01
```

```
+-------------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are LFP1=0    |
+-------------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er.|P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
          Index function for probability
 Constant   1052372986     .35358581E-02    29 763    0000
 AGEX1    - 7803569438     .45176159E-02 -172 736   .0000    10441582
 AGEX2    - 3501112520     .29306888E-02 -119.464   .0000   .17597056
 AGEX3    -.1033893367     .26492817E-02  -39.025    0000   .81163753E-01
 AGEX5    -.3421473129     .20218881E-02 -169.222    0000   .37046918
 MIG1       3256201208E-01 .22278037E-02   14.616   .0000   .12776909
 REG1       6267748140E-01 .22385514E-02   27.999    0000    89423183
 MRS1     - 1535037767E-01 .17927703E-02   -8.562    0000    45918123
 ED2        1208917689     .44720650E-02   27.033    0000    41458142E-01
 ED3        1828200674     .26550759E-02   68.857    0000    35552438
 ED4        2149287325     .33347619E-02   64.451    0000    21039558
 ED5       .3661903885E-01 .37549150E-02    9 752   .0000   .12078197
 ED6        7051112450E-02 .39657484E-02    1.778    0754   .93215271E-01
 ED7        3474484520     .44422175E-02   78.215    0000   .27598896E-01
```

```
+-------------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics. |
| They are computed at the means of the Xs. |
| Observations used for means are LFP1=1    |
+-------------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St.Er.|P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
          Index function for probability
 Constant   8902610050E-01  29794048E-02    29 880    0000
 AGEX1    - 6601474634      37390989E-02 -176 553   .0000    84661579E-02
 AGEX2    - 2961786356      24078022E-02 -123 008    0000   .63863821E-01
 AGEX3    - 8746280644E-01  22230201E-02  -39 344    0000   .11181871
 AGEX5    -.2894414954      16736852E-02 -172 937    0000   .16861189
 MIG1      .2754602218E-01  18829334E-02   14 629    0000   .15845911
 REG1      .5302237737E-01  18862510E-02   28.110    0000   .89786891
 MRS1     -.1298574064E-01 .15155197E-02   -8 569    0000    65294755
 ED2       .1022690901      37818756E-02   27 042    0000    28138496E-01
 ED3        1546576919      22401848E-02   69 038    0000    45357118
 ED4        1818202025      28096064E-02   64 714    0000   .17192513
 ED5       .3097808740E-01  31732056E-02    9 762    0000   .83281064E-01
 ED6        5964929299E-02 .33542030E-02    1 778    0753   .72753137E-01
 ED7        2939260246     .36505760E-02   80 515   .0000    13133799
```

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.9881050501E-01	.33069074E-02	29.880	.0000	
AGEX1	-.7327009032	.42676953E-02	-171.685	.0000	.48304327E-01
AGEX2	-.3287301184	.27475955E-02	-119.643	.0000	.12719725
AGEX3	-.9707539728E-01	.24862881E-02	-39.044	.0000	.12466312
AGEX5	-.3212525334	.18891124E-02	-170.055	.0000	.22093015
MIG1	.3057346494E-01	.20919261E-02	14.615	.0000	.13296677
REG1	.5884979636E-01	.21018831E-02	27.999	.0000	.87461228
MRS1	-.1441293714E-01	.16830992E-02	-8.563	.0000	.59658360
ED2	.1135089640	.41995692E-02	27.029	.0000	.33438615E-01
ED3	.1716553298	.24939756E-02	68.828	.0000	.43459567
ED4	.2018031333	.31326827E-02	64.419	.0000	.23358147
ED5	.3438273094E-01	.35258948E-02	9.751	.0000	.84218703E-01
ED6	.6620504247E-02	.37236417E-02	1.778	.0754	.62742226E-01
ED7	.3262299344	.41623116E-02	78.377	.0000	.58116302E-01

Marginal Effects for Probit			
Variable	LFP1=0	LFP1=1	All Obs.
ONE	.1052	.0890	.0988
AGEX1	-.7804	-.6601	-.7327
AGEX2	-.3501	-.2962	-.3287
AGEX3	-.1034	-.0875	-.0971
AGEX5	-.3421	-.2894	-.3213
MIG1	.0326	.0275	.0306
REG1	.0627	.0530	.0588
MRS1	-.0154	-.0130	-.0144
ED2	.1209	.1023	.1135
ED3	.1828	.1547	.1717
ED4	.2149	.1818	.2018
ED5	.0366	.0310	.0344
ED6	.0071	.0060	.0066
ED7	.3474	.2939	.3262

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	**********		*****
1	51622*****		*****
Total	**********		*****

Table D.10: Estimate of Labor Force Participation (Round I, Male)

```
PROBIT,Lhs=LFP1;Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,ed
      ,Wts=WTPOP;Hold,Prob=prob,Margin=LFP1(LFP1=0, LFP1=1)$

+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = LFP1     Mean=    7991608898     , S D =    4006283821    |
| Model size  Observations =  474098, Parameters =  14, Deg.Fr = 474084 |
| Residuals   Sum of squares= 47958 06110     , Std Dev =          .31806 |
| Fit:        R-squared=   369753, Adjusted R-squared =          .36974 |
| Model test. F[ 13, 474084] =21395 00,    Prob value =           00000 |
| Diagnostic: Log-L = ***********, Restricted(b=0) Log-L = -239048 0276 |
|             LogAmemiyaPrCrt.=   -2 291, Akaike Info  Crt =       .547 |
+----------------------------------------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St.Er.|P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
 Constant  .6549279569      .28329119E-02  231.185    0000
 AGEX1    -.7885333997      .25610137E-02 -307 899    0000   50530486E-01
 AGEX2    - 3847389182       19030226E-02 -202 173    0000   13318839
 AGEX3    - 6809225007E-01   17054831E-02  -39 925   .0000   13059996
 AGEX5    - 2497941368       13021555E-02 -191 831    0000   20043219
 MIG1       4523417249E-01   12753511E-02   35 468   .0000  .16697597
 REG1       1642358531E-01   14524643E-02   11 307   .0000   88088645
 MRS1       1334585297      .13195437E-02  101 140    0000   61175544
 ED2        1682590262      .35547279E-02   47 334    0000   27364327E-01
 ED3        2016478909       23476463E-02   85.894    0000   41766174
 ED4        2815936389      .25857960E-02  108.900    0000   24961197
 ED5        1362385471       27054758E-02   50.357    0000   11797225
 ED6       .4333184353E-01   28523515E-02   15 192    0000   82223536E-01
 ED7        1951437653      .29647161E-02   65 822    0000   60809885E-01

Normal exit from iterations  Exit status=0

              +-------------------------------------------+
              | Binomial Probit Model                     |
              | Maximum Likelihood Estimates              |
              | Dependent variable              LFP1      |
              | Weighting variable              WTPOP     |
              | Number of observations          474098    |
              | Iterations completed                7     |
              | Log likelihood function       -146603 6   |
              | Restricted log likelihood     -257474 3   |
              | Chi-squared                    221741 2   |
              | Degrees of freedom                  13    |
              | Significance level             .0000000   |
              | Results retained for SELECTION model      |
              +-------------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
 Constant   6698388907       14058082E-01   47 648    0000
 AGEX1     -2 843478366      13833259E-01 -205 554    0000   50530486E-01
 AGEX2     -1 554791371      10181407E-01 -152 709    0000   13318839
 AGEX3     - 5185107231      10240758E-01  -50 632    0000   13059996
 AGEX5     -1 549570834      84227916E-02 -183 974    0000  .20043219
 MIG1       2981571437       83323957E-02   35 783    0000   16697597
 REG1       9641428031E-01   80692833E-02   11 948    0000   88088645
 MRS1       8796461202       79049558E-02  111 278   .0000   61175544
 ED2        5482501166       16821964E-01   32 591    0000   27364327E-01
 ED3        7234489007       10713939E-01   67 524    0000   41766174
 ED4       1 083136219       12910634E-01   83 895    0000   24961197
 ED5        4176813670       13082738E-01   31 926    0000   11797225
```

```
 ED6       - 3140279527E-01   13519771E-01   -2 323     0202   82223536E-01
 ED7         6052723046       16188210E-01   37 390     0000   60809885E-01
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are LFP1=0    |
+-----------------------------------------+
+---------+-------------+----------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+-------------+----------------+--------+---------+----------+
         Index function for probability
 Constant   2672105430       56089634E-02   47 640     0000
 AGEX1     -1 134313652      55001715E-02 -206 232     0000   20405800
 AGEX2     - 6202336895      40576215E-02 -152 856     0000   .30838467
 AGEX3     - 2068430690      40851920E-02  -50 632     0000   .81956091E-01
 AGEX5     - 6181511251      33549225E-02 -184 252     0000   34322958
 MIG1        1189401412      33239210E-02   35 783     0000   .10260794
 REG1        3846135623E-01  32190507E-02   11 948     0000   .89432549
 MRS1        3509063458      31517357E-02  111 337     0000   28004378
 ED2         2187066373      67102207E-02   32 593     0000   33316146E-01
 ED3         2885965211      42731065E-02   67 538     0000   24064877
 ED4         4320821336      .51482161E-02  83 929     0000   28836603
 ED5         1666204611      52188740E-02   31 927     0000   17276814
 ED6       - 1252712867E-01  53932490E-02   -2 323     0202   14757524
 ED7         2414537935      64575790E-02   37 391     0000   29272617E-01


+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are LFP1=1    |
+-----------------------------------------+
+---------+-------------+----------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+-------------+----------------+--------+---------+----------+
         Index function for probability
 Constant   .7267163321E-01   15355854E-02   47 325    .0000
 AGEX1     - 3084924147       22976173E-02 -134 266    .0000   .72259463E-02
 AGEX2     - 1686812005       13256558E-02 -127 244    .0000   .59936570E-01
 AGEX3     - 5625385687E-01   10685260E-02  -52 646    .0000   .10093770
 AGEX5     - 1681148181       97051705E-03 -173 222     0000   20331398
 MIG1        3234742994E-01   .91379801E-03   35 399     0000   18109701
 REG1        .1046010214E-01  .87248718E-03   11 989     0000   89637217
 MRS1        9543387385E-01   .87104372E-03  109 563     0000   73592701
 ED2         5948031972E-01   .18601220E-02   31 977     0000   .24665040E-01
 ED3         .7848784818E-01  .12467114E-02   62 956     0000   43725915
 ED4         .1175107613      15591665E-02   75.368     0000   .17619811
 ED5         4531475780E-01   14342576E-02   31.595     0000   12890076
 ED6       - 3406927324E-02   14670262E-02   -2.322     0202   91467222E-01
 ED7         6566672602E-01   .17628421E-02   37.250     0000   10841670
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs   |
+-----------------------------------------+
+---------+-------------+----------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St Er.|P[|Z|>z] | Mean of X|
+---------+-------------+----------------+--------+---------+----------+
         Index function for probability
 Constant   1170905456       .24066884E-02   48 652     0000
 AGEX1     - 4970515119       30398710E-02 -163.511     0000   .50530486E-01
 AGEX2     - 2717838163       19076066E-02 -142.474     0000   .13318839
 AGEX3     - 9063777027E-01   17618228E-02  -51.445     0000   13059996
```

AGEX5	-.2708712453	12679764E-02	-213.625	0000	20043219
MIG1	5211907390E-01	14577886E-02	35 752	0000	.16697597
REG1	1685360591E-01	14108529E-02	11.946	0000	.88088645
MRS1	.1537656974	.13184673E-02	116.625	.0000	61175544
ED2	.9583633646E-01	.29629207E-02	32 345	.0000	.27364327E-01
ED3	1264617921	.19173430E-02	65 957	0000	41766174
ED4	.1893365891	.23732446E-02	79 780	0000	24961197
ED5	.7301239125E-01	.23105478E-02	31 600	0000	11797225
ED6	-.5489335546E-02	.23619334E-02	-2 324	.0201	82223536E-01
ED7	1058040454	28689054E-02	36 880	0000	60809885E-01

Marginal Effects for Probit			
Variable	LFP1=0	LFP1=1	All Obs.
ONE	.2672	.0727	.1171
AGEX1	-1.1343	-.3085	-.4971
AGEX2	-.6202	-.1687	-.2718
AGEX3	- 2068	-.0563	-.0906
AGEX5	-.6182	-.1681	-.2709
MIG1	.1189	.0323	.0521
REG1	.0385	.0105	0169
MRS1	.3509	0954	1538
ED2	.2187	0595	0958
ED3	2886	.0785	.1265
ED4	4321	1175	1893
ED5	1666	0453	0730
ED6	-.0125	-.0034	-.0055
ED7	.2415	.0657	.1058

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	5619554352		*****
1	16310*****		*****
Total	72505*****		*****

Table D.11: Estimate of Labor Force Participation (Round III, Female)

```
PROBIT,Lhs=LFP1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,ed
      ,Wts=WTPOP,Hold,Prob=prob,Margin=LFP1(LFP1=0, LFP1=1)$

+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = LFP1     Mean=    6803197103     , S D =   .4663531132    |
| Model size  Observations =  512756, Parameters =  14, Deg Fr = 512742 |
| Residuals:  Sum of squares= 88124 27377     , Std Dev =          41457 |
| Fit         R-squared=   209766, Adjusted R-squared =          20975 |
| Model test. F[ 13, 512742] =10469.70,     Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -336432 2340 |
|             LogAmemiyaPrCrt.=   -1 761, Akaike Info  Crt.=      1.077 |
+----------------------------------------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
 Constant   5518101747       28588556E-02  193 018    0000
 AGEX1    - 6592065202       33211843E-02 -198 485    0000   .48229080E-01
 AGEX2    - 2624250622       23849403E-02 -110 034    0000    12842016
 AGEX3    - 6273311581E-01   21140573E-02  -29 674    0000    12544179
 AGEX5    - 3090701172       16626102E-02 -185 895    0000    21990859
 MIG1       3323417912E-02   17730312E-02    1 874    0609    13158455
 REG1       1064196784       17956789E-02   59 264    0000    87435569
 MRS1       2677795507E-01   14202317E-02   18 855    0000    59598947
 ED2        1327606936       37302930E-02   35 590    0000    32342076E-01
 ED3        1982900621       21751388E-02   91 162    0000   .43954669
 ED4        2307664848      .27160575E-02   84 964    0000   .22932763
 ED5        1936450503E-01  .31034040E-02    6 240    0000   .83595144E-01
 ED6      - 8280410499E-02  .32809038E-02   -2 524   .0116   .62171323E-01
 ED7        2615941939      .32512803E-02   80 459   .0000    57026170E-01

Normal exit from iterations  Exit status=0

              +-----------------------------------------+
              | Binomial Probit Model                   |
              | Maximum Likelihood Estimates            |
              | Dependent variable              LFP1    |
              | Weighting variable              WTPOP   |
              | Number of observations          512756  |
              | Iterations completed                5   |
              | Log likelihood function      -266713 9  |
              | Restricted log likelihood    -336078 9  |
              | Chi-squared                   138729 9  |
              | Degrees of freedom                13    |
              | Significance level             0000000  |
              | Results retained for SELECTION model.   |
              +---------------------------------- ------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St Er.|P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
 Constant   1661857069      .92911835E-02   17 886    0000
 AGEX1    -1 925683369      .11543197E-01 -166 824    0000   48229080E-01
 AGEX2    - 7972227850       78849595E-02 -101 107    0000   12842016
 AGEX3    - 2271530639      .72526231E-02  -31 320   .0000   12544179
 AGEX5    - 9362067073      .54353702E-02 -172.243    0000   21990859
 MIG1     -.3985050660E-02  .60187595E-02    - 662   .5079   13158455
 REG1       3526705110      .59212313E-02   59 560    0000  .87435569
 MRS1       6439281930E-01  .47910822E-02   13.440    0000   59598947
 ED2        3606145201       11892526E-01   30 323    0000   32342076E-01
 ED3        5675040248       69310397E-02   81.879    0000   43954669
 ED4        6481819001       89807823E-02   72.174    0000   22932763
 ED5        3234960396E-01   99168841E-02    3 262    0011   83595144E-01
```

ED6	- 4987964771E-01	10446180E-01	-4.775	.0000	62171323E-01
ED7	.8329283640	.11794247E-01	70 622	0000	57026170E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are LFP1=0

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.6581823744E-01	.36769147E-02	17.900	.0000	
AGEX1	- 7626713971	46347134E-02	-164.556	0000	.11622992
AGEX2	- 3157419464	.31296496E-02	-100.887	0000	.17829037
AGEX3	-.8996450164E-01	.28718295E-02	-31.327	.0000	79049433E-01
AGEX5	-.3707868535	.21793270E-02	-170.138	0000	38234048
MIG1	- 1578288624E-02	23837631E-02	- 662	.5079	.12760776
REG1	.1396759798	23433003E-02	59 607	.0000	88623233
MRS1	2550292652E-01	18980670E-02	13 436	.0000	42903736
ED2	1428222231	47120805E-02	30 310	0000	.40543948E-01
ED3	2247612948	27520184E-02	81.671	0000	32818711
ED4	2567139558	35646788E-02	72.016	0000	20393209
ED5	1281213622E-01	.39274985E-02	3 262	0011	12971059
ED6	- 1975495100E-01	.41375898E-02	-4 775	0000	10423517
ED7	.3298832244	46759027E-02	70.550	0000	29471877E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics.
They are computed at the means of the Xs.
Observations used for means are LFP1=1

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	4983184530E-01	27784933E-02	17 935	0000	
AGEX1	- 5774284539	33911662E-02	-170 274	0000	11279612E-01
AGEX2	- 2390523424	.22874834E-02	-104 505	0000	67303832E-01
AGEX3	- 6811329661E-01	21545159E-02	-31 614	0000	11128543
AGEX5	- 2807275589	15901628E-02	-176 540	.0000	17269972
MIG1	- 1194942885E-02	.18048313E-02	- 662	5079	15018646
REG1	.1057505045	17493349E-02	60 452	.0000	.90671414
MRS1	.1930859802E-01	14386315E-02	13 422	.0000	.65575579
ED2	1081325664	35656878E-02	30 326	0000	.27652057E-01
ED3	1701697054	.20720516E-02	82.126	0000	46925455
ED4	1943614814	26796257E-02	72.533	0000	17340451
ED5	.9700235300E-02	.29722084E-02	3 264	0011	78706016E-01
ED6	- 1495673085E-01	31347281E-02	-4 771	0000	68284402E-01
ED7	2497588882	34261126E-02	72 899	0000	12318403

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics.
They are computed at the means of the Xs.
Observations used for means are All Obs

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	5731539667E-01	31916414E-02	17 958	0000	
AGEX1	- 6641443976	40242239E-02	-165 037	0000	48229080E-01
AGEX2	- 2749522869	27153444E-02	-101 259	0000	12842016

```
AGEX3     - 7834228472E-01   24995227E-02  -31 343     0000   12544179
AGEX5     - 3228861242       18618281E-02 -173 424     0000   21990859
MIG1      - 1374394728E-02   20757775E-02    - 662     5079   13158455
REG1        1216317011       20408473E-02   59 599     0000   87435569
MRS1        2220828765E-01   16528305E-02   13 437     0000   59598947
ED2         1243714917       41038762E-02   30 306     0000   32342076E-01
ED3         1957251253       23946850E-02   81 733     0000   43954669
ED4         2235499275       31041326E-02   72 017     0000   22932763
ED5         1115697865E-01   34204309E-02    3 262     0011   83595144E-01
ED6       - 1720287411E-01   36023929E-02   -4 775     0000   62171323E-01
ED7         2872666999       40635134E-02   70 694     0000   57026170E-01
```

Marginal Effects for Probit			
Variable	LFP1=0	LFP1=1	All Obs
ONE	0658	.0498	0573
AGEX1	-.7627	- 5774	- 6641
AGEX2	-.3157	- 2391	- 2750
AGEX3	-.0900	- 0681	- 0783
AGEX5	- 3708	- 2807	- 3229
MIG1	- 0016	- 0012	- 0014
REG1	1397	1058	1216
MRS1	0255	0193	0222
ED2	1428	1081	1244
ED3	2248	1702	1957
ED4	2567	1944	2235
ED5	0128	0097	0112
ED6	- 0198	- 0150	- 0172
ED7	3299	.2498	2873

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	83850*****		*****
1	26944*****		*****
Total	**********		*****

Table D.12: Estimate of Labor Force Participation (Round III, Male)

```
PROBIT,Lhs=LFP1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,ed.
      ,Wts=WTPOP;Hold,Prob=prob;Margin=LFP1(LFP1=0, LFP1=1)$
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = LFP1     Mean=    8142974835    , S.D.=    3888668609     |
| Model size  Observations =  440038, Parameters =  14, Deg Fr.= 440024 |
| Residuals   Sum of squares= 43018.31280    , Std.Dev.=          31267 |
| Fit         R-squared=  .353509, Adjusted R-squared =          35349 |
| Model test  F[ 13, 440024] =18508 51,    Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -208762.4583 |
|             LogAmemiyaPrCrt.=   -2.325, Akaike Info. Crt =        513 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	.6465025470	28738517E-02	224 960	0000	
AGEX1	- 7599996008	26505077E-02	-286 737	0000	50539858E-01
AGEX2	- 3484359259	.19517936E-02	-178.521	.0000	.13445205
AGEX3	- 6037770242E-01	.17453404E-02	-34 594	.0000	.13138997
AGEX5	- 2408192759	13293590E-02	-181 154	.0000	.19956033
MIG1	3826186159E-01	12979658E-02	29 478	.0000	.16853822
REG1	4010315510E-01	15007201E-02	26 723	.0000	.88169881
MRS1	1214268208	.13495245E-02	89 977	.0000	61477194
ED2	1549710753	.36139530E-02	42.881	.0000	.27089534E-01
ED3	.2027586881	.23610220E-02	85.878	.0000	42555704
ED4	.2967704537	.26236064E-02	113.115	.0000	.24572780
ED5	.1259682728	27446064E-02	45.897	0000	11547511
ED6	3630472036E-01	.28984361E-02	12.526	.0000	.81206216E-01
ED7	1980731021	.30242789E-02	65.494	0000	58989543E-01

```
Normal exit from iterations. Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable                  LFP1  |
| Weighting variable                WTPOP   |
| Number of observations           440038   |
| Iterations completed                  7  |
| Log likelihood function       -130894 5   |
| Restricted log likelihood     -235160 7   |
| Chi-squared                    208532 5   |
| Degrees of freedom                   13   |
| Significance level              0000000  |
| Results retained for SELECTION model     |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	6300932084	14654064E-01	42 998	0000	
AGEX1	-2 795815420	14409796E-01	-194 022	0000	50539858E-01
AGEX2	-1 501273717	10914301E-01	-137 551	0000	13445205
AGEX3	- 4734957871	.11197381E-01	-42.286	.0000	13138997
AGEX5	-1 562298191	.89741286E-02	-174 089	0000	.19956033
MIG1	2895111212	.89285410E-02	32 425	0000	16853822
REG1	2220087357	84572954E-02	26.251	0000	88169881
MRS1	8517304713	83986708E-02	101 413	0000	61477194
ED2	4922938621	17418181E-01	28 263	0000	.27089534E-01
ED3	7380230804	11043857E-01	66 827	0000	42555704
ED4	1 179858147	13648129E-01	86 448	0000	24572780
ED5	3676038985	13611159E-01	27 008	0000	11547511

```
 ED6       - 6395118136E-01   14105632E-01   -4 534     0000   81206216E-01
 ED7         6054686318       17016036E-01   35 582     0000   58989543E-01
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics. |
| They are computed at the means of the Xs  |
| Observations used for means are LFP1=0    |
+-----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St.Er |P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant   2511026345       58365269E-02   43 023     0000
 AGEX1     -1 114178995      58166392E-02 -191 550     0000   .21439273
 AGEX2     - 5982825723      43665437E-02 -137 015     0000   .30716017
 AGEX3     - 1886959548      44624353E-02  -42 285     0000    73099856E-01
 AGEX5     -.6226018411      36003957E-02 -172 926    .0000   34589203
 MIG1        1153750021      35582081E-02   32 425     0000   10359667
 REG1        8847417762E-01  33696208E-02   26 256     0000   89242155
 MRS1        3394287740      33544769E-02  101 187     0000   27931787
 ED2         1961873007      69428942E-02   28 257     0000   32678753E-01
 ED3         2941144855      44052768E-02   66 764     0000   22743406
 ED4         4701931161      54498412E-02   86 276     0000   .27584889
 ED5         1464962741      54242582E-02   27 008     0000   .18358421
 ED6       - 2548561055E-01  56216207E-02   -4.533     0000   15679768
 ED7         2412893308      67816288E-02   35 580     0000   30989513E-01


