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Construction of the Earnings and Benefits File (EBF) for Use With the Health and Retirement Survey

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This paper documents the Earnings and Benefits File (EBF). The EBF is a restricted dataset created for researchers working with the Health and Retirement Survey (HRS) under a set of limited access conditions. The EBF and all derived variables contained therein are intended for research purposes only, by registered users of the public use file of the Health and Retirement Survey, and may be linked only with HRS files containing no geographic detail below the Census Division level.

Details on the rationale for, and definitions of, constructed employment, earnings, and social security wealth variables in the EBF are provided, as well as a bibliography for those wishing additional information on the rules by which social security earnings data are used in calculating benefits. The EBF contains information derived for respondents of the 1992 Health and Retirement Survey who authorized the University of Michigan's Institute for Social Research to obtain administrative records from the Social Security Administration. The EBF is described below, first in conceptual terms in Part I, and then in more technical detail in Part II. Appendices contain a detailed layout of variables and codebook for the data file along with additional descriptive statistics.

I. A General Description of EBF Variables

The Earnings and Benefits File (EBF) contains three types of variables, aimed at meeting specific data needs of the research community working with the Health and Retirement Survey. First, HRS researchers often desire summary measures of labor market attachment, particularly useful for modeling retirement and saving patterns. Second, researchers often require information on aggregate earnings, measures of interest in their own right and also of use to those assessing respondents' retirement saving. Third, researchers need computed social

¹ Readers interested in obtaining detailed information about social security rules should consult the Bibliography for citations. The SSA world wide web site also provides useful information and references to social security data and rules (http://www.ssa.gov). The EBF is a restricted file and users are prohibited from linking the EBF dataset to any HRS file containing identifiers below the Census Division level. Questions regarding the EBF and HRS datasets should be directed by e-mail to hrsquest@umich.edu.

security wealth variables for studies of retirement behavior, and preparedness for retirement. In the context of the Health and Retirement Survey, first fielded in the year 1992, it is useful to have measures of social security wealth as of that year for comparability purposes with other wealth measures obtained at that interview date.

We have constructed measures of these three types of variables in the EBF dataset, derived only for ageeligible HRS respondents who authorized the release of earnings and benefit data to the University of Michigan's Institute for Social Research. Specifically, only HRS respondents and spouses age 51-61 in 1992 were eligible for inclusion in the EBF file. In this section we describe in general terms the nature of the data creation effort, and further technical details follow in Part II below.

A. Creation of Employment Summary Data in the EBF

The EBF contains a variety of employment summary measures created for Health and Retirement Survey respondents. These are derived from administrative records supplied by the Social Security Administration (SSA), in accordance with agreements signed between the Institute for Social Research (ISR) at the University of Michigan and the SSA. Of the HRS survey respondents asked to sign a permission form in 1992 allowing access to their earnings and benefit records at SSA, some 75% complied with the request.

2 ISR provided identifiers to SSA, and individual earnings records were obtained for cases with matching identifiers. A final match rate of 66% of the entire Wave 1 HRS sample was obtained. If no permission was obtained, or if a match could not be generated, no employment variables were generated in the EBF file for that case ID.

Table 1 summarizes several of the labor market attachment variables included in the EBF. The sample included in this Table covers individuals who were not in receipt of disability benefits from social security as of 1991, and who had nonzero earnings at some point in their careers. ³ One summary measure indicates how many

² These figures refer to the HRS Wave 1 respondents. In Waves 2 and thereafter additional respondents supplied permission forms, but these respondents have not yet been included in the EBF dataset supplied with this release of the EBF file.

³ Respondents with no positive covered earnings are excluded from the EBF file. Some of these never worked for pay, but others probably worked in noncovered sectors. These latter sectors have narrowed over time, but most often would be thought of as government (e.g. federal, state, and local), agricultural, and nonprofit workers.

years a respondent's record showed zero covered earnings by decade of age from age 20-29, 30-39, ... to age 80-89 (see variables 44-50 in Appendix A). Only the years 1951 through 1991, inclusive, are used in this computation. If the respondent's current age was part-way through a decade at the time of the HRS survey, only the relevant years "at risk" are included in the count. Thus, for instance, a 52-year old respondent would have a value of at most 3 years in the column pertaining to the number of years with zero covered earnings from age 50-59.

Descriptive statistics on this variable by sex and marital status appear in Table 1 for respondents who had had some positive covered earnings over their lifetimes. ⁴ Here we see that men with at least some nonzero earnings in the HRS cohort devoted 80-90 percent of their potential work years in covered employment, whereas women with nonzero earnings devoted about half the time in covered jobs during their twenties and thirties, with the fraction rising to 60-80 percent thereafter. The fraction of time spent in covered employment varies with marital status: more married than nonmarried men were in covered employment all their lives, whereas more nonmarried than married women were in covered jobs.

See Table 1. Descriptive Statistics on EBF Covered Employment Variables

A different variable measuring respondents' length of time working under the social security system focuses on total quarters of coverage (QC's), or the number of quarters an individual worked in jobs covered by social security rules. Specific numbers of quarters of coverage (QC's) are needed for establishing eligibility for social security benefits; persons reaching age 62 after 1990, for instance, must have 40 quarters of coverage to be insured for Social Security retirement benefits. Historically, QC's referred to earnings in a calendar quarter, but more recently, one quarter of coverage has been credited for a specified amount of earnings. For example, in 1992, a worker was entitled to a quarter of coverage for each \$570 in earnings in covered employment, up to 4 per

⁴ Tabulations in Table 1 are weighted by HRS sample weights. Some HRS respondents do not have covered earnings reported in the administrative records, since their jobs were not covered by social security in times past. For a discussion of covered and uncovered jobs see Myers (1991).

year; that figure is indexed over time (SSA 1992, Table 2.A.7). For the EBF datafile, quarters of coverage requirements in the past were computed by the ANYPIA software program. This is a computer program prepared by the Office of the Actuary, Social Security Administration, that incorporates current as well as historical social security rules relevant to HRS respondents (Office of the Actuary 1995).

The EBF reports total quarters of coverage for each individual, as well as quarters of coverage over each two-year period from 1982 through 1991. Table 1 summarizes the total number of quarters reported in covered employment (variable 30; see Appendix A), the number of covered quarters by two-year pairs between 1982-1991 (variables 32-36), and our computation of the total number of years in covered employment between the ages of 20 and 50. As before, the employment variables indicate that married men have the highest numbers of years in covered employment between age 20 and 50 (26 years) as well as total quarters in covered employment (125) compared to nonmarried men (25 years, 115 quarters) as well as married and nonmarried women (16 years, 72 quarters; 18 years and 85 quarters respectively). Both men and women averaged 5-7 quarters of coverage within the last several pairs of years leading up to the HRS survey.

Also included in the EBF is a variable (31) indicating the individual's eligibility status for the Social Security Disability Insurance program as of yearend 1991. Table 1 shows that most married men (84%) and nonmarried men (75%) are eligible for SSDI based on their own work record, whereas somewhat fewer married women (59%) and nonmarried women (72%) are eligible. As is clarified in Part II of the discussion, any HRS respondents in receipt of Disability Insurance payments at the time of the survey have no social security retirement benefits computed in the EBF

(but their earnings and employment are shown). ⁵ Individuals receiving DI benefits are therefore excluded from computations in Table 1. ⁶

B. Computation of Aggregate Earnings Data

As described above, QC's measure the work attachment requirement for Social Security insured status. Once eligible, retiree benefit amounts are based on the respondentÕs average long-term covered earnings. Specifically, the number of years in the averaging period equals the number of full calendar years after 1950 (or, if later, after age 21) and up to the year in which the worker attains age 62, becomes disabled, or dies--generally minus 5 "dropout" years. For most HRS respondents, the result is 35 years. For the EBF, the Average Indexed Monthly Earnings (AIME) amount was computed using the ANYPIA program (Office of the Actuary, 1995).

To compute the respondent's current AIME (that is, based on earnings through 1991), the algorithm used covered earnings from 1951 to 1991, recorded up to the taxable maximum earnings ceiling in the administrative records file supplied by the Social Security Administration. (In 1992 this maximum was an annual \$55,500; for historical amounts, see SSA, 1995, Table 2.A.3). The program then indexes earnings up to age 60 by economywide average wage increases; for example, earnings in 1951 were inflated by a factor of almost 9 to convert them to 1992 dollars. Subsequently the respondent's highest indexed earnings are averaged after eliminating the requisite number of dropout years (see Part II for a more detailed discussion). This computation yields the respondent's current AIME amount, in \$1992 (variable 5). Zero earnings years -- including imputed future zeros -- are included as necessary in the AIME calculation.

⁵ As noted below, disability benefits are not included in the EBF file.

⁶DI recipients are identified (variable 4 is set to 1) and they have a missing value code (-9) inserted in lieu of social security benefit amounts in the social security benefit fields (variables 9-29 in Appendix A). In this way, DI recipients can be distinguished from those ineligible for benefits due to insufficient quarters of coverage; those not eligible to receive social security benefits have a 0 in their benefits variable fields (variables 9-29). If a DI recipient was married, no benefit is computed for that personÕs spouse either, and a missing data value (-9) appears in variables 9-29.

⁷ Users should note that the respondents' consent agreements allowed the provision only of records to date and annual earnings before 1951 are not available in electronic form at SSA.

Two other AIME measures were also created (but not retained in the EBF), namely the AIME that the respondent would have had at the early, and also at the normal, retirement age. Because some HRS respondents (and their spouses) were not old enough to be eligible to receive social security retirement—benefits in 1992, it was necessary to project earnings forward in order to determine what these potential AIME amounts might be if they did work to the social security entitlement ages. Each non-disabled respondent's earnings were therefore projected to age 62, which is the earliest age he/she could file for retired worker benefits under social security rules, and also to that respondent's normal retirement age. This normal retirement age is age 65 for older members of the sample, but has been raised to age 67 for those born in 1960 or later, with gradual increases for ages in between. We projected earnings for each person using a weighted average of his/her own earnings over the past five years, corrected for inflation. (Details are given in Part II of this report).

These earnings calculations may be summarized in several ways. Table 2 describes respondents' average annual real taxable earnings by decade of life, computed beginning at age 20-29, and running to age 80-89. For each decade of age, average earnings are computed only to the social security taxable maximum, and only over the years in which the individual had nonzero earnings (variables 37-43). Table 2 indicates that average annual taxable earnings while age 50-59 stood at approximately \$27,700 for married men, with nonmarried men averaging about \$20,500, nonmarried women about \$14,700, and married women about \$10,600.

Table 2 also replicates the computation representing respondents' current AIME amounts (variable 5), which as noted earlier include zero earnings years as necessary in the calculation. Married men's AIME averages \$1,990, with nonmarried men close behind at about \$1,570; married women's lower earnings and fewer years of covered employment no doubt contributed to the lower average AIME of about \$640, while nonmarried women are higher at about \$840. Additional information is also provided in the EBF file regarding the twenty lowest earnings years in the AIME average, arranged in ascending order (variables 51-70; we do not display the

⁸ Earnings while age 50-59 are averaged only over possible work years in Table 2.

results of these computations since lowest earnings tend to be zero in most cases.) These variables are included primarily to allow analysts to update the AIME using survey-reported earnings for 1992 and later. In addition, analysts wishing to compute alternative AIME figures may use these lowest earnings years to recompute AIME values for other retirement dates (Office of the Actuary 1995; Myers 1993).

C. Computation of Social Security Wealth Amounts

Social security wealth variables were generated for EBF respondents for whom the AIME could be computed, and who were not currently receiving Social Security Disability Insurance (SSDI). ¹⁰ This was accomplished using the ANYPIA algorithm described above, which combines the respondentÕs AIME with the relevant formula to obtain that person's primary insurance amount, or PIA. The PIA is the monthly amount payable to a retired worker who begins to receive benefits at the normal retirement age (currently, age 65) or to a disabled worker who has never received a retirement benefit reduced for age. The 1992 formula is as follows (the "bend points" are indexed over time):

PIA = 90% of AIME up to \$387

Plus 32% of excess up to \$2333

Plus 15% of any excess above

that.

If a respondent was not eligible to receive social security benefits based on quarters of coverage through December 1991, the PIA and all social security wealth variables are set to zero (along with the spouse benefits if there was no spouse, or if the spouse was ineligible for benefits based on the respondent's earnings record).

Having computed the respondent's PIA, we then derived the social security benefits he/she and his/her

⁹ A different method of summarizing the AIME computations appears in Appendix B, which reports descriptive tabulations of linear regression coefficients for models using as dependent variables computed values of AIMEs and Primary Insurance Amounts (PIA).

¹⁰ Retirees may also qualify for other benefits including disability and Medicare payments, among others, but these are not the focus of the present analysis.

spouse (if any) could receive at the retirement ages under consideration. The rules for benefit determination specify that the PIA is the retirement benefit at the normal retirement age. Workers can also receive early retirement benefits (assuming eligibility) at age 62; under the law, early retirees receive a benefit equal to the PIA reduced by 5/9 of 1 percent or 1/180 per month of entitlement before age 65. The normal retirement benefit computations take into account the fact that the full PIA has been payable at age 65 but the normal retirement age will be gradually moved up in the future.

In addition to computing the retired worker benefits, we also derived spouse benefits if the HRS respondent had a spouse and if sufficient data were available with which to compute these. Each member of a married couple is entitled to receive social security benefits based on his/her own earnings record, and perhaps based on the spouse's PIA if such benefits would be higher. (Spouse benefits are generally equal to 50% of the worker's PIA). Specifically, dual entitlement arises if the woman's (man's) benefit computed on her (his) own earnings record is lower than that computed as a spouse. In this instance, at retirement she (he) will receive a dual benefit reflecting both her (his) own entitlement as well as an additional amount taking her/him to the level she/he is entitled to as a spouse.

To illustrate this point, suppose that a woman is married to a man who is eligible for retired worker benefits from social security based on his own work record. The wife in this case can receive 50% of his PIA as a spouse benefit if she were age 65 at retirement; if she were 62-64, her spouse benefit would be reduced by a monthly amount which comes to 8 1/3% per year she was under age 65. For the EBF complete computation, we also compute the benefits she would be entitled to based on her own work history. The computer algorithm inquires which calculation is higher, and associates with the wife the higher of the two benefit amounts. Users of the EBF file should note that the constructed spouse variables in the variable 10-29 series described in Appendix A do not distinguish between respondents projected to receive only spouse benefits, and those projected to be dually entitled. ¹¹

¹¹ So for instance, if a spouse's dual entitlement benefit is higher than the benefit she could receive based on her own earnings record, the larger benefit is entered in her husband's variable 14 (see App. A) and a zero is entered in his variable 13. In her record (assuming she is included in the EBF file), the values of her variables would be

For currently married persons, the ANYPIA code was also used to project survivor's benefits under social security rules. If an eligible worker dies, the surviving widow/er can receive up to 100 percent of the deceased worker's PIA; such benefits, reduced for early retirement, can begin as early as age 60. Remarriage after age 60 does not result in the loss of benefits.