+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are LFP1=1    |
+-----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant   6277277457E-01   14747052E-02   42 566     0000
 AGEX1     -.2785319517      .22359029E-02 -124 572     0000   10308734E-01
 AGEX2     - 1495637714      12908055E-02 -115 869     0000   63749138E-01
 AGEX3     - 4717182141E-01  .10718843E-02  -44 008     0000   10005138
 AGEX5     - 1556433093      .98132472E-03 -158 605    .0000   .20586931
 MIG1        2884242538E-01  .89780810E-03   32 125     0000   17784400
 REG1        2211752822E-01  .83760587E-03   26 406    .0000   90352482
 MRS1        8485329496E-01  .86150758E-03   98.494    .0000   73226067
 ED2         4904457184E-01  17674537E-02   27 749     .0000   .24434429E-01
 ED3         7352524330E-01  11969430E-02   61.428     .0000   44608541
 ED4         1175428786      15610007E-02   75 300     .0000   .17613224
 ED5         3662238592E-01  13688917E-02   26.753     .0000   .12568081
 ED6       -.6371109920E-02  .14062064E-02   -4 531     .0000   .88735558E-01
 ED7         6031956133E-01  17051232E-02   35 375     .0000   .10547147
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs.  |
+-----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St.Er |P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant   9815352455E-01   22371933E-02   43 874    .0000
 AGEX1     - 4355214971      28792352E-02 -151 263    .0000   .50539858E-01
 AGEX2     - 2338627122      .18364581E-02 -127 344    .0000   .13445205
 AGEX3     - 7375937359E-01  17210373E-02  -42 858    0000    .13138997
```

AGEX5	- 2433688727	12278589E-02	-198 206	.0000	19956033
MIG1	4509894180E-01	.13901679E-02	32.441	.0000	16853822
REG1	3458367683E-01	13205682E-02	26 188	.0000	.88169881
MRS1	1326793347	12591963E-02	105 368	.0000	61477194
ED2	7668766625E-01	27363139E-02	28 026	0000	27089534E-01
ED3	1149664297	17786416E-02	64 637	0000	42555704
ED4	1837938166	22855222E-02	80.417	0000	24572780
ED5	5726393776E-01	.21451574E-02	26 695	0000	11547511
ED6	- 9962071905E-02	.21942397E-02	-4 540	0000	81206216E-01
ED7	9431760162E-01	26993785E-02	34.940	.0000	.58989543E-01

Marginal Effects for Probit			
Variable	LFP1=0	LFP1=1	All Obs.
ONE	.2511	.0628	.0982
AGEX1	-1 1142	-.2785	- 4355
AGEX2	-.5983	- 1496	- 2339
AGEX3	- 1887	- 0472	- 0738
AGEX5	- 6226	- 1556	- 2434
MIG1	1154	0288	0451
REG1	0885	0221	0346
MRS1	3394	0849	1327
ED2	1962	0490	0767
ED3	2941	0735	1150
ED4	.4702	.1175	.1838
ED5	1465	0366	.0573
ED6	- 0255	-.0064	- 0100
ED7	2413	0603	0943

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability.

	Predicted		
Actual	0	1	Total
0	4847050983		99453
1	11942*****		*****
Total	60412*****		*****

Table D.13: Estimate of Hours Worked (Round I, Female)

```
REGRESS,Lhs=TOTHOUR,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed
       ,Wts=WTPOP$
```

```
+------------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP     |
| Dep  var  = TOTHOUR  Mean=    49 63633012     , S D =    15 05809162   |
| Model size  Observations =  309593, Parameters =  14, Deg Fr = 309579  |
| Residuals   Sum of squares= 67753806 88     , Std Dev =       14 79385 |
| Fit         R-squared=    034829, Adjusted R-squared =          .03479 |
| Model test  F[ 13, 309579] =  859.35,     Prob value =           00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = ************ |
|             LogAmemiyaPrCrt =    5.388, Akaike Info  Crt.=      8.926 |
| Autocorrel  Durbin-Watson Statistic =   1 44503,    Rho =        27749 |
+------------------------------------------------------------------------+
+---------+-------------+----------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St.Er |P[|Z|>z] | Mean of X|
+---------+-------------+----------------+--------+---------+----------+
 Constant  50 55888170      14143398       357 473    0000
 AGEX1     -7 114714039     26582206       -26 765    0000    11196792E-01
 AGEX2     -1 995921051     11716125       -17 036    0000    86031153E-01
 AGEX3     - 4823846950     91484173E-01    -5.273    0000    13629884
 AGEX5     -2 347718535     80013547E-01   -29 342    0000    15424253
 MIG1       1 875925944     77756538E-01    24 126    0000    14738419
 REG1      - 2057733949     80546391E-01    -2 555    0106    86936560
 MRS1      -1 122549819     62043432E-01   -18 093    0000    65772070
 ED2        1 205791339     18760906         6 427    0000    29778661E-01
 ED3        1 713655386     11536065        14.855    0000   .47898138
 ED4        1 539809742     13423221        11 471    0000   .21589944
 ED5         1906727277     15371754         1 240    2148   .69921623E-01
 ED6       -2 030396506     16046925       -12 653    0000    56808240E-01
 ED7       -7 938381669     14486655       -54 798    0000    86884934E-01
```

Table D .14: Estimate of Hours Work (Round I, male)

```
REGRESS;Lhs=TOTHOUR,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed
       ;Wts=WTPOP$
```

```
+----------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = TOTHOUR  Mean=   51.77741224    , S.D.=   14.16440645    |
| Model size: Observations =  350921, Parameters =  14, Deg.Fr.= 350907 |
| Residuals.  Sum of squares= 66949000 58    , Std.Dev.=       13 81262 |
| Fit:        R-squared=  .049090, Adjusted R-squared =          .04906 |
| Model test. F[ 13, 350907] = 1393.50,    Prob value =           00000 |
| Diagnostic. Log-L = ***********, Restricted(b=0) Log-L = ************ |
|             LogAmemiyaPrCrt =    5 251, Akaike Info  Crt =      8 767 |
| Autocorrel· Durbin-Watson Statistic =   1.49366,   Rho =        25317 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	49.49317349	15661019	316 028	0000	
AGEX1	-8 004563130	26618501	-30 071	0000	84325794E-02
AGEX2	-2 247498464	11192407	-20 081	0000	73967077E-01
AGEX3	-.1228452134	84484771E-01	-1 454	1459	12934079
AGEX5	-2 331361963	65024389E-01	-35 854	0000	18470531
MIG1	1 155938250	61979555E-01	18 650	0000	18230342
REG1	1 519965792	73194049E-01	20 766	0000	87996052
MRS1	1 035357584	65917103E-01	15 707	0000	72384780
ED2	1.079167761	.19113730	5 646	.0000	26931050E-01
ED3	2.392272166	13305571	17.979	.0000	47811640
ED4	1.435824610	.14470702	9.922	.0000	21650860
ED5	-.7293520806	15020069	-4.856	.0000	10430834
ED6	-2.516292237	15922588	-15 803	.0000	68883197E-01
ED7	-7.888137345	15748057	-50 090	.0000	71944538E-01

Table D.15 · Estimate of Hours Work (Round III, Female)

```
REGRESS,Lhs=TOTHOUR,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed
       ,Wts=WTPOP$
```

```
+-----------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP    |
| Dep  var  = TOTHOUR  Mean=   50 43408360    , S D =   14 57071764     |
| Model size  Observations =  319566, Parameters =  14, Deg.Fr = 319552 |
| Residuals   Sum of squares= 64478286.99    , Std.Dev.=       14 20483 |
| Fit         R-squared=   049631, Adjusted R-squared =           04959 |
| Model test  F[ 13, 319552] = 1283 68,    Prob value =           00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = ************ |
|             LogAmemiyaPrCrt =    5 307, Akaike Info  Crt =      8 808 |
| Autocorrel  Durbin-Watson Statistic =   1 37476,   Rho =        31262 |
+-----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	51 14254382	13751933	371 893	0000	
AGEX1	-9 191236777	22585954	-40 694	0000	14483721E-01
AGEX2	-1 921450735	10951530	-17 545	0000	96436367E-01
AGEX3	- 4789014907	87356290E-01	-5 482	0000	13918868
AGEX5	-3 255058458	75054523E-01	-43 369	0000	15719146
MIG1	1 653283851	75371109E-01	21 935	0000	13868948
REG1	.1473973639	83356306E-01	1 768	0770	89053323
MRS1	- 7552468303	60430503E-01	-12 498	0000	67115909
ED2	.6716502424	17883187	3 756	0002	28854603E-01
ED3	1 784948273	10821420	16 495	0000	49893756
ED4	1 622196497	12728169	12 745	0000	22644694
ED5	-1 342787177	14913411	-9 004	0000	62899782E-01
ED6	-3 415293153	15849494	-21 548	0000	47910390E-01
ED7	-9 593364886	14244021	-67 350	0000	72403065E-01

Table D.16 : Estimate of Hours Work (Round III, Male)

```
REGRESS,Lhs=TOTHOUR,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed
       ,Wts=WTPOP$
```

```
+----------------------------------------------------------------------+
| Ordinary     least squares regression    Weighting variable = WTPOP  |
| Dep  var  = TOTHOUR  Mean=   52 77791360    , S D =   14.16131008    |
| Model size  Observations =  335354, Parameters =  14, Deg Fr.= 335340 |
| Residuals·  Sum of squares= 62462990 49    , Std.Dev =       13.64799 |
| Fit         R-squared=   071218, Adjusted R-squared =          07118 |
| Model test· F[ 13, 335340] = 1977 97,    Prob value =          00000 |
| Diagnostic. Log-L = ***********, Restricted(b=0) Log-L = ********** |
|             LogAmemiyaPrCrt.=    5 227, Akaike Info  Crt =      8 714 |
| Autocorrel  Durbin-Watson Statistic =   1.38383,   Rho =        30809 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Constant	49.77027263	15852369	313 961	.0000	
AGEX1	-11.22944939	22682776	-49 507	0000	.12448330E-01
AGEX2	-2 223249940	.10851681	-20 488	0000	87899610E-01
AGEX3	2722380785	84418330E-01	3 225	0013	13882535
AGEX5	-3.126121049	66846424E-01	-46.766	0000	17727253
MIG1	1 406988652	.62298232E-01	22.585	.0000	18542572
REG1	2 298504233	.77041951E-01	29.834	0000	.88808361
MRS1	9826463360	.66525244E-01	14.771	0000	70318796
ED2	1.328650562	.19480348	6.820	.0000	25701898E-01
ED3	2.741476498	.13328079	20.569	0000	47711527
ED4	2 056828089	.14504678	14.180	0000	23179620
ED5	-1 450709874	.15155972	-9.572	0000	.10004324
ED6	-3 154431128	.16151377	-19.530	0000	65154944E-01
ED7	-9 100800955	16056224	-56.681	0000	66165714E-01

Table D.17: Estimate of Below 20 hours a week (Round I, Female)

```
PROBIT,Lhs=TOTH1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
      ,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=toth1(toth1=0, toth1=1)$

+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary     least squares regression    Weighting variable = WTPOP  |
| Dep var   = TOTH1     Mean=    2811058023E-01, S D =    1652890310    |
| Model size  Observations =  309593, Parameters =  14, Deg Fr = 309579 |
| Residuals   Sum of squares= 8366 844653    , Std Dev =          16440 |
| Fit         R-squared=   010800, Adjusted R-squared =          01076 |
| Model test  F( 13, 309579) =  260 01,    Prob value =          00000 |
| Diagnostic  Log-L = 119673 8864, Restricted(b=0) Log-L =  117992 9200 |
|             LogAmemiyaPrCrt =   -3 611, Akaike Info  Crt =      - 773 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	.4537320125E-01	15716931E-02	28 869	0000	
AGEX1	1155738949	29539628E-02	39 125	0000	11196792E-01
AGEX2	2935056337E-01	13019611E-02	22 543	0000	86031153E-01
AGEX3	1841335532E-02	10166231E-02	1 811	0701	13629884
AGEX5	1182636253E-01	88915511E-03	13 301	0000	15424253
MIG1	- 6834153680E-02	86407396E-03	-7 909	0000	14738419
REG1	- 2366685468E-02	89507636E-03	-2.644	0082	.86936560
MRS1	- 5317543576E-02	68946118E-03	-7.713	0000	65772070
ED2	- 9999256825E-02	20848164E-02	-4.796	0000	29778661E-01
ED3	- 1477388626E-01	12819518E-02	-11.525	0000	47898138
ED4	- 2287000660E-01	14916630E-02	-15.332	0000	21589944
ED5	- 3440607613E-02	17081949E-02	-2 014	0440	.69921623E-01
ED6	-.2171891324E-01	17832237E-02	-12 180	0000	56808240E-01
ED7	- 3232358423E-01	.16098378E-02	-20 079	0000	86884934E-01

```
Normal exit from iterations  Exit status=0
```

```
+-----------------------------------------------+
| Binomial Probit Model                         |
| Maximum Likelihood Estimates                  |
| Dependent variable                   TOTH1    |
| Weighting variable                   WTPOP    |
| Number of observations              309593    |
| Iterations completed                     8    |
| Log likelihood function        -38360 66      |
| Results retained for SELECTION model          |
+-----------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
Index function for probability					
Constant	-1 692375019	22767368E-01	-74 333	0000	
AGEX1	9313178309	30999372E-01	30.043	0000	11196792E-01
AGEX2	3689474464	18674589E-01	19.757	0000	86031153E-01
AGEX3	2859476545E-01	17471112E-01	1.637	1017	13629884
AGEX5	1711910076	13135117E-01	13.033	0000	15424253
MIG1	- 1003826487	14595975E-01	-6.877	0000	14738419
REG1	- 4076424070E-01	14377251E-01	-2 835	0046	86936560
MRS1	- 8297552546E-01	10986552E-01	-7 552	.0000	65772070
ED2	- 1143840840	29441670E-01	-3 885	0001	29778661E-01
ED3	- 1810504624	17579356E-01	-10 299	0000	47898138
ED4	- 3034578902	.21762242E-01	-13.944	.0000	21589944
ED5	- 6128612520E-01	23924783E-01	-2 562	0104	69921623E-01
ED6	-.3224016870	28353899E-01	-11 371	0000	56808240E-01
ED7	- 6404464575	30164086E-01	-21 232	0000	86884934E-01

| Partial derivatives of E[y] = F[*] with respect to the vector of characteristics |
| They are computed at the means of the Xs |
| Observations used for means are TOTH1=0 |

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.9262710846E-01	.15807293E-02	-58.598	0000	
AGEX1	.5097290892E-01	.17178981E-02	29.672	0000	.69797458E-02
AGEX2	.2019324011E-01	.10041838E-02	20.109	.0000	59700159E-01
AGEX3	.1565049360E-02	.95426230E-03	1 640	1010	11021313
AGEX5	9369630164E-02	72159297E-03	12 985	0000	16540905
MIG1	- 5494145435E-02	79521138E-03	-6.909	0000	16174874
REG1	- 2231109359E-02	.78417482E-03	-2 845	0044	89340747
MRS1	- 4541418366E-02	60289682E-03	-7 533	0000	64734578
ED2	- 6260472313E-02	16118479E-02	-3.884	0001	27806460E-01
ED3	- 9909258072E-02	.96353121E-03	-10 284	.0000	44647869
ED4	- 1660886422E-01	11888829E-02	-13 970	.0000	16640191
ED5	- 3354313613E-02	13065453E-02	-2 567	.0102	.85441488E-01
ED6	- 1764569654E-01	15320485E-02	-11 518	.0000	.76115303E-01
ED7	- 3505293023E-01	15275966E-02	-22 946	.0000	.14073670

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are TOTH1=1

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.1259745879	17672232E-02	-71 284	0000	
AGEX1	.6932410287E-01	24681479E-02	28 087	0000	53141396E-01
AGEX2	2746318161E-01	14174409E-02	19 375	.0000	12982645
AGEX3	.2128496197E-02	12994148E-02	1 638	.1014	75743307E-01
AGEX5	1274287105E-01	99987950E-03	12 744	.0000	26557245
MIG1	- 7472139836E-02	10905883E-02	-6 851	.0000	.10856989
REG1	- 3034350167E-02	10729755E-02	-2 828	0047	84353558
MRS1	- 6176413327E-02	81895998E-03	-7 542	0000	.58334454
ED2	- 8514358623E-02	21935952E-02	-3 881	0001	44531145E-01
ED3	- 1347677502E-01	.13220128E-02	-10 194	0000	.45432531
ED4	- 2258836382E-01	16436745E-02	-13 743	0000	20072649
ED5	- 4561928814E-02	17812045E-02	-2 561	0104	10345755
ED6	- 2399847503E-01	21218546E-02	-11 310	0000	48836271E-01
ED7	- 4767263616E-01	22998232E-02	-20.729	0000	32826584E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics They are computed at the means of the Xs Observations used for means are All Obs

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 9917560224E-01	15432187E-02	-64 265	0000	
AGEX1	5457655998E-01	18348221E-02	29 745	0000	11196792E-01
AGEX2	2162084926E-01	10912109E-02	19 814	0000	86031153E-01
AGEX3	1675694247E-02	10237419E-02	1 637	1017	13629884
AGEX5	1003203846E-01	76781128E-03	13 066	0000	15424253

MIG1	- 5882567116E-02	85450412E-03	-6 884	0000	14738419
REG1	- 2388842942E-02	84234372E-03	-2 836	0046	86936560
MRS1	- 4862484741E-02	64304475E-03	-7 562	0000	65772070
ED2	- 6703071296E-02	17253598E-02	-3 885	0001	29778661E-01
ED3	- 1060981664E-01	10298944E-02	-10 302	0000	47898138
ED4	- 1778306738E-01	12728717E-02	-13 971	0000	21589944
ED5	- 3591454793E-02	14018081E-02	-2 562	0104	69921623E-01
ED6	- 1889320103E-01	16574921E-02	-11 399	0000	56808240E-01
ED7	- 3753108052E-01	17191194E-02	-21 832	0000	86884934E-01

Marginal Effects for Probit

Variable	TOTH1=0	TOTH1=1	All Obs
ONE	- 0926	- 1260	- 0992
AGEX1	0510	0693	0546
AGEX2	0202	0275	0216
AGEX3	0016	0021	0017
AGEX5	0094	0127	0100
MIG1	- 0055	- 0075	- 0059
REG1	- 0022	- 0030	- 0024
MRS1	- 0045	- 0062	- 0049
ED2	-.0063	- 0085	- 0067
ED3	- 0099	- 0135	- 0106
ED4	-.0166	- 0226	- 0178
ED5	-.0034	- 0046	- 0036
ED6	-.0176	- 0240	- 0189
ED7	- 0351	- 0477	- 0375

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****	0	*****
1	7433	0	7433
Total	*****	0	*****

Table D .18 : Estimate of Below 20th hours a week (Round I, male)

```
PROBIT,Lhs=TOTH1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e .
       ,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=toth1(toth1=0, toth1=1)$
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = TOTH1    Mean=    1856927730E-01, S D =   .1349981895     |
| Model size  Observations =  350921, Parameters =  14, Deg Fr = 350907 |
| Residuals:  Sum of squares= 6298.023773    , Std.Dev.=          13397 |
| Fit         R-squared=  .015218, Adjusted R-squared =         .01518 |
| Model test  F[ 13, 350907] =  417 11,    Prob value =          00000 |
| Diagnostic  Log-L = 207472.9400, Restricted(b=0) Log-L =  204782.3310 |
|             LogAmemiyaPrCrt =   -4 020, Akaike Info  Crt.=     -1 182 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	.3774833334E-01	15189732E-02	24 851	0000	
AGEX1	.1306922205	25817470E-02	50 622	.0000	.84325794E-02
AGEX2	.3579911235E-01	10855594E-02	32 978	0000	.73967077E-01
AGEX3	.3680383142E-02	.81942372E-03	4 491	.0000	.12934079
AGEX5	.1105571700E-01	.63067611E-03	17 530	.0000	.18470531
MIG1	-.3321642883E-02	60114405E-03	-5 526	.0000	.18230342
REG1	-.4457749267E-02	70991422E-03	-6 279	.0000	.87996052
MRS1	-.6505268749E-02	.63933460E-03	-10.175	.0000	.72384780
ED2	-.9395834531E-02	18538541E-02	-5 068	.0000	.26931050E-01
ED3	-.1664561096E-01	12905167E-02	-12 898	.0000	.47811640
ED4	- 2169966564E-01	14035236E-02	-15.461	.0000	.21650860
ED5	- 8129293856E-02	14568070E-02	-5 580	.0000	10430834
ED6	- 1157720019E-01	15443430E-02	-7 497	0000	.68883197E-01
ED7	- 2300343637E-01	15274151E-02	-15 060	.0000	.71944538E-01

```
Normal exit from iterations  Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable                 TOTH1  |
| Weighting variable                 WTPOP  |
| Number of observations            350921  |
| Iterations completed                   8  |
| Log likelihood function        -30719 75  |
| Restricted log likelihood      -31657 18  |
| Chi-squared                     1874 870  |
| Degrees of freedom                    13  |
| Significance level              0000000  |
| Results retained for SELECTION model      |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-1 765107719	29520974E-01	-59 792	0000	
AGEX1	1 151011271	33689953E-01	34 165	0000	84325794E-02
AGEX2	5267528805	20746264E-01	25 390	0000	73967077E-01
AGEX3	8243564699E-01	19375663E-01	4 255	0000	12934079
AGEX5	2676023165	.13998199E-01	19 117	0000	18470531
MIG1	- 7357883005E-01	.14611893E-01	-5 036	0000	18230342
REG1	- 9671086299E-01	.15538774E-01	-6 224	0000	87996052
MRS1	- 1616967813	14742992E-01	-10 968	0000	72384780
ED2	- 1387750248	35228234E-01	-3 939	0001	26931050E-01
ED3	- 2887001897	23842656E-01	-12 109	0000	47811640
ED4	- 3719662442	27184659E-01	-13 683	0000	21650860
ED5	- 1333093560	27549960E-01	-4 839	0000	10430834

```
ED6      - 1793792395       30225700E-01   -5 935     0000    68883197E-01
ED7      - 5125523663       35021702E-01  -14 635     0000    71944538E-01
+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are TOTH1=0   |
+----------------------------------------+
+---------+-------------+----------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St.Er |P[|Z|>z] | Mean of X|
+---------+-------------+----------------+--------+---------+----------+
         Index function for probability
Constant - 6636368756E-01   13824538E-02  -48 004     0000
AGEX1     .4327517892E-01   .13153273E-02   32 901     0000    56761627E-02
AGEX2      1980460637E-01   .77433793E-03   25 576    .0000    52562544E-01
AGEX3      3099376577E-02   .72412173E-03    4 280    .0000    95145372E-01
AGEX5      1006118569E-01   .52695618E-03   19 093     0000   .20728731
MIG1     - 2766382151E-02   54886519E-03   -5 040     0000    17923732
REG1     - 3636089415E-02   57991282E-03   -6 270     0000    89602698
MRS1     - 6079399324E-02   55225113E-03  -11 008     0000    75199580
ED2      - 5217597935E-02   13251831E-02   -3 937     0001    24646038E-01
ED3      - 1085441357E-01   89898390E-03  -12.074     0000    44456020
ED4      - 1398501142E-01   10219852E-02  -13 684    .0000    16683449
ED5      - 5012102296E-02   10321138E-02   -4 856     0000    12829985
ED6      - 6744216048E-02   11305338E-02   -5 966     0000   .91503458E-01
ED7      - 1927070214E-01   12697502E-02  -15 177     0000   .11134391


+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are TOTH1=1   |
+----------------------------------------+
+---------+-------------+----------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+-------------+----------------+--------+---------+----------+
         Index function for probability
Constant - 1007157312       17595897E-02  -57 238    .0000
AGEX1      6567584544E-01   21348662E-02   30 763    .0000   .57418538E-01
AGEX2      3005612685E-01   12392152E-02   24 254    .0000   .15944321
AGEX3     .4703716591E-02   .11044265E-02    4.259     0000   .86365074E-01
AGEX5     .1526918878E-01   83464302E-03   18 294    .0000   .29484340
MIG1     -.4198353215E-02   83727426E-03   -5 014    .0000    12337868
REG1     -.5518249778E-02   .89574060E-03   -6 161     0000    82505536
MRS1     -.9226297853E-02   .84903427E-03  -10 867     0000    .60044290
ED2      -.7918399510E-02   .20123324E-02   -3 935     0001    .43815248E-01
ED3      - 1647301770E-01   13786706E-02  -11.948     0000    .40936413
ED4      - 2122411673E-01   15799456E-02  -13.433     0000    21875989
ED5      -.7606532520E-02   .15751576E-02   -4.829    .0000    14457450
ED6      - 1023524574E-01   17292639E-02   -5.919     0000    .78772540E-01
ED7      -.2924585609E-01   .20333160E-02  -14 383     0000    .35431825E-01
+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs. |
| Observations used for means are All Obs   |
+----------------------------------------+
+---------+-------------+----------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St Er.|P[|Z|>z] | Mean of X|
+---------+-------------+----------------+--------+---------+----------+
         Index function for probability
Constant - 6871385091E-01   13595484E-02  -50 542     0000
AGEX1      4480769983E-01   13525689E-02   33 128     0000    84325794E-02
AGEX2      2050595468E-01   81026042E-03   25 308     0000    73967077E-01
AGEX3      3209136018E-02   75377324E-03    4 257    .0000   .12934079
```

AGEX5	1041748641E-01	.53731727E-03	19 388	0000	.18470531
MIG1	- 2864349129E-02	.56829359E-03	-5.040	0000	18230342
REG1	- 3764855679E-02	.60421984E-03	-6.231	0000	87996052
MRS1	- 6294691480E-02	57109366E-03	-11 022	0000	72384780
ED2	-.5402370780E-02	13716146E-02	-3 939	0001	26931050E-01
ED3	- 1123880519E-01	92761791E-03	-12 116	0000	47811640
ED4	- 1448026813E-01	.10578562E-02	-13 688	0000	21650860
ED5	- 5189597844E-02	.10726790E-02	-4 838	0000	10430834
ED6	- 6983051621E-02	.11771359E-02	-5 932	0000	68883197E-01
ED7	- 1995314308E-01	13503561E-02	-14 776	0000	.71944538E-01

Marginal Effects for Probit			
Variable	TOTH1=0	TOTH1=1	All Obs.
ONE	- 0664	- 1007	- 0687
AGEX1	0433	0657	0448
AGEX2	.0198	0301	0205
AGEX3	0031	0047	0032
AGEX5	0101	0153	0104
MIG1	- 0028	- 0042	- 0029
REG1	- 0036	- 0055	- 0038
MRS1	- 0061	- 0092	- 0063
ED2	- 0052	- 0079	-.0054
ED3	- 0109	-.0165	- 0112
ED4	-.0140	-.0212	-.0145
ED5	-.0050	-.0076	-.0052
ED6	-.0067	-.0102	-.0070
ED7	-.0193	- 0292	-.0200

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****	0	*****
1	6322	0	6322
Total	*****	0	*****

Table D .19 : Estimate of Below 20th Hours a week (Round III, Female)

```
PROBIT,Lhs=TOTH1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
      ,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=toth1(toth1=0, toth1=1)$
```

```
+-----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                    |
| Ordinary    least squares regression    Weighting variable = WTPOP    |
| Dep  var  = TOTH1    Mean=    2741058217E-01, S D =    1632768372     |
| Model size  Observations =  319566, Parameters =  14, Deg.Fr = 319552  |
| Residuals   Sum of squares= 8329 567890    , Std.Dev.=          16145  |
| Fit         R-squared=   022281, Adjusted R-squared =          .02224  |
| Model test  F[ 13, 319552] =  560.17,    Prob value =          00000   |
| Diagnostic  Log-L = 129308 4104, Restricted(b=0) Log-L =  125708 0435  |
|             LogAmemiyaPrCrt =   -3 647, Akaike Info  Crt.=      -.809  |
+-----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	2790690416E-01	15630333E-02	17 854	0000	
AGEX1	1631085306	25671009E-02	63 538	0000	14483721E-01
AGEX2	4506609019E-01	12447419E-02	36 205	0000	96436367E-01
AGEX3	9100710026E-02	99288436E-03	9 166	0000	13918868
AGEX5	1881497723E-01	85306350E-03	22 056	.0000	.15719146
MIG1	- 1434627165E-01	85666179E-03	-16 747	0000	13868948
REG1	6770555302E-02	94742088E-03	7 146	0000	89053323
MRS1	- 1584559549E-02	68684809E-03	-2.307	0211	67115909
ED2	- 4449292608E-02	20325882E-02	-2 189	0286	28854603E-01
ED3	- 1260872948E-01	12299536E-02	-10.251	0000	49893756
ED4	- 2594011455E-01	14466732E-02	-17 931	0000	22644694
ED5	8311953263E-02	16950460E-02	4 904	0000	62899782E-01
ED6	- 1672726193E-01	18014404E-02	-9 285	0000	47910390E-01
ED7	- 2532013412E-01	16189637E-02	-15 640	0000	72403065E-01

```
Normal exit from iterations  Exit status=0
```

```
+-----------------------------------------------+
| Binomial Probit Model                         |
| Maximum Likelihood Estimates                  |
| Dependent variable                  TOTH1     |
| Weighting variable                  WTPOP     |
| Number of observations              319566    |
| Iterations completed                     8    |
| Log likelihood function        -37648 77      |
| Results retained for SELECTION model          |
+-----------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Index function for probability					
Constant	-1 988660027	25671827E-01	-77.465	0000	
AGEX1	1.323601812	28175437E-01	46.977	0000	14483721E-01
AGEX2	6182248744	19227603E-01	32 153	0000	96436367E-01
AGEX3	1696493260	18078378E-01	9.384	0000	13918868
AGEX5	2903753628	.12981080E-01	22.369	0000	15719146
MIG1	- 2561577170	.16697470E-01	-15 341	0000	13868948
REG1	1140406499	.18051658E-01	6 317	.0000	.89053323
MRS1	- 1056087482E-01	11778117E-01	- 897	3699	.67115909
ED2	- 5272902464E-01	29043826E-01	-1 815	0694	.28854603E-01
ED3	- 1640383795	17676752E-01	-9 280	0000	.49893756
ED4	- 3930165052	22675719E-01	-17 332	0000	22644694
ED5	2808023665E-01	24615406E-01	1 141	.2540	.62899782E-01
ED6	- 2803363206	30866050E-01	-9 082	0000	.47910390E-01
ED7	- 6132161079	34967692E-01	-17 537	0000	72403065E-01

```
+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are TOTH1=0   |
+----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.9695467217E-01	16480863E-02	-58 829	0000	
AGEX1	6453057742E-01	14397307E-02	44 821	0000	93649578E-02
AGEX2	3014079291E-01	90807703E-03	33 192	0000	63747713E-01
AGEX3	8271044104E-02	86775920E-03	9 531	0000	11005027
AGEX5	1415689345E-01	63851927E-03	22 171	0000	.17140788
MIG1	- 1248865424E-01	80415623E-03	-15 530	.0000	.15024622
REG1	.5559911539E-02	.88695761E-03	6.269	.0000	.90659071
MRS1	- 5148824547E-03	57459189E-03	- 896	3702	.65939812
ED2	- 2570738703E-02	14160402E-02	-1 815	.0695	.27252252E-01
ED3	- 7997489311E-02	86337457E-03	-9 263	.0000	.47119226
ED4	- 1916103603E-01	11021142E-02	-17 386	.0000	.17143031
ED5	1369017380E-02	12017943E-02	1 139	.2546	.77883257E-01
ED6	-.1366745231E-01	14862521E-02	-9 196	.0000	.68239561E-01
ED7	- 2989659666E-01	15723202E-02	-19 014	.0000	.12533921

```
+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics. |
| They are computed at the means of the Xs. |
| Observations used for means are TOTH1=1   |
+----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1597066972	22541813E-02	-70 849	0000	
AGEX1	1062967380	.25798034E-02	41 203	.0000	86903962E-01
AGEX2	4964883463E-01	.16044298E-02	30.945	0000	15836132
AGEX3	.1362431646E-01	14478543E-02	9 410	0000	75889859E-01
AGEX5	2331966727E-01	10885752E-02	21.422	0000	28139691
MIG1	- 2057169269E-01	13550223E-02	-15 182	0000	84754869E-01
REG1	9158456097E-02	14505642E-02	6 314	0000	91403627
MRS1	- 8481301048E-03	94628638E-03	- 896	3701	55339154
ED2	- 4234599307E-02	23327004E-02	-1 815	0695	45936870E-01
ED3	- 1317370865E-01	.14292457E-02	-9 217	0000	44633983
ED4	- 3156264376E-01	18522635E-02	-17 040	0000	22055071
ED5	2255087241E-02	19776891E-02	1 140	2542	11148422
ED6	- 2251344487E-01	24770911E-02	-9 089	0000	47280054E-01
ED7	- 4924658712E-01	28485688E-02	-17 288	0000	22162525E-01

```
+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs.  |
+----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1052178587	15810219E-02	-66 551	0000	
AGEX1	7003034536E-01	15325957E-02	45 694	0000	14483721E-01
AGEX2	3270961180E-01	10079914E-02	32 450	0000	96436367E-01
AGEX3	8975962997E-02	95382186E-03	9 411	0000	13918868
AGEX5	1536344749E-01	68232626E-03	22 516	0000	15719146

MIG1	- 1355302873E-01	87696320E-03	-15 455	0000	13868948
REG1	6033767879E-02	95393874E-03	6 325	0000	89053323
MRS1	- 5587645045E-03	62321396E-03	- 897	3699	67115909
ED2	- 2789835864E-02	15367078E-02	-1 815	0695	28854603E-01
ED3	- 8679093863E-02	93544133E-03	-9 278	0000	49893756
ED4	- 2079407971E-01	11950888E-02	-17 400	0000	22644694
ED5	1485695058E-02	13026812E-02	1 140	2541	62899782E-01
ED6	- 1483229259E-01	16300627E-02	-9 099	0000	47910390E-01
ED7	- 3244460336E-01	17999482E-02	-18 025	0000	72403065E-01

Marginal Effects for Probit

Variable	TOTH1=0	TOTH1=1	All Obs
ONE	- 0970	- 1597	- 1052
AGEX1	0645	1063	0700
AGEX2	0301	0496	0327
AGEX3	0083	0136	0090
AGEX5	0142	0233	0154
MIG1	- 0125	- 0206	-.0136
REG1	0056	0092	0060
MRS1	- 0005	- 0008	- 0006
ED2	- 0026	- 0042	-.0028
ED3	-.0080	- 0132	- 0087
ED4	- 0192	- 0316	- 0208
ED5	0014	0023	0015
ED6	- 0137	- 0225	- 0148
ED7	- 0299	- 0492	-.0324

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****	0	*****
1	7445	0	7445
Total	*****	0	*****

Table D .20 : Estimate of Below 20th Hours a week (Round III , Male)

```
PROBIT;Lhs=TOTH1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
      ,Wts=WTPOP,Hold(IMR=mills);Prob=prob,Margin=toth1(toth1=0, toth1=1)$
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep. var. = TOTH1    Mean=    .1944968502E-01, S.D =    .1380994267  |
| Model size  Observations =  335354, Parameters =  14, Deg Fr.= 335340 |
| Residuals:  Sum of squares= 6188.181488    , Std.Dev.=          13584 |
| Fit:        R-squared=  .032442, Adjusted R-squared =          03240 |
| Model test: F[ 13, 335340) =  864.91,    Prob value =          00000 |
| Diagnostic: Log-L = 193611 3214, Restricted(b=0) Log-L =  188081.3831 |
|             LogAmemiyaPrCrt =   -3 992, Akaike Info. Crt =     -1 155 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Constant	.2121191681E-01	15778449E-02	13.444	0000	
AGEX1	1820591420	.22577006E-02	80.639	0000	.12448330E-01
AGEX2	.5146875968E-01	.10801080E-02	47.651	0000	.87899610E-01
AGEX3	7880155399E-02	84024685E-03	9.378	0000	13882535
AGEX5	.1458065395E-01	.66534717E-03	21.914	0000	17727253
MIG1	- 7401635918E-02	62007734E-03	-11.937	0000	18542572
REG1	3421887179E-02	.76682702E-03	4.462	0000	.88808361
MRS1	- 4786400914E-02	66215035E-03	-7.229	0000	70318796
ED2	-.3927432413E-02	19389510E-02	-2 026	0428	.25701898E-01
ED3	- 1030214833E-01	13265930E-02	-7 766	.0000	.47711527
ED4	- 1943400548E-01	14437042E-02	-13 461	.0000	.23179620
ED5	2133379800E-02	.15085299E-02	1 414	1573	10004324
ED6	- 5139098948E-02	.16076063E-02	-3 197	0014	.65154944E-01
ED7	- 1344655154E-01	.15981353E-02	-8 414	0000	.66165714E-01

```
Normal exit from iterations. Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable              TOTH1     |
| Weighting variable              WTPOP     |
| Number of observations          335354    |
| Iterations completed                8     |
| Log likelihood function       -29066 67   |
| Restricted log likelihood     -29773 63   |
| Chi-squared                    1413 910   |
| Degrees of freedom                  13    |
| Significance level              0000000   |
| Results retained for SELECTION model      |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-2 111666359	.33507999E-01	-63 020	0000	
AGEX1	1 517760354	30389693E-01	49 943	0000	12448330E-01
AGEX2	7746462806	21677208E-01	35 736	0000	87899610E-01
AGEX3	2033685328	20772967E-01	9 790	0000	13882535
AGEX5	3728757344	14805150E-01	25 186	0000	17727253
MIG1	- 1733206432	16107668E-01	-10 760	0000	18542572
REG1	6883075271E-01	19168234E-01	3 591	0003	88808361
MRS1	- 1240463709	16179304E-01	-7 667	0000	70318796
ED2	- 5876226249E-01	37635453E-01	-1 561	1184	25701898E-01
ED3	- 1898652797	25717635E-01	-7 383	0000	47711527
ED4	- 3648878660	29202984E-01	-12 495	0000	23179620
ED5	- 7339415103E-02	29506084E-01	- 249	8036	10004324

```
 ED6       - 9265751561E-01   33170999E-01   -2 793    0052   65154944E-01
 ED7       - 3377500103       38037733E-01   -8 879    0000   66165714E-01
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are TOTH1=0   |
+-----------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
 Constant - 7297015803E-01   14908481E-02  -48.945    0000
 AGEX1      5244730655E-01   11527794E-02   45 496    0000   83021686E-02
 AGEX2      2676846239E-01   74120193E-03   36 115    0000   59256539E-01
 AGEX3      7027546713E-02   70278903E-03   10 000    0000   97646859E-01
 AGEX5      1288499064E-01   51044375E-03   25 243    0000   20650696
 MIG1     -.5989220159E-02   55552220E-03  -10 781   .0000  .17737803
 REG1       2378496433E-02   66571126E-03    3 573   .0004   90388305
 MRS1     - 4286512048E-02   55839282E-03   -7 677    0000   74155820
 ED2      - 2030572473E-02   13006286E-02   -1 561    1185   24284223E-01
 ED3      - 6560932038E-02   89026125E-03   -7 370    0000   45065446
 ED4      - 1260896407E-01   10076804E-02  -12 513    0000   17279439
 ED5      - 2536187962E-03   10193281E-02    - 249    8035   12459627
 ED6      - 3201847455E-02   11424464E-02   -2.803    0051   88048520E-01
 ED7      - 1167119584E-01   12836931E-02   -9 092    0000   10648024
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are TOTH1=1   |
+-----------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St Er.|P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
 Constant - 1470089016       25438176E-02  -57 791    0000
 AGEX1      1056626590       25814079E-02   40 932    0000   11144883
 AGEX2     .5392892600E-01   16278631E-02   33 129   .0000  .20246538
 AGEX3     .1415800583E-01   14435140E-02    9 808   .0000  .75143533E-01
 AGEX5      2595867094E-01   11012164E-02   23 573    0000   29702803
 MIG1     - 1206614732E-01  .11352236E-02  -10 629   .0000   99121918E-01
 REG1      .4791823911E-02  .13341187E-02    3 592    0003   90138467
 MRS1     - 8635796395E-02   11330059E-02   -7 622    0000   53123945
 ED2      - 4090880941E-02   26216376E-02   -1.560    1187   38500507E-01
 ED3      - 1321794331E-01   18042304E-02   -7.326    0000   37723742
 ED4      - 2540257563E-01   20694048E-02  -12.275    0000   26004728
 ED5      - 5109516226E-03   20542236E-02    - 249    8036   15028707
 ED6      -.6450583225E-02   23098287E-02   -2 793    0052  .73961499E-01
 ED7      -.2351330635E-01   26665753E-02   -8 818   .0000  .33096927E-01
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs   |
+-----------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St.Er |P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
 Constant - 7584070588E-01   14452201E-02  -52.477    0000
 AGEX1      5451051304E-01   11807786E-02   46 165    0000   12448330E-01
 AGEX2      2782149769E-01   78474034E-03   35.453    0000  .87899610E-01
 AGEX3      7304000947E-02   74247526E-03    9 837    0000   13882535
 AGEX5      1339186884E-01   51798420E-03   25 854    0000   17727253
 MIG1     - 6224828023E-02   57593986E-03  -10 808    0000  .18542572
```

REG1	.2472063283E-02	.68826525E-03	3 592	0003	88808361
MRS1	-.4455137665E-02	57960417E-03	-7 687	0000	70318796
ED2	-.2110452462E-02	13517497E-02	-1 561	1185	25701898E-01
ED3	- 6819030279E-02	92382287E-03	-7 381	^000	[illegible]711527
ED4	- 1310498376E-01	.10485925E-02	-12 498	0000	23179620
ED5	- 2635958185E-03	.10596929E-02	- 249	.8036	10004324
ED6	- 3327803827E-02	11914931E-02	-2 793	.0052	.65154944E-01
ED7	-.1213032499E-01	13602224E-02	-8 918	.0000	.66165714E-01

Marginal Effects for Probit

Variable	TOTH1=0	TOTH1=1	All Obs.
ONE	-.0730	- 1470	- 0758
AGEX1	0524	1057	0545
AGEX2	.0268	0539	0278
AGEX3	0070	0142	0073
AGEX5	0129	0260	0134
MIG1	- 0060	- 0121	- 0062
REG1	0024	0048	0025
MRS1	- 0043	- 0086	- 0045
ED2	- 0020	- 0041	- 0021
ED3	- 0066	- 0132	- 0068
ED4	- 0126	- 0254	-.0131
ED5	- 0003	-.0005	-.0003
ED6	- 0032	-.0065	-.0033
ED7	- 0117	-.0235	-.0121

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****	0	*****
1	5922	0	5922
Total	*****	0	*****

Table D .21 : Estimate of Work status (Round I, Female)

```
PROBIT,Lhs=WKST3,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
      ,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=Wkst3(wkst3=0, wkst3=1)$
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = WKST3     Mean=    .5725400456     , S D.=    4947107562 |
| Model size  Observations =  309593, Parameters =  14, Deg.Fr.= 309579 |
| Residuals   Sum of squares= 70519 91681     , Std Dev =          47728 |
| Fit         R-squared=   069279, Adjusted R-squared =          .06924 |
| Model test. F[ 13, 309579] = 1772.61,     Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -221406.9562 |
|             LogAmemiyaPrCrt =   -1 479, Akaike Info  Crt =      1 359 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	8628632387	45629194E-02	189 103	0000	
AGEX1	- 3360013431	85759071E-02	-39.180	0000	11196792E-01
AGEX2	- 2015854396	37798369E-02	-53.332	0000	.86031153E-01
AGEX3	-.4647243877E-01	29514472E-02	-15 746	.0000	.13629884
AGEX5	- 3371198940E-01	25813837E-02	-13 060	0000	15424253
MIG1	1340537828	25085685E-02	53 438	0000	14738419
REG1	- 1164879050	.25985742E-02	-44 828	0000	86936560
MRS1	- 2215556374	20016349E-02	-110.687	0000	65772070
ED2	2715205697E-01	60526123E-02	4 486	.0000	29778661E-01
ED3	1485026747E-02	37217460E-02	.399	6899	.47898138
ED4	- 1590388971E-01	43305771E-02	-3 672	.0002	.21589944
ED5	- 3791123095E-03	49592097E-02	- 076	9391	69921623E-01
ED6	- 6445157920E-01	51770323E-02	-12 450	0000	56808240E-01
ED7	- 2859861798	.46736606E-02	-61 191	0000	.86884934E-01

```
Normal exit from iterations  Exit status=0.
```

```
+-----------------------------------------+
| Binomial Probit Model                   |
| Maximum Likelihood Estimates            |
| Dependent variable            WKST3     |
| Weighting variable            WTPOP     |
| Number of observations        309593    |
| Iterations completed              4     |
| Log likelihood function      -200003 6  |
| Restricted log likelihood    -212013.5  |
| Chi-squared                   24019 79  |
| Degrees of freedom               13     |
| Significance level            .0000000  |
| Results retained for SELECTION model    |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	1 008637829	12662920E-01	79 653	0000	
AGEX1	-.9077626624	.23018643E-01	-39.436	0000	.11196792E-01
AGEX2	- 5541425095	10252109E-01	-54.052	0000	.86031153E-01
AGEX3	-.1279755611	79884504E-02	-16 020	0000	.13629884
AGEX5	-.8826356658E-01	70076924E-02	-12 595	.0000	.15424253
MIG1	.3781192710	.69786627E-02	54 182	0000	.14738419
REG1	- 3328828893	.72619021E-02	-45 840	0000	86936560
MRS1	- 6155530774	56266314E-02	-109.400	0000	.65772070
ED2	7400395909E-01	16486284E-01	4 489	0000	29778661E-01
ED3	4704263962E-02	10085031E-01	.466	6409	.47898138
ED4	-.4568336292E-01	11716190E-01	-3 899	.0001	.21589944
ED5	- 6135888799E-02	13458760E-01	- 456	6485	69921623E-01

```
 ED6       - 1834141980       .14009086E-01  -13.093     0000    56808240E-01
 ED7       - 7792064229       .12758309E-01  -61.074     0000    86884934E-01


+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics. |
| They are computed at the means of the Xs. |
| Observations used for means are WKST3=0   |
+----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er.|P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant   4020330744       .50482669E-02   79 638    .0000
 AGEX1     - 3618252296        91757049E-02  -39 433    .0000   .95965589E-02
 AGEX2     -.2208757300        40853467E-02  -54.065    .0000   .51935627E-01
 AGEX3     -.5100979442E-01    31834700E-02  -16.023     0000   .89773064E-01
 AGEX5     -.3518098570E-01    .27935168E-02  -12.594    0000   .16658262
 MIG1        1507146061        .27822313E-02   54.170   .0000    12629783
 REG1      -.1326838312        .28971508E-02  -45 798     0000   90929249
 MRS1      - 2453533757        .22465570E-02 -109 213     0000   .73583506
 ED2        .2949724702E-01    .65712979E-02    4 489   .0000   22174429E-01
 ED3        .1875073143E-02    40197923E-02       466    6409    40246218
 ED4       -.1820893716E-01    46700385E-02    -3 899   .0001    14148621
 ED5       - 2445704660E-02    53645564E-02     - 456    6485    77039454E-01
 ED6       - 7310708741E-01    .55850247E-02  -13 090    .0000   .78493029E-01
 ED7       - 3105839826        .50974157E-02  -60.930    .0000   .22747701
+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are WKST3=1   |
+----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant   3863779006       .47863639E-02   80 725     0000
 AGEX1     - 3477357499        87964651E-02  -39 531     0000    69240585E-02
 AGEX2     -.2122748258        39022877E-02  -54 398    .0000   .68674071E-01
 AGEX3     - 4902347228E-01    .30562043E-02  -16.041     0000   .12451861
 AGEX5     - 3381103760E-01    .26847887E-02  -12 594     0000    16876391
 MIG1        1448457771        .26579736E-02   54.495     0000    18684086
 REG1      -.1275171209        27847087E-02  -45.792     0000   .87902926
 MRS1      - 2357993117        21136061E-02 -111.563     0000    57634490
 ED2         2834862379E-01    63151806E-02    4.489     0000    32863527E-01
 ED3        .1802057767E-02    38632635E-02       466    6409    48077572
 ED4       - 1749988088E-01    .44881076E-02   -3 899     0001    18708692
 ED5       - 2350468885E-02    .51557317E-02    - 456    6485    92690826E-01
 ED6       - 7026029634E-01    53680313E-02  -13 089     0000    73120347E-01
 ED7       -.2984898377        .48762465E-02  -61 213     0000    69217696E-01
+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs. |
| Observations used for means are All Obs   |
+----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant   3946353725       49182374E-02   80 239    .0000
 AGEX1     - 3551673814        90052009E-02  -39 440     0000   11196792E-01
 AGEX2     - 2168114554        40095096E-02  -54 074     0000   86031153E-01
 AGEX3     - 5007117698E-01    31253201E-02  -16 021     0000   13629884
```

AGEX5	- 3453362989E-01	27418906E-02	-12 595	0000	15424253
MIG1	.1479413473	27288932E-02	54 213	0000	14738419
REG1	- 1302423519	28403269E-02	-45 855	0000	86936560
MRS1	- 2408386946	21970522E-02	-109 619	0000	65772070
ED2	2895447615E-01	64503405E-02	4 489	0000	29778661E-01
ED3	1840570429E-02	39458263E-02	466	6409	.47898138
ED4	- 1787387943E-01	45840237E-02	-3 899	0001	.21589944
ED5	- 2400701910E-02	52658166E-02	- 456	6485	69921623E-01
ED6	- 7176186365E-01	54809819E-02	-13 093	0000	56808240E-01
ED7	- 3048690106	49922802E-02	-61.068	0000	.86884934E-01

Marginal Effects for Probit			
Variable	WKST3=0	WKST3=1	All Obs
ONE	4020	3864	3946
AGEX1	- 3618	- 3477	-.3552
AGEX2	- 2209	- 2123	- 2168
AGEX3	- 0510	- 0490	- 0501
AGEX5	- 0352	- 0338	- 0345
MIG1	1507	1448	.1479
REG1	- 1327	- 1275	- 1302
MRS1	- 2454	- 2358	- 2408
ED2	0295	0283	.0290
ED3	0019	0018	.0018
ED4	-.0182	-.0175	-.0179
ED5	- 0024	- 0024	-.0024
ED6	- 0731	-.0703	- 0718
ED7	- 3106	- 2985	- 3049

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	5105383787		*****
1	30425*****		*****
Total	81478*****		*****

Table D .22 : Estimate of Work Status (Round I, male)