For nonmarried persons, eligibility for survivor or other auxiliary benefits could not be determined. For example, in the event that a couple was divorced after a marriage of at least ten years, the divorced spouse would be eligible for spouse benefits; after the death of the former spouse, to surviving divorced spouse benefits.

Because the HRS did not obtain Social Security Numbers from surviving divorced former spouses in the HRS, we could not compute spouse benefits to which HRS divorced individuals might be entitled. Users of this database should therefore be alert to the possibility that social security benefits derived for divorced persons will be understated. Likewise benefits computed for persons widowed at the time of the survey recognize only prospective payments based on their own record as workers, since we cannot compute widow/er benefits to which an HRS widowed individual might be entitled. Evidence suggests the results will underestimate social security benefits and wealth of many widows and divorced women.

Having computed these various social security benefit amounts, the question arises as to the best way to summarize their value to the retiree. In the EBF file we have adopted the concept of social security wealth for this purpose, which simply refers to the present value of the social security benefit payable in the form of an

compatible with those appearing in her husband's file (i.e., her variable 11 equals his variable 14, and her variable 10 equals his variable 13).

¹² Using a different data source, the Survey of Income and Program Participation (SIPP), estimates show that a large majority of aged widows receives benefits based on her husband's earnings record. An internal SSA study found that 77.6 percent of aged widows in 1990 who were receiving social security benefits, received benefits based wholly or partially on their deceased husband's earnings record. This suggests that EBF-computed benefits data for nonmarried women will underestimate the eventual benefits that many of these women will receive, since we do not have deceased spouses' earnings records linked to the file. For divorced women the in-house study suggested that approximately 30 percent of divorcees received social security benefits either wholly or partially based on their (deceased) former husbands' earnings records. This suggests that the understatement of likely benefits may be less serious for divorced than currently widowed women.

annuity from retirement until death. Benefit values after retirement are multiplied by survival probabilities from that age forward, and discounted to 1992 by multiplying by the conditional probability of being alive at that retirement age, given that he/she is alive at his current age in 1992.

The social security wealth computation is straightforward for the case of a nonmarried respondent leaving the workforce at age 62. Mathematically, we simply sum annual benefit amounts payable from age 62 on, multiplied by the survival probability at each age, and divide by an appropriate discount rate. Age-specific mortality rates by birth cohort were supplied by the Office of the Actuary at the Social Security Administration; for the discount rate we use the interest rate profile consistent with the intermediate set of assumptions chosen by the Social Security Trustees (Board of Trustees 1995). A similar wealth value can be computed assuming the worker retires at the normal retirement age, by using the AIME and PIA computed as of that age.

Computing social security wealth for married respondents is somewhat more complex, since the system pays different benefit amounts depending on the couple's mortality experience. As long as both members of a couple survive, retired worker and/or spouse benefits can be paid. However when one of the members of the couple dies, the other may receive a survivor benefit if it exceeds the survivor's own retired-worker benefit.

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Hence the derivation of social security wealth here requires that the present value computation incorporate retiree, along with possibly spouse and survivor benefits, weighted by the probability of the different outcomes obtaining. Here too, the interest rate profile used is the one consistent with the Intermediate set of assumptions chosen by the Social Security Trustees.

An overview of the various social security variables created for the EBF file appears in Table 3. This

Table reports descriptive statistics on each respondent's Primary Insurance Amount computed in 1992 when the

HRS was first fielded based on the respondent's earnings to date, and also two projected PIA amounts using

¹³ Under current social security rules, persons receiving survivorÕs benefits are sometimes entitled to retired-worker benefits on their own record, and to higher survivor benefits based on their spouseÕs record. As noted above in the discussion of spouse benefits, these dually entitled beneficiaries are classified in the EBF simply as spouse or survivor beneficiaries.

earnings projected to the early retirement age and to the normal retirement age (variables 6-8). For married men, Table 3 indicates that the PIA based on earnings to 1992 totaled approximately \$800, rising to \$882 with earnings to the normal retirement age; levels for nonmarried men were, respectively, about \$680 and \$750. Women's PIAs are lower, rising to \$420 and \$520 at the normal retirement age for married and nonmarried women, respectively. ¹⁴

See Table 3. Descriptive Statistics on Social Security Variables in the EBF

The EBF file also supplies three total social security wealth variables. One (variable 9) reflects HRS respondents' entitlements as of 1992 ("current"), filling in future years of earnings to age 62 with zeros. The other two social security wealth values are based on the benefits receivable if the respondent continued to work until the early retirement age (variable 16), and also if he/she worked until the normal retirement age (variable 23). These values are given as household social security wealth variables in the second panel of Table 3. The present values amount to about \$170,000-180,000 for married men and women working until their normal retirement age, much more than double the values for nonmarried men and women. The fact that married persons' social security wealth is larger reflects the fact that social security retirement benefits are payable to both members of an eligible couple, as well as survivor benefits if one of the members of the couple should die. By contrast, because of data limitations, the social security wealth computation for a nonmarried individual does not include any survivor or divorced spouse benefit, though as noted above, perhaps as many as three-quarters of the widows may receive a survivor benefit over their lifetimes.

A clearer idea of the separate computations that are incorporated into a married couple's security wealth figure is also available from Table 3. Here we report the expected present value of social security retirement benefits that an eligible respondent and spouse can collect based on his/her own earnings records, the spouse's earnings records (if any), and as a survivor based on his/her partner's earnings record (if applicable). Thus for example, the wealth value for married men's "respondent" benefits as of the normal retirement age totaled

¹⁴ Social security wealth variables are also described using linear regression models in Appendix C.

approximately \$89,000, with the spouse's benefit on her own account totaling \$28,000; the figures are roughly reversed when the married women are the unit of analysis.

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These social security wealth variables will be reasonable representations of the expected future value of benefit payments in most cases, but the reader should be alert to two instances where the EBF projections may be low. ¹⁶ One case arises in the event of a widow/er whose actual future benefits will often be based on the deceased spouse's record. The HRS did not attempt to collect information on the social security numbers of deceased spouses, so for these people, earnings records for deceased spouses (and hence eventual social security survivor benefits) are not available. A second case is that of divorced persons who had been married 10 or more years prior to divorce. Under the regulations, divorced persons may file for benefits based on their former spouses' earnings history. For the purposes of the EBF file, however, we could not compute benefits based on the former spouse's earnings since these earning files were not available to us. Therefore the social security wealth variables in the EBF file may be a substantial understatement of benefits that will likely be received for nonmarried women, and specifically widows/ers and for divorced women who previously had been married for 10 or more years.

Users of the EBF file should also be alert to the point that estimated benefits and social security wealth are also likely to be low for those respondents having had Social Security disability benefits in their past. This is because during such periods, SSA protects against the loss of or the reduction in the amount of retirement insurance benefits, by providing that the period during which the person is disabled will generally be excluded

¹⁵ The higher benefit values reported for male as compared to female HRS respondents in Table 3 reflect the fact that HRS age-eligible male respondents are somewhat older on average, as compared to HRS women respondents.

¹⁶ Those already divorced or widowed at the time of the HRS survey will have benefit amounts computed based only on their own records, as noted above. No benefits are computed for those in disability benefit receipt status (or their spouses).

from determining either retirement benefits and social security wealth. 17

D. Layout of the EBF

In this section we offer an idea of the EBF layout, with the idea that a general reader may be satisfied with this description of the EBF variables along with the detailed variable list for the file supplied in Appendix A. Part II, below, provides more detailed file construction information.

The EBF contains one record for each individual in the HRS from whom a valid permission form was obtained, and who had nonzero earnings at some point in his/her career. Each person in the file is identified by a case ID, that matches the same variable in the HRS records and is the variable for linking these records to the HRS data set. ¹⁸ For individuals who were married at the time of the HRS interview, there is also a spouse ID, which is the HRS case ID of the record of the spouse. This variable has a value of 0 if there is no spouse, and a value of 99999 if there was a spouse but the spouse does not have a record in the main HRS data set. ¹⁹ All other variables are as described in Appendix A, with the caveats discussed above.

II. Technical Discussion of Algorithms and Assumptions in the EBF

This section is intended to provide additional technical details on how the EBF dataset was constructed. In addition to the case ID variables noted above, the other variables in the record are grouped into three categories and discussed in turn. These three sets of variables are: labor market attachment variables, earnings aggregates, and measures of family social security wealth.

A. Labor Market Attachment Variables

¹⁷ For each of these cases, the EBF total social security wealth variables can be modified using social security benefit files in conjunction with the earnings records.

¹⁸ The EBF can be linked only to HRS data containing no geographic detail below the Census Division level. Information about access to the restricted files is available over email from hrsquest@umich.edu.

¹⁹ This might occur if, for example, that spouse did not participate in the survey, or did not agree to permit the attachment of earnings record data to his or her file. Social security wealth variables are imputed using the hot deck procedure described in Part II.

The EBF dataset contains three groups of variables measuring labor market attachment. Variables 44 to 50 indicate the number of years by age decade that the individual reported zero earnings. These decades are the same decades used in calculating the average earnings by decade, and the same limitations apply. Specifically, only the years between 1951 and 1991, inclusive, are included. This means, for example, that an individual who is 56 years old in 1992 and who had four years of non-zero earnings and two years of zero earnings in the 1986-1991 time period will have a value of two assigned to variable 47. (Data in Table 1 correct for the fact that the number of potential years of work varies by respondent age.)

A second variable indicates the respondent's total quarters of coverage (or credits) as of year-end 1991. This is needed to establish whether the individual is presently insured under the old-age retirement program, or whether he or she may become insured on the basis of future work. The respondent's total quarters of coverage at the end of 1991 appear in variable 30. For workers attaining age 62 in 1991 or later, 40 quarters of coverage are required to be eligible for old age benefits when they retire. Researchers can update the total quarters of coverage after 1991 using the work status and earnings figures available in the HRS surveys in 1992 and later. An individual receives one quarter of coverage for each \$570 of earnings in 1992, an amount adjusted annually according to the average annual earnings index.

A third group of variables is useful for establishing whether the individual is currently insured under the disability insurance program. Whether the individual was currently insured at the end of 1991 is given by variable 31. In most cases, the individual is required to be fully insured and have 20 quarters of coverage (or credits) in the previous 10 years to be disability insured. ²¹ Variables 32-36 can be used to update the disability insurance status at two year intervals for the following ten years, again using work status and earnings figures

²⁰ A person is fully insured if he or she has at least 1 credit for each calendar year after 1950, or if later, after the year in which he or she attained age 21, and prior to the year in which he or she attains age 62 (see SSA, various years).

²¹ A person has disability insured status if he/she has at least 20 credits during a 40-quarter period ending with the quarter in which the individual is determined to be disabled; and is fully insured as well (see SSA, various years).

from the household HRS surveys in 1992 and later. For example, if an individual had 3 quarters of coverage in 1982-1983 and 18 quarters of coverage in the period 1982-1991, and if the household survey indicates that the individual had 8 quarters of coverage in 1992 and 1993, then we can infer that the individual had 23 quarters during 1984-1993 (18 plus 8 minus 3), making him or her disability insured at the end of 1993.

A final entry in the labor market variable group indicates whether the individual was receiving social security disability insurance benefits as of December 1991. This is variable 4, taking a value of 1 if the individual was receiving disability benefits as of December 1991 and a value of 0 if he or she was not on disability at that time. Unlike most of the other variables in this file, this variable comes not from the summary earnings record but from the benefits record. If the individual was collecting social security disability as of December 1991, all variables described in the next two sections (average monthly earnings, primary insurance amount, social security wealth, etc.) are all set to -9. This is because the algorithms that are used to calculate these variables for the dataset are appropriate only for old-age benefits for persons without prior entitlement to disability benefits.

Spouses of workers receiving social security disability insurance benefits are included if they are age-eligible respondents in their own right.

B. Earnings Aggregates

Variables 37 to 43 in the EBF file provide the average real taxable earnings by decade of life. These decades are age decades, not calendar decades, and run from ages 20-29 to ages 80-89. For each decade, the average is calculated using only the years in which the individual had positive earnings; years in which there were no earnings are excluded from the average. Further, these are real earnings, which means that each annual earnings amount is indexed to 1992 using the consumer price index (CPI-U). The indexing is done prior to averaging. The user is reminded that no annual earnings are available in the social security records before 1951 or after 1991. Further, only taxable earnings up to the maximum amount subject to social security taxes are available in these records, and zeros appear in the record for respondents too young to have worked the full decade.

C. Derived Social Security Retirement Benefit Variables

Social security benefits for HRS respondents are calculated in three stages. First, the Average Monthly Indexed Earnings (AIME) amount is calculated for everyone for whom — earnings data are available, using the number of years of earnings as specified in the social security law. If a respondent does not have enough positive years of earnings, zeros are filled in for the remaining years. Next, the Primary Insurance Amount (PIA) is calculated from average monthly earnings using a formula that depends on when the individual turns age 62. Finally, an adjustment factor reflecting early or late retirement is applied to the PIA to determine the benefit amount, as required.

Variable 5 lists the calculated AIME amount based on earnings through 1991, rounded to the nearest \$10; for this computation zeros are filled in for years between 1991 and the year the respondent turns age 62. This AIME figure is calculated by a program created by the Social Security Administration called ANYPIA, that incorporates the many changes that Congress has made in social security law over the years (Office of the Actuary 1995).

For the AIME computation, earnings before the age of 60 are indexed upward to age 60 by a factor calculated from SSA's average annual wage series. Earnings after age 60 enter the average on an unindexed basis. In general, for persons without current or prior disability, the number of computation years equals the years after 1950 (or age 21 if later) to age 62, excluding 5 'dropout' years. For HRS respondents who turned 60 in 1992 and before, earnings before age 60 are indexed according to the average annual wage series, and the high 35 years are averaged. For respondents who turn 60 after 1992, the indexing amount was not known in 1992. For these individuals, earnings are indexed to 1992, and the high 35 years are averaged (including zero earnings years, if any). ²²

The EBF also contains the variables necessary to update the AIME amount based on earnings in 1992 and subsequent years as reported in the household surveys, at least for those individuals who attained age 62 in

²²The average earnings computation for workers who attained age 62 prior to 1978 is computed slightly differently (see SSA, various years or the Social Security worldwide web page at www.ssa.gov).