```
PROBIT,Lhs=WKST3;Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
       ;Wts=WTPOP;Hold(IMR=mills),Prob=prob,Margin=Wkst3(wkst3=0, wkst3=1)$
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep. var  = WKST3    Mean=   .7503086690    , S.D.=   .4328349617    |
| Model size: Observations =  350921, Parameters =  14, Deg Fr = 350907 |
| Residuals   Sum of squares= 57600.02455    , Std Dev =          .40515 |
| Fit         R-squared=  .123867, Adjusted R-squared =          12383 |
| Model test. F[ 13, 350907] = 3816 24,    Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -204074.0196 |
|             LogAmemiyaPrCrt.=   -1.807, Akaike Info  Crt.=      1 031 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	.9115664220	.45936648E-02	198.440	0000	
AGEX1	-.3397827935	.78076956E-02	-43 519	.0000	84325794E-02
AGEX2	-.1634757544	.32829389E-02	-49.796	0000	73967077E-01
AGEX3	-.4758968414E-01	.24780937E-02	-19 204	0000	.12934079
AGEX5	- 3859438857E-02	.19072849E-02	-2 024	0430	.18470531
MIG1	5952991983E-01	.18179743E-02	32.745	0000	.18230342
REG1	- 7196539804E-01	.21469160E-02	-33 520	.0000	.87996052
MRS1	.4251348274E-01	.19334698E-02	21.988	.0000	.72384780
ED2	-.3654473157E-02	.56064084E-02	-.652	.5145	.26931050E-01
ED3	- 2247344373E-01	.39027686E-02	-5.758	.0000	.47811640
ED4	-.1392343711	.42445231E-02	-32.803	0000	.21650860
ED5	-.2232489429	.44056623E-02	-50 673	0000	.10430834
ED6	-.2800572028	.46703879E-02	-59 964	0000	.68883197E-01
ED7	-.4748781012	.46191946E-02	-102 805	0000	.71944538E-01

```
Normal exit from iterations. Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable                 WKST3  |
| Weighting variable                 WTPOP  |
| Number of observations            350921  |
| Iterations completed                   5  |
| Log likelihood function       -176332.8   |
| Restricted log likelihood     -210937 5   |
| Chi-squared                    69209.52   |
| Degrees of freedom                   13   |
| Significance level             .0000000   |
| Results retained for SELECTION model      |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	1 272126072	.17667176E-01	72 005	0000	
AGEX1	- 9014606570	24792535E-01	-36 360	.0000	84325794E-02
AGEX2	- 4456164585	10585654E-01	-42 096	0000	73967077E-01
AGEX3	- 1469630393	81847815E-02	-17 956	0000	12934079
AGEX5	- 1157585818E-01	71754097E-02	-1 613	1067	18470531
MIG1	1983328571	64308027E-02	30 841	0000	18230342
REG1	- 2244345156	75694319E-02	-29 650	0000	87996052
MRS1	1431147482	65460014E-02	21 863	0000	72384780
ED2	- 2149964537E-01	22382711E-01	- 961	3368	26931050E-01
ED3	- 9978219770E-01	15652748E-01	-6.375	0000	47811640
ED4	- 5251547146	16475312E-01	-31 875	0000	21650860
ED5	- 7737145956	16831275E-01	-45 969	0000	10430834

```
ED6      - 9299829442       17501037E-01  -53 139    0000   68883197E-01
ED7      -1 434178768       17356613E-01  -82 630    0000   71944538E-01
+----------------------------------------+
  Partial derivatives of E[y] = F[*]   with
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are WKST3=0   |
+----------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St Er.|P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
Constant   4699314654       65598058E-02   71 638    0000
AGEX1    - 3330053026       91804362E-02  -36.273    0000   13309654E-01
AGEX2    - 1646135552       39085324E-02  -42 116    .0000  74026935E-01
AGEX3    - 5428908181E-01   30170452E-02  -17 994    .0000  .10188940
AGEX5    - 4276195669E-02   26509925E-02   -1 613    .1067  .16014997
MIG1       7326541939E-01   23795503E-02   30 790    0000   .18328647
REG1     - 8290753811E-01   28145451E-02  -29 457    0000   89791328
MRS1       5286749861E-01   24180964E-02   21 863    0000   .68998076
ED2      - 7942105798E-02   82682880E-02    - 961    3368   10359627E-01
ED3      - 3686017873E-01   57826423E-02   -6 374    0000   22836565
ED4      - 1939954931       61011304E-02  -31 797    0000   16380050
ED5      - 2858150947       62702012E-02  -45 583    0000   18238863
ED6      - 3435416169       65409600E-02  -52.522    .0000  14554783
ED7      - 5297947625       66104096E-02  -80.146    0000   25531054
+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are WKST3=1   |
+----------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St.Er |P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
Constant   3643604237       49754056E-02   73.232    0000
AGEX1    - 2581949967       70944353E-02  -36 394    0000   .38867474E-02
AGEX2    - 1276327914       30189721E-02  -42 277    0000   46552816E-01
AGEX3    -.4209293122E-01   23373693E-02  -18 009    .0000  .92184031E-01
AGEX5    -.3315539777E-02   20556083E-02   -1 613    .1068  .22864893
MIG1      .5680619669E-01   18398681E-02   30 875    .0000  .17617784
REG1     - 6428219419E-01   .21739014E-02  -29 570    0000   .89346305
MRS1       4099070952E-01   .18747784E-02   21 864    0000   .77334252
ED2      - 6157895879E-02   64106737E-02    - 961    .3368   30933701E-01
ED3      - 2857946601E-01   44814372E-02   -6 377    0000   .53147063
ED4      -.1504140183       47020381E-02  -31.989    0000   16938205
ED5      - 2216061632       48050804E-02  -46.119    0000   10674531
ED6      - 2663643070       49948683E-02  -53 328    0000   69232187E-01
ED7      - 4107753117       49340741E-02  -83 253    0000   50952453E-01
+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics. |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs.  |
+----------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St.Er.|P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
Constant   3851661703       52726412E-02   73.050    0000
AGEX1    - 2729384741       75186269E-02  -36.302    .0000  .84325794E-02
AGEX2    - 1349208923       32092514E-02  -42.041    .0000  .73967077E-01
AGEX3    - 4449652613E-01   .24779412E-02  -17 957    0000   12934079
AGEX5    - 3504864072E-02   21725397E-02   -1 613    1067   18470531
MIG1       6004995001E-01   19464091E-02   30 852    0000   18230342
```

REG1	- 6795284269E-01	22924705E-02	-29 642	0000	87996052
MRS1	4333136526E-01	.19811712E-02	21.872	.0000	72384780
ED2	- 6509524686E-02	67768669E-02	- 961	3368	26931050E-01
ED3	-.3021141363E-01	.47387496E-02	-6 375	0000	47811640
ED4	- 1590029752	49809844E-02	-31 922	0000	21650860
ED5	- 2342603412	50859405E-02	-46 060	.0000	10430834
ED6	- 2815742692	52887952E-02	-53 240	0000	68883197E-01
ED7	- 4342314460	52570106E-02	-82.600	.0000	71944538E-01

Marginal Effects for Probit			
Variable	WKST3=0	WKST3=1	All Obs.
ONE	4699	3644	3852
AGEX1	- 3330	-.2582	- 2729
AGEX2	-.1646	- 1276	- 1349
AGEX3	-.0543	- 0421	-.0445
AGEX5	- 0043	-.0033	- 0035
MIG1	.0733	.0568	.0600
REG1	- 0829	-.0643	-.0680
MRS1	.0529	0410	0433
ED2	-.0079	- 0062	- 0065
ED3	-.0369	-.0286	- 0302
ED4	- 1940	-.1504	- 1590
ED5	- 2858	- 2216	- 2343
ED6	-.3435	- 2664	- 2816
ED7	-.5298	- 4108	- 4342

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	2979	271	563
1	1629	8*****	*****
Total	4609	0*****	*****

Table D.23 : Estimate of Work Status (Round III, Female)

```
PROBIT,Lhs=WKST3,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
      ,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=Wkst3(wkst3=0, wkst3=1)$

+---------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                  |
| Ordinary    least squares regression    Weighting variable = WTPOP  |
| Dep  var. = WKST3     Mean=    4453025769     , S D.=    4969999646  |
| Model size  Observations =  319566, Parameters =  14, Deg.Fr.= 319552 |
| Residuals   Sum of squares= 70794 41378     , Std.Dev =        .47068 |
| Fit.        R-squared=   103135, Adjusted R-squared =         10310 |
| Model test  F[ 13, 319552] = 2826 68,     Prob value =         00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -230014.5507 |
|             LogAmemiyaPrCrt =   -1 507, Akaike Info. Crt =     1 331 |
+---------------------------------------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
 Constant   9331389287       45567636E-02  204 781    0000
 AGEX1    - 4012802086       74839555E-02  -53.619    0000    14483721E-01
 AGEX2    - 2614367440       36288379E-02  -72 044    0000    96436367E-01
 AGEX3    - 8229381307E-01   28945891E-02  -28.430   .0000    13918868
 AGEX5    - 6485495642E-02  .24869647E-02   -2 608   .0091    15719146
 MIG1       1234073107       24974549E-02   49 413    0000   .13868948
 REG1     - 2530411482       27620479E-02  -91 614    0000    89053323
 MRS1     - 2675613217       20023913E-02 -133 621    0000    67115909
 ED2        1463512241E-01   59256727E-02    2.470    0135    28854603E-01
 ED3      - 4600989382E-01   35857252E-02  -12 831    0000    49893756
 ED4      - 7693693404E-01   42175350E-02  -18 242    0000    22644694
 ED5        2850869897E-01   49416245E-02    5 769   .0000    62899782E-01
 ED6      - 2624549147E-01   52517998E-02   -4 997    0000   .47910390E-01
 ED7      - 2363969249       47198191E-02  -50 086    0000    72403065E-01

Normal exit from iterations  Exit status=0

              +-----------------------------------------+
              | Binomial Probit Model                   |
              | Maximum Likelihood Estimates            |
              | Dependent variable              WKST3   |
              | Weighting variable              WTPOP   |
              | Number of observations          319566  |
              | Iterations completed                5   |
              | Log likelihood function       -202418.2 |
              | Restricted log likelihood     -221452 1 |
              | Chi-squared                    38067.79 |
              | Degrees of freedom                13    |
              | Significance level             0000000  |
              | Results retained for SELECTION model    |
              +-----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er.|P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant  1.199098390       12915867E-01   92 839    .0000
 AGEX1    -1 118871204      .22186235E-01  -50 431    0000   .14483721E-01
 AGEX2    - 7114096089       10133602E-01  -70.203    0000   .96436367E-01
 AGEX3    - 2220106427       79912762E-02  -27.782    0000   .13918868
 AGEX5    - 2123262931E-01   68760139E-02   -3 088    0020    15719146
 MIG1       .3402849271      69113323E-02   49 236   .0000   .13868948
 REG1     - 7026050751      .78930071E-02  -89 016    0000   .89053323
 MRS1     - 7215555586       56253244E-02 -128 269    0000   .67115909
 ED2        4047948090E-01   16298744E-01    2.484    0130   .28854603E-01
 ED3      - 1234149217       98585236E-02  -12 519    0000   .49893756
 ED4      - 2136079922       11594182E-01  -18.424   .0000   .22644694
 ED5        7403745860E-01   13595324E-01    5 446   .0000   .62899782E-01
```

ED6	- 7944655565E-01	14431253E-01	-5 505	.0000	47910390E-01
ED7	-.6624651801	13178052E-01	-50 270	.0000	.72403065E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs Observations used for means are WKST3=0

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	4631305914	49816079E-02	92.968	0000	
AGEX1	- 4321442567	85606775E-02	-50.480	.0000	.14822462E-01
AGEX2	- 2747694065	.39236589E-02	-70.029	.0000	.63081499E-01
AGEX3	-.8574769270E-01	30927602E-02	-27 725	.0000	.95731475E-01
AGEX5	-.8200728362E-02	26553758E-02	-3 088	.0020	.17069184
MIG1	.1314290478	26662168E-02	49 294	.0000	.11647186
REG1	-.2713688108	30153640E-02	-89 995	.0000	.94000344
MRS1	-.2786881006	21508932E-02	-129 569	.0000	.75096788
ED2	.1563448512E-01	62950555E-02	2 484	0130	.22774480E-01
ED3	-.4766683547E-01	38071794E-02	-12 520	.0000	.45891867
ED4	-.8250231725E-01	44754139E-02	-18.435	0000	16669739
ED5	.2859566178E-01	.52527337E-02	5 444	.0000	65576491E-01
ED6	-.3068483005E-01	.55711738E-02	-5 508	0000	62854123E-01
ED7	-.2558654847	.50385516E-02	-50 782	0000	.17070413

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics They are computed at the means of the Xs. Observations used for means are WKST3=1

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	4783354521	.51480218E-02	92 916	0000	
AGEX1	- 4463318170	.88489590E-02	-50 439	0000	73833206E-02
AGEX2	- 2837902543	40406198E-02	-70 234	0000	68930120E-01
AGEX3	- 8856284192E-01	31874477E-02	-27 785	0000	12328488
AGEX5	-.8469963291E-02	27429351E-02	-3.088	0020	17737184
MIG1	1357439438	27563990E-02	49.247	0000	18217929
REG1	- 2802780148	31482515E-02	-89 027	0000	87227748
MRS1	-.2878376014	22413377E-02	-128 422	0000	55935986
ED2	.1614777483E-01	65017695E-02	2 484	0130	.32785004E-01
ED3	- 4923176685E-01	.39326731E-02	-12.519	0000	48274675
ED4	- 8521091881E-01	.46250554E-02	-18.424	0000	17867253
ED5	2953447485E-01	54232744E-02	5 446	0000	92246876E-01
ED6	- 3169223180E-01	57568637E-02	-5 505	0000	72832186E-01
ED7	- 2642657051	52565559E-02	-50.274	0000	73374139E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	.4737968108	.51347684E-02	92.272	.0000	
AGEX1	-.4420968392	.87651196E-02	-50.438	*.0000*	.14483721E-01
AGEX2	-.2810975369	.40047523E-02	-70.191	.0000	.96436367E-01
AGEX3	-.8772252166E-01	.31576558E-02	-27.781	.0000	*.13918868*
AGEX5	-.8389596835E-02	.27168827E-02	-3.088	.0020	.15719146
MIG1	.1344559501	.27311946E-02	49.230	.0000	.13868948
REG1	-.2776186231	.31223586E-02	-88.913	.0000	.89053323
MRS1	-.2851064812	.22255994E-02	-128.103	.0000	.67115909
ED2	.1599455818E-01	.64400843E-02	2.484	.0130	.28854603E-01
ED3	-.4876463582E-01	.38953851E-02	-12.519	.0000	.49893756
ED4	-.8440240296E-01	.45811721E-02	-18.424	.0000	.22644694
ED5	.2925423974E-01	.53718850E-02	5.446	.0000	.62899782E-01
ED6	-.3139152301E-01	.57022212E-02	-5.505	*.0000*	.47910390E-01
ED7	-.2617582446	.52074307E-02	-50.266	.0000	.72403065E-01

Marginal Effects for Probit			
Variable	WKST3=0	WKST3=1	All Obs.
ONE	.4631	.4783	.4738
AGEX1	-.4321	-.4463	-.4421
AGEX2	-.2748	-.2838	-.2811
AGEX3	-.0857	-.0886	-.0877
AGEX5	-.0082	-.0085	-.0084
MIG1	.1314	.1357	.1345
REG1	-.2714	-.2803	-.2776
MRS1	-.2787	-.2878	-.2851
ED2	.0156	.0161	.0160
ED3	-.0477	-.0492	-.0488
ED4	-.0825	-.0852	-.0844
ED5	*.0286*	.0295	.0293
ED6	-.0307	-.0317	-.0314
ED7	-.2559	-.2643	-.2618

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****29561		*****
1	8868568155		*****
Total	*****97716		*****

Table D .24 : Estimate of Work Status (Round III ,Male)

```
PROBIT,Lhs=WKST3;Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e.
      ,Wts=WTPOP;Hold(IMR=mills);Prob=prob,Margin=Wkst3(wkst3=0, wkst3=1)$
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep. var. = WKST3    Mean=   .6811176037    , S.D.=    4660440551    |
| Model size: Observations =  335354, Parameters =  14, Deg Fr = 335340 |
| Residuals:  Sum of squares= 60969 49597    , Std Dev =          .42640 |
| Fit         R-squared=   162940, Adjusted R-squared =          16291 |
| Model test: F[ 13, 335340] = 5021 27,    Prob value =          00000 |
| Diagnostic: Log-L = **********, Restricted(b=0) Log-L = -219811 7863 |
|             LogAmemiyaPrCrt =   -1 705, Akaike Info  Crt =      1 133 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
Constant	9076109769	49526665E-02	183.257	0000	
AGEX1	- 3882831533	.70866523E-02	-54.791	0000	.12448330E-01
AGEX2	- 2279387393	33903298E-02	-67.232	0000	.87899610E-01
AGEX3	- 1099028605	26374344E-02	-41.670	.0000	.13882535
AGEX5	2542611323E-01	20884452E-02	12.175	.0000	17727253
MIG1	1246638337E-01	19463487E-02	6.405	0000	18542572
REG1	- 1320850651	24069784E-02	-54.876	0000	88808361
MRS1	7879167226E-01	.20784108E-02	37.910	.0000	70318796
ED2	5703773583E-02	60861355E-02	.937	3487	25701898E-01
ED3	-.3326041059E-01	.41640168E-02	-7.988	0000	47711527
ED4	- 2068315659	.45316150E-02	-45.642	.0000	.23179620
ED5	- 2231922948	.47350952E-02	-47 136	0000	10004324
ED6	- 2509859133	.50460841E-02	-49 739	0000	65154944E-01
ED7	- 4374093571	.50163558E-02	-87 197	0000	66165714E-01

```
Normal exit from iterations  Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable                 WKST3  |
| Weighting variable                 WTPOP  |
| Number of observations            335354  |
| Iterations completed                   5  |
| Log likelihood function       -182513 5   |
| Restricted log likelihood     -210307 3   |
| Chi-squared                    55587 70   |
| Degrees of freedom                   13   |
| Significance level              0000000   |
| Results retained for SELECTION model      |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	1 214759464	17340960E-01	70 051	0000	
AGEX1	-1 076750097	23644730E-01	-45.539	0000	12448330E-01
AGEX2	- 5828048054	10274570E-01	-56 723	0000	87899610E-01
AGEX3	- 2893428040	79216769E-02	-36 525	0000	13882535
AGEX5	1030315039	72727997E-02	14 167	0000	17727253
MIG1	3286648754E-01	61519580E-02	5 342	0000	18542572
REG1	- 3901385989	79072274E-02	-49 339	0000	88808361
MRS1	2364354703	64070400E-02	36 902	0000	70318796
ED2	2177483716E-01	22264729E-01	978	3281	25701898E-01
ED3	- 1339418274	15146741E-01	-8 843	0000	47711527
ED4	- 6631058246	15923545E-01	-41 643	0000	23179620
ED5	- 7193455739	16467198E-01	-43 684	0000	10004324

```
 ED6       - 7935432777        17268612E-01  -45 953     0000    65154944E-01
 ED7       -1 279683053        17196676E-01  -74 415     0000    66165714E-01
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are WKST3=0   |
+-----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant    4714185074       67468959E-02   69 872     0000
 AGEX1     - 4178604395       92054361E-02  -45 393     0000   .23197580E-01
 AGEX2     - 2261723243       39870015E-02  -56 727     0000    10019083
 AGEX3     -.1122868822       30665213E-02  -36 617    .0000    12154526
 AGEX5       3998401265E-01   28208285E-02   14.175    .0000    14498487
 MIG1        1275468186E-01   23877089E-02    5 342    .0000   .19036537
 REG1      - 1514032707       30922472E-02  -48 962    .0000    91773796
 MRS1        9175483691E-01   24878561E-02   36 881    .0000    64660926
 ED2         8450282990E-02   86404115E-02       978   .3281   10686525E-01
 ED3       - 5197955499E-01   58784115E-02   -8 842    .0000    24242029
 ED4       - 2573351905       61922856E-02  -41 557    .0000    21569467
 ED5       - 2791604650       64192194E-02  -43 488    .0000    17036072
 ED6       - 3079547834       67389875E-02  -45 697    .0000    12901094
 ED7       - 4966137682       67773210E-02  -73 276     0000    21649523

+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics. |
| They are computed at the means of the Xs  |
| Observations used for means are WKST3=1   |
+-----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er.|P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant    3915017548      .55125967E-02   71 019     0000
 AGEX1     -.3470230650      .76150768E-02  -45 571    .0000    39617600E-02
 AGEX2     -.1878306865      .32959895E-02  -56 988     0000   .43684656E-01
 AGEX3     -.9325156040E-01   25397802E-02  -36 716     0000   .85798648E-01
 AGEX5      .3320576276E-01   23379529E-02   14 203     0000   .23785477
 MIG1        1059245713E-01   19827938E-02    5 342     0000   .16922375
 REG1      -.1257367822       25582051E-02  -49 150     0000   .89728819
 MRS1        7620018964E-01   20638027E-02   36 922     0000   .78084403
 ED2        .7017757188E-02   71756571E-02       978    3281   .31062304E-01
 ED3       - 4316777274E-01   48797100E-02   -8.846    .0000   .54688960
 ED4       - 2137106989       51165554E-02  -41 768     0000   .15484208
 ED5       - 2318360654       52991161E-02  -43 750    .0000   .10369457
 ED6       - 2557490556       55572360E-02  -46 021    .0000   .68376556E-01
 ED7       - 4124258142       55157519E-02  -74 772    .0000   .52722558E-01

+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics. |
| They are computed at the means of the Xs. |
| Observations used for means are All Obs.  |
+-----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St.Er |P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant    4214056510      .59478939E-02   70 850    .0000
 AGEX1     -.3735295661       82269460E-02  -45 403     0000    12448330E-01
 AGEX2     -.2021776703       35745098E-02  -56 561     0000   .87899610E-01
 AGEX3     - 1003743509       27489360E-02  -36 514    .0000   .13882535
```

AGEX5	3574210307E-01	25219656E-02	14 172	.0000	.17727253
MIG1	1140153585E-01	21342588E-02	5 342	.0000	18542572
REG1	- 1353408762	27438906E-02	-49 324	.0000	.88808361
MRS1	8202055323E-01	22217443E-02	36 917	.0000	70318796
ED2	7553791267E-02	77237299E-02	978	.3281	.25701898E-01
ED3	-.4646503661E-01	.52538127E-02	-8 844	0000	.47711527
ED4	- 2300344636	.55179227E-02	-41 689	0000	.23179620
ED5	- 2495442916	57050425E-02	-43 741	0000	10004324
ED6	- 2752838166	59830126E-02	-46 011	0000	.65154944E-01
ED7	- 4439279430	59606230E-02	-74 477	0000	66165714E-01

Marginal Effects for Probit

Variable	WKST3=0	WKST3=1	All Obs.
ONE	.4714	.3915	4214
AGEX1	- 4179	-.3470	- 3735
AGEX2	- 2262	-.1878	- 2022
AGEX3	-.1123	- 0933	-.1004
AGEX5	0400	0332	.0357
MIG1	.0128	0106	0114
REG1	-.1514	- 1257	-.1353
MRS1	0918	.0762	.0820
ED2	.0085	.0070	.0076
ED3	-.0520	-.0432	-.0465
ED4	-.2573	-.2137	-.2300
ED5	- 2792	-.2318	-.2495
ED6	- 3080	- 2557	-.2753
ED7	- 4966	- 4124	- 4439

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability.

	Predicted		
Actual	0	1	Total
0	4149865927		*****
1	28254*****		*****
Total	69752*****		*****

Table D .25 : Estimate of Industry (Round I, Female)

```
PROBIT,Lhs=IND1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,ed
      ,Wts=WTPOP;Hold(IMR=mills),Prob=prob,Margin=ind1(ind1=0, ind1=1)$

+---------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                  |
| Ordinary    least squares regression    Weighting variable = WTPOP  |
| Dep  var  = IND1     Mean=    3778922633     , S D =    4848612791  |
| Model size  Observations =  309593, Parameters =  14, Deg.Fr.= 309579|
| Residuals   Sum of squares= 64016 81232     , Std.Dev =        45474 |
| Fit         R-squared=    120432, Adjusted R-squared =        12040 |
| Model test  F[ 13, 309579] = 3260 63,     Prob value =        00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -215180 9068|
|             LogAmemiyaPrCrt =   -1 576, Akaike Info  Crt =    1 262 |
+---------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	4224909226	43474433E-02	97 181	0000	
AGEX1	- 1685538117	81709244E-02	-20 628	.0000	11196792E-01
AGEX2	- 7727881573E-01	36013405E-02	-21 458	.0000	86031153E-01
AGEX3	- 3281043287E-01	28120701E-02	-11 668	.0000	13629884
AGEX5	- 8022920276E-01	24594823E-02	-32 620	0000	15424253
MIG1	1784040659	23901056E-02	74 643	0000	14738419
REG1	- 1315038924	24758610E-02	-53 114	0000	86936560
MRS1	- 8526446432E-01	19071111E-02	-44 709	0000	65772070
ED2	4161156949E-01	57667880E-02	7 216	0000	29778661E-01
ED3	5182999463E-01	35459929E-02	14 616	0000	47898138
ED4	1411882346	41260729E-02	34 219	0000	21589944
ED5	2567723985	47250195E-02	54 343	0000	69921623E-01
ED6	2559015454	49325557E-02	51 880	0000	56808240E-01
ED7	4126898799	44529549E-02	92 678	0000	86884934E-01

Normal exit from iterations. Exit status=0.

Binomial Probit Model	
Maximum Likelihood Estimates	
Dependent variable	IND1
Weighting variable	WTPOP
Number of observations	309593
Iterations completed	5
Log likelihood function	-186426 4
Restricted log likelihood	-213205 6
Chi-squared	53558 38
Degrees of freedom	13
Significance level	0000000
Results retained for SELECTION model.	