1979 and after, and are thus governed by the indexed earnings formula (SSA, Table 2.A8). Variables 51 to 70 contain the lowest 20 years of earnings in the AIME computation, arranged from the lowest year and in ascending order. The amounts reported are indexed (and not nominal) amounts, meaning that they are indexed to age 60 if the earnings were before age 60 and the individual had reached 60 by 1992, or if the individual was under age 60 in 1992, they are indexed to 1992. The indexing rules are the same as those that are applied in computing the average indexed monthly earnings figure itself. Note that these variables may contain a number of zero amounts, which signifies that the individual thus far had positive earnings for fewer than the number of computation years. Also, this entire set of 20 variables is set equal to zero if the individual reached age 62 before 1979, in which case the monthly earnings were figured using unindexed earnings rather than indexed earnings.

To illustrate the updating process, suppose that we obtain a 1992 earnings figure from the household survey, and we want to see how this affects the AIME. First, the earnings amount is indexed to age 60 or 1992, as appropriate. Then the indexed amount is compared to the low year in the average (the figure in variable 51). If the new amount is less, then the 1992 earnings do not affect the AIME. If it is greater, then the difference, divided by 35 (or the number of computation years), is added to the AIME (variable 5). This is equivalent to substituting the 1992 figure for the low indexed amount in the average. For additional years of earnings after 1992, the process is repeated. The fact that the 20 lowest indexed earnings years are reported implies that, based on future observed earnings in the household survey, the AIME figure can be updated at least through the year 2011.

Next comes estimated primary insurance amounts (PIA), reported in variables 6-8. The PIA in variable 6 is based on earnings though 1991 and the AIME reported in variable 5. If the individual was 62 or older in 1991, the amount in variable 7 is the same as in variable 6. Otherwise, the PIA in variable 7 is based on projected earnings through age 61, with the projection method discussed later in this section. Variable 8 is similar to variable 7, except that earnings are projected through the year immediately before the normal retirement age. In calculating variable 8, it is assumed that the individual applies for benefits at the normal retirement age.

The PIA calculation is done by the ANYPIA program. The formula applied to the AIME figure is

determined by the year the individual attains 62. ²³ Those individuals who turn age 62 in or after 1978 have their PIA calculated using an AIME that depends on the year they turn 62 (variable 5). For instance, the formula for individuals who turn 62 in 1986 is 90% of the first \$297 of average indexed monthly earnings, 32% of the next \$1493, and 15% of anything beyond that. These "bend points" are indexed to the national average annual wage level, but there are always just three segments in the formula. As before, this formula gives the primary insurance amount for the year the individual turns 62, and the resulting amount is indexed upward every year by the cost of living index.

For individuals who attain 62 in or before 1992, the bend points are known (e.g. SSA 1995, Table 2.A.11), and the PIA indexed to 1992 is reported in variable 6. For individuals who attain 62 after 1992, the AIME is indexed to age 60 (if necessary) and the bend points are indexed to age 62, both using the increases in the national average annual wage index projected by the Social Security Administration. The PIA is calculated using the projected formula applied to the projected average indexed earnings, giving a PIA value that would apply to the year the individual turned 62. The resulting amount is then deflated to 1992 using the projected increases in the consumer price index. This gives the value of the primary insurance amount in 1992 dollars and is thus comparable to the amounts calculated for individuals who reach 62 in or before 1992. The assumptions used to forecast the national average annual wage and the consumer price index are the "intermediate" assumptions offered by the Office of the Actuary of the Social Security Administration and are reported in Table 4.24

See Table 4 - Wage and Inflation Projections

As mentioned before, the primary insurance amount in variable 6 is calculated solely on the basis of the earnings in years up to and including 1991 (with zeros filled in to age 62 as necessary). The amounts in variables

²³Special rules apply if the individual turned 62 before 1979 (see SSA, various years). What is reported in variable 6 is the primary insurance amount as of 1992, reflecting the cost of living increases since the individual first became eligible.

²⁴ The consumer price index is the CPI-W, or the index for urban wage earners and clerical workers.

7 and 8 project future earnings up to the year before the retirement age (early for variable 7 and normal for variable 8) in cases where the individual was under that age in 1991. The method of projecting these future earnings adopted for the present purposes is to compute for each HRS respondent a weighted average of his or her own recent earnings and to project these earnings into future years.

More specifically, earnings in the five-year period 1987-1991 are indexed to 1991 levels using the National Average Wage Index of the Social Security Administration. The indexed wages are then averaged, with the 1987 through 1991 single-year earnings given weights of 1, 2, 3, 4, and 5, respectively. This procedure thus places more weight on more recent earnings. This weighted average is then indexed upward to each year up to and including the year before the individual reaches the early (for variable 7) or normal (for variable 8) retirement age, using the National Average Wage Index found in Table 4. The resulting wage series is then used to calculate a primary insurance amount in exactly the same way as before, and the resulting values appear as variables 7 and 8.

This procedure gives reasonable results for individuals with a steady work history who are planning to work at least until age 62. However, data users must be alert to the fact that there are several cases where it may not give good results. For instance, if a woman has an intermittent work history, her earnings in the last five years may give only a very noisy indication as to her work intentions for the future years. In such a case, it is probably difficult to produce an algorithm which will give accurate projections of the course of her future earnings. Another case where the algorithm is susceptible to error is if the individual has recently retired within the last year or two. The trouble here is that it is difficult to know whether the fact that there are no earnings in the last year or two signifies a permanent retirement or a temporary interruption of employment. Thus, users are cautioned that particularly for respondents with intermittent work histories and individuals who may have recently retired, the projected primary insurance amount and the projected social security wealth variables should be regarded as being subject to substantial potential errors.

D. Computed Social Security Wealth Variables

As described above, we have computed social security wealth several different ways for the EBF dataset.

Our intention was to make these variables as comparable as possible, in conceptual terms, to the other measures of wealth reported in the HRS.

Three versions of social security wealth appear in the EBF. The first (variable 9) is the expected present value of benefits already accrued by the respondent, based on his covered earnings up to and including 1991. (This computation assumes the person would have no covered earnings between 1992 and the year he turns age 62; a zero is entered if the person would not be eligible for benefits based on this work record). The second and third wealth variables (positions 16 and 23) represent the expected present value of benefits based on a respondent's projected earnings if he/she was younger than age 62 at the time of the survey, up to the year before attaining the early or normal retirement age. These projections, described in the previous section, are carried out for all individuals and for both spouses of a married couple (with caveats to be explained below). In the case of a married couple, if one spouse was at or over the retirement age and the other was under it, the projection is done only for the spouse who was under the retirement age, and the full earnings through 1991 are used for the older spouse.

Social security wealth calculations depend on a number of assumptions. One set of assumptions has to do with mortality, since the calculation multiplies the expected benefit each year times the probability that the individual will live to collect it. In the next section we discuss the specific mortality tables used in creating the EBF file. In all cases, social security wealth calculations are discounted back to the respondent's age in 1992, taking into account the conditional survival probability of the person living to that future age, given his/her current age. Another set of assumptions has to do with the expected future paths of wages, prices and interest rates. Needless to say, there are differing opinions of the likely future course of these variables, but we have chosen to evaluate the social security wealth on the basis of the "intermediate" assumptions supplied by the Board of Trustees of the Federal Old-Age and Survivors Insurance and Disability Insurance Trust Funds (Board of Trustees 1995, p. 56). ²⁵

²⁵ The 1995 report was the latest year available at the time that these wealth variables were calculated.

The wealth calculations were handled as follows. For each nonmarried respondent, we consider each year beginning with the year 1992. For each member of a married couple, benefits are computed for each spouse separately; here we consider each year beginning with either age 60 (which is the youngest age a married individual could collect surviving spouse benefits) or the year 1992, whichever is later. For married persons, two calculations are undertaken, depending on whether the partner is or is not projected to be still living; we weight each calculation by the probabilities (as calculated from the mortality tables) that the individual is still living and the partner is either living or not, respectively. For every year in which the spouse is still living, the approach was to first ask whether that spouse is age 62 or older. If he or she was under 62 years old, that individual may only receive benefits based on his or her own earnings record. If the spouse is 62 years old or older, then we compared the benefits the retiring individual could receive on the basis of his or her own earnings with the amount that he or she could receive as a spouse based on the spouse's earnings. The individual would then be assigned the higher benefit amount. ²⁶

To determine the benefits that would be available on the basis of a respondent's own earnings history, the PIA in nominal dollars is calculated by the ANYPIA program on the basis of the earnings history. For persons older than the retirement age in 1992, we assume that they became entitled (that is, they were eligible and applied to receive benefits) in the first year that at least some benefits would have been received, but in no case later than the normal retirement age that would apply to their birth cohort. For individuals younger than the retirement age, we assume that they will first become entitled at the early retirement age of 62 (for variables 9 and 16), and at the normal retirement age (for variable 23), assuming they have sufficient quarters of coverage to be entitled to receive benefits. ²⁷ The benefit amount is then the product of the primary insurance amount times

²⁶ In generating variables 16 and 23, the individual is assumed to begin collecting benefits when he or she first applies for social security benefits. This is held to be the early retirement age for variable 16 and the normal retirement age for variable 23. In addition, the individual cannot collect spouse benefits until the spouse has applied as well, in accordance with the rules (Myers 1993).

²⁷ If a respondent was not entitled to social security benefits based on his own work record as of his age in 1992 his social security wealth benefit variable 10 would be set to zero; similarly for benefits based on work until age 62 (in which case variable 17 would be set to zero), and until the normal retirement age (and variable 24 would be

any reduction or augmentation factor that depends on the personÕs age of retirement.

In addition to benefits to which a respondent might be entitled on his or her own record, a married respondent might also be entitled to benefits as a spouse of a retired worker. Where possible, the EBF file reports these spouse benefits, calculated based on the other partner's earnings record as of the previous year by the ANYPIA program for married couples. ²⁹ The basic spouse benefit is 50% of the husband's (or wife's, as relevant) PIA. A reduction factor is then applied which is determined by when the individual would have first started collecting spouse benefits. The reduction factor, calculated monthly, totals 8.33 percentage points for each year before age 65 that the individual first collects spouse benefits; that is, the benefit is reduced by 25/36 of one percent multiplied by the number of months preceding age 65. This reduction factor is scheduled to be modified when the normal retirement age increases from its present level of 65. The spouse benefit is then 50% of the partner's PIA multiplied by the spouse reduction factor. ³⁰ For married respondents, therefore, the EBF reports a total benefit due the individual as *either* the benefit based on his/her own earnings record, or the spouse benefit based on the spouse's earnings record, whichever is higher. (As noted above, in dual entitlement cases, benefits are classified in the EBF as spouse benefits or survivor benefits as relevant; increasing numbers of women are dually entitled

zero).

²⁸ Normally, the benefit would be subject to the earnings test which may reduce benefits for those continuing to earn after receipt of benefits. The potential benefit may also be increased because of the delayed retirement credit if the individual has worked after the normal retirement age and lost some benefits to the earnings test. The earnings test does not apply after 70 years of age. Here, earnings are imputed only before 1992 or if the individual is under the retirement age; benefits are calculated only on or after 1992 and if the individual is above the retirement age. As a result the wealth program assumes no earnings in years after the individual becomes eligible for that benefit.

²⁹The data user should understand that there are some cases where spouse benefits for HRS respondents married at the time of the 1992 survey could not be computed based on the married parties' earnings records; see Section F for hot deck and missing data cases.

³⁰ In reality this benefit would be subject to earnings tests, both one based on the individual's own work and also one based on the work of the partner (since the individual cannot collect benefits in any month the partner does not also collect benefits). However, the wealth program assumes no work past the retirement age as indicated in the previous footnote.

over time).

If the worker is deceased, a widow/er may be eligible both for survivor benefits based on the earnings record of the deceased and for retired-worker benefits based on his or her own record. If the widow(er) is entitled to both, he or she is dually entitled and receives a full benefit based on his or her own record plus a partial benefit based on the deceased spouse's record. The amount of the partial benefit is the difference between the widow/er's own retired-worker benefit and the amount to which he or she is entitled as a widow/er. Because the benefit amount received in this case is equal to the higher, surviving spouse benefit, the variable is identified in Appendix A as the "surviving spouse benefit". The calculations based on the individual's own benefits are exactly the same as in the previous situation.

Unlike other social security retirement benefits, surviving spouse benefits may begin as early as age 60. For the surviving spouse calculations (variables 12, 19, and 25), there is an additional problem: these benefits may depend on when the partner died. Hence, a separate calculation is made for each possible year of death between 1992 and the year immediately before the year for which the benefits are being calculated, and the weights on the calculated amounts are proportional to the partner's mortality probability in the successive years.

For each possible year in which the retired-worker partner could have died, the calculations require several steps. First, the worker's PIA is calculated based on his/her earnings record up to the year immediately prior to death. Note that if the age at death was younger than 62, these calculations differ from the regular oldage calculations because there are fewer years in the calculation of average indexed monthly earnings. Next, if the worker was eligible for any delayed retirement credits, these are added to the primary insurance amount. If the worker died before the spouse turned 65, the PIA is subject to a reduction of 5.7% (not 5.7 percentage points) for each year the spouse collects survivor benefits before age 65. Again, the calculation of this reduction is modified when the normal retirement age rises above its current value of 65. Finally, if the spouse had applied

³¹ Variable 9 assumes no projected earnings, and the widow/er applies for benefits at age 60 (or immediately, if she/he is older than age 60). For variables 16 and 23 the widow/er is assumed to continue his/her employment status until, respectively, the early or the normal retirement age, before applying for these benefits.

for benefits, the surviving spouse benefit would be subject to a limitation that it should not be any larger than the amount payable to the worker had he/she still been alive (as long as this restriction does not lower the benefit below 82.5% of the worker's primary insurance amount).

In overview, then, for every year that a member of a married couple could collect benefits, the person is modeled as receiving either (a) benefits based on his or her own earnings record or spouse benefits (conditional on the partner being alive), or (b) benefits based on his or her own earnings record or surviving spouse benefits (conditional on the partner being deceased). As noted, those modeled as dually entitled are shown as spouse or survivor beneficiaries. Data for the partner are computed similarly. Finally, the amounts are weighted by the probabilities that the two partners will be individually and/or jointly alive, and the amounts of the two partners are added. These calculations are carried out in nominal terms of the year the benefits are to be collected, and projected using the "intermediate" assumptions regarding wage growth and consumer price index growth.