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Index function for probability					
Constant	- 2223950639	13026406E-01	-17.073	0000	
AGEX1	- 4744116394	24087828E-01	-19.695	.0000	.11196792E-01
AGEX2	- 2149183900	10238040E-01	-20 992	0000	86031153E-01
AGEX3	- 9272423978E-01	80158707E-02	-11 568	.0000	13629884
AGEX5	- 2513082426	75167839E-02	-33 433	0000	15424253
MIG1	4820219074	67976755E-02	70 910	0000	14738419
REG1	- 3559111883	70326192E-02	-50 609	.0000	86936560
MRS1	- 2415405781	55011238E-02	-43 907	.0000	65772070
ED2	1378198243	17579706E-01	7 840	0000	29778661E-01
ED3	1684848711	11007777E-01	15 306	.0000	47898138
ED4	.4146778809	12462124E-01	33 275	.0000	21589944
ED5	7147326326	.13975693E-01	51 141	0000	69921623E-01

ED6	7057113846	14496598E-01	48 681	0000	56808240E-01
ED7	1 129875372	13469054E-01	83 887	0000	86884934E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are IND1=0

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z)	Mean of X|
	Index function for probability				
Constant	- 8112983484E-01	.47400014E-02	-17.116	0000	
AGEX1	- 1730656125	87902617E-02	-19 688	0000	88171243E-02
AGEX2	-.7840234034E-01	.37417736E-02	-20.953	0000	52041099E-01
AGEX3	- 3382585085E-01	.29275723E-02	-11.554	0000	87923372E-01
AGEX5	- 9167737748E-01	.27284469E-02	-33.601	0000	.21996778
MIG1	1758418423	.24740275E-02	71.075	.0000	.10371629
REG1	-.1298365864	.25522984E-02	-50.870	0000	.91135072
MRS1	- 8811412837E-01	20058037E-02	-43 930	.0000	.69469969
ED2	5027674352E-01	.64123295E-02	7 841	0000	.35598992E-01
ED3	.6146336852E-01	40140353E-02	15 312	0000	54307938
ED4	1512747064	45400818E-02	33 320	0000	15563936
ED5	2607348357	51005783E-02	51 119	0000	70141582E-01
ED6	2574438797	52906954E-02	48 660	0000	58202463E-01
ED7	.4121791227	49010008E-02	84 101	0000	60362482E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics They are computed at the means of the Xs Observations used for means are IND1=1

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z)	Mean of X|
	Index function for probability				
Constant	- 8842365186E-01	51776889E-02	-17 078	0000	
AGEX1	-.1886247334	.95792831E-02	-19.691	0000	72065644E-02
AGEX2	-.8545094737E-01	40726984E-02	-20 981	0000	72679272E-01
AGEX3	- 3686689693E-01	31880198E-02	-11 564	0000	13533357
AGEX5	- 9991945041E-01	.29891247E-02	-33 428	0000	10475919
MIG1	1916505546	27105846E-02	70 705	0000	22909026
REG1	- 1415092874	27928381E-02	-50 669	0000	86906885
MRS1	- 9603585445E-01	21893405E-02	-43 865	0000	58669996
ED2	5479677451E-01	69896856E-02	7 840	.0000	.19272208E-01
ED3	6698911086E-01	43767835E-02	15 306	.0000	33010346
ED4	1648747591	49565654E-02	33 264	0000	18123439
ED5	.2841756844	55645812E-02	51.069	0000	10489476
ED6	2805888616	57724234E-02	48 609	0000	96325366E-01
ED7	4492352699	53874471E-02	83 386	0000	23218694

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 8395788752E-01	49056979E-02	-17 114	0000	
AGEX1	- 1790983953	90928921E-02	-19 697	0000	11196792E-01
AGEX2	-.8113531704E-01	38649176E-02	-20 993	.0000	.86031153E-01
AGEX3	- 3500496440E-01	30260827E-02	-11 568	0000	.13629884
AGEX5	- 9487310015E-01	28357563E-02	-33 456	.0000	.15424253
MIG1	1819713998	25688633E-02	70 837	.0000	.14738419
REG1	-.1343624764	26553805E-02	-50 600	.0000	.86936560
MRS1	- 9118564204E-01	20764549E-02	-43.914	.0000	.65772070
ED2	5202930815E-01	66363069E-02	7 840	.0000	.29778661E-01
ED3	.6360588051E-01	41549245E-02	15 309	.0000	.47898138
ED4	1565478940	47024281E-02	33 291	.0000	21589944
ED5	.2698236235	52737262E-02	51 164	.0000	.69921623E-01
ED6	2664179502	54705859E-02	48 700	.0000	56808240E-01
ED7	4265470094	50912465E-02	83 780	.0000	86884934E-01

Marginal Effects for Probit			
Variable	IND1=0	IND1=1	All Obs.
ONE	- 0811	- 0884	- 0840
AGEX1	- 1731	- 1886	- 1791
AGEX2	- 0784	- 0855	- 0811
AGEX3	- 0338	- 0369	- 0350
AGEX5	-.0917	- 0999	-.0949
MIG1	1758	.1917	.1820
REG1	- 1298	-.1415	-.1344
MRS1	-.0881	-.0960	-.0912
ED2	.0503	0548	.0520
ED3	.0615	0670	0636
ED4	.1513	1649	.1565
ED5	.2607	2842	.2698
ED6	2574	.2806	.2664
ED7	4122	.4492	.4265

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****26192		*****
1	7962060530		*****
Total	*****86722		*****

Table D.26 : Estimate of Industry (Round I, male)

```
PROBIT;Lhs=IND1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,ed
      ;Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=ind1(ind1=0, ind1=1)$
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep. var. = IND1      Mean=    3670296947    , S.D.=    .4819953941  |
| Model size  Observations =  350921, Parameters =  14, Deg.Fr.= 350907 |
| Residuals:  Sum of squares= 75184.47125    , Std.Dev =          46288 |
| Fit.        R-squared=  .077781, Adjusted R-squared =         .07775 |
| Model test: F[ 13, 350907] = 2276.59,    Prob value =          00000 |
| Diagnostic: Log-L = ***********, Restricted(b=0) Log-L = -241825 4177 |
|             LogAmemiyaPrCrt =   -1.541, Akaike Info. Crt =     1 297 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
Constant	.3341078935	52482201E-02	63 661	.0000	
AGEX1	-.1697862859	89202210E-02	-19 034	.0000	84325794E-02
AGEX2	-.7846212701E-01	37507277E-02	-20 919	.0000	73967077E-01
AGEX3	- 3377303459E-01	.28311994E-02	-11 929	0000	12934079
AGEX5	- 6373962005E-01	.21790556E-02	-29.251	0000	18470531
MIG1	1196662169	20770190E-02	57.614	.0000	.18230342
REG1	- 8941658455E-01	24528320E-02	-36 454	.0000	.87996052
MRS1	- 2127412586E-01	22089716E-02	-9 631	0000	72384780
ED2	.3036086953E-01	.64052704E-02	4 740	0000	26931050E-01
ED3	.5954147912E-01	.44588776E-02	13 353	0000	47811640
ED4	.1324441199	.48493289E-02	27 312	0000	21650860
ED5	2316640199	.50334290E-02	46 025	0000	10430834
ED6	2524438822	53358756E-02	47.311	0000	68883197E-01
ED7	4037948077	52773876E-02	76.514	0000	.71944538E-01

```
Normal exit from iterations. Exit status=0.
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable                  IND1  |
| Weighting variable                 WTPOP  |
| Number of observations            350921  |
| Iterations completed                   5  |
| Log likelihood function       -217047 4   |
| Restricted log likelihood     -239836 5   |
| Chi-squared                    45578 18   |
| Degrees of freedom                    13  |
| Significance level             .0000000   |
| Results retained for SELECTION model      |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 4678029655	15562517E-01	-30 060	0000	
AGEX1	-.5039761171	27065485E-01	-18 621	0000	84325794E-02
AGEX2	- 2140404400	10485706E-01	-20 413	0000	73967077E-01
AGEX3	- 9211755731E-01	78473354E-02	-11 739	0000	12934079
AGEX5	- 1958522236	63912353E-02	-30 644	0000	18470531
MIG1	3208856467	57410635E-02	55 893	0000	18230342
REG1	- 2410636896	67566224E-02	-35 678	0000	87996052
MRS1	- 5879057812E-01	61658014E-02	-9 535	0000	72384780
ED2	9999917375E-01	19358113E-01	5 166	0000	26931050E-01
ED3	1936268625	13626158E-01	14 210	0000	47811640
ED4	3940999428	14569025E-01	27 051	0000	21650860
ED5	6516481992	14985923E-01	43 484	0000	10430834

```
 ED6         7010545185        15737486E-01   44 547     0000    68883197E-01
 ED7        1 096533341        15720795E-01   69 751     0000    71944538E-01
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are IND1=0    |
+-----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er.|P[|Z|>z) | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant - 1715431190        56839931E-02  -30 180     0000
 AGEX1    - 1848077960        99236337E-02  -18 623     0000    81457835E-02
 AGEX2    - 7848852483E-01    38486457E-02  -20 394    .0000    53883257E-01
 AGEX3    - 3377946328E-01    28802429E-02  -11.728     0000    83659398E-01
 AGEX5    -.7181891475E-01    23341994E-02  -30 768     0000    25361507
 MIG1       1176686099        20975448E-02   56 098     0000   .13408520
 REG1     - 8839793726E-01    24717091E-02  -35 764     0000   .90415195
 MRS1     -.2155847629E-01    22609250E-02   -9 535    .0000   .76965646
 ED2        3666964818E-01    70978553E-02    5 166    .0000   .31802580E-01
 ED3        7100287593E-01    49935984E-02   14 219     0000   .52446737
 ED4       .1445162566        53351372E-02   27 088    .0000    16653324
 ED5        2389590764        54889666E-02   43 534     0000   .10495952
 ED6        2570763496       .57666020E-02   44 580     0000    71655876E-01
 ED7       .4020982405        57489802E-02   69 943    .0000   .56049795E-01

+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are IND1=1    |
+-----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er |P[|Z|>z) | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant -.1835696172       .61040180E-02  -30 074     0000
 AGEX1    - 1977642505        10623334E-01  -18 616     0000    45742505E-02
 AGEX2    - 8399117689E-01    .41176537E-02  -20 398     0000    55288191E-01
 AGEX3    - 3614766467E-01    .30811525E-02  -11 732     0000    10997398
 AGEX5    - 7685397561E-01    .25075936E-02  -30 648     0000    14965941
 MIG1       1259180887        .22585576E-02   55 752     0000    23663637
 REG1     - 9459531570E-01    .26470402E-02  -35 736     0000    88230738
 MRS1     - 2306989206E-01    .24196113E-02   -9 535     0000    72228805
 ED2        3924047386E-01     75963106E-02    5 166     0000    15980088E-01
 ED3        7598072616E-01    .53473822E-02   14 209     0000    33736918
 ED4        1546479628        57200614E-02   27 036     0000    16940614
 ED5        2557119541        58948974E-02   43.379    .0000    15986046
 ED6        2750993881        61925940E-02   44 424    .0000    11722924
 ED7        4302884342        62176100E-02   69.205    .0000    18132170


+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs   |
+-----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er |P[|Z|>z) | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant - 1751415977        58070703E-02  -30 160     0000
 AGEX1    - 1886845292        10131545E-01  -18 623    .0000   .84325794E-02
 AGEX2    - 8013498714E-01    39255498E-02  -20 414    .0000   .73967077E-01
```

AGEX3	- 3448805875E-01	29379577E-02	-11 739	0000	12934079
AGEX5	- 7332546793E-01	.23915987E-02	-30 660	0000	.18470531
MIG1	1201369572	.21497619E-02	55 884	0000	18230342
REG1	- 9025227039E-01	.25293423E-02	-35 682	0000	87996052
MRS1	-.2201071079E-01	.23083981E-02	-9 535	0000	72384780
ED2	.3743887137E-01	.72473725E-02	5.166	0000	26931050E-01
ED3	.7249231097E-01	.51007813E-02	14 212	0000	.47811640
ED4	1475477898	.54526787E-02	27 060	0000	21650860
ED5	2439717469	.56079624E-02	43 505	0000	.10430834
ED6	2624690681	.58898535E-02	44 563	0000	68883197E-01
ED7	4105330990	58884143E-02	69 719	0000	71944538E-01

Marginal Effects for Probit			
Variable	IND1=0	IND1=1	All Obs.
ONE	- 1715	-.1836	- 1751
AGEX1	- 1848	- 1978	- 1887
AGEX2	- 0785	-.0840	-.0801
AGEX3	-.0338	- 0361	- 0345
AGEX5	-.0718	- 0769	- 0733
MIG1	.1177	1259	1201
REG1	-.0884	- 0946	- 0903
MRS1	-.0216	- 0231	- 0220
ED2	0367	0392	0374
ED3	0710	0760	0725
ED4	1445	1546	.1475
ED5	2390	2557	.2440
ED6	.2571	2751	2625
ED7	.4021	4303	4105

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****22827		*****
1	*****44658		*****
Total	*****67485		*****

Table D .27 : Estimate of Industry (Round III, Female)

```
PROBIT,Lhs=IND1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,ed
      ,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=ind1(ind1=0, ind1=1)$

+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = IND1     Mean=    2832230970     , S D =    4505645454   |
| Model size  Observations =  319566, Parameters =  14, Deg Fr = 319552 |
| Residuals·  Sum of squares= 53563 64009     , Std Dev =          40942 |
| Fit         R-squared=   174348, Adjusted R-squared =          17431 |
| Model test  F( 13, 319552) = 5190 62,     Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -198668 7650 |
|             LogAmemiyaPrCrt =   -1 786, Akaike Info  Crt =      1.052 |
+----------------------------------------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St Er.|P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
 Constant   4791396665      39636203E-02  120 884    0000
 AGEX1    - 2009290301      65097864E-02  -30 866    0000   14483721E-01
 AGEX2    - 1070889554      31564805E-02  -33.927    0000   96436367E-01
 AGEX3    - 5549148233E-01  25178072E-02  -22.040    0000   13918868
 AGEX5    - 6214035528E-01  21632423E-02  -28.726    0000   15719146
 MIG1       1491196329      21723670E-02   68 644    0000   13868948
 REG1     - 2427492745      24025186E-02 -101 039    0000   89053323
 MRS1     - 9897302336E-01  17417447E-02  -56 824    0000   67115909
 ED2        3510772121E-01  51543417E-02    6 811    0000   28854603E-01
 ED3        2345094337E-01  31189797E-02    7 519    0000   49893756
 ED4        9857866991E-01  36685483E-02   26 871    0000  .22644694
 ED5        2567299484      42983848E-02   59 727    0000   62899782E-01
 ED6        2819565414      45681853E-02   61 722    0000   47910390E-01
 ED7        4425353488      41054513E-02  107 792    0000  .72403065E-01

Normal exit from iterations  Exit status=0

              +-------------------------------------------+
              | Binomial Probit Model                     |
              | Maximum Likelihood Estimates              |
              | Dependent variable              IND1      |
              | Weighting variable              WTPOP     |
              | Number of observations          319566    |
              | Iterations completed                5     |
              | Log likelihood function       -163793 9   |
              | Restricted log likelihood     -212967 8   |
              | Chi-squared                    98347 76   |
              | Degrees of freedom                13      |
              | Significance level             0000000    |
              | Results retained for SELECTION model.     |
              +-------------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St.Er.|P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
 Constant - 7038171139E-01  13899593E-01   -5 064    0000
 AGEX1    - 6915156128      24299414E-01  -28 458    0000  .14483721E-01
 AGEX2    - 3366267602     .10481382E-01  -32 117    0000  .96436367E-01
 AGEX3    - 1796890511      83888772E-02  -21 420    0000  .13918868
 AGEX5    - 2436638653      80761353E-02  -30 171    0000   15719146
 MIG1       4491803566      70497598E-02   63 716    0000   13868948
 REG1     - 6885304370      76037061E-02  -90 552    0000   89053323
 MRS1     - 3226466723      58374461E-02  -55.272    0000   67115909
 ED2        1421493275      18819833E-01    7.553    0000  .28854603E-01
 ED3        9317239561E-01  11715696E-01    7.953   .0000   49893756
 ED4        3406195846      13251097E-01   25.705   .0000   22644694
 ED5        7797468248      14814045E-01   52.636    0000   62899782E-01
```

ED6	8278225635	15496945E-01	53.418	0000	47910390E-01
ED7	1.257059820	14405549E-01	87 262	0000	72403065E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are IND1=0

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 2142153233E-01	42262070E-02	-5.069	0000	
AGEX1	- 2104712114	73961991E-02	-28 457	0000	13436511E-01
AGEX2	- 1024564604	32084036E-02	-31 934	.0000	59138964E-01
AGEX3	- 5469055442E-01	25633159E-02	-21 336	.0000	92295247E-01
AGEX5	- 7416206943E-01	.24382138E-02	-30.417	.0000	21766537
MIG1	1367135203	21389967E-02	63 915	0000	.99443410E-01
REG1	- 2095626367	22814640E-02	-91 854	0000	93793054
MRS1	-.9820145014E-01	17746843E-02	-55 335	0000	71118878
ED2	.4326488167E-01	57268010E-02	7 555	.0000	33481893E-01
ED3	.2835815506E-01	.35651559E-02	7 954	0000	56389084
ED4	.1036717252	40281150E-02	25 737	0000	16904260
ED5	.2373254569	45173209E-02	52 537	0000	.60594035E-01
ED6	.2519578944	.47291079E-02	53 278	0000	47910498E-01
ED7	.3826014890	43933482E-02	87 087	.0000	49594513E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics They are computed at the means of the Xs Observations used for means are IND1=1

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 2713168406E-01	53562971E-02	-5 065	0000	
AGEX1	- 2665746933	93806648E-02	-28 417	0000	75521087E-02
AGEX2	- 1297673888	40550951E-02	-32 001	0000	76838032E-01
AGEX3	- 6926894028E-01	32414037E-02	-21 370	0000	13635255
AGEX5	- 9393080786E-01	31148111E-02	-30 156	0000	10415244
MIG1	1731560555	27418628E-02	63 153	0000	22745748
REG1	- 2654239278	29217337E-02	-90 845	0000	85696517
MRS1	- 1243781574	22633489E-02	-54 953	0000	57022892
ED2	5479762524E-01	72552524E-02	7 553	0000	18429096E-01
ED3	3591734203E-01	45166523E-02	7 952	0000	.32157025
ED4	1313065962	.51139223E-02	25 676	0000	17821839
ED5	3005872418	57450121E-02	52 321	0000	10754235
ED6	3191201210	.60159944E-02	53 045	0000	99453712E-01
ED7	4845882434	56891972E-02	85 177	0000	24012291

```
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs. |
| Observations used for means are All Obs   |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 2293486188E-01	45235605E-02	-5 070	0000	
AGEX1	- 2253400031	79122480E-02	-28.480	0000	14483721E-01
AGEX2	- 1096945229	34146883E-02	-32 124	0000	96436367E-01
AGEX3	- 5855418241E-01	27331874E-02	-21 423	0000	13918868
AGEX5	- 7940126751E-01	26274981E-02	-30 219	0000	15719146
MIG1	1463716814	22986900E-02	63 676	0000	13868948
REG1	- 2243672420	24880910E-02	-90.176	0000	89053323
MRS1	- 1051389163	18998889E-02	-55.340	0000	67115909
ED2	4632134014E-01	61320089E-02	7 554	0000	28854603E-01
ED3	3036152406E-01	38172859E-02	7 954	0000	49893756
ED4	1109956404	43151028E-02	25 723	0000	22644694
ED5	2540913736	48240108E-02	52 672	0000	62899782E-01
ED6	2697575233	50487574E-02	53.430	0000	47910390E-01
ED7	4096304676	47183374E-02	86.817	0000	72403065E-01

Marginal Effects for Probit			
Variable	IND1=0	IND1=1	All Obs
ONE	- 0214	- 0271	- 0229
AGEX1	- 2105	- 2666	- 2253
AGEX2	- 1025	- 1298	- 1097
AGEX3	- 0547	- 0693	- 0586
AGEX5	- 0742	- 0939	- 0794
MIG1	1367	.1732	1464
REG1	- 2096	-.2654	- 2244
MRS1	- 0982	-.1244	- 1051
ED2	0433	0548	0463
ED3	.0284	0359	0304
ED4	.1037	1313	1110
ED5	2373	3006	2541
ED6	2520	3191	2698
ED7	.3826	4846	4096

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****19990		*****
1	7668246330		*****
Total	*****66320		*****

Table D.28 : Estimate of Industry (Round III ,Male)

```
PROBIT,Lhs=IND1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,ed...
      ,Wts=WTPOP;Hold(IMR=mills);Prob=prob,Margin=ind1(ind1=0, ind1=1)$
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep  var  = IND1     Mean=    .2920274754    , S.D.=    .4546955526  |
| Model size. Observations =  335354, Parameters =  14, Deg Fr.= 335340 |
| Residuals:  Sum of squares= 61653.91916    , Std.Dev =          42878 |
| Fit.        R-squared=  .110764, Adjusted R-squared =          11073 |
| Model test  F[ 13, 335340] = 3213 09,    Prob value =          00000 |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -211544 6097 |
|             LogAmemiyaPrCrt.=   -1.694, Akaike Info. Crt.=      1.144 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
Constant	3553294515	49803875E-02	71.346	.0000	
AGEX1	- 1883768040	71263175E-02	-26 434	0000	12448330E-01
AGEX2	- 1087905812	.34093061E-02	-31.910	.0000	.87899610E-01
AGEX3	- 6054692041E-01	.26521966E-02	-22 829	0000	.13882535
AGEX5	-.3302311396E-01	21001346E-02	-15 724	.0000	.17727253
MIG1	7300815734E-01	19572427E-02	37 302	.0000	.18542572
REG1	- 1780111232	24204506E-02	-73 545	.0000	.88808361
MRS1	- 1964183501E-01	.20900440E-02	-9.398	.0000	.70318796
ED2	3009444492E-01	.61202006E-02	4.917	.0000	.25701898E-01
ED3	4365273874E-01	.41873235E-02	10.425	0000	47711527
ED4	1130385833	.45569792E-02	24.806	0000	23179620
ED5	.2530889842	.47615983E-02	53.152	0000	10004324
ED6	.2898721225	.50743278E-02	57.125	0000	65154944E-01
ED7	.4416038072	.50444332E-02	87.543	.0000	.66165714E-01

```
Normal exit from iterations  Exit status=0
```

```
+---------------------------------------------+
| Binomial Probit Model                       |
| Maximum Likelihood Estimates                |
| Dependent variable                  IND1    |
| Weighting variable                  WTPOP   |
| Number of observations              335354  |
| Iterations completed                     5  |
| Log likelihood function       -184812.9     |
| Restricted log likelihood     -222691 9     |
| Chi-squared                    75757 94     |
| Degrees of freedom                    13     |
| Significance level             0000000     |
| Results retained for SELECTION model        |
+---------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 4482065641	16796737E-01	-26 684	.0000	
AGEX1	- 7005161414	27156645E-01	-25 795	0000	12448330E-01
AGEX2	- 3321079173	10848173E-01	-30 614	0000	.87899610E-01
AGEX3	- 1786596672	82751829E-02	-21 590	0000	13882535
AGEX5	- 1174217836	69877720E-02	-16 804	0000	17727253
MIG1	2206066904	60777355E-02	36 298	0000	18542572
REG1	- 4990446080	71962730E-02	-69 348	0000	88808361
MRS1	- 6114833677E-01	65339250E-02	-9 359	0000	70318796
ED2	1170425659	21293411E-01	5 497	0000	25701898E-01
ED3	1723838130	14827510E-01	11 626	0000	47711527
ED4	3845444334	15805605E-01	24 330	0000	23179620
ED5	7759049039	16204394E-01	47 882	0000	10004324

```
 ED6         .8606487989       .16981511E-01   50.682    .0000   .65154944E-01
 ED7        1.248897393        .16993096E-01   73.494    .0000   .66165714E-01
+---------------------------------------------+
| Partial derivatives of E[y] = F[*]   with   |
| respect to the vector of characteristics    |
| They are computed at the means of the Xs    |
| Observations used for means are IND1=0      |
+---------------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant - .1458730495       .54412434E-02  -26.809    .0000
 AGEX1    - .2279895788       .88266809E-02  -25.830    .0000   .13225668E-01
 AGEX2    - .1080876510       .35400842E-02  -30.533    .0000   .64786538E-01
 AGEX3    - .5814647212E-01   .27015559E-02  -21.523    .0000   .90396241E-01
 AGEX5    - .3821602589E-01   .22665806E-02  -16.861    .0000   .24253471
 MIG1       .7179852605E-01   .19708355E-02   36.431    .0000   .14253423
 REG1     - .1624187699       .23186691E-02  -70.048    .0000   .92428185
 MRS1     - .1990130237E-01   .21264514E-02   -9.359    .0000   .75159790
 ED2        .3809260592E-01   .69290653E-02    5.498    .0000   .30260329E-01
 ED3        .5610393622E-01   .48225278E-02   11.634    .0000   .52913735
 ED4        .1251536092       .51352791E-02   24.371    .0000   .18199962
 ED5        .2525255620       .52651116E-02   47.962    .0000   .99134801E-01
 ED6        .2801062611       .55220429E-02   50.725    .0000   .65262662E-01
 ED7        .4064654244       .55167578E-02   73.678    .0000   .50820232E-01