To form a wealth measure, future benefits are discounted according to the interest rate in the set of "intermediate" assumptions (Table 4), and the discounted amounts summed for all the years that either member of the couple might collect benefits. The wealth measure for unmarried individuals is similar, except that there is no partner, no spouse benefit, and no surviving spouse benefit. The wealth is simply the discounted value of the future benefits based on the individual's own earnings history. All values are reported as of the respondent's current age in 1992, discounted using conditional survival probabilities based on the respondent's current age.

In the case of married couples, there are additional components for each of these social security wealth variables (variables 10-15, 17-22, and 24-29; these variables are set to zero for nonmarried respondents). One set

³² If an individual was not eligible for own retirement benefits, his/her own worker benefits would be set to zero. In a married couple, if either spouse was receiving DI in 1991, the wealth variables for both spouses are set to -9 and the AIME and PIA are set to zero. If either partner would be projected to be eligible for benefits by the early or normal retirement age, the relevant wealth variables is positive.

³³ As noted, this will probably underestimate wealth for potentially three-quarters of the currently widowed women, and some unknown fraction of divorced women, inasmuch as we do not have their former spouse's earnings records.

of variables represents the expected present value of components of social security wealth that the respondent could collect, and others represent the expected present value of components that his or her spouse could collect. Each set of three is comprised of (a) benefits that the individual could collect on his/her own earnings record, (b) spouse benefits that the individual could collect on the basis of the partner's record, and (c) surviving spouse benefits that the individual could collect on the basis of the partner's record if that partner died.

For example, if the wife has a PIA substantially greater than twice her husband's, and if she is younger than her husband, then it is likely that variables 10, 13, 14, and 15 in her record would have positive amounts, and variables 11 and 12 would contain zeros. This is because she will collect benefits on her own account but never on her husband's account, while the husband will be dually entitled with the larger amounts received as spouse benefits and surviving spouse benefits rather than benefits based on his own account. However, since the older husband reaches retirement age before she does, he will collect benefits for a few years on his own account until she applies and he is able to collect spouse benefits. The same figures will appear on the husband's record, but the pairs of three variables will be reversed. That is, variables 10-12 will refer to benefits he is expected to collect, and variables 13-15 will refer to variables she is expected to collect.

These component quantities can be combined in different ways for different purposes. For example, if the interest is in an individual's lifetime retirement benefits, then the appropriate combination would be the sum of variables 10-12 (or alternatively variables 17-19 or 24-26). This will give the total expected value of the social security benefits that that individual is expected to collect. Alternatively, if a researcher were instead interested in retirement incentives, then variable 10 should be combined with variables 14 and 15 to give the total expected benefits based on the individual's own earnings history, assuming no change in spouse labor force behavior.

The EBF data user must be aware that in a minority of cases, the social security wealth variables computed for the EBF file are subject to potentially severe measurement problems. Two instances involve individuals who

³⁴Depending on whether the individual gives full weight to benefits that the spouse will collect after the death of the individual, the researcher may want to alter the relative weights of variable 15 and perhaps variable 14 in the sum.

were single at the time of the HRS survey but who were previously married. For such individuals, the social security wealth just described is necessarily based on their own earnings records in the EBF. However, if the individual is a widow or widower, his or her actual social security benefits might in reality be higher if they are computed based on the deceased spouse's record. ³⁵ Alternatively, if the individual had been divorced from a marriage that lasted for 10 or more years, the individual might be eligible for benefits based on the former spouse's earnings record. In neither case were the relevant records for deceased or divorced spouses obtained from the Social Security Administration. In fact, until someone files for benefits, the Social Security Administration does not necessarily know that any two people are linked.

A different measurement problem arises for persons married in 1992 who might divorce, in that spouseÕs benefits are only payable to married persons who had been married at least 10 years by the time of the divorce. Our computations for elements of social security wealth available to members of a couple assuming that they remain married at least 10 years.

Eventually, it will be possible to fine-tune these wealth measures for divorced and widowed individuals once they begin collecting benefits; for now the best that can be done is to calculate the wealth based on the respondent's own record and to note there may be understatement of benefits for widows or widowers and for divorced women who previously were married for a decade or more.

E. Mortality Data

The mortality data used in calculating the wealth variables are taken from the Social Security

Administration's actuarial projections. ³⁷ These projections contain, among other things, the estimated probability

³⁵ As noted earlier, three-quarters of aged widows with benefits received survivor benefits based on their deceased husbands' earnings records (unpublished SSA estimate).

³⁶ Widows age 60-61 who were already receiving benefits in the HRS are handled like other widows in the survey, namely their social security wealth was calculated on the basis of their own earnings even if they are already receiving benefits as widows.

³⁷ Felicitie Bell in the SSA's Office of the Actuary kindly supplied these data. A comparison of the SSA data with the 1990 Vital Statistics figures (Table 5) suggests that the lower survival rates in the Vital Statistics tables would have resulted in lower social security wealth figures than those reported here.

of survival, by sex, for each year of age up to 120 and for each birth cohort from 1900 to 1980; this time span includes all cohorts of interest for purposes of the HRS.

Summary statistics from these mortality data, reported in Table 5, indicate very strong trends in increasing life expectancy over time. The most dramatic increases in life expectancy are those at birth, but a large part of this increase comes from reduced infant mortality, which is clearly not relevant for the HRS respondents. Even so, there are projected to be non-trivial increases in life expectancy at age 25 and, perhaps more importantly, at age 65, and it is clear that the percentage of individuals living to very old ages (age 85 or 100) is going to grow very rapidly in the coming years, given recent mortality trends.

See Table 5 - Mortality Rates by Cohort

The EBF user should be aware that these mortality statistics, and the social security wealth variables calculated from them, are population averages by sex and birth cohort. These mortality data are not available separately by race, and they also do not reflect any individual differences which might make individuals perceive their own mortality probabilities to be either higher or lower. Vital Statistics mortality probabilities are calculated separately by race, but they are not projected into the future, and they are only available to age 85. Given the increasing percentage of the population, particularly women, who survive past 85, this last limitation is a matter of concern.

Our decision to employ mortality statistics furnished by the Social Security Administration is therefore a compromise. Neither these figures nor those supplied by Vital Statistics reflect all the variables — observable by individuals that might plausibly affect individuals' estimates of their own mortality probabilities. Among such factors are peoples' current health status including the presence and severity of disease, family income levels, and whether they participate in any activities or occupations which elevate the mortality risk. The construction of such individual-specific mortality tables would be a research program in itself, not one which we undertake here. Hence it should be understood that the social security wealth variables reported in the EBF are approximations.

Users exploring differences in social security wealth arising from mortality probabilities that differ according to factors other than age and sex should derive their own social security wealth variables.

F. Hot Deck Procedures

The social security variables just described are calculated for each 1992 HRS respondent for whom the HRS received an earnings record from the Social Security Administration. That is, there is a one-to-one correspondence between respondents' records in the EBF, and the earnings summary file supplied by the SSA to the Health and Retirement Survey. All of the variables except the couple's social security wealth amounts can be calculated from the respondent's own earnings record, and it does not matter whether the record for the spouse is present, or for that matter even whether the individual has a spouse.

The situation is different for a married coupleÕs social security wealth variables, since in this case it is necessary to have a record for the spouse as well. For some 1356 out of 4077 married HRS sample couples, the social security file contains a record for one spouse but not for the other.

38 This could have occurred either because the spouse did not grant permission to access the earnings record, or because a valid match to the earnings record could not be found at the Social Security Administration. In these cases, for the missing spouse record, we substituted an actual earnings record from another respondent with the same sex and similar levels of earnings and labor force attachment.

39 This procedure is known as "hot-decking" in the survey literature. We emphasize that in such cases, there is only one record in the summary social security variables file; we did not create a record for the "hot-decked" or missing spouse's earnings history. Rather, this hot deck record was used only to impute the family social security wealth variables for the respondent for whom we did receive a social

³⁸ Some of those without an earnings record had never worked for pay in covered employment. Of the 1356 spouses without social security records for instance, 614 were women.

³⁹ If there were no records which matched exactly the five categories, adjacent cells were searched until a match was found. Adjacent earnings cells were searched first, followed by adjacent age cells and adjacent experience cells. In no case was it necessary to vary earnings, age, and experience by more than one category to find a match. Also, in no case was male record substituted for a female or vice versa, or a record for someone not working in 1992 substituted for someone working or vice versa.

security earnings record. (It will be recalled that respondents surveyed by the HRS, who were outside the HRS age range of 51-61 in 1992, appear in the HRS by virtue of being married to age-eligible spouses. The EBF contains records only for age-eligible respondents, as noted above, though family social security wealth computations include benefit estimates for age-ineligible spouses).

For the hot deck procedure, we relied on all the earning records received from the Social Security

Administration. Each non-missing record was assigned to a single cell in a five-way classification table, based on the information the respondent gave in the household survey. The table was chosen to reflect the five variables that we believed were closely associated with different levels of average monthly earnings and, therefore, potential benefit amounts. These five variables are: sex (male or female), work status at the time of the 1992 interview (working or not working), 12 categories of age in 1992, 26 categories of annual earnings, and 6 categories of observed work experience. ⁴⁰ For individuals who were working at the time of the 1992 interview, annual earnings are taken as the reported earnings for the calendar year 1991, while if the individual was not working at the time of the 1992 interview, annual earnings are calculated from the wage (which could be given as an amount per hour, per week, per month, or annual) in the last job. Total observed experience is the sum of the tenures in the current job in 1992 (if employed at the time), the last job (if not employed at the time), and up to three previous jobs that lasted for more than 5 years. ⁴¹

The rationale for the earnings and experience variables is fairly clear: since the average monthly earnings figure in the social security calculations depends on the average earnings and the number of years the individuals have been in covered employment, it is important to take this information into account when matching. Age is

⁴⁰ The age categories used were five years in width for ages between 25 and 74. Individuals 24 years old and younger were grouped into a single category, as were people 75 years and older. The earnings categories are \$2,000 wide between \$0 and \$24,000, \$3,000 wide up to \$42,000, \$4,000 wide up to \$50,000, \$5,000 wide up to \$60,000 and \$10,000 wide up to \$100,000. Earnings over \$100,000 were grouped into a single cell, since this is considerably above the social security taxable maximum. The experience categories are 0-5, 6-10, 11-20, 21-30, 31-40, and 41+ years.

⁴¹ The HRS did not ask respondents directly about the total number of years they had been employed in all jobs, so experience must be proxied by the total experience in jobs reported in the survey.

important in considering whether a given number of years of experience represents a large or moderate percentage of the number of years of eventual experience when the individual retires. Also, sex is important if it is likely that participation patterns vary considerably between men and women, even for those with similar earnings. Finally, it probably makes a considerable difference, especially for the projected wealth variable, whether the individual is or is not currently working. The projected earnings of a married women who has worked in the past but who is not currently working may well be quite different from those of a married women with a same average earnings but who is continuing to work.

Having grouped all available earnings records into this five-way table, the records were then randomized within each cell of the table. Since there are 7,488 potential cells in the table, and we have 8,394 earnings records, each cell has on average a little more than one record. Then, when we have an individual with a social security earnings record but no matched record for the spouse, we select a "donor" HRS household file to construct the gender, 1992 work status, wage, and experience variables for the spouse, and use a randomly chosen record from the same age-gender-work status-wage-experience cell to represent the spouse's missing record. When necessary, the wage, experience, and/or age cells are broadened until a match is found. Again, this matched record is used only to construct measures of family social security wealth for those individuals for whom we do have an actual earnings record.

III. Conclusion

Researchers using the Health and Retirement Survey require information on earnings, labor market attachment, and social security benefits, in order to better understand the factors affecting both the retirement decision and well-being in old age. It is anticipated that analysts will find the aggregated variables in the restricted Earnings and Benefits File to be of substantial use toward this end. It is expected that the average user will be able to use these created variables as they are; other analysts will desire to combine these variables along with their own algorithms to derive alternate outcomes.

The Earnings and Benefits File, along with full documentation and datafiles from the Health and

Retirement Survey, is a restricted file available from the University of Michigan's Institute for Survey Research under a series of limited data access conditions. It can be merged only with versions of the HRS that contain no geographic detail below the Census Division level. Queries regarding the HRS and the EBF should be directed by e-mail to hrsquest@umich.edu.

Bibliography

Ballantyne, Harry C., "Present Policies and Methods Regarding the Long-Term Adjustment of Benefits", Security Bulletin, 47(10), October 1984.

Board of Trustees of the Federal Old-Age and Survivors Insurance and Disability Insurance Trust Funds: 1995

Annual Report. Washington, D.C.: U.S. Government Printing Office, 1995.

Bondar, Joseph, "How to Compute a Retired-Worker Benefit", <u>Social Security Bulletin</u>, 58(1), Spring 1995. (See also pp. 48-51, <u>Annual Statistical Supplement 1995</u>.)

Fields, Gary S. and Mitchell, Olivia S. Retirement, Pensions and Social Security. Cambridge: MIT Press, 1984.

Gustman, Alan L. and Mitchell, Olivia S. "Pensions and the Labor Market: Behavior and Data Requirements", in <u>Pensions and the U.S. Economy: The Need for Good Data</u>. Ed. Z. Bodie and A. Munnell. Philadelphia, Pa: Pension Research Council and University of Pennsylvania Press, 1992, pp. 39-87.

Gustman, Alan. L. and Steinmeier, Thomas L. "A Structural Retirement Model," <u>Econometrica</u>, May, 1986, 54(3), pp. 555-584.

Gustman, Alan, Olivia S. Mitchell and Thomas Steinmeier. "Retirement Research Using the Health and Retirement Survey". <u>Journal of Human Resources</u> (1995).

Hurd, Michael D. "The Joint Retirement Decision Of Husbands And Wives", in <u>Aging.</u> Ed. D. Wise. Chicago: University of Chicago Press, 1990, pp. 231-254.

Hurd, Michael D. "Research On The Elderly: Economic Status, Retirement, and Consumption and Saving", <u>Journal of Economic Literature</u>, June 1990, 28(2), pp. 565-637.

Leonesio, Michael, "Social Security and Older Workers", Social Security Bulletin, 56(2), Summer 1993.

Lingg, Barbara A., "Women Beneficiaries Aged 62 or Older, 1960-88, <u>Social Security Bulletin</u>, 53(7), July 1990. (For updated data, see Tables 5.A14 and 5.A15 in the <u>Annual Statistical Supplement, 1995</u> to the <u>Social Security</u> Bulletin).

Mitchell, Olivia S. "Social Security Reforms and Poverty Among Dual-Earner Couples." <u>Journal of Population</u> <u>Economics</u> 4, (1991): 281-293.

Myers, Robert. <u>Social Security</u>. Pension Research Council and University of Pennsylvania Press: Philadelphia, 1993.

Nelson Jr., William J., "Disability Trends in the United States: A National and Regional Perspective", <u>Social Security Bulletin</u>, 57(3), Fall 1994.

Office of the Actuary, <u>Users Guide for PIA Calculation Program, Version 1995.1</u>, Social Security Administration, US Department of Health and Human Services, Publication #11-11501, 1995.

Pozzebon, Silvana and Mitchell, Olivia S. "Married Women's Retirement Behavior", "<u>Journal of Population</u> <u>Economics</u>, 2(1), 1989. pp. 301-53.

Quinn, Joseph F., Burkhauser, Richard V., and Myers, Daniel A. <u>Passing The Torch: The Influence of Economic Incentives on Work and Retirement</u>. Kalamazoo: W.E. Upjohn Institute, 1990.

Social Security Administration (SSA), <u>Annual Statistical Supplement to the Social Security Bulletin</u>, US Department of Health and Human Services, Social Security Administration, various years.

"Social Security Programs in the United States", Social Security Bulletin, 56(4), Winter 1993.

Steuerle, C. Eugene and Jon M. Bakija, Retooling Social Security for the 21st Century, The Urban Institute, 1994.

Thompson, Lawrence H. "The Social Security Reform Debate", <u>Journal of Economic Literature</u>, December 1983, 21(4), pp. 1425-1467.

US Department of Health and Human Services, <u>SSA's Retirement History Survey: Compilation of Reports</u>, September 1987.

Construction of the Earnings and Benefits File (EBF) for Use With the Health and Retirement Survey

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Construction of the Earnings and Benefits File (EBF) for Use With the Health and Retirement Survey

Abstract

Analysts using the Health and Retirement Survey (HRS) often require information on earnings, labor market attachment, and social security benefits, in order to better understand the factors affecting retirement and well-being at older ages. To this end, several derived variables were constructed and documented in the Earnings and Benefits File (EBF) described here. The EBF provides a set of summary earnings, employment, and social security wealth measures for a subset of HRS respondents in Wave 1 of the survey, for whom administrative records are available.

The EBF, a restricted data file, is available from the University of Michigan's Institute for Social Research for matching with only with versions of the HRS containing geographic detail no finer than the Census Division level. Interested users should contact hrsquest@umich.edu by email for further information on access to the data.

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Table 1. Descriptive Statistics on EBI	F Covered Employment Variables
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•	Mean	Std. Dev.	
I. Fraction of years by deca	de with zero	reported earnings	(%)
Married Men			
Age 20-29	15.43	24.80	
Age 30-39	10.16	24.84	
Age 40-49	12.44	27.63	
Age 50-59	12.06	25.66	
Married Women			
Age 20-29	52.44	33.12	
Age 30-39	52.96	37.61	
Age 40-49	39.42	39.85	
Age 50-59	28.68	34.60	
Nonmarried men			
Age 20-29	15.62	24.99	
Age 30-39	13.91	27.58	
Age 40-49	20.88	33.14	
Age 50-59	20.53	32.14	
Nonmarried women			
Age 20-29	47.67	34.71	
Age 30-39	39.95	37.41	
Age 40-49	29.30	37.39	
Age 50-59	20.33	31.29	
II. Work in Covered Emplo	yment		
Married Men			
Total QC's (#)	125.00	34.90	
QC 1982-83(#)	7.40	2.73	
QC 1984-85(#)	6.90	2.78	
QC 1986-87(#)	6.71	2.78	
QC 1988-89(#)	6.69	2.79	
QC 1990-91(#)	6.60	32.85	
Yrs. Cov. Employment			
Age 20-50	26.20	6.37	
Married Women			
Total QC's (#)	71.65	41.88	
QC 1982-83(#)	4.50	3.78	
QC 1984-85(#)	4.62	3.71	
QC 1986-87(#)	4.78	3.70	
QC 1988-89(#)	4.81	3.70	
QC 1990-91(#)	4.72	3.73	
Yrs. Cov. Employment			
Age 20-50	15.52	8.48	
Nonmarried Men			
Total QC's (#)	114.71	38.42	

QC 1982-83(#)	5.83	3.32
QC 1984-85(#)	5.90	3.36
QC 1986-87(#)	5.90	3.29
QC 1988-89(#)	5.79	3.37
QC 1990-91(#)	5.75	3.38
Yrs. Cov. Employment		
Age 20-50	24.96	6.95

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	<u>Mean</u>	Std. Dev.
Nonmarried Women		
Total QC's (#)	85.11	44.43
QC 1982-83(#)	5.40	3.55
QC 1984-85(#)	5.48	3.49
QC 1986-87(#)	5.64	3.46
QC 1988-89(#)	5.76	3.38
QC 1990-91(#)	5.74	3.41
Yrs. Cov. Employment		
Age 20-50	18.31	8.67
C. Disability Insured	as of 12/91 (%)	
Married Men	84	
Married Women	59	
Nonmarried Men	75	
Nonmarried Women	72	

Note: Number of observations reported as Sample 2 in Appendix D. All tabulations weighted by HRS sample weights.

Table 2. Descriptive Statistics on Earnings Variables in the EBF

	0	DI			
al Taxable Earni	ngs by Decade of Life	(\$)			
14544	5974				
23929	9280				
28823	14095				
27692	18084				
6566	5412				
7407	7625				
10484	10145				
10578	12170				
12551	6334				
20538	10282				
22070	14755				
20476	17869				
6450	5556				
9613	8532				
13511	11491				
14692	13639				
II. Average Indexed Monthly Earnings (\$)					
1992	858				
641	585				
1567	895				
838	703				
	Mean Pal Taxable Earni 14544 23929 28823 27692 6566 7407 10484 10578 12551 20538 22070 20476 6450 9613 13511 14692 Monthly Earnings 1992 641 1567	14544 5974 23929 9280 28823 14095 27692 18084 6566 5412 7407 7625 10484 10145 10578 12170 12551 6334 20538 10282 22070 14755 20476 17869 6450 5556 9613 8532 13511 11491 14692 13639 Monthly Earnings (\$) 1992 858 641 585 1567 895			

Note: Number of observations reported as Sample 2 in Appendix D. In Panel I earnings are included only up to the Social Security taxable maximum earnings and averages computed only over those with at least one nonzero earnings year using years over which there were positive earnings. For the group age 50-59, average earnings are computed only over relevant years. In Panel II zero years of earnings are included in AIME formula as relevant; see text.

Table 3. Descriptive Statistics on Social Security Variables in the EBF

	Mean	Std. Dev.
I. Respondent's Average Primary	Insurance Amount	t (1992\$)
Married Men		
Based on		
Earnings through 1991	808	277
Earnings to early ret. age	866	295
Earnings to normal ret. age	882	304
Married Women		
Based on		
Earnings through 1991	337	268
Earnings to early ret. age	396	298
Earnings to normal ret. age	423	316
Nonmarried Men		
Based on		
Based on earnings through 1991	677	306
Earnings to early ret. age	732	335
Earnings to normal ret. age	754	347
Nonmarried Women		
Based on		
Based on earnings through 1991	419	291
Earnings to early ret. age	487	320
Earnings to normal ret. age	518	337
II. Social Security Wealth Foreca	sts (Present value,	1992\$)
Married Men (Couple's benefits)		
As of 1992	148198	47263
As of early ret. age	161641	47559
As of normal ret. age	175457	50818
Married Women (Couple's benefit	ts)	
As of 1992	161780	51001
As of early ret. age	170994	50003
As of normal ret. age	187650	55284
Nonmarried Men*		
Current	67777	31436
As of early ret. age	72942	33383
As of normal ret. age	75761	34643
Nonmarried Women*		
As of 1992	50678	35826
As of early ret. age	58474	38265
As of normal ret. age	64644	41749

Table 3 (cont.) Mean Std. Dev.

B. Components of Social Security Wealth Forecasts for Married Couples (Present value, 1992\$)

Mar	ried	Men	
_	_	_	

Married Men		
Based on Earnings Through 19	991	
Respondent's own	80804	30351
Respondent's spouse	486	3268
Respondent's surv. sps.	902	3197
Spouse's own	19258	26207
Spouse's spouse	14709	15776
Spouse's surv. sps.	32039	14602
Based on Earnings To Early Re	etirement Age	
Respondent's own	85832	31275
Respondent's spouse	646	3897
Respondent's surv. sps.	1383	3936
Spouse's own	26507	31511
Spouse's spouse	14197	16696
Spouse's surv. sps.	33077	16435
Based on Earnings To Normal	Retirement Age	
Respondent's own	88808	32346
Respondent's spouse	729	4242
Respondent's surv. sps.	1852	5144
Spouse's own	27854	34906
Spouse's spouse	14923	17419
Spouse's surv. sps.	41291	21566
Married Women		
Based on Earnings Through 19	991	
Respondent's own	22535	28754
Respondent's spouse	16344	16803
Respondent's surv. sps.	34719	17723
Spouse's own	86565	33902
Spouse's spouse	682	3896
Spouse's surv. sps.	936	3033
Based on Earnings To Early Re	etirement Age	
Respondent's own	27373	32588
Respondent's spouse	15941	17513
Respondent's surv. sps.	35757	18372
Spouse's own	89923	33693
Spouse's spouse	778	4311
Spouse's surv. sps.	1220	3626
Based on Earnings To Normal	Retirement Age	
Respondent's own	28613	35933
Respondent's spouse	16931	18194
Respondent's surv. sps.	43451	22374
Spouse's own	96150	37963
Spouse's spouse	785	4276

Spouse's surv. sps. 1721 4914

Note: Number of observations reported as Sample 3 in Appendix D.

*Wealth values for nonmarried persons are based on respondent's own earnings records, and underestimate benefits available as survivors (for widows/ers) and divorced spouses (if the marriage lasted 10 years prior to divorce); see text.

Table 4. Wage and Inflation Projections

Projected Annual Changes in

	Average Annual	Consumer
	Wage in Covered	Price
<u>Year</u>	Employment	<u>Index</u>
1993	1.3%	2.8
1994	3.5	2.5
1995	4.0	3.1
1996	4.1	3.2
1997	4.3	3.3
1998	4.1	3.4
1999	4.2	3.5
2000	4.5	3.7
2001	4.7	3.9
2002	4.8	4.0
2003	4.9	4.0
2004-2010	5.1	4.0
2011+	5.0	4.0

Source: Board of Trustees (1995), Table II. D1.

Table 5. Longevity Patterns Over Time

				В	arth Coho	rt			
	<u>1900</u>	<u>1910</u>	<u>1920</u>	<u>1930</u>	<u>1940</u>	<u>1950</u>	<u>1960</u>	<u>1970</u>	1980
Life Expectancies									
At birth: Men	52.0	56.7	62.3	66.6	69.7	72.3	73.4	74.8	76.2
Women	58.8	64.4	70.2	73.9	76.8	79.4	80.4	81.7	82.9
At age 25: Men	68.8	70.7	72.8	74.4	75.8	76.6	77.1	77.8	78.4
Women	75.1	77.8	79.5	80.6	81.6	82.5	83.2	83.8	84.4
At age 65: Men	79.0	79.8	80.8	81.4	81.9	82.3	82.8	83.2	83.6
Women	83.5	84.4	84.9	85.4	85.8	86.2	86.7	87.1	87.5
Survival Rates from									
Birth to 65: Men	46.7	52.4	60.2	66.8	72.2	75.6	77.1	79.0	80.7
Women	57.8	65.3	72.7	77.7	81.5	84.6	85.9	87.2	88.4
Birth to 85: Men	11.0	14.1	18.6	22.3	25.6	28.3	30.3	32.5	34.6
Women	25.5	31.3	36.7	40.5	43.8	47.0	49.1	51.2	53.1
Birth to 100:Men	0.2	0.3	0.5	0.7	1.0	1.3	1.7	2.0	2.5
Women	1.3	1.8	2.5	3.2	4.1	5.1	6.0	7.1	8.2

Source: Computed by authors using data supplied by the Office of the Actuary, Social Security Administration.

Appendix A: Variable List for the Earnings and Benefit File (EBF)See text for full description of all variables listed below.

Variable	Beginning		
<u>Number</u>	<u>Column</u>	<u>Length</u>	<u>Variable Name</u>
1	1	5	Case ID
2	7	5	Spouse ID (=0 if no spouse,=99999 if no HRS data
2	,	3	record for spouse)
3	13	5	Hot deck ID (=0 if not married or spouse has social security record, 99999 if spouse was not interviewed)
4	19	1	Disability insurance benefits code (=1 if in benefit receipt, 0= else)
5 ^a	21	5	Average indexed monthly earnings (\$)
6 a	27	5	Primary insurance amount, earnings to 1991(\$)
7 a	33	5	Projected primary insurance amount, earnings to age 62 (\$)
8 a	39	5	Projected primary insurance amount, earnings to NRA (\$)
9 ^b	45	6	Current individual or couple social security wealth (\$)
10 ^b	52	6	Respondent's own benefit (\$)
11 ^b	59	6	Respondent's spouse benefit (\$ including dual)
12 ^b	66	6	Respondent's surviving spouse benefit (\$ including dual)
13 ^b	73	6	Spouse's own benefit (\$)
14 ^b	80	6	Spouse's spouse benefit (\$ including dual)
15 ^b	87	6	Spouse's surviving spouse benefit (\$ including dual)
16 ^b	94	6	Projected individual/couple social security wealth; age 62 (\$)
17 ^b	101	6	Respondent's own benefit (\$)
18 ^b	108	6	Respondent's spouse benefit (\$ including dual)
19 ^b	115	6	Respondent's surviving spouse benefit (\$ including dual)
20 b	122	6	Spouse's own benefit (\$)
21 ^b	129	6	Spouse's spouse benefit (\$ including dual)
22 ^b	136	6	Spouse's surviving spouse benefit (\$ including dual)
23 b	143	6	Projected individual/couple social security wealth; NRA (\$)
24 ^b	150	6	Respondent's own benefit (\$)
25 b	157	6	Respondent's spouse benefit (\$ including dual)
26 ^b	164	6	Respondent's surviving spouse benefit (\$ including dual)
27 ^b	171	6	Spouse's own benefit (\$)
28^{b}	178	6	Spouse's spouse benefit (\$ including dual)
29 ^b	185	6	Spouse's surviving spouse benefit (\$ including dual)
30	192	3	Total quarters of coverage (through 1991)
31	196	1	Social security disability insurance status in 1991 (=1 disability insured, 0 = not)