+---------------------------------------------+
| Partial derivatives of E[y] = F[*]   with   |
| respect to the vector of characteristics    |
| They are computed at the means of the Xs    |
| Observations used for means are IND1=1      |
+---------------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant - .1689434289       .63272722E-02  -26.701    .0000
 AGEX1    - .2640470006       .10246324E-01  -25.770    .0000   .50618011E-02
 AGEX2    - .1251821254       .41014471E-02  -30.521    .0000   .56888366E-01
 AGEX3    - .6734255853E-01   .31278911E-02  -21.530    .0000   .10843241
 AGEX5    - .4426003618E-01   .26329277E-02  -16.810    .0000   .15192466
 MIG1       .8315373688E-01   .22970515E-02   36.200    .0000   .23059839
 REG1     - .1881059181       .26999564E-02  -69.670    .0000   .87048067
 MRS1     - .2304876927E-01   .24630514E-02   -9.358    .0000   .71540122
 ED2        .4411709688E-01   .80264156E-02    5.496    .0000   .15193251E-01
 ED3        .6497698779E-01   .55897224E-02   11.624    .0000   .31917599
 ED4        .1449471300       .59648737E-02   24.300    .0000   .16182853
 ED5        .2924634430       .61465164E-02   47.582    .0000   .16733765
 ED6        .3244061350       .64486718E-02   50.306    .0000   .12457524
 ED7        .4707494821       .65261821E-02   72.132    .0000   .19389445

+---------------------------------------------+
| Partial derivatives of E[y] = F[*]   with   |
| respect to the vector of characteristics    |
| They are computed at the means of the Xs    |
| Observations used for means are All Obs     |
+---------------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant - .1505722248       .56153911E-02  -26.814    .0000
 AGEX1    - .2353340677       .91133752E-02  -25.823    .0000   .12448330E-01
 AGEX2    - .1115696020       .36429898E-02  -30.626    .0000   .87899610E-01
 AGEX3    - .6001961088E-01   .27798276E-02  -21.591    .0000   .13882535
```

AGEX5	- 3944712240E-01	23466712E-02	-16 810	0000	17727253
MIG1	7411145402E-01	20412488E-02	36 307	0000	.18542572
REG1	- 1676509514	24190153E-02	-69 305	.0000	88808361
MRS1	-.2054240577E-01	.21949138E-02	-9 359	0000	.70318796
ED2	.3931972657E-01	.71530182E-02	5 497	.0000	.25701898E-01
ED3	.5791127644E-01	.49800148E-02	11.629	.0000	.47711527
ED4	.1291853255	.53065545E-02	24.344	0000	.23179620
ED5	2606604565	54375432E-02	47.937	0000	.10004324
ED6	2891296442	.57004231E-02	50 721	0000	65154944E-01
ED7	4195593597	57162420E-02	73 398	0000	66165714E-01

Marginal Effects for Probit			
Variable	IND1=0	IND1=1	All Obs
ONE	-.1459	-.1689	- 1506
AGEX1	- 2280	- 2640	-.2353
AGEX2	- 1081	- 1252	-.1116
AGEX3	- 0581	- 0673	-.0600
AGEX5	- 0382	- 0443	- 0394
MIG1	0718	0832	0741
REG1	- 1624	- 1881	- 1677
MRS1	- 0199	- 0230	- 0205
ED2	0381	0441	.0393
ED3	0561	0650	0579
ED4	.1252	1449	1292
ED5	.2525	.2925	2607
ED6	2801	.3244	2891
ED7	4065	4707	.4196

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability.

	Predicted		
Actual	0	1	Total
0	*****17466		*****
1	9379833627		*****
Total	*****51093		*****

Table D .29 : Estimate of Unemployment (Round I , Female)

```
PROBIT,Lhs=UNEM1;Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
      ,Wts=WTPOP;Hold(IMR=mills),Prob=prob,Margin=UNEM1(UNEM1=0, UNEM1=1)$
```

```
+------------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                     |
| Ordinary    least squares regression    Weighting variable = WTPOP     |
| Dep  var. = UNEM1    Mean=    3985664549E-01, S D.=    1956226167      |
| Model size  Observations =  333209, Parameters =  14, Deg Fr.= 333195   |
| Residuals:  Sum of squares= 12592 28417    , Std Dev =          19440  |
| Fit         R-squared=   012468, Adjusted R-squared =          01243  |
| Model test  F[ 13, 333195] =  323 61,    Prob value =          00000  |
| Diagnostic  Log-L =  72940 8765, Restricted(b=0) Log-L =   70850 5134  |
|             LogAmemiyaPrCrt =   -3 276, Akaike Info  Crt =      - 438  |
+------------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	1330605279E-01	18171009E-02	7.323	0000	
AGEX1	2398981391E-01	32963808E-02	7.278	0000	11760853E-01
AGEX2	3606775340E-01	14635336E-02	24.644	0000	91464995E-01
AGEX3	1991843949E-01	11563228E-02	17.226	0000	14010471
AGEX5	- 1245525193E-01	10109555E-02	-12 320	0000	15463893
MIG1	3025662292E-01	98842742E-03	30 611	0000	14614051
REG1	2741175754E-01	10646524E-02	25 747	0000	88115046
MRS1	9671891323E-03	.79621598E-03	1 215	2245	66525289
ED2	- 3503104237E-02	.23854439E-02	-1 469	1420	29417896E-01
ED3	- 8417247572E-02	.14579677E-02	-5 773	0000	48263227
ED4	- 2641849733E-02	.16949761E-02	-1 559	1191	22550118
ED5	- 1348361240E-01	.19662963E-02	-6 857	0000	67066452E-01
ED6	- 1127504392E-01	.20658848E-02	-5 458	0000	53272401E-01
ED7	- 1056420000E-01	18650141E-02	-5.664	0000	80264987E-01

```
Normal exit from iterations  Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable                 UNEM1  |
| Weighting variable                 WTPOP  |
| Number of observations            333209  |
| Iterations completed                   7  |
| Log likelihood function       -53825 49   |
| Results retained for SELECTION model      |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-2 185166635	24727766E-01	-88 369	.0000	
AGEX1	2533524458	33837982E-01	7.487	.0000	.11760853E-01
AGEX2	3378765980	15515568E-01	21 777	.0000	.91464995E-01
AGEX3	.2161601330	12777118E-01	16 918	.0000	.14010471
AGEX5	- 2108416774	14361769E-01	-14 681	0000	.15463893
MIG1	2870933453	10162942E-01	28 249	0000	14614051
REG1	4530538347	16990926E-01	26 664	0000	88115046
MRS1	.1010308365E-01	96831122E-02	1 043	2968	66525289
ED2	- 5003109393E-01	29488284E-01	-1 697	0898	29417896E-01
ED3	-.1141507295	17789169E-01	-6 417	0000	48263227
ED4	-.6324896781E-01	19904837E-01	-3 178	.0015	22550118
ED5	- 1687284506	23581580E-01	-7 155	.0000	.67066452E-01
ED6	-.1460076322	25092565E-01	-5 819	0000	53272401E-01
ED7	- 1571095343	23385025E-01	-6.718	0000	80264987E-01

```
+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are UNEM1=0   |
+----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1643823738	.20558567E-02	-79.958	0000	
AGEX1	1905881034E-01	25387103E-02	7 507	0000	82719820E-02
AGEX2	2541726400E-01	11464984E-02	22 169	0000	61762895E-01
AGEX3	1626096391E-01	94404593E-03	17 225	.0000	10925948
AGEX5	- 1586087527E-01	10671708E-02	-14 863	.0000	.17104404
MIG1	2159701913E-01	77062313E-03	28 025	.0000	.15571318
REG1	3408164103E-01	.12743762E-02	26.744	.0000	.89665748
MRS1	.7600193260E-03	.72816025E-03	1.044	2966	.65385794
ED2	-.3763662622E-02	.22181506E-02	-1.697	0897	.28229338E-01
ED3	-.8587156510E-02	.13372546E-02	-6 421	.0000	45512303
ED4	-.4757996624E-02	14957333E-02	-3 181	0015	16919035
ED5	-.1269284585E-01	17643274E-02	-7 194	.0000	83335654E-01
ED6	- 1098363887E-01	.18785208E-02	-5 847	.0000	72637472E-01
ED7	- 1181879578E-01	17434910E-02	-6 779	.0000	13243527

```
+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are UNEM1=1   |
+----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1997760146	24811705E-02	-80 517	0000	
AGEX1	2316241751E-01	30971735E-02	7 479	0000	14697120E-01
AGEX2	3088992808E-01	.14304939E-02	21.594	0000	13128103
AGEX3	1976215873E-01	.11750587E-02	16 818	0000	19394240
AGEX5	- 1927592585E-01	13233591E-02	-14 566	0000	90566038E-01
MIG1	.2624713531E-01	.95810283E-03	27 395	0000	24657398
REG1	.4141985699E-01	15863922E-02	26 109	0000	93674280
MRS1	9236612688E-03	88515366E-03	1.044	2967	62373386
ED2	- 4574027625E-02	26962326E-02	-1 696	0898	.25223436E-01
ED3	- 1043608183E-01	16281840E-02	-6.410	.0000	.40377358
ED4	- 5782454535E-02	18212540E-02	-3 175	0015	.25968222
ED5	- 1542577892E-01	21553972E-02	-7 157	0000	81529295E-01
ED6	-.1334855768E-01	22888801E-02	-5.832	0000	.76464747E-01
ED7	- 1436353463E-01	.21329411E-02	-6.734	0000	96127110E-01

```
+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs   |
+----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1699708945	19889101E-02	-85 459	0000	
AGEX1	1970675424E-01	26309083E-02	7 490	0000	11760853E-01
AGEX2	2628137675E-01	12049310E-02	21.812	0000	91464995E-01
AGEX3	1681378920E-01	99131763E-03	16 961	0000	14010471
AGEX5	- 1640009871E-01	11092444E-02	-14 785	0000	15463893
MIG1	2233125471E-01	78808757E-03	28 336	0000	14614051

REG1	3524031729E-01	12871529E-02	27.379	0000	88115046
MRS1	7858577636E-03	75319049E-03	1 043	2968	66525289
ED2	- 3891616160E-02	22935761E-02	-1 697	0897	29417896E-01
ED3	- 8879094755E-02	13826301E-02	-6 422	0000	48263227
ED4	- 4919754615E-02	15476907E-02	-3 179	0015	22550118
ED5	- 1312436554E-01	18327710E-02	-7 161	0000	67066452E-01
ED6	- 1135705051E-01	19506615E-02	-5 822	0000	53272401E-01
ED7	- 1222060032E-01	18170027E-02	-6 726	0000	80264987E-01

Marginal Effects for Probit

Variable	UNEM1=0	UNEM1=1	All Obs
ONE	- 1644	- 1998	- 1700
AGEX1	0191	0232	0197
AGEX2	0254	0309	0263
AGEX3	0163	0198	0168
AGEX5	-.0159	- 0193	- 0164
MIG1	0216	0262	0223
REG1	0341	0414	0352
MRS1	0008	0009	0008
ED2	-.0038	- 0046	- 0039
ED3	- 0086	- 0104	- 0089
ED4	- 0048	- 0058	- 0049
ED5	- 0127	- 0154	- 0131
ED6	- 0110	- 0133	- 0114
ED7	- 0118	- 0144	- 0122

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****	0	*****
1	10070	0	10070
Total	*****	0	*****

Table D .30 : Estimate of Unemployment (Round I , Male)

```
PROBIT,Lhs=UNEM1;Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
      ,Wts=WTPOP;Hold(IMR=mills);Prob=prob,Margin=UNEM1(UNEM1=0, UNEM1=1)$
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep. var. = UNEM1     Mean=    .3110021842E-01, S D =    1735888180   |
| Model size  Observations =  363551, Parameters =  14, Deg.Fr = 363537 |
| Residuals   Sum of squares= 10624 44048     , Std.Dev =         17095 |
| Fit         R-squared=    030164, Adjusted R-squared =         03013 |
| Model test  F[ 13, 363537] =  869 74,     Prob value =         00000 |
| Diagnostic  Log-L = 126313 1477, Restricted(b=0) Log-L =  120745 7271 |
|             LogAmemiyaPrCrt =   -3 533, Akaike Info. Crt.=     - 695 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
Constant	.3035470997E-01	.19196933E-02	15.812	0000	
AGEX1	-.3109093688E-02	30921777E-02	-1 005	3147	92988730E-02
AGEX2	3263562537E-01	13105097E-02	24.903	0000	83022861E-01
AGEX3	2762147829E-01	10052488E-02	27 477	0000	.13954532
AGEX5	- 5233427424E-02	80577601E-03	-6 495	0000	.17686158
MIG1	2986549315E-01	74480389E-03	40 098	0000	18788044
REG1	1454994066E-01	.90394306E-03	16 096	0000	88414669
MRS1	- 3132724540E-01	79254365E-03	-39 527	0000	.70372754
ED2	- 6132043043E-02	23523551E-02	-2 607	0091	.26187999E-01
ED3	- 4288980950E-02	.16340333E-02	-2.625	0087	.46516301
ED4	3277335897E-02	.17663429E-02	1.855	.0635	23194727
ED5	-.1369320879E-03	.18383166E-02	- 074	9406	10513092
ED6	.2573425468E-02	.19489479E-02	1 320	.1867	68761634E-01
ED7	-.8636709395E-03	19348052E-02	- 446	6553	70145852E-01

```
Normal exit from iterations  Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable              UNEM1     |
| Weighting variable              WTPOP     |
| Number of observations          363551    |
| Iterations completed                8     |
| Log likelihood function      -45457 80    |
| Results retained for SELECTION model      |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-1 987035127	32788502E-01	-60 602	0000	
AGEX1	.1885597027E-02	39264860E-01	048	9617	92988730E-02
AGEX2	2765910115	15650320E-01	17 673	0000	83022861E-01
AGEX3	.2722849236	12751630E-01	21 353	0000	13954532
AGEX5	- 2543759548	18451430E-01	-13 786	0000	17686158
MIG1	3663223013	96190283E-02	38 083	0000	18788044
REG1	2705904620	16342745E-01	16 557	0000	88414669
MRS1	- 4300927761	10997575E-01	-39 108	0000	70372754
ED2	- 1194501812	42316855E-01	-2 823	0048	26187999E-01
ED3	- 1188871195	28743367E-01	-4 136	0000	46516301
ED4	1442113399E-01	29351972E-01	491	6232	23194727
ED5	- 1684071322E-01	30600057E-01	- 550	5821	10513092
ED6	8909170196E-02	31814231E-01	280	7794	68761634E-01
ED7	- 4644645988E-01	32809458E-01	-1 416	1569	70145852E-01

| Partial derivatives of E[y] = F[*] with respect to the vector of characteristics |
| They are computed at the means of the Xs |
| Observations used for means are UNEM1=0 |

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 9311601159E-01	18066054E-02	-51 542	0000	
AGEX1	8836244121E-04	18400029E-02	048	9617	.70443759E-02
AGEX2	1296154833E-01	73532186E-03	17 627	0000	56777501E-01
AGEX3	1275975736E-01	59484991E-03	21 450	0000	97032687E-01
AGEX5	- 1192051113E-01	.83553840E-03	-14 267	0000	20685566
MIG1	1716651668E-01	45807011E-03	37 476	0000	17771769
REG1	1268035187E-01	77187867E-03	16 428	0000	89595674
MRS1	- 2015491492E-01	51636394E-03	-39 032	0000	74448435
ED2	- 5597648627E-02	.19829080E-02	-2 823	0048	24853888E-01
ED3	- 5571262551E-02	13464525E-02	-4 138	0000	44185503
ED4	6758000709E-03	13756979E-02	491	6233	17212951
ED5	- 7891858709E-03	14334825E-02	- 551	5820	12837044
ED6	4174996122E-03	14911753E-02	280	7795	90689650E-01
ED7	- 2176563986E-02	15352928E-02	-1 418	1563	10874139

| Partial derivatives of E[y] = F[*] with respect to the vector of characteristics |
| They are computed at the means of the Xs |
| Observations used for means are UNEM1=1 |

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1848811120	.31837988E-02	-58 069	0000	
AGEX1	1754429353E-03	36533420E-02	048	9617	14795679E-01
AGEX2	2573505273E-01	.14653711E-02	17 562	0000	19163927
AGEX3	2533439835E-01	11921003E-02	21 252	0000	26373884
AGEX5	- 2366808153E-01	17284961E-02	-13 693	0000	55659934E-01
MIG1	3408398447E-01	.93837854E-03	36 322	0000	32198215
REG1	2517673936E-01	.15356119E-02	16 395	0000	91369187
MRS1	- 4001742578E-01	.11123842E-02	-35.974	0000	37916862
ED2	- 1111408753E-01	39380123E-02	-2 822	0048	16791921E-01
ED3	- 1106169818E-01	26758638E-02	-4 134	0000	24565524
ED4	1341795750E-02	27309828E-02	491	6232	34581963
ED5	- 1566922368E-02	28467624E-02	- 550	5820	.15100986
ED6	8289422116E-03	29605646E-02	280	7795	12388445
ED7	- 4321550754E-02	30506633E-02	-1 417	1566	94880225E-01

| Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. |
| They are computed at the means of the Xs. |
| Observations used for means are All Obs |

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1019868453	18785101E-02	-54 291	0000	
AGEX1	9678041905E-04	20153104E-02	048	9617	92988730E-02
AGEX2	1419634928E-01	.81033896E-03	17 519	0000	83022861E-01
AGEX3	1397533440E-01	66050692E-03	21 158	0000	13954532
AGEX5	-.1305613615E-01	92713940E-03	-14 082	0000	17686158
MIG1	.1880191012E-01	49692712E-03	37.836	0000	18788044
REG1	.1388836423E-01	83349064E-03	16.663	0000	88414669

MRS1	- 2207500251E-01	56192785E-03	-39 284	0000	70372754
ED2	- 6130916852E-02	21713861E-02	-2 824	.0048	26187999E-01
ED3	- 6102017067E-02	14738433E-02	-4 140	.0000	.46516301
ED4	7401811580E-03	15066299E-02	.491	6232	23194727
ED5	- 8643688229E-03	.15704935E-02	-.550	5821	10513092
ED6	.4572733265E-03	.16329584E-02	280	7795	68761634E-01
ED7	-.2383917553E-02	16836550E-02	-1 416	1568	70145852E-01

Marginal Effects for Probit			
Variable	UNEM1=0	UNEM1=1	All Obs
ONE	- 0931	- 1849	-.1020
AGEX1	0001	0002	0001
AGEX2	0130	0257	0142
AGEX3	0128	0253	0140
AGEX5	-.0119	- 0237	-.0131
MIG1	.0172	.0341	.0188
REG1	.0127	.0252	.0139
MRS1	-.0202	- 0400	- 0221
ED2	- 0056	- 0111	- 0061
ED3	- 0056	- 0111	- 0061
ED4	0007	0013	0007
ED5	- 0008	- 0016	- 0009
ED6	0004	0008	0005
ED7	- 0022	- 0043	- 0024

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability.

	Predicted		
Actual	0	1	Total
0	*****	0	*****
1	8516	0	8516
Total	*****	0	*****

Table D .31 : Estimate of Unemployment (Round III , Female)

```
PROBIT,Lhs=UNEM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
      ,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=UNEM1(UNEM1=0, UNEM1=1)$
```

```
+---------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                  |
| Ordinary    least squares regression    Weighting variable = WTPOP  |
| Dep var   = UNEM1    Mean=    1922505221E-01, S.D =    1373153573    |
| Model size  Observations =  326341, Parameters =  14, Deg.Fr.= 326327 |
| Residuals   Sum of squares= 6120.352692    , Std Dev =          .13695 |
| Fit         R-squared=   005355, Adjusted R-squared =          .00532 |
| Model test  F[ 13, 326327] =  135 16,    Prob value =           00000 |
| Diagnostic  Log-L = 185760 8067, Restricted(b=0) Log-L =  184884 6108 |
|             LogAmemiyaPrCrt =   -3 976, Akaike Info  Crt =     -1 138 |
+---------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	8673170059E-02	13152786E-02	6 594	0000	
AGEX1	*1800974640E-01*	21427214E-02	8 405	0000	14679790E-01
AGEX2	2079440835E-01	10396794E-02	20 001	0000	97892919E-01
AGEX3	1682941013E-01	82956635E-03	20 287	0000	14083925
AGEX5	- 3103729880E-02	71765434E-03	-4 325	0000	15629381
MIG1	1076611763E-01	71572381E-03	15 042	0000	14027832
REG1	5599773741E-02	79807453E-03	7 017	0000	89140319
MRS1	- 1199528040E-02	57726018E-03	-2.078	0377	67006104
ED2	2837249230E-02	17084612E-02	1 661	0968	28790065E-01
ED3	8047350165E-03	10341359E-02	778	4365	.49736784
ED4	- 5826641066E-02	12148856E-02	-4 796	0000	22743577
ED5	- 1930051871E-02	14246652E-02	-1 355	1755	62889663E-01
ED6	1188293752E-01	15102692E-02	7 868	0000	.48357264E-01
ED7	1453193664E-01	.13591667E-02	10 692	0000	72845380E-01

Normal exit from iterations Exit status=0

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable                 UNEM1  |
| Weighting variable                 WTPOP  |
| Number of observations            326341  |
| Iterations completed                   7  |
| Log likelihood function       -30248 89   |
| Results retained for SELECTION model      |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-2 320903764	31037470E-01	-74 777	0000	
AGEX1	3453118600	41178968E-01	8.386	0000	.14679790E-01
AGEX2	3721729357	20416833E-01	18.229	.0000	97892919E-01
AGEX3	2947322255	16220331E-01	18.171	0000	.14083925
AGEX5	- 9558977656E-01	18069313E-01	-5.290	.0000	15629381
MIG1	1865392237	.13386436E-01	13 935	0000	14027832
REG1	1208181875	18092441E-01	6 678	0000	.89140319
MRS1	- 1829505082E-01	12475229E-01	-1 467	.1425	.67006104
ED2	7433061402E-01	39798045E-01	1 868	.0618	.28790065E-01
ED3	2519654142E-01	25116465E-01	1 003	3158	49736784
ED4	-.*8286265082E-01*	.28138219E-01	-2 945	0032	.22743577
ED5	-.2457145046E-01	32260085E-01	- 762	4463	62889663E-01
ED6	2049877910	31967537E-01	6.412	0000	48357264E-01
ED7	2671709807	29781082E-01	8 971	0000	72845380E-01

```
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are UNEM1=0   |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1004999958	.16441378E-02	-61 126	.0000	
AGEX1	1495272705E-01	17730387E-02	8.433	.0000	.11228950E-01
AGEX2	.1611586790E-01	85776679E-03	18.788	.0000	.65998915E-01
AGEX3	.1276252289E-01	.67979180E-03	18.774	.0000	.10917519
AGEX5	-.4139237608E-02	.77833493E-03	-5.318	.0000	.17428876
MIG1	8077539229E-02	.58242799E-03	13.869	.0000	14844846
REG1	5231680661E-02	.78880093E-03	6.632	0000	90710398
MRS1	- 7922140328E-03	54069259E-03	-1 465	.1429	65746404
ED2	3218671327E-02	17231148E-02	1 868	0618	.27692049E-01
ED3	1091063036E-02	10875568E-02	1 003	.3158	47126362
ED4	- 3588126397E-02	12173504E-02	-2 947	.0032	.17269264
ED5	- 1063995288E-02	.13958845E-02	-.762	.4459	.78468598E-01
ED6	8876400847E-02	.13927309E-02	6.373	0000	.67548273E-01
ED7	1156906325E-01	.13030221E-02	8 879	0000	12248346

```
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are UNEM1=1   |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.1249233908	.20020089E-02	-62 399	0000	
AGEX1	.1858652181E-01	.22221425E-02	8 364	0000	14200971E-01
AGEX2	.2003232784E-01	11185959E-02	17 908	0000	14254898
AGEX3	1586405673E-01	89331290E-03	17 759	0000	23296782
AGEX5	- 5145150435E-02	.97675289E-03	-5 268	0000	81071364E-01
MIG1	1004053365E-01	73724231E-03	13 619	0000	25040446
REG1	6503077759E-02	97744112E-03	6 653	0000	88423512
MRS1	- 9847369882E-03	67225504E-03	-1 465	.1430	.55725328
ED2	4000869181E-02	21433882E-02	1.867	0620	.25346036E-01
ED3	1356211937E-02	.13520202E-02	1.003	3158	.35340644
ED4	- 4460108803E-02	.15165006E-02	-2.941	.0033	21445263
ED5	- 1322566215E-02	.17356430E-02	- 762	4461	92396189E-01
ED6	.1103353371E-01	.17367402E-02	6 353	0000	11073162
ED7	1438056388E-01	16288134E-02	8 829	0000	16358080

```
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs   |
+-----------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 1004688671	15538810E-02	-64 657	0000	
AGEX1	1494809561E-01	17797385E-02	8 399	0000	14679790E-01
AGEX2	1611087620E-01	87870907E-03	18 335	0000	97892919E-01
AGEX3	1275856985E-01	69845385E-03	18 267	0000	14083925
AGEX5	- 4137955526E-02	78045124E-03	-5 302	0000	15629381
MIG1	8075037304E-02	57790863E-03	13 973	0000	14027832

REG1	5230060208E-02	78191286E-03	6 689	0000	89140319
MRS1	- 7919686536E-03	54003767E-03	-1 467	1425	67006104
ED2	3217674380E-02	17224432E-02	1 868	0617	28790065E-01
ED3	1090725092E-02	10871712E-02	1 003	3157	49736784
ED4	- 3587015016E-02	12182444E-02	-2 944	0032	22743577
ED5	- 1063665727E-02	13965387E-02	- 762	4463	62889663E-01
ED6	8873651484E-02	13827755E-02	6 417	0000	48357264E-01
ED7	1156547987E-01	12867477E-02	8 988	0000	72845380E-01

Marginal Effects for Probit

Variable	UNEM1=0	UNEM1=1	All Obs
ONE	- 1005	- 1249	- 1005
AGEX1	0150	0186	0149
AGEX2	.0161	0200	0161
AGEX3	0128	0159	0128
AGEX5	- 0041	- 0051	- 0041
MIG1	0081	0100	0081
REG1	0052	0065	0052
MRS1	- 0008	- 0010	- 0008
ED2	0032	0040	0032
ED3	0011	0014	0011
ED4	- 0036	- 0045	- 0036
ED5	- 0011	- 0013	- 0011
ED6	0089	0110	0089
ED7	0116	0144	0116

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****	0	*****
1	5563	0	5563
Total	*****	0	*****

Table D .32 : Estimate of Unemployment (Round III , Male)

```
PROBIT,Lhs=UNEM1;Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e..
      ,Wts=WTPOP;Hold(IMR=mills);Prob=prob,Margin=UNEM1(UNEM1=0, UNEM1=1)$
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep. var. = UNEM1     Mean=    .1501487574E-01, S D =    1216119759  |
| Model size: Observations =  340585, Parameters =  14, Deg.Fr.= 340571 |
| Residuals:  Sum of squares= 4969.997339     , Std.Dev =          12080 |
| Fit.        R-squared=   013313, Adjusted R-squared =          01328 |
| Model test: F[ 13, 340571] =  353 49,     Prob value =          00000 |
| Diagnostic: Log-L = 236599.0051, Restricted(b=0) Log-L =  234316.6038 |
|             LogAmemiyaPrCrt.=   -4.227, Akaike Info  Crt.=     -1.389 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
Constant	.1445991196E-01	.13965782E-02	10 354	.0000	
AGEX1	.4326852655E-02	.19797979E-02	2.186	0289	12614962E-01
AGEX2	.1719106199E-01	94494712E-03	18.193	0000	90064719E-01
AGEX3	1690469081E-01	73573467E-03	22 977	0000	14198906
AGEX5	- 2646609575E-02	59042403E-03	-4 483	.0000	17502037
MIG1	1003797467E-01	54473799E-03	18.427	0000	18757778
REG1	2274849853E-02	.67706390E-03	3 360	0008	88830017
MRS1	-.1482203604E-01	58228233E-03	-25 455	0000	.69736063
ED2	.4784512797E-02	.17168504E-02	2 787	.0053	.25588783E-01
ED3	.2444998659E-02	.11764287E-02	2.078	0377	.47308797
ED4	- 1750644939E-02	12782593E-02	-1.370	.1708	23405660
ED5	5450614051E-02	.13353795E-02	4 082	.0000	.10068999
ED6	1517979043E-01	14201320E-02	10 689	.0000	.66155904E-01
ED7	1536179253E-01	.14130503E-02	10 871	.0000	.66738398E-01

```
Normal exit from iterations. Exit status=0
```

```
+-----------------------------------------------+
| Binomial Probit Model                         |
| Maximum Likelihood Estimates                  |
| Dependent variable                    UNEM1   |
| Weighting variable                    WTPOP   |
| Number of observations               340585   |
| Iterations completed                      8   |
| Log likelihood function          -24551.53    |
| Restricted log likelihood        -25385 12    |
| Chi-squared                       1667 166    |
| Degrees of freedom                       13   |
| Significance level                .0000000    |
| Results retained for SELECTION model          |
+-----------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-2 322334836	48507132E-01	-47 876	0000	
AGEX1	1154220634	47243806E-01	2 443	0146	12614962E-01
AGEX2	2998059283	20992118E-01	14.282	0000	90064719E-01
AGEX3	2969604032	16940940E-01	17.529	0000	14198906
AGEX5	-.2187240003	.24644573E-01	-8.875	.0000	.17502037
MIG1	2373681127	.12943619E-01	18 339	0000	18757778
REG1	.6026766144E-01	18933719E-01	3 183	0015	88830017
MRS1	- 3559865895	14677998E-01	-24 253	0000	69736063
ED2	2076053858	58623219E-01	3 541	0004	25588783E-01
ED3	8917658950E-01	45055052E-01	1 979	0478	47308797
ED4	7672977265E-01	45914431E-01	1 671	0947	23405660
ED5	2033454961	47043288E-01	4 323	0000	10068999

```
 ED6         3710574941        47556134E-01     7 803     0000    66155904E-01
 ED7         4045467152        47960604E-01     8 435     0000    66738398E-01
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are UNEM1=0   |
+-----------------------------------------+
+---------+-------------+----------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St.Er |P[|Z|>z] | Mean of X|
+---------+-------------+----------------+--------+---------+----------+
         Index function for probability
 Constant -.6190138824E-01   15947785E-02  -38 815     0000
 AGEX1      3076552891E-02   12585024E-02    2 445     0145    10201134E-01
 AGEX2      7991269334E-02   55876745E-03   14.302     0000    61954388E-01
 AGEX3     .7915422411E-02   44823633E-03   17 659     0000    97490074E-01
 AGEX5    -.5830046143E-02   63483656E-03   -9 184    .0000   .20790953
 MIG1       6327001373E-02   34619060E-03   18 276     0000    17598072
 REG1       1606422920E-02   50684428E-03    3 169     0015    90394255
 MRS1     - 9488754050E-02   39183656E-03  -24 216     0000    73738559
 ED2        5533681614E-02   15605939E-02    3 546     0004    24518462E-01
 ED3        2376984835E-02   12003740E-02    1 980     0477   .44914474
 ED4        2045217327E-02   12234458E-02    1 672    .0946   .17473574
 ED5        5420135075E-02   12565172E-02    4 314     0000    12505547
 ED6        9890466114E-02   12746209E-02    7 760     0000   .87762512E-01
 ED7        1078311486E-01   12877533E-02    8 374     0000    10507019
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are UNEM1=1   |
+-----------------------------------------+
+---------+-------------+----------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+-------------+----------------+--------+---------+----------+
         Index function for probability
 Constant - 1224307199       28010447E-02  -43.709     0000
 AGEX1      6084913374E-02   24922588E-02    2 442     0146    17775940E-01
 AGEX2      1580541059E-01   11204412E-02   14.106     0000    18830095
 AGEX3      1565539791E-01   90757648E-03   17 250     0000   .27780074
 AGEX5    - 1153086815E-01   13021072E-02   -8 856    .0000   .64282761E-01
 MIG1       1251376350E-01   70468762E-03   17 758     0000    30715172
 REG1      .3177239156E-02   99913393E-03    3 180     0015    87453493
 MRS1     - 1876718798E-01  .83429761E-03  -22.495     0000    37660190
 ED2        1094470807E-01   30929081E-02    3 539     0004    18602728E-01
 ED3        4701283328E-02   23757281E-02    1 979     0478    23377429
 ED4        4045102004E-02   24203434E-02    1 671    .0947    27304671
 ED5        1072013178E-01   24889524E-02    4 307     0000    16907813
 ED6        1956170807E-01   25319953E-02    7 726     0000    15626292
 ED7        2132721982E-01   25557576E-02    8.345     0000   .13331955

+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs   |
+-----------------------------------------+
+---------+-------------+----------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+-------------+----------------+--------+---------+----------+
         Index function for probability
 Constant - 6537706819E-01   15963072E-02  -40 955    .0000
 AGEX1      3249297211E-02   13300127E-02    2 443     0146   .12614962E-01
 AGEX2      8439968393E-02   59625950E-03   14 155     0000    90064719E-01
 AGEX3      8359862766E-02   48287226E-03   17 313     0000    14198906
 AGEX5    - 6157395418E-02  .68003647E-03   -9 055     0000    17502037
```

MIG1	.6682254017E-02	.36434421E-03	18 340	0000	18757778
REG1	.1696621413E-02	.53292205E-03	3 184	0015	88830017
MRS1	- 1002153487E-01	41110615E-03	-24 377	.0000	69736063
ED2	5844390417E-02	16479469E-02	3 546	.0004	.25588783E-01
ED3	2510449347E-02	12678831E-02	1 980	0477	47308797
ED4	2160053538E-02	12914995E-02	1.673	0944	.23405660
ED5	.5724468392E-02	.13222079E-02	4 329	.0000	10068999
ED6	1044580252E-01	.13364638E-02	7 816	0000	66155904E-01
ED7	.1138857230E-01	13470090E-02	8 455	0000	.66738398E-01

Marginal Effects for Probit			
Variable	UNEM1=0	UNEM1=1	All Obs.
ONE	- 0619	-.1224	- 0654
AGEX1	0031	0061	0032
AGEX2	0080	.0158	.0084
AGEX3	.0079	.0157	.0084
AGEX5	-.0058	-.0115	-.0062
MIG1	0063	0125	.0067
REG1	0016	.0032	0017
MRS1	- 0095	- 0188	-.0100
ED2	.0055	0109	0058
ED3	0024	0047	0025
ED4	0020	0040	0022
ED5	.0054	.0107	0057
ED6	.0099	.0196	.0104
ED7	0108	0213	.0114

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability.

	Predicted		
Actual	0	1	Total
0	*****	0	*****
1	4838	0	4838
Total	*****	0	*****

Table D .33: Estimate of Formal Sector (Round I, Female)

```
PROBIT;Lhs=FORM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
       ,Wts=WTPOP;Hold(IMR=mills),Prob=prob,Margin=form1(form1=0, form1=1)$
```

Dependent variable is binary, y=0 or y not equal 0					
Ordinary least squares regression Weighting variable = WTPOP					
Dep var = FORM1 Mean= 2761833950 , S D = .4471093524					
Model size: Observations = 309593, Parameters = 14, Deg Fr = 309579					
Residuals Sum of squares= 44777 92426 , Std Dev = 38032					
Fit R-squared= 276486, Adjusted R-squared = 27646					
Model test F[13, 309579] = 9100 29, Prob value = 00000					
Diagnostic Log-L = **********, Restricted(b=0) Log-L = -190085 4138					
LogAmemiyaPrCrt = -1 933, Akaike Info. Crt = 904					

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	2608403038	36359582E-02	71.739	0000	
AGEX1	- 1462350457	68337038E-02	-21 399	0000	11196792E-01
AGEX2	- 4219578638E-01	30119596E-02	-14 009	0000	86031153E-01
AGEX3	1424119643E-01	23518580E-02	6.055	0000	13629884
AGEX5	- 8360222019E-01	20569733E-02	-40 643	0000	15424253
MIG1	1181483525	19989505E-02	59.105	0000	14738419
REG1	- 1067721119	20706715E-02	-51 564	0000	.86936560
MRS1	- 4888027093E-01	15950009E-02	-30 646	0000	65772070
ED2	1216515021E-01	48230186E-02	2.522	0117	29778661E-01
ED3	2605055531E-01	29656699E-02	8.784	0000	47898138
ED4	1060786157	34508164E-02	30 740	0000	21589944
ED5	2564237362	39517418E-02	64 889	0000	69921623E-01
ED6	4276597620	41253135E-02	103.667	0000	56808240E-01
ED7	7039018452	37242022E-02	189.007	0000	86884934E-01

Normal exit from iterations Exit status=0

Binomial Probit Model	
Maximum Likelihood Estimates	
Dependent variable	FORM1
Weighting variable	WTPOP
Number of observations	309593
Iterations completed	6
Log likelihood function	-140838 3
Restricted log likelihood	-191963 6
Chi-squared	102250 5
Degrees of freedom	13
Significance level	0000000
Results retained for SELECTION model	

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
Index function for probability					
Constant	- 6931955188	15314556E-01	-45 264	.0000	
AGEX1	- 5420146988	.28022858E-01	-19.342	.0000	.11196792E-01
AGEX2	- 1477416009	10850301E-01	-13.616	0000	.86031153E-01
AGEX3	3570319355E-01	85250805E-02	4 188	.0000	.13629884
AGEX5	- 4446568329	95386071E-02	-46 617	0000	15424253
MIG1	3834778918	71857324E-02	53 367	0000	.14738419
REG1	- 3669959081	76169279E-02	-48 182	.0000	.86936560
MRS1	-.1861956826	61436342E-02	-30 307	.0000	.65772070
ED2	6585541949E-01	21646482E-01	3 042	0023	.29778661E-01
ED3	.1340388314	13431503E-01	9.979	0000	.47898138
ED4	4198439932	14652533E-01	28.653	0000	.21589944
ED5	8432473410	15833110E-01	53.258	0000	.69921623E-01

```
 ED6       1.272057003        16323553E-01   77 928    .0000   .56808240E-01
 ED7       2 206630727       .16352810E-01  134 939     0000    86884934E-01

+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs. |
| Observations used for means are FORM1=0   |
+-----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St.Er.|P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant - 1878787513        41019295E-02  -45 803    .0000
 AGEX1    - 1469037840        76023827E-02  -19.323    .0000   .10171161E-01
 AGEX2    -.4004282593E-01   .29500350E-02  -13.574     0000   .61613130E-01
 AGEX3     .9676738003E-02   .23080820E-02    4.193    .0000    85828839E-01
 AGEX5    -.1205166050        25233169E-02  -47 761     0000    21343025
 MIG1       1039351027        19537071E-02   53 199     0000    12323564
 REG1     - 9946794385E-01    20461895E-02  -48 611     0000    91299414
 MRS1     - 5046514496E-01   .16687546E-02  -30 241     0000   .68070340
 ED2       .1784898148E-01   .58664105E-02    3 043     0023   .35962485E-01
 ED3        3632892537E-01    36378722E-02    9.986    .0000   .55997655
 ED4        1137915105        39604572E-02   28.732     0000   .17832591
 ED5       .2285477230        42957338E-02   53.203     0000   .76046893E-01
 ED6       .3447692241        44342312E-02   77 752     0000   .45542790E-01
 ED7        5980693964        44887494E-02  133 237    .0000    27441970E-01

+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics. |
| They are computed at the means of the Xs. |
| Observations used for means are FORM1=1   |
+-----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St.Er |P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant -.2733648440        60474341E-02  -45 203    .0000
 AGEX1    - 2137459917       .11047461E-01  -19 348     0000   .34771597E-02
 AGEX2    -.5826258045E-01    42763459E-02  -13.624     0000    60876244E-01
 AGEX3      1407971874E-01    33623905E-02    4.187     0000    16152704
 AGEX5    -.1753524691       .37613985E-02  -46 619     0000   .66844503E-01
 MIG1       1512262720        28247514E-02   53 536     0000    24289258
 REG1     - 1447265258        30120066E-02  -48 050     0000    84620574
 MRS1     - 7342712459E-01    24203711E-02  -30.337     0000    56857270
 ED2        2597038784E-01    85363070E-02    3 042     0023    11043874E-01
 ED3        5285883022E-01    52967011E-02    9 980    .0000    19586270
 ED4        1655674115        57766256E-02   28 662    .0000    14265697
 ED5        3325384708        62302552E-02   53.375     0000    10762588
 ED6        5016415349       .63974602E-02   78.413     0000    14168128
 ED7        8701949855       .61862876E-02  140.665     0000    38318300

+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs   |
+-----------------------------------------+
+---------+--------------+----------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+--------------+----------------+--------+---------+----------+
         Index function for probability
 Constant - 2193206877        47883215E-02  -45 803    0000
 AGEX1    - 1714884665        88625037E-02  -19 350    0000    11196792E-01
 AGEX2    - 4674408393E-01    34328478E-02  -13 617    0000    86031153E-01
```

AGEX3	1129616212E-01	26973823E-02	4 188	0000	13629884
AGEX5	- 1406853330	29923808E-02	-47 015	0000	.15424253
MIG1	1213288786	22743786E-02	53 346	0000	.14738419
REG1	- 1161141305	24113762E-02	-48 153	.0000	.86936560
MRS1	- 5891060176E-01	.19432601E-02	-30 315	0000	65772070
ED2	2083604913E-01	.68484629E-02	3 042	.0023	29778661E-01
ED3	4240865366E-01	42478359E-02	9 984	0000	47898138
ED4	1328347787	46270100E-02	28 709	0000	21589944
ED5	2667957044	49961861E-02	53 400	0000	69921623E-01
ED6	4024671380	51667018E-02	77 896	0000	.56808240E-01
ED7	6981576703	53366286E-02	130.824	0000	86884934E-01

Marginal Effects for Probit

Variable	FORM1=0	FORM1=1	All Obs
ONE	- 1879	- 2734	- 2193
AGEX1	- 1469	- 2137	-.1715
AGEX2	- 0400	- 0583	- 0467
AGEX3	0097	0141	0113
AGEX5	- 1205	- 1754	- 1407
MIG1	1039	1512	1213
REG1	- 0995	- 1447	- 1161
MRS1	- 0505	- 0734	- 0589
ED2	0178	0260	0208
ED3	0363	0529	.0424
ED4	.1138	1656	1328
ED5	.2285	3325	2668
ED6	3448	.5016	4025
ED7	5981	8702	.6982

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****18225		*****
1	4317453169		96343
Total	*****71394		*****

Table D .34: Estimate of Formal Sector (Round I, male)

```
PROBIT;Lhs=FORM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e ..
       ;Wts=WTPOP;Hold(IMR=mills),Prob=prob,Margin=form1(form1=0, form1=1)$
```

```
+----------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                   |
| Ordinary    least squares regression    Weighting variable = WTPOP   |
| Dep. var. = FORM1     Mean=    3053553751    , S D =    4605584376   |
| Model size. Observations =  350921, Parameters =  14, Deg Fr = 350907 |
| Residuals   Sum of squares= 59341 66517    , Std Dev.=         .41123 |
| Fit.        R-squared=  .202773, Adjusted R-squared =          .20274 |
| Model test: F( 13, 350907) = 6865.56,    Prob value =           00000 |
| Diagnostic. Log-L = ***********, Restricted(b=0) Log-L = -225860 3334 |
|             LogAmemiyaPrCrt.=   -1.777, Akaike Info. Crt =      1 061 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
Constant	.2971411020	.46625965E-02	63.729	.0000	
AGEX1	- 1592802771	79248564E-02	-20 099	0000	84325794E-02
AGEX2	-.7959946738E-01	.33322020E-02	-23.888	.0000	.73967077E-01
AGEX3	-.4634869884E-01	.25152795E-02	-18.427	0000	.12934079
AGEX5	-.5094900395E-01	.19359052E-02	-26.318	0000	.18470531
MIG1	.1087303237	.18452545E-02	58 924	.0000	.18230342
REG1	-.1691890629	.21791323E-02	-77.641	0000	87996052
MRS1	.1962992821E-02	.19624831E-02	1.000	3172	72384780
ED2	1977344580E-01	56905371E-02	3 475	0005	.26931050E-01
ED3	5138125004E-01	39613329E-02	12 971	.0000	47811640
ED4	.1353028953	.43082156E-02	31.406	0000	21650860
ED5	2696594255	44717729E-02	60.303	.0000	.10430834
ED6	.3973791963	.47404709E-02	83.827	.0000	68883197E-01
ED7	.6754356683	.46885093E-02	144.062	0000	71944538E-01

```
Normal exit from iterations. Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable              FORM1     |
| Weighting variable              WTPOP     |
| Number of observations          350921    |
| Iterations completed                 5    |
| Log likelihood function      -180946 8    |
| Restricted log likelihood    -228224.8    |
| Chi-squared                   94555 93    |
| Degrees of freedom                  13    |
| Significance level             0000000    |
| Results retained for SELECTION model      |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 6256821341	17440231E-01	-35.876	0000	
AGEX1	-.6031135374	.31542203E-01	-19 121	0000	84325794E-02
AGEX2	-.2419856765	11125770E-01	-21 750	0000	73967077E-01
AGEX3	- 1377008239	82670727E-02	-16 657	0000	12934079
AGEX5	- 2076007717	70772519E-02	-29.334	.0000	.18470531
MIG1	3360269971	60327900E-02	55 700	.0000	18230342
REG1	- 5186275169	70849276E-02	-73 202	.0000	87996052
MRS1	5733745094E-02	66354225E-02	864	3875	72384780
ED2	8845313573E-01	22109894E-01	4 001	0001	26931050E-01
ED3	2279976633	15577873E-01	14 636	0000	47811640
ED4	4941040709	16439906E-01	30 055	0000	21650860
ED5	8674150405	16741465E-01	51 812	0000	10430834

```
 ED6       1 187727990       17443727E-01   68 089    0000  .68883197E-01
 ED7       2 087652061       18274854E-01  114 236   .0000   71944538E-01
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are FORM1=0   |
+-----------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er.|P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
 Constant - 1947948838       53811050E-02  -36 200    0000
 AGEX1    - 1877685570       98146855E-02  -19 131    0000   90186778E-02
 AGEX2    - 7533788990E-01   34701252E-02  -21 710    0000   61713019E-01
 AGEX3    - 4287067591E-01   25798453E-02  -16 618    0000   90836016E-01
 AGEX5    - 6463276796E-01   21871088E-02  -29 552    0000   24966103
 MIG1       1046159644       18674480E-02   56 021    0000   13766954
 REG1     - 1614653534       21862509E-02  -73 855    0000   91905273
 MRS1       1785098453E-02   20657338E-02     .864    3875   75429182
 ED2        2753829358E-01   68823228E-02    4.001    0001   32921265E-01
 ED3        7098297349E-01   48424899E-02   14 658    0000   54685782
 ED4        1538304194       50992445E-02   30 167    0000   18522739
 ED5        2700540783       51887592E-02   52 046    0000   10681966
 ED6        3697777566       54013847E-02   68 460    0000   57932417E-01
 ED7        6499529371       56460294E-02  115 117    0000   24746156E-01


+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are FORM1=1   |
+-----------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er.|P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
 Constant - 2495322481       69550464E-02  -35.878    0000
 AGEX1    - 2405315233       12579970E-01  -19 120    0000   22248639E-02
 AGEX2    - 9650783770E-01   44376472E-02  -21.748    0000  .41348733E-01
 AGEX3    - 5491733625E-01   32975006E-02  -16.654    0000   10253651
 AGEX5    - 8279457639E-01   28224082E-02  -29 335    0000   13467254
 MIG1       1340130514       24069238E-02   55 678    0000   25199595
 REG1     - 2068371193       28250428E-02  -73 216    0000   85054859
 MRS1       2286711135E-02   26463206E-02      864    3875   74012466
 ED2        3527655434E-01   88177966E-02    4 001    0001   10570111E-01
 ED3        9092918973E-01   62127852E-02   14.636    .0000  .25673483
 ED4       .1970567687       65571469E-02   30.052    .0000  .13602191
 ED5       .3459392769       66797083E-02   51 790    0000   .16819007
 ED6       .4736853098       69625944E-02   68 033    0000   15190921
 ED7        8325897187       73161364E-02  113 802    0000   26497566
+-----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs. |
| Observations used for means are All Obs   |
+-----------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
 Constant - 2139905592       59259931E-02  -36 110    0000
 AGEX1    -.2062718369       10781809E-01  -19 131   .0000  .84325794E-02
 AGEX2    -.8276191282E-01   38046986E-02  -21 753   .0000  .73967077E-01
 AGEX3    - 4709528162E-01   28276285E-02  -16 655   .0000  .12934079
```

AGEX5	- 7100187588E-01	.24170915E-02	-29 375	.0000	18470531
MIG1	1149251371	20625289E-02	55 720	.0000	18230342
REG1	- 1773766364	.24263716E-02	-73 104	.0000	87996052
MRS1	1961007439E-02	22693919E-02	.864	.3875	.72384780
ED2	3025200010E-01	75615589E-02	4.001	0001	.26931050E-01
ED3	7797784981E-01	.53252564E-02	14.643	0000	.47811640
ED4	1689893329	56157670E-02	30.092	0000	21650860
ED5	.2966660218	.57140992E-02	51 918	0000	.10430834
ED6	.4062167721	.59588519E-02	68 170	0000	68883197E-01
ED7	7140012600	.63239593E-02	112.904	0000	71944538E-01

Marginal Effects for Probit			
Variable	FORM1=0	FORM1=1	All Obs
ONE	- 1948	-.2495	-.2140
AGEX1	- 1878	- 2405	- 2063
AGEX2	- 0753	-.0965	- 0828
AGEX3	- 0429	-.0549	- 0471
AGEX5	-.0646	- 0828	- 0710
MIG1	.1046	1340	1149
REG1	-.1615	- 2068	- 1774
MRS1	0018	.0023	0020
ED2	0275	.0353	0303
ED3	0710	.0909	0780
ED4	1538	.1971	1690
ED5	2701	.3459	.2967
ED6	3698	4737	.4062
ED7	.6500	8326	7140

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****21631		*****
1	6848056022		*****
Total	*****77653		*****