33 200 1 Number of nonzero quarters of coverage 1984-85 34 202 1 Number of nonzero quarters of coverage 1986-87 35 204 1 Number of nonzero quarters of coverage 1988-89 36 206 1 Number of nonzero quarters of coverage 1990-91 37° 208 6 Aver. taxable real earnings, age 20 through 29 (\$) 38° 215 6 Aver. taxable real earnings, age 30 through 39 (\$) 39° 222 6 Aver. taxable real earnings, age 40 through 49 (\$) 40° 229 6 Aver. taxable real earnings, age 50 through 59 (\$) 41° 236 6 Aver. taxable real earnings, age 60 through 69 (\$) 42° 243 6 Aver. taxable real earnings, age 70 through 79 (\$) 43° 250 6 Aver. taxable real earnings, age 80 through 89 (\$) 44° 257 2 Zero earnings years, age 20 through 29 45° 260 2 Zero earnings years, age 30 through 39 46° 263 2 Zero earnings years, age 50 through 59 48° <th>32</th> <th>198</th> <th>1</th> <th>Number of nonzero quarters of coverage 1982-83</th>	32	198	1	Number of nonzero quarters of coverage 1982-83
35 204 1 Number of nonzero quarters of coverage 1988-89 36 206 1 Number of nonzero quarters of coverage 1990-91 37° 208 6 Aver. taxable real earnings, age 20 through 29 (\$) 38° 215 6 Aver. taxable real earnings, age 30 through 39 (\$) 39° 222 6 Aver. taxable real earnings, age 40 through 49 (\$) 40° 229 6 Aver. taxable real earnings, age 50 through 59 (\$) 41° 236 6 Aver. taxable real earnings, age 60 through 69 (\$) 42° 243 6 Aver. taxable real earnings, age 70 through 79 (\$) 43° 250 6 Aver. taxable real earnings, age 80 through 89 (\$) 44° 257 2 Zero earnings years, age 20 through 29 45° 260 2 Zero earnings years, age 30 through 39 46° 263 2 Zero earnings years, age 40 through 49 47° 266 2 Zero earnings years, age 50 through 59 48° 269 2 Zero earnings years, age 60 through 79 50°	33	200	1	Number of nonzero quarters of coverage 1984-85
Number of nonzero quarters of coverage 1990-91 37° 208 6 Aver. taxable real earnings, age 20 through 29 (\$) 38° 215 6 Aver. taxable real earnings, age 30 through 39 (\$) 39° 222 6 Aver. taxable real earnings, age 40 through 49 (\$) 40° 229 6 Aver. taxable real earnings, age 50 through 59 (\$) 41° 236 6 Aver. taxable real earnings, age 60 through 69 (\$) 42° 243 6 Aver. taxable real earnings, age 70 through 79 (\$) 43° 250 6 Aver. taxable real earnings, age 80 through 89 (\$) 44° 257 2 Zero earnings years, age 20 through 29 45° 260 2 Zero earnings years, age 30 through 39 46° 263 2 Zero earnings years, age 40 through 49 47° 266 2 Zero earnings years, age 50 through 59 48° 269 2 Zero earnings years, age 60 through 69 49° 272 2 Zero earnings years, age 60 through 69 49° 275 2 Zero earnings years, age 70 through 79 50° 275 2 Zero earnings years, age 80 through 89 51° 278 6 Lowest earnings year in AIME average 52° 285 6 Next lowest earnings year in AIME average 53° 292 6 Third lowest earnings year in AIME average	34	202	1	Number of nonzero quarters of coverage 1986-87
37° 208 6 Aver. taxable real earnings, age 20 through 29 (\$) 38° 215 6 Aver. taxable real earnings, age 30 through 39 (\$) 39° 222 6 Aver. taxable real earnings, age 40 through 49 (\$) 40° 229 6 Aver. taxable real earnings, age 50 through 59 (\$) 41° 236 6 Aver. taxable real earnings, age 60 through 69 (\$) 42° 243 6 Aver. taxable real earnings, age 60 through 79 (\$) 43° 250 6 Aver. taxable real earnings, age 80 through 89 (\$) 44° 257 2 Zero earnings years, age 20 through 29 45° 260 2 Zero earnings years, age 30 through 39 46° 263 2 Zero earnings years, age 30 through 49 47° 266 2 Zero earnings years, age 50 through 59 48° 269 2 Zero earnings years, age 60 through 69 49° 272 2 Zero earnings years, age 60 through 79 50° 275 2 Zero earnings years, age 80 through 79 50° 275 2 Zero earnings years, age 80 through 89 51° 278 6 Lowest earnings year in AIME average 52° 285 6 Next lowest earnings year in AIME average 53° 292 6 Third lowest earnings year in AIME average	35	204	1	Number of nonzero quarters of coverage 1988-89
38° 215 6 Aver. taxable real earnings, age 30 through 39 (\$) 39° 222 6 Aver. taxable real earnings, age 40 through 49 (\$) 40° 229 6 Aver. taxable real earnings, age 50 through 59 (\$) 41° 236 6 Aver. taxable real earnings, age 60 through 69 (\$) 42° 243 6 Aver. taxable real earnings, age 70 through 79 (\$) 43° 250 6 Aver. taxable real earnings, age 80 through 89 (\$) 44° 257 2 Zero earnings years, age 20 through 29 45° 260 2 Zero earnings years, age 30 through 39 46° 263 2 Zero earnings years, age 40 through 49 47° 266 2 Zero earnings years, age 50 through 59 48° 269 2 Zero earnings years, age 60 through 69 49° 272 2 Zero earnings years, age 80 through 89 51° 275 2 Zero earnings year in AIME average 52° 285 6 Next lowest earnings year in AIME average 53° 292 6 Third lowest earnings year in AIME average	36	206	1	Number of nonzero quarters of coverage 1990-91
39° 222 6 Aver. taxable real earnings, age 40 through 49 (\$) 40° 229 6 Aver. taxable real earnings, age 50 through 59 (\$) 41° 236 6 Aver. taxable real earnings, age 60 through 69 (\$) 42° 243 6 Aver. taxable real earnings, age 70 through 79 (\$) 43° 250 6 Aver. taxable real earnings, age 80 through 89 (\$) 44° 257 2 Zero earnings years, age 20 through 29 45° 260 2 Zero earnings years, age 30 through 39 46° 263 2 Zero earnings years, age 40 through 49 47° 266 2 Zero earnings years, age 50 through 59 48° 269 2 Zero earnings years, age 60 through 69 49° 272 2 Zero earnings years, age 70 through 79 50° 275 2 Zero earnings years, age 80 through 89 51 d 278 6 Lowest earnings year in AIME average 52 d 285 6 Next lowest earnings year in AIME average 53 d 292 6 Third lowest earnings year in AIME average	37 °	208	6	Aver. taxable real earnings, age 20 through 29 (\$)
40° 229 6 Aver. taxable real earnings, age 50 through 59 (\$) 41° 236 6 Aver. taxable real earnings, age 60 through 69 (\$) 42° 243 6 Aver. taxable real earnings, age 70 through 79 (\$) 43° 250 6 Aver. taxable real earnings, age 80 through 89 (\$) 44° 257 2 Zero earnings years, age 20 through 29 45° 260 2 Zero earnings years, age 30 through 39 46° 263 2 Zero earnings years, age 40 through 49 47° 266 2 Zero earnings years, age 50 through 59 48° 269 2 Zero earnings years, age 60 through 69 49° 272 2 Zero earnings years, age 70 through 79 50° 275 2 Zero earnings years, age 80 through 89 51 d 278 6 Lowest earnings year in AIME average 52 d 285 6 Next lowest earnings year in AIME average 53 d 292 6 Third lowest earnings year in AIME average	38 °	215	6	Aver. taxable real earnings, age 30 through 39 (\$)
41 ° 236 6 Aver. taxable real earnings, age 60 through 69 (\$) 42 ° 243 6 Aver. taxable real earnings, age 70 through 79 (\$) 43 ° 250 6 Aver. taxable real earnings, age 80 through 89 (\$) 44 ° 257 2 Zero earnings years, age 20 through 29 45 ° 260 2 Zero earnings years, age 30 through 39 46 ° 263 2 Zero earnings years, age 40 through 49 47 ° 266 2 Zero earnings years, age 50 through 59 48 ° 269 2 Zero earnings years, age 60 through 69 49 ° 272 2 Zero earnings years, age 60 through 79 50 ° 275 2 Zero earnings years, age 80 through 89 51 d 278 6 Lowest earnings year in AIME average 52 d 285 6 Next lowest earnings year in AIME average 53 d 292 6 Third lowest earnings year in AIME average 53 d 292 6 Third lowest earnings year in AIME average	39°	222	6	Aver. taxable real earnings, age 40 through 49 (\$)
42 ° 243 6 Aver. taxable real earnings, age 70 through 79 (\$) 43 ° 250 6 Aver. taxable real earnings, age 80 through 89 (\$) 44 ° 257 2 Zero earnings years, age 20 through 29 45 ° 260 2 Zero earnings years, age 30 through 39 46 ° 263 2 Zero earnings years, age 40 through 49 47 ° 266 2 Zero earnings years, age 50 through 59 48 ° 269 2 Zero earnings years, age 60 through 69 49 ° 272 2 Zero earnings years, age 70 through 79 50 ° 275 2 Zero earnings years, age 80 through 89 51 d 278 6 Lowest earnings year in AIME average 52 d 285 6 Next lowest earnings year in AIME average 53 d 292 6 Third lowest earnings year in AIME average	40 °	229	6	Aver. taxable real earnings, age 50 through 59 (\$)
43° 250 6 Aver. taxable real earnings, age 80 through 89 (\$) 44° 257 2 Zero earnings years, age 20 through 29 45° 260 2 Zero earnings years, age 30 through 39 46° 263 2 Zero earnings years, age 40 through 49 47° 266 2 Zero earnings years, age 50 through 59 48° 269 2 Zero earnings years, age 60 through 69 49° 272 2 Zero earnings years, age 70 through 79 50° 275 2 Zero earnings years, age 80 through 89 51 d 278 6 Lowest earnings year in AIME average 52 d 285 6 Next lowest earnings year in AIME average 53 d 292 6 Third lowest earnings year in AIME average	41 °	236	6	Aver. taxable real earnings, age 60 through 69 (\$)
257 2 Zero earnings years, age 20 through 29 45 c 260 2 Zero earnings years, age 30 through 39 46 c 263 2 Zero earnings years, age 40 through 49 47 c 266 2 Zero earnings years, age 50 through 59 48 c 269 2 Zero earnings years, age 60 through 69 49 c 272 2 Zero earnings years, age 70 through 79 50 c 275 2 Zero earnings years, age 80 through 89 51 d 278 6 Lowest earnings year in AIME average 52 d 285 6 Next lowest earnings year in AIME average 53 d 292 6 Third lowest earnings year in AIME average	42 °	243	6	Aver. taxable real earnings, age 70 through 79 (\$)
2 Zero earnings years, age 30 through 39 2 Zero earnings years, age 40 through 49 2 Zero earnings years, age 50 through 59 2 Zero earnings years, age 50 through 69 2 Zero earnings years, age 60 through 69 2 Zero earnings years, age 70 through 79 2 Zero earnings years, age 80 through 89 2 Zero earnings years, age 80 through 89 3 Zero earnings years, age 80 through 89 3 Zero earnings year in AIME average 3 Next lowest earnings year in AIME average 3 Next lowest earnings year in AIME average 3 Third lowest earnings year in AIME average 3 Third lowest earnings year in AIME average	43 °	250	6	Aver. taxable real earnings, age 80 through 89 (\$)
263 2 Zero earnings years, age 40 through 49 47 266 2 Zero earnings years, age 50 through 59 48 269 2 Zero earnings years, age 60 through 69 49 272 2 Zero earnings years, age 70 through 79 50 275 2 Zero earnings years, age 80 through 89 51 4 278 6 Lowest earnings year in AIME average 52 4 285 6 Next lowest earnings year in AIME average 53 4 292 6 Third lowest earnings year in AIME average	44 ^c	257	2	Zero earnings years, age 20 through 29
47 ° 266 2 Zero earnings years, age 50 through 59 48 ° 269 2 Zero earnings years, age 60 through 69 49 ° 272 2 Zero earnings years, age 70 through 79 50 ° 275 2 Zero earnings years, age 80 through 89 51 d 278 6 Lowest earnings year in AIME average 52 d 285 6 Next lowest earnings year in AIME average 53 d 292 6 Third lowest earnings year in AIME average	45 °	260	2	Zero earnings years, age 30 through 39
2 Zero earnings years, age 60 through 69 2 72 Zero earnings years, age 70 through 79 50 275 Zero earnings years, age 80 through 89 51 278 6 Lowest earnings year in AIME average 52 285 6 Next lowest earnings year in AIME average 53 292 6 Third lowest earnings year in AIME average	46 °	263	2	Zero earnings years, age 40 through 49
49 ° 272 2 Zero earnings years, age 70 through 79 50 ° 275 2 Zero earnings years, age 80 through 89 51 d 278 6 Lowest earnings year in AIME average 52 d 285 6 Next lowest earnings year in AIME average 53 d 292 6 Third lowest earnings year in AIME average	47 °	266	2	Zero earnings years, age 50 through 59
50 ° 275 2 Zero earnings years, age 80 through 89 51 d 278 6 Lowest earnings year in AIME average 52 d 285 6 Next lowest earnings year in AIME average 53 d 292 6 Third lowest earnings year in AIME average	48 °	269	2	Zero earnings years, age 60 through 69
51 d 278 6 Lowest earnings year in AIME average 52 d 285 6 Next lowest earnings year in AIME average 53 d 292 6 Third lowest earnings year in AIME average 	49 °	272	2	Zero earnings years, age 70 through 79
52 d 285 6 Next lowest earnings year in AIME average 53 d 292 6 Third lowest earnings year in AIME average	50 °	275	2	Zero earnings years, age 80 through 89
53 d 292 6 Third lowest earnings year in AIME average	51 d	278	6	Lowest earnings year in AIME average
	52 d	285	6	Next lowest earnings year in AIME average
	53 ^d	292	6	Third lowest earnings year in AIME average
70 ^d 411 6 20th lowest earnings year in AIME average				
	70 ^d	411	6	20th lowest earnings year in AIME average

Note: Respondents who declined permission to link HRS and administrative records have no EBF record; see text. Variables 5-8 rounded to nearest \$10 and variables 37-43 are rounded to nearest \$100. Variables 9-29 hotdecked as required; cf Sect. II.F.

^a Values based on respondent's own earnings record; equal to 0 if none, or -9 if worker (or spouse) receiving DI in 1991.

^b Includes earnings only to maximum social security taxable earnings. Equal to -9 if the respondent (or spouse) receiving DI in 1991. Equal to 0 if respondent not eligible for benefits or eligibility is unknown (e.g. for current widows). Equal to 0 for spouse benefits where spouse could not be interviewed in the HRS.

^c Excludes years before 1951 and after 1991.

^d Equal to -9 if respondent receiving DI.

Appendix B. Descriptive Linear Regression Models for Selected EBF Constructed Employment and **Earnings Variables**

(NB: Variable definitions appear in note at end of table)

Married	l Men	ı (N=2	186)
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Married Men	N=2186)						
I. Dep. Var. A	IME						
	Coef. Std.	Err.	t	P> t		[95% Conf. Inter	val]
	+						
age	162.0102	210.1328		0.771	0.441	-250.073	574.0933
agesq	-1.266802	1.876826		-0.675	0.500	-4.947371	2.413767
educ	10.14772	5.984941		1.696	0.090	-1.589108	21.88455
white	514.0386	48.82037		10.529	0.000	418.2989	609.7783
numkids	.2008707	8.857105		0.023	0.982	-17.16845	17.57019
walk2dv	70.86046	113.3773		0.625	0.532	-151.4792	293.2002
carrydv	352.0026	88.42219		3.981	0.000	178.6014	525.4038
cancer	-16.56807	96.95156		-0.171	0.864	-206.6959	173.5598
stroknow	-230.8241	199.3255		-1.158	0.247	-621.7135	160.0653
heartevr	-26.61319	48.92647		-0.544	0.587	-122.5609	69.33455
workpay	-201.4448	163.3245		-1.233	0.218	-521.734	118.8444
annearn	3.515241	.446399		7.875	0.000	2.639826	4.390657
hourswk	2.2085	1.575573		1.402	0.161	881293	5.298293
jobten	4.004937	1.817856		2.203	0.028	.4400129	7.569861
ntwth000	.1120795	.0314269		3.566	0.000	.0504494	.1737096
numjobs5	31.04625	16.87751		1.840	0.066	-2.051552	64.14406
pension	256.1111	48.75037		5.254	0.000	160.5087	351.7135
selfemp	-121.229	56.1719		-2.158	0.031	-231.3855	-11.07251
annage2	3.731618	2.056246		1.815	0.070	3008036	7.764041
weeksyr	2.14291	3.0287		0.708	0.479	-3.796552	8.082373
cons	-4667.447	5867.72		-0.795	0.426	-16174.4	6839.505
Adj R-squa	ared = 0.191	.4					
II. Dep. Var. F							
	Coef. Std.	Err.	t	P> t		[95% Conf. Inter	vall
age	-32.54948	69.52398		-0.468	0.640	-168.8902	103.7912
agesq	.3083792	.6209616		0.497	0.620	9093639	1.526122
educ	.951867	1.980161		0.481	0.631	-2.931348	4.835082
white	169.7814	16.15258		10.511	0.000	138.1052	201.4576
numkids	1.012055	2.930438		0.345	0.730	-4.734709	6.75882
walk2dv	25.30195	37.5117		0.675	0.500	-48.26076	98.86465
carrydv	102.5761	29.25513		3.506	0.000	45.20501	159.9471
cancer	-3.370763	32.07713		-0.105	0.916	-66.27594	59.53442
stroknow	-118.5516	65.94831		-1.798	0.072	-247.8802	10.77697
heartevr	-9.875619	16.18768		-0.610	0.542	-41.62063	21.86939
workpay	-62.85508	54.0371		-1.163	0.245	-168.8251	43.11493
annearn	.8888182	.1476944		6.018	0.000	.5991807	1.178456
hourswk	.8501509	.5212897		1.631	0.103	1721296	1.872431
jobten	.7403838	.6014508		1.231	0.218	4390973	1.919865
	i						

0.002

0.015

0.000

0.233

0.003

0.435

3.055

2.442

5.176

-1.193

2.930

0.781

.0113776

2.685079

51.85538

.6591665

-1.182592

-2677.653

-58.61883

.0521591

24.58638

115.1169

14.27331

3.327479

2.747637

4936.665

weeksyr | .7825226 _cons | 1129.506 Adj R-squared = 0.1573

.0317684

13.63573

83.48613

-22.17276

1.993323

.0103978

5.584046 16.12942

18.58488

.6803239

1.002067

1941.378

ntwth000

numjobs5

pension

selfemp

annage2

Married Men (cont.) III. Dep Var PIAER

III. Dep var i	Coef.	Std.	Err.	t	P> t		[95% Conf. Inter	rval]
	+							
age		.3762	73.13524		-1.413	0.158	-246.7988	40.04644
agesq	!	51478	.653216		1.295	0.195	4348481	2.127144
educ	2.4	44439	2.083016		1.173	0.241	-1.64053	6.529309
white	158	.6821	16.99158		9.339	0.000	125.3606	192.0037
numkids	20	11117	3.082653		-0.065	0.948	-6.246379	5.844155
walk2dv	26.	50877	39.46016		0.672	0.502	-50.87498	103.8925
carrydv	112	.3873	30.77471		3.652	0.000	52.03619	172.7383
cancer	-5.48	34903	33.7433		-0.163	0.871	-71.65755	60.68774
stroknow	-110	.0829	69.37384		-1.587	0.113	-246.1291	25.9634
heartevr	-11.3	30081	17.02851		-0.664	0.507	-44.69473	22.09312
workpay	-67.8	33552	56.84393		-1.193	0.233	-179.3099	43.63885
annearn	1.09	91606	.155366		7.026	0.000	.7869243	1.396288
hourswk	1.18	36366	.5483669		2.163	0.031	.1109856	2.261746
jobten	.701	12654	.6326917		1.108	0.268	5394812	1.942012
ntwth000	.03	16042	.0109379		2.889	0.004	.0101543	.0530541
numjobs5	12.8	39811	5.874096		2.196	0.028	1.378649	24.41756
pension	83.	70923	16.96722		4.934	0.000	50.43548	116.983
selfemp	-35	.3124	19.55023		-1.806	0.071	-73.65158	3.026781
annage2	2.10	3849	.7156618		2.940	0.003	.7003935	3.507305
weeksyr	.94!	52184	1.054117		0.897	0.370	-1.121969	3.012406
_cons	3418	3.651	2042.218		1.674	0.094	-586.2617	7423.564
Adj R-squ	ared =	0.180	0					

Adj R-squared = 0.1800

IV. Dep. Var. PIANI

11120p114111	Coef.	Std.	Err.	t	P> t		[95% Conf.]	Inter	val]
age	-1	82.15	74.74326		-2.437	0.015	-328.7	261	-35.57398
agesq	1.5	22968	.6675783		2.281	0.023	.2138	064	2.832129
educ	3.4	44232	2.128815		1.618	0.106	730	503	7.618967
white	147	.6575	17.36518		8.503	0.000	113.6	034	181.7117
numkids	78	99623	3.150431		-0.251	0.802	-6.968	147	5.388222
walk2dv	25	.8542	40.32777		0.641	0.522	-53.23	099	104.9394
carrydv	117	.5303	31.45136		3.737	0.000	55.85	232	179.2083
cancer	-4.7	78592	34.48522		-0.139	0.890	-72.40	617	62.84899
stroknow	-10	6.468	70.89916		-1.502	0.133	-245.5	055	32.5695
heartevr	-12.	74492	17.40291		-0.732	0.464	-46.87	308	21.38324
workpay	-81.	75767	58.09376		-1.407	0.159	-195.	683	32.1677
annearn	1.2	18338	.158782		7.673	0.000	.906	957	1.529719
hourswk	1.3	30471	.5604238		2.374	0.018	.2314	464	2.429496
jobten	.67	37857	.6466027		1.042	0.298	5942	412	1.941813
ntwth000	.03	17527	.0111784		2.841	0.005	.0098	311	.0536742
numjobs5	12.	54496	6.00325		2.090	0.037	.7722	257	24.31769
pension	84.	91433	17.34028		4.897	0.000	50.	909	118.9197
selfemp	-39.	61422	19.98008		-1.983	0.048	-78.79	636	4320765
annage2	2.	10083	.7313971		2.872	0.004	.6665	166	3.535144
weeksyr	1.2	97082	1.077294		1.204	0.229	8155	573	3.409721
_cons	570	9.484	2087.12		2.736	0.006	1616.	515	9802.453
Adj R-squ	ared =	0.195	2						

Married Men (cont.) V. Dep. Var. Worklt50

v. Dep. var. v	Coef.	Std.	Err.	t	P>	t	[95% C	onf.	Inte	erval]	
age	1.655	217	1.629063		1.016	0.310	-1	.5394	173	4.849907	7
agesq	0169	917	.0145502	-:	1.168	0.243	(04552	255	.011542	2
educ	2043	534	.0463985		4.404	0.000	:	29534	136	1133631	1
white	4.256	968	.3784818	1:	1.247	0.000	3	.5147	743	4.999194	4
numkids	.0674	527	.068665	(0.982	0.326	(06720	036	.202109	9
walk2dv	0685	121	.8789618	-	0.078	0.938	-1	.7922	209	1.655185	5
carrydv	1.274	463	.6854964		1.859	0.063	(06983	367	2.618763	3
cancer	.0716	281	.7516206		0.095	0.924	-1	.4023	345	1.545601	1
stroknow	-1.681	668	1.545279	-:	1.088	0.277	-4	.7120	053	1.348717	7
heartevr	007	997	.3793043	-	0.021	0.983	'	75183	355	.7358415	5
workpay	.7027	019	1.266179		0.555	0.579	-1	.7803	352	3.185756	5
annearn	.0024	512	.0034607		0.708	0.479	(00433	355	.0092379	9
hourswk	.0158	606	.0122147		1.298	0.194	(20800	931	.0398143	3
jobten	.0242	441	.014093		1.720	0.086	(00339	931	.0518813	3
ntwth000	.000	394	.0002436		1.617	0.106	(3000C	338	.0008718	8
numjobs5	.4841	964	.1308435		3.701	0.000	. :	22760)44	.7407884	4
pension	.8633	358	.3779391		2.284	0.022		12217	744	1.604497	7
selfemp	3605	491	.4354748	-	0.828	0.408	-1	.2145	541	.4934432	2
annage2	.0773	521	.0159411		4.852	0.000	. (04609	906	.1086136	5
weeksyr	0144	786	.0234801	-	0.617	0.538	(06052	245	.0315673	3
_cons	-22.60	566	45.48972	-	0.497	0.619	-13	11.81	137	66.60241	1
Adj R-squa	red = 0	.1058									
********	*********	*****	********	*****	*****	******	*				

Married Women (N=2089)

T.	Den	Var	AIME

i. Dep. var. A	AHVIE									
	Coef.	Std.	Err.	t	P> t		[95% (Conf.	Inter	rval]
	+									
age	124.0	0917	132.2124		0.939	0.348		-135.	1916	383.3749
agesq	977	7382	1.180697	,	-0.828	0.408		-3.29	3218	1.337741
educ	15.83	1753	4.639884		3.409	0.001		6.71	8199	24.91686
white	-22.73	1313	32.21558	;	-0.705	0.481		-85.8	9147	40.46521
numkids	-18.4	1554	5.318291		-3.470	0.001		-28.8	8516	-8.025634
walk2dv	83.6	5422	62.20458	;	1.345	0.179		-38.3	3591	205.6444
carrydv	17.48	3063	32.39892	:	0.540	0.590		-46.0	5726	81.01852
cancer	38.3	1801	41.08699	1	0.929	0.353		-42.3	9607	118.7563
stroknow	-158.4	1834	134.7127	'	-1.176	0.240		-422.	6701	105.7033
heartevr	25.3	7603	36.04533		0.704	0.482		-45.3	1289	96.06494
workpay	-495.9	9378	88.6042	:	-5.597	0.000		-669.	7005	-322.1751
annearn	13.70	0094	.9093184	:	15.067	0.000		11.9	1767	15.48422
hourswk	3.870	0961	1.139838	;	3.396	0.001		1.63	5612	6.10631
jobten	9.30	7789	1.612379	1	5.773	0.000		6.14	5734	12.46984
ntwth000	.0229	9028	.0187185		1.224	0.221		013	8062	.0596117
numjobs5	119	. 277	12.52695	,	9.522	0.000		94.7	1028	143.8438
pension	123.3	3738	32.56853		3.788	0.000		59.	5033	187.2443
selfemp	-78.26	5161	43.25042	:	-1.809	0.071		-163.	0805	6.557294
annage2	-4.52	5376	1.231398	:	-3.675	0.000		-6.94	0286	-2.110467
weeksyr	6.328	3893	1.740316	;	3.637	0.000		2.91	5938	9.741847
_cons	-3458	.492	3691.62	:	-0.937	0.349		-1069	8.17	3781.187
Adj R-squa	ared = (3.344	8							