Table D .35 : Estimate of Formal Sector (Round III , Female)

```
PROBIT,Lhs=FORM1,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
      ,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=form1(form1=0, form1=1)$
```

```
+------------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                     |
| Ordinary    least squares regression    Weighting variable = WTPOP     |
| Dep  var  = FORM1     Mean=     2116313973     , S D =     4084655078  |
| Model size  Observations =  319566, Parameters =  14, Deg.Fr.= 319552   |
| Residuals   Sum of squares= 35800 67037     , Std Dev =          33471 |
| Fit         R-squared=    328538, Adjusted R-squared =          32851 |
| Model test  F[ 13, 319552] =12027 16,     Prob value =          00000 |
| Diagnostic  Log-L = **********, Restricted(b=0) Log-L = -167321 3002    |
|             LogAmemiyaPrCrt =   -2 189, Akaike Info. Crt.=        649 |
+------------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
Constant	2951141116	32404295E-02	91 073	0000	
AGEX1	- 1352699228	53220295E-02	-25.417	0000	14483721E-01
AGEX2	- 6608076843E-01	25805581E-02	-25 607	0000	96436367E-01
AGEX3	- 1279294309E-02	20584154E-02	- 621	5343	13918868
AGEX5	- 5425054448E-01	17685433E-02	-30 675	0000	15719146
MIG1	8997561214E-01	17760032E-02	50 662	0000	13868948
REG1	- 1796867002	19641620E-02	-91.483	0000	89053323
MRS1	- 4931951008E-01	14239510E-02	-34 636	0000	67115909
ED2	1553701367E-01	42138953E-02	3 687	0002	28854603E-01
ED3	1192807169E-01	25498996E-02	4 678	0000	49893756
ED4	8005062235E-01	29991955E-02	26 691	0000	.22644694
ED5	2548904235	35141139E-02	72 533	0000	.62899782E-01
ED6	4542807019	37346873E-02	121 638	.0000	.47910390E-01
ED7	7164089406	33563824E-02	213 447	0000	.72403065E-01

```
Normal exit from iterations  Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable                FORM1   |
| Weighting variable                WTPOP   |
| Number of observations            319566  |
| Iterations completed                   6  |
| Log likelihood function       -118470 6   |
| Restricted log likelihood     -185448 9   |
| Chi-squared                    133956.7   |
| Degrees of freedom                   13   |
| Significance level              0000000   |
| Results retained for SELECTION model.     |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 5815236133	16566821E-01	-35 102	0000	
AGEX1	- 6603865582	29186417E-01	-22 627	0000	14483721E-01
AGEX2	- 2585706532	11425436E-01	-22.631	0000	96436367E-01
AGEX3	- 1593234496E-01	90931378E-02	-1 752	0798	.13918868
AGEX5	- 3825196588	10421035E-01	-36 706	0000	.15719146
MIG1	3453215743	76991136E-02	44 852	.0000	.13868948
REG1	- 6638146402	82790062E-02	-80 180	0000	89053323
MRS1	- 2270671073	66494444E-02	-34 148	.0000	67115909
ED2	.1084389179	23337904E-01	4 646	0000	28854603E-01
ED3	7441976288E-01	14559895E-01	5 111	0000	49893756
ED4	3828301853	15891028E-01	24.091	0000	22644694
ED5	9257445072	17077869E-01	54 207	0000	62899782E-01

```
 ED6       1 424938636       .17685800E-01   80.570     0000  .47910390E-01
 ED7       2 314255220        17655938E-01  131 075     0000   72403065E-01

+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics. |
| They are computed at the means of the Xs  |
| Observations used for means are FORM1=0   |
+----------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er |P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
 Constant -.1215275132       34359258E-02  -35.370    .0000
 AGEX1    - 1380083875      .61044179E-02  -22 608     0000   13961114E-01
 AGEX2    - 5403641013E-01  .24086680E-02  -22 434     0000   67589723E-01
 AGEX3    - 3329560860E-02   19015371E-02   -1.751     0799  .89658529E-01
 AGEX5    - 7993942434E-01  .21228993E-02  -37.656     0000   21214062
 MIG1       7216572332E-01   16164519E-02   44.645     0000   11804613
 REG1     - 1387247923      .17159493E-02  -80 844     0000   93456635
 MRS1     - 4745276074E-01   13960084E-02  -33.992     0000   69276157
 ED2        2266169717E-01  .48759469E-02    4 648     0000   34185516E-01
 ED3        1555233272E-01  .30420000E-02    5 113    .0000   57418176
 ED4       .8000431854E-01   33138134E-02   24 143    .0000   18555046
 ED5        1934632150       .35915970E-02   53.866    .0000  .67756231E-01
 ED6        2977854122       .37612771E-02   79.171    .0000  .39056963E-01
 ED7        4836358754       .38800759E-02  124.646     0000  .23635696E-01
+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs. |
| Observations used for means are FORM1=1   |
+----------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St.Er |P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
 Constant - 2314992046       65985924E-02  -35 083     0000
 AGEX1    - 2628938181       11616310E-01  -22 631     0000   35151856E-02
 AGEX2    - 1029346001       45457333E-02  -22 644     0000   61457162E-01
 AGEX3    - 6342520065E-02   36197641E-02   -1 752     0797   16303431
 AGEX5    - 1522775598       41484875E-02  -36 707     0000   69214004E-01
 MIG1       1374693443       30615489E-02   44 902     0000   23290448
 REG1     - 2642585060       32995467E-02  -80 089     0000   83046260
 MRS1     - 9039332805E-01   26453494E-02  -34 171    .0000   55858643
 ED2        4316853635E-01   92905456E-02    4 647    .0000  .98542370E-02
 ED3        2962582348E-01   57960782E-02    5 111     0000   18637514
 ED4        1524011775      .63247083E-02   24 096    .0000   13696335
 ED5        3685303782      .67898244E-02   54 277    .0000   10860752
 ED6        5672549718       70150204E-02   80 863    .0000   14650122
 ED7        9212837287       68906506E-02  133 701    .0000   39545838
+----------------------------------------+
| Partial derivatives of E[y] = F[*]   with |
| respect to the vector of characteristics  |
| They are computed at the means of the Xs  |
| Observations used for means are All Obs   |
+----------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient  | Standard Error |b/St Er.|P[|Z|>z] | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
         Index function for probability
 Constant - 1473178243       41531318E-02  -35 472     0000
 AGEX1    - 1672962348       73823492E-02  -22 662     0000   14483721E-01
 AGEX2    - 6550390247E-01   28940679E-02  -22 634     0000   96436367E-01
 AGEX3    - 4036153204E-02   23034867E-02   -1 752     0797   13918868
 AGEX5    - 9690399942E-01   26129272E-02  -37 086     0000   15719146
```

MIG1	.8748058005E-01	.19499698E-02	44.863	.0000	.13868948
REG1	-.1681646734	.21158588E-02	-79.478	.0000	.89053323
MRS1	-.5752308497E-01	.16825215E-02	-34.189	.0000	.67115909
ED2	.2747091448E-01	.59111989E-02	4.647	.0000	.28854603E-01
ED3	.1885281578E-01	.36877786E-02	5.112	.0000	.49893756
ED4	.9698266532E-01	.40173598E-02	24.141	.0000	.22644694
ED5	.2345195681	.43171776E-02	54.322	.0000	.62899782E-01
ED6	.3609808007	.45127580E-02	79.991	.0000	.47910390E-01
ED7	.5862720551	.47300773E-02	123.946	.0000	.72403065E-01

Marginal Effects for Probit			
Variable	FORM1=0	FORM1=1	All Obs
ONE	-.1215	-.2315	-.1473
AGEX1	-.1380	-.2629	-.1673
AGEX2	-.0540	-.1029	-.0655
AGEX3	-.0033	-.0063	-.0040
AGEX5	-.0799	-.1523	-.0969
MIG1	.0722	.1375	.0875
REG1	-.1387	-.2643	-.1682
MRS1	-.0475	-.0904	-.0575
ED2	.0227	.0432	.0275
ED3	.0156	.0296	.0189
ED4	.0800	.1524	.0970
ED5	.1935	.3685	.2345
ED6	.2978	.5673	.3610
ED7	.4836	.9213	.5863

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability

	Predicted		
Actual	0	1	Total
0	*****13169		*****
1	4101144333		85344
Total	*****57502		*****

Table D .36 : Estimate of Formal Sector (Round III , Male)

```
PROBIT;Lhs=FORM1;Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed3,e
      ,Wts=WTPOP,Hold(IMR=mills),Prob=prob,Margin=form1(form1=0, form1=1)$
```

```
+------------------------------------------------------------------------+
| Dependent variable is binary, y=0 or y not equal 0                     |
| Ordinary    least squares regression    Weighting variable = WTPOP     |
| Dep  var. = FORM1    Mean=    2541956856    , S D =    4354087784      |
| Model size  Observations =  335354, Parameters =  14, Deg.Fr.= 335340  |
| Residuals   Sum of squares= 47791 54959    , Std Dev.=          37751  |
| Fit         R-squared=   248283, Adjusted R-squared =          24825  |
| Model test: F[ 13, 335340] = 8519 89,    Prob value =          00000  |
| Diagnostic  Log-L = ***********, Restricted(b=0) Log-L = -197009 4386  |
|             LogAmemiyaPrCrt.=   -1 948, Akaike Info. Crt =       .890  |
+------------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	.3350982162	43848864E-02	76 421	0000	
AGEX1	- 1545372403	62742292E-02	-24.630	0000	12448330E-01
AGEX2	- 1112465511	.30016580E-02	-37 062	.0000	87899610E-01
AGEX3	- 7275691523E-01	23350755E-02	-31.158	.0000	.13882535
AGEX5	- 3197366540E-01	.18490231E-02	-17.292	0000	17727253
MIG1	.6697024766E-01	17232167E-02	38 864	0000	18542572
REG1	- 2372136478	21310392E-02	-111 314	0000	88808361
MRS1	8109885599E-02	18401391E-02	4.407	0000	70318796
ED2	1798263417E-01	53884129E-02	3.337	0008	25701898E-01
ED3	3074280915E-01	.36866485E-02	8.339	.0000	.47711527
ED4	.1097925498	.40121047E-02	27.365	0000	23179620
ED5	2709185286	.41922577E-02	64 624	.0000	10004324
ED6	4100110668	44675944E-02	91.774	0000	65154944E-01
ED7	6758136936	44412742E-02	152.167	.0000	66165714E-01

```
Normal exit from iterations  Exit status=0
```

```
+-------------------------------------------+
| Binomial Probit Model                     |
| Maximum Likelihood Estimates              |
| Dependent variable                FORM1   |
| Weighting variable                WTPOP   |
| Number of observations           335354   |
| Iterations completed                  6   |
| Log likelihood function       -151369.0   |
| Restricted log likelihood     -211005.4   |
| Chi-squared                    119272.9   |
| Degrees of freedom                   13   |
| Significance level             .0000000   |
| Results retained for SELECTION model      |
+-------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	- 5340238538	18694864E-01	-28 565	0000	
AGEX1	- 7437010795	32072515E-01	-23.188	0000	12448330E-01
AGEX2	- 3917631086	.11783419E-01	-33 247	.0000	87899610E-01
AGEX3	- 2402265874	88525131E-02	-27 137	0000	13882535
AGEX5	- 1506410200	77500073E-02	-19 438	0000	17727253
MIG1	.2383750569	64884201E-02	36 739	0000	18542572
REG1	- 7597725845	76244757E-02	-99 649	.0000	.88808361
MRS1	2632059371E-01	71238392E-02	3 695	0002	.70318796
ED2	9520984561E-01	24034888E-01	3 961	0001	25701898E-01
ED3	1690522104	16735660E-01	10 101	0000	47711527
ED4	4439125836	17680001E-01	25 108	0000	23179620
ED5	9378180810	17949704E-01	52 247	0000	10004324

ED6	1.287405636	.18681321E-01	68.914	.0000	.65154944E-01
ED7	2.140990171	.19530134E-01	109.625	.0000	.66165714E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are FORM1=0

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.1432733242	.49770346E-02	-28.787	.0000	
AGEX1	-.1995276524	.85834323E-02	-23.246	.0000	.13824215E-01
AGEX2	-.1051061717	.31752165E-02	-33.102	.0000	.72363465E-01
AGEX3	-.6445042015E-01	.23896181E-02	-26.971	.0000	.95588851E-01
AGEX5	-.4041549746E-01	.20660060E-02	-19.562	.0000	.24123211
MIG1	.6395367280E-01	.17324940E-02	36.914	.0000	.14611464
REG1	-.2038394785	.20176988E-02	-101.026	.0000	.93639451
MRS1	.7061555267E-02	.19108521E-02	3.696	.0002	.73818135
ED2	.2554386098E-01	.64471592E-02	3.962	.0001	.31481147E-01
ED3	.4535503796E-01	.44851518E-02	10.112	.0000	.54742217
ED4	.1190973607	.47276993E-02	25.191	.0000	.19714705
ED5	.2516073262	.47972934E-02	52.448	.0000	.10213090
ED6	.3453982137	.49963909E-02	69.130	.0000	.53732934E-01
ED7	.5744065115	.52441556E-02	109.533	.0000	.23516144E-01

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics
They are computed at the means of the Xs
Observations used for means are FORM1=1

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.2120244712	.74207956E-02	-28.572	.0000	
AGEX1	-.2952730051	.12736900E-01	-23.182	.0000	.23717020E-02
AGEX2	-.1555424263	.46831185E-02	-33.213	.0000	.39626803E-01
AGEX3	-.9537760309E-01	.35189272E-02	-27.104	.0000	.10072812
AGEX5	-.5980928078E-01	.30764329E-02	-19.441	.0000	.13871227
MIG1	.9464248651E-01	.25781359E-02	36.710	.0000	.23859138
REG1	-.3016539043	.30281145E-02	-99.618	.0000	.83564197
MRS1	.1045011365E-01	.28285004E-02	3.695	.0002	.73713790
ED2	.3780133982E-01	.95426841E-02	3.961	.0001	.99851423E-02
ED3	.6711910951E-01	.66449116E-02	10.101	.0000	.24393463
ED4	.1762474281	.70227244E-02	25.097	.0000	.12654922
ED5	.3723436347	.71420776E-02	52.134	.0000	.17306042
ED6	.5111410236	.74468098E-02	68.639	.0000	.15916243
ED7	.8500412586	.78801659E-02	107.871	.0000	.27626175

Partial derivatives of E[y] = F[*] with respect to the vector of characteristics. They are computed at the means of the Xs. Observations used for means are All Obs.

Variable	Coefficient	Standard Error	b/St.Er.	P[|Z|>z]	Mean of X
	Index function for probability				
Constant	-.1614842049	.56134423E-02	-28.767	.0000	
AGEX1	-.2248887885	.96787201E-02	-23.235	.0000	.12448330E-01
AGEX2	-.1184657832	.35601696E-02	-33.275	.0000	.87899610E-01
AGEX3	-.7264244694E-01	.26771962E-02	-27.134	.0000	.13882535
AGEX5	-.4555254446E-01	.23409928E-02	-19.459	.0000	.17727253
MIG1	.7208256008E-01	.19601675E-02	36.774	.0000	.18542572
REG1	-.2297486729	.23241377E-02	-98.853	.0000	.88808361
MRS1	.7959120400E-02	.21542090E-02	3.695	.0002	.70318796
ED2	.2879063568E-01	.72674800E-02	3.962	.0001	.25701898E-01
ED3	.5111992956E-01	.50586025E-02	10.106	.0000	.47711527
ED4	.1342353344	.53396503E-02	25.139	.0000	.23179620
ED5	.2835880946	.54136868E-02	52.384	.0000	.10004324
ED6	.3893003545	.56461710E-02	68.949	.0000	.65154944E-01
ED7	.6474169514	.60163362E-02	107.610	.0000	.66165714E-01

Marginal Effects for Probit			
Variable	FORM1=0	FORM1=1	All Obs.
ONE	-.1433	-.2120	-.1615
AGEX1	-.1995	-.2953	-.2249
AGEX2	-.1051	-.1555	-.1185
AGEX3	-.0645	-.0954	-.0726
AGEX5	-.0404	-.0598	-.0456
MIG1	.0640	.0946	.0721
REG1	-.2038	-.3017	-.2297
MRS1	.0071	.0105	.0080
ED2	.0255	.0378	.0288
ED3	.0454	.0671	.0511
ED4	.1191	.1762	.1342
ED5	.2516	.3723	.2836
ED6	.3454	.5111	.3893
ED7	.5744	.8500	.6474

Frequencies of actual & predicted outcomes
Predicted outcome has maximum probability.

	Predicted		
Actual	0	1	Total
0	*****15097		*****
1	6274945612		*****
Total	*****60709		*****

Table D .37 · Estimate of Looking for work (Round I , Female)

```
REGRESS,Lhs=LENLKWK,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed
       ,MILLS,Wts=WTPOP$
```

```
+------------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP     |
| Dep  var  = LENLKWK  Mean=   87 64964802    , S D =   119 4243630      |
| Model size  Observations =    1952, Parameters =  15, Deg Fr =    1937 |
| Residuals   Sum of squares= 25345866 21     , Std Dev =       114.39018 |
| Fit         R-squared=   089114, Adjusted R-squared =           08253 |
| Model test  F( 14,   1937) =   13 54,     Prob value =          00000 |
| Diagnostic  Log-L = -12631 3271, Restricted(b=0) Log-L =  -12722.4246 |
|             LogAmemiyaPrCrt =    9 487, Akaike Info. Crt =      12 957 |
| Autocorrel  Durbin-Watson Statistic =   1 68097,   Rho =         .15952 |
+------------------------------------------------------------------------+
+---------+-------------+---------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St Er |P(|Z|>z) | Mean of X|
+---------+-------------+---------------+--------+---------+----------+
Constant  163 3701441      56 666142       2 883    0039
AGEX1      -7 539489221    28 082260        - 268    7883   11074042E-01
AGEX2      -1 371305420     8 3457586       - 164    8695   .20959955
AGEX3     -11 22956894      6 6938990      -1 678    .0934   31622858
AGEX5      29 98000935     23 534518       1 274    2027   20920162E-01
MIG1      -34 19099958     11 609109      -2 945    0032   38860232
REG1       35 54462026     27 665887       1 285    1989   83964525
MRS1       22 05863747     10 055504       2 194    0283   43088313
ED2        15 74962368     27 254065         578    5633   14292574E-01
ED3        27 82595552     17 042368       1 633    1025   .18005975
ED4        18 35383995     17 181343       1 068    2854   29216303
ED5         5 645792500    29 605084         .191   8488   14660592
ED6        27 32623557     33 678930         811    4172   12804677
ED7        28 69784412     41 841242         686   .4928   21010211
MILLS     -91 52303764     46 402537      -1.972    0486   1 3050538
```

Table D .38 : Estimate of Looking for Work (Round I , Male)

```
REGRESS,Lhs=LENLKWK;Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed
       ,MILLS;Wts=WTPOP$
```

```
+----------------------------------------------------------------------+
| Ordinary     least squares regression     Weighting variable = WTPOP |
| Dep. var  = LENLKWK  Mean=    80 00857739     , S D =    135 8937633 |
| Model size  Observations =     2715, Parameters =   15, Deg Fr.=   2700 |
| Residuals    Sum of squares= 46667216.24     , Std Dev.=      131 46921 |
| Fit          R-squared=  .068886, Adjusted R-squared =          06406 |
| Model test: F( 14,    2700) =    14 27,     Prob value =          00000 |
| Diagnostic. Log-L = -17998 0522, Restricted(b=0) Log-L =  -18094.9414 |
|             LogAmemiyaPrCrt.=    9 763, Akaike Info. Crt =     13.269 |
| Autocorrel  Durbin-Watson Statistic =   1 75703,    Rho =       .12149 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St.Er	P[|Z|>z]	Mean of X
Constant	8.572676834	50.472656	170	8651	
AGEX1	19.88404261	43.201974	460	6453	46770015E-02
AGEX2	-20 67615457	8 4335142	-2 452	0142	19258016
AGEX3	-18 92135065	6.9818099	-2.710	0067	32813508
AGEX5	16 03537629	13 798867	1.162	.2452	.40355101E-01
MIG1	-23 39401578	5 8157442	-4 023	0001	37202334
REG1	-9 585947346	36.834093	- 260	7947	83823837
MRS1	12.42733651	8 3773135	1 483	1380	37281006
ED2	-1.967422062	31 662866	- 062	9505	11242553E-01
ED3	23 42530350	21 359894	1.097	.2728	17201660
ED4	11 92119113	19 978372	.597	5507	.31236421
ED5	58 04578548	21 941184	2.646	.0082	18935259
ED6	81.98191464	29.745770	2 756	0058	16292400
ED7	125 4055145	34.218259	3 665	0002	12883467
MILLS	39 62953199	62.319646	636	5248	1.1293615

Table D .39 : Estimate of Looking for Work (Round III , Female)

```
PEGPESS,Lhs=LENLKWK,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed
       ,MILLS,Wts=WTPOPS
```

```
+----------------------------------------------------------------------+
| Ordinar.     least squares regression    Weighting variable = WTPOP  |
| Dep  'ar  = LENLKWK  Mean=   89 91480025    , S D =   112 9569654    |
| Model size  Observations =    1529, Parameters =  15, Deg Fr =   1514 |
| Residuals   Sum of squares= 17898590 43    , Std Dev.=      108 72927 |
| Fit         R-squared=   081943, Adjusted R-squared =          07345 |
| Model test  F[ 14,   1514] =    9 65,    Prob value =          00000 |
| Diagnostic  Log-L =  -9782 7039, Restricted(b=0) Log-L =   -9848 0658 |
|             LogAmemiyaPrCrt =    9 387, Akaike Info  Crt.=     12 816 |
| Autocorrel  Durbin-Watson Statistic =   1 71520,   Rho =        14240 |
+----------------------------------------------------------------------+
```

Variable	Coefficient	Standard Error	b/St Er	P[|Z|>z]	Mean of X
Constant	-45 83298171	39 356005	-1 165	2442	
AGEX1	-74 21230656	29 644706	-2 503	0123	10640416E-01
AGEX2	16 72878849	9 6979592	1 725	0845	21665081
AGEX3	14 18783469	7 0234554	2 020	0434	35955823
AGEX5	-42 27820960	23 036651	-1 835	0665	20151764E-01
MIG1	-3 388200168	10 471027	- 324	7463	.32663711
REG1	-47 16329946	17 554899	-2 687	0072	75977984
MRS1	-47 94899380	13.077560	-3 667	0002	31916939
ED2	34 19198091	26 951081	1 269	2046	18892486E-01
ED3	-14 46288106	20 147693	- 718	4729	13476095
ED4	-4 435065055	19 327303	- 229	8185	18672564
ED5	55 24911744	23 379469	2 363	0181	.13582322
ED6	86 05722527	25 769375	3 340	.0008	.18344761
ED7	134 0559484	29 190926	4 592	0000	31349306
MILLS	114 7520734	35 676611	3 216	0013	1 0258858

Table D .40 :Estimate of Looking for Work (Round III , Male)

```
REGRESS;Lhs=LENLKWK,Rhs=ONE,AGEX1,AGEX2,AGEX3,AGEX5,MIG1,REG1,MRS1,ed2,ed
       ,MILLS,Wts=WTPOP$
```

```
+------------------------------------------------------------------------+
| Ordinary    least squares regression    Weighting variable = WTPOP     |
| Dep var  = LENLKWK  Mean=   88 56526742    , S D =   111 8015182       |
| Model size  Observations =    2053, Parameters =  15, Deg Fr =   2038  |
| Residuals:  Sum of squares= 23157644.96    , Std.Dev =      106.59703  |
| Fit         R-squared=  .097137, Adjusted R-squared =          09094  |
| Model test  F[ 14,   2038] =   15 66,    Prob value =          00000  |
| Diagnostic  Log-L = -13121 8308, Restricted(b=0) Log-L =  -13226 7236  |
|             LogAmemiyaPrCrt.=    9.345, Akaike Info Crt =     12 798  |
| Autocorrel· Durbin-Watson Statistic =   1 74009,   Rho =        12995  |
+------------------------------------------------------------------------+
+---------+-------------+----------------+--------+---------+----------+
|Variable | Coefficient | Standard Error |b/St.Er.|P[|Z|>z] | Mean of X|
+---------+-------------+----------------+--------+---------+----------+
 Constant -437 9390827      51 601925       -8 487    0000
 AGEX1    -262 9036807      37 128185       -7 081    0000   59681349E-02
 AGEX2    -88 11497648      9 7882832       -9 002    0000   .17887262
 AGEX3    -53 08269715      7 1417270       -7 433    0000   .34418206
 AGEX5    -95 25246627      18 449867       -5 163    0000   27396775E-01
 MIG1     -31.55684191      5 3640466       -5 883    0000   31009415
 REG1     -175.7377170      15 765788      -11 147    0000   82000844
 MRS1     -11 96270624      6.1243553       -1 953   .0508   .34310012
 ED2       143 1695243      33.819896        4.233    0000   .17596144E-01
 ED3       104 5874756      27.837693        3 757    0002   18808869
 ED4       63 72665852      27 275937        2 336    0195   22616660
 ED5       318 5103612      35 270288        9 031    0000   .18659052
 ED6       335.8279572      36.424334        9 220    0000   .18597537
 ED7       407.3870705      40 695972       10.011   .0000   .18750845
 MILLS     531 5589507      45.937739       11.571    0000   .91773796
```