M	arried	Wo	men ((cont.)
	-			

II. Dep. Var.	PIANOW							
<u> </u>	Coef.	Std.	Err.	t	P> t		[95% Conf.]	Interval]
age	-20.	79853	60.1877		-0.346	0.730	-138.8	333 97.23627
agesq	!	45335	.5374947		0.436	0.663	8195	
educ	!	33498	2.112237		2.383	0.017	.8911	
white		16928	14.66565		-0.363	0.717	-34.07	
numkids	!	20378	2.421071		-3.643	0.000	-13.56	
walk2dv	!	64768	28.31769		1.435	0.151	-14.88	
carrydv		76333	14.74912		0.730	0.466	-18.16	
cancer	!	04407	18.70423		1.339	0.181	-11.63	
stroknow	!	86473	61.32594		-0.960	0.337	-179.1	
heartevr		86026	16.40909		-0.051	0.959	-33.01	
workpay		.5453	40.33572		-5.195	0.000	-288.6	
annearn	!	30994	.4139535		12.637	0.000	4.419	
hourswk		12238	.5188938		3.107	0.002	.5946	
jobten		19965	.7340112		5.204	0.000	2.380	
ntwth000		41014	.0085213		0.481	0.630	0126	
numjobs5		60049	5.702706		11.503	0.000	54.41	
pension		67376	14.82633		3.823	0.000	27.59	
selfemp	!	79684	19.6891		-2.072	0.038	-79.40	
annage2	!	28649	.5605754		-3.797	0.000	-3.	
weeksyr		56607	.7922526		4.742	0.000	2.202	
cons	!	.4077	1680.554		0.393	0.694	-2635.	
Adj R-squ		0.353			0.333	0.001	2000.	317 3330.110.
III. Dep. Var		a Li			p. 1.	<u>. 1</u>	[050 05	T., b.,
	Coef.		l. Err. 	t 	P>		[95% CONI.	Interval]
age		25734	63.30749		-0.746	0.455	-171.4	
agesq		97041	.5653554		0.707	0.480	709	021 1.508429
educ	!	38073	2.221723		2.448			
white						0.014	1.081	
numkids	!	46381	15.42584		-0.743	0.457	-41.7	156 18.78798
	-8.5	46381 71915	15.42584 2.546566		-0.743 -3.366	0.457 0.001	-41.7 -13.56	156 18.78798 602 -3.577814
walk2dv	-8.5° 45.	46381 71915 00403	15.42584 2.546566 29.78553		-0.743 -3.366 1.511	0.457 0.001 0.131	-41.7 -13.56 -13.40	156 18.78798 602 -3.577814 871 103.4168
walk2dv carrydv	-8.5° 45.0	46381 71915 00403 .6341	15.42584 2.546566 29.78553 15.51363		-0.743 -3.366 1.511 0.879	0.457 0.001 0.131 0.380	-41.7 -13.56 -13.40 -16.78	156 18.78798 602 -3.577814 871 103.4168 986 44.05806
walk2dv carrydv cancer	-8.5° 45.0 13 24.3	46381 71915 00403 .6341 28951	15.42584 2.546566 29.78553 15.51363 19.67375		-0.743 -3.366 1.511 0.879 1.235	0.457 0.001 0.131 0.380 0.217	-41.7 -13.56 -13.40 -16.78 -14.29	156 18.78798 602 -3.577814 871 103.4168 986 44.05806 292 62.87194
walk2dv carrydv cancer stroknow	-8.5° 45.0 13 24.3	46381 71915 00403 .6341 28951 69336	15.42584 2.546566 29.78553 15.51363 19.67375 64.50473		-0.743 -3.366 1.511 0.879 1.235 -1.173	0.457 0.001 0.131 0.380 0.217 0.241	-41.7 -13.56 -13.40 -16.78 -14.29 -202.1	156 18.78798 602 -3.577814 871 103.4168 986 44.05806 292 62.87194 943 50.80762
walk2dv carrydv cancer stroknow heartevr	-8.5° 45.0 13 24.0 -75.0	46381 71915 00403 .6341 28951 69336	15.42584 2.546566 29.78553 15.51363 19.67375 64.50473 17.25965		-0.743 -3.366 1.511 0.879 1.235 -1.173 0.005	0.457 0.001 0.131 0.380 0.217 0.241 0.996	-41.7 -13.56 -13.40 -16.78 -14.29 -202.1 -33.75	156 18.78798 602 -3.577814 871 103.4168 986 44.05806 292 62.87194 943 50.80762 611 33.94008
walk2dv carrydv cancer stroknow heartevr workpay	-8.5 45.0 13 24 -75.0 .092	46381 71915 00403 .6341 28951 69336 19847 .3396	15.42584 2.546566 29.78553 15.51363 19.67375 64.50473 17.25965 42.4265		-0.743 -3.366 1.511 0.879 1.235 -1.173 0.005 -4.840	0.457 0.001 0.131 0.380 0.217 0.241 0.996 0.000	-41.7 -13.56 -13.40 -16.78 -14.29 -202.1 -33.75 -288.5	156 18.78798 602 -3.577814 871 103.4166 986 44.05806 292 62.87194 943 50.80762 611 33.94008 427 -122.1369
walk2dv carrydv cancer stroknow heartevr workpay annearn	-8.5 45.0 13 24.3 -75.0 .099 -205 6.69	46381 71915 00403 .6341 28951 69336 19847 .3396 91108	15.42584 2.546566 29.78553 15.51363 19.67375 64.50473 17.25965 42.4265 .4354105		-0.743 -3.366 1.511 0.879 1.235 -1.173 0.005 -4.840 15.367	0.457 0.001 0.131 0.380 0.217 0.241 0.996 0.000 0.000	-41.7 -13.56 -13.40 -16.78 -14.29 -202.1 -33.75 -288.5 5.837	156 18.78798 602 -3.577814 871 103.4166 986 44.05806 292 62.87194 50.80762 611 33.94008 427 -122.1365 219 7.544997
walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk	-8.5° 45.1 13 2475.1 .099 -205 6.69	46381 71915 00403 .6341 28951 69336 19847 .3396 91108 73456	15.42584 2.546566 29.78553 15.51363 19.67375 64.50473 17.25965 42.4265 .4354105 .5457904		-0.743 -3.366 1.511 0.879 1.235 -1.173 0.005 -4.840 15.367 3.616	0.457 0.001 0.131 0.380 0.217 0.241 0.996 0.000 0.000	-41.7 -13.56 -13.40 -16.78 -14.29 -202.1 -33.75 -288.5 5.837	156 18.78798 602 -3.577814 871 103.4168 986 44.05806 292 62.87194 50.80762 611 33.94008 427 -122.1365 219 7.54499 003 3.043812
walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten	-8.5 45. 13 24. -75. .09 -205 6.6 1.9	46381 71915 00403 .6341 28951 69336 19847 .3396 91108 73456 70664	15.42584 2.546566 29.78553 15.51363 19.67375 64.50473 17.25965 42.4265 .4354105 .5457904 .7720582		-0.743 -3.366 1.511 0.879 1.235 -1.173 0.005 -4.840 15.367 3.616 3.848	0.457 0.001 0.131 0.380 0.217 0.241 0.996 0.000 0.000 0.000	-41.7 -13.56 -13.40 -16.78 -14.29 -202.1 -33.75 -288.5 5.837 .9031	156 18.78798 602 -3.577814 871 103.4168 986 44.05806 292 62.87194 943 50.80762 611 33.94008 427 -122.1365 219 7.54499° 003 3.043812 571 4.484756
walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000	-8.5 45.1 13 24.1 -75.1 .099 -205 6.66 1.9	46381 71915 00403 .6341 28951 69336 19847 .3396 91108 73456 70664 58141	15.42584 2.546566 29.78553 15.51363 19.67375 64.50473 17.25965 42.4265 .4354105 .5457904 .7720582 .008963		-0.743 -3.366 1.511 0.879 1.235 -1.173 0.005 -4.840 15.367 3.616 3.848 0.649	0.457 0.001 0.131 0.380 0.217 0.241 0.996 0.000 0.000 0.000 0.000 0.517	-41.7 -13.56 -13.40 -16.78 -14.29 -202.1 -33.75 -288.5 5.837 .9031 1.456 0117	156 18.78798 602 -3.577814 871 103.4168 986 44.05806 292 62.87199 943 50.80762 611 33.94008 427 -122.1365 219 7.544997 003 3.043812 571 4.484756 633 .0233916
walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5	-8.5 45.1 13 24 -75 .09 -205 6.6 1.9 2.9	46381 71915 00403 .6341 28951 69336 19847 .3396 93456 70664 58141	15.42584 2.546566 29.78553 15.51363 19.67375 64.50473 17.25965 42.4265 .4354105 .5457904 .7720582 .008963 5.998302		-0.743 -3.366 1.511 0.879 1.235 -1.173 0.005 -4.840 15.367 3.616 3.848 0.649 10.192	0.457 0.001 0.131 0.380 0.217 0.241 0.996 0.000 0.000 0.000 0.517 0.000	-41.7 -13.56 -13.40 -16.78 -14.29 -202.1 -33.75 -288.5 5.837 .9031 1.4560117 49.37	156 18.78798 602 -3.577814 871 103.4168 986 44.05806 929 62.87194 943 50.80762 611 33.94008 427 -122.1365 219 7.544997 003 3.043812 571 4.484756 633 .0233916 217 72.89886
walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension	-8.5 45.1 13 24 -75.09 -205 6.66 1.9 2.99 .000 61.72.	46381 71915 00403 .6341 28951 69336 19847 .3396 973456 70664 58141 13551 27498	15.42584 2.546566 29.78553 15.51363 19.67375 64.50473 17.25965 42.4265 .4354105 .5457904 .7720582 .008963 5.998302 15.59484		-0.743 -3.366 1.511 0.879 1.235 -1.173 0.005 -4.840 15.367 3.616 3.848 0.649 10.192 4.635	0.457 0.001 0.131 0.380 0.217 0.241 0.996 0.000 0.000 0.000 0.517 0.000 0.000	-41.7 -13.56 -13.40 -16.78 -14.29 -202.1 -33.75 -288.5 5.837 .9031 1.4560117 49.37	156 18.78798 602 -3.577814 871 103.4168 986 44.05806 929 62.87194 943 50.80762 611 33.94008 427 -122.1365 219 7.544997 003 3.043812 571 4.484756 633 .0233916 217 72.89886 175 102.8582
walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension selfemp	-8.5 45.1 13 24 -75 .09 -205 6.6 1.9 2.9 .000 61 72	46381 71915 00403 .6341 28951 69336 19847 .3396 91108 73456 70664 58141 13551 27498 99805	15.42584 2.546566 29.78553 15.51363 19.67375 64.50473 17.25965 42.4265 .4354105 .5457904 .7720582 .008963 5.998302 15.59484 20.70967		-0.743 -3.366 1.511 0.879 1.235 -1.173 0.005 -4.840 15.367 3.616 3.848 0.649 10.192 4.635 -2.656	0.457 0.001 0.131 0.380 0.217 0.241 0.996 0.000 0.000 0.000 0.517 0.000 0.000	-41.7 -13.56 -13.40 -16.78 -14.29 -202.1 -33.75 -288.5 5.837 .9031 1.4560117 49.37 41.69 -95.61	156 18.78798 602 -3.577814 871 103.4166 986 44.05806 292 62.87194 943 50.80762 611 33.94008 427 -122.1369 219 7.544997 003 3.043812 571 4.484756 633 .0233916 217 72.89886 175 102.8582 203 -14.38406
walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension selfemp annage2	-8.5 45.1 13 24 -75 .09 -205 6.6 1.9 2.9 .000 61 72 -54	46381 71915 00403 .6341 28951 69336 19847 .3396 91108 73456 70664 58141 13551 27498 99805 82421	15.42584 2.546566 29.78553 15.51363 19.67375 64.50473 17.25965 42.4265 .4354105 .5457904 .7720582 .008963 5.998302 15.59484 20.70967 .5896325		-0.743 -3.366 1.511 0.879 1.235 -1.173 0.005 -4.840 15.367 3.616 3.848 0.649 10.192 4.635 -2.656 -3.532	0.457 0.001 0.131 0.380 0.217 0.241 0.996 0.000 0.000 0.000 0.517 0.000 0.000 0.008	-41.7 -13.56 -13.40 -16.78 -14.29 -202.1 -33.75 -288.5 5.837 .9031 1.4560117 49.37 41.69 -95.61 -3.238	156 18.78798 602 -3.577814 871 103.4168 986 44.05806 292 62.87194 943 50.80762 611 33.94008 427 -122.1365 219 7.544997 003 3.043812 571 4.484756 633 .0233916 217 72.89886 175 102.8582 203 -14.38406 7569260857
walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension selfemp annage2 weeksyr	-8.5 45.1 13 24.: -75 .09 -205 6.6 1.9 2.9 .00 61.: 72.: -54.: -2.0 4.2	46381 71915 00403 .6341 28951 69336 19847 .3396 91108 73456 70664 58141 13551 27498 99805 82421 57598	15.42584 2.546566 29.78553 15.51363 19.67375 64.50473 17.25965 42.4265 .5457904 .7720582 .008963 5.998302 15.59484 20.70967 .5896325 .8333186		-0.743 -3.366 1.511 0.879 1.235 -1.173 0.005 -4.840 15.367 3.616 3.848 0.649 10.192 4.635 -2.656 -3.532 5.109	0.457 0.001 0.131 0.380 0.217 0.241 0.996 0.000 0.000 0.000 0.517 0.000 0.000 0.000	-41.7 -13.56 -13.40 -16.78 -14.29 -202.1 -33.75 -288.5 5.837 .9031 1.4560117 49.37 41.69 -95.61 -3.238	156 18.78798 602 -3.577814 871 103.4168 986 44.05806 292 62.87199 943 50.80762 611 33.94008 427 -122.1365 219 7.544997 633 .0233916 217 72.89888 175 102.8582 203 -14.38406 756 -926085 367 5.891825
walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension selfemp annage2	-8.5 45.1 13 24 -75 .09 -205 6.6 1.9 2.9 .00 61 72 -54 -2.00 4.2!	46381 71915 00403 .6341 28951 69336 19847 .3396 91108 73456 70664 58141 13551 27498 99805 82421	15.42584 2.546566 29.78553 15.51363 19.67375 64.50473 17.25965 42.4265 .4354105 .5457904 .7720582 .008963 5.998302 15.59484 20.70967 .5896325 .8896325 .8333186 1767.665		-0.743 -3.366 1.511 0.879 1.235 -1.173 0.005 -4.840 15.367 3.616 3.848 0.649 10.192 4.635 -2.656 -3.532	0.457 0.001 0.131 0.380 0.217 0.241 0.996 0.000 0.000 0.000 0.517 0.000 0.000 0.008	-41.7 -13.56 -13.40 -16.78 -14.29 -202.1 -33.75 -288.5 5.837 .9031 1.4560117 49.37 41.69 -95.61 -3.238	156 18.78798 602 -3.577814 871 103.4168 986 44.05806 292 62.87199 943 50.80762 611 33.94008 427 -122.1365 219 7.544997 633 .0233916 217 72.89888 175 102.8582 203 -14.38406 756 -926085 367 5.891825

Married Women (cont.)
IV. Dep. Var PIANR

IV. Dep. Var PIANR								
-	Coef.	Std.	Err.	t	P> t		[95% Conf. Ir	nterval]
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk	-105 .90 5.4 -8.5 -6.3 45. 17. 25. -82. .099 -205 7.4	 .4333 42969	Err. 66.13624 .5906169 2.320996 16.11511 2.660353 31.11642 16.20682 20.55283 67.38697 18.03085 44.3222 .4548658 .5701777		P> t	0.111 0.126 0.019 0.596 0.016 0.147 0.294 0.219 0.222 0.996 0.000	[95% Conf. Ir -235.13 -25396 .88529 -40.153 -11.606 -15.873 -14.769 -15.020 -214.44 -35.261 -292.42 6.5121 .94463	38 24.26729 89 2.062563 01 9.988755 22 23.05383 54 -1.172044 87 106.1717 62 48.79714 51 65.59227 44 49.86236 28 35.45975 73 -118.5856 07 8.296192
jobten ntwth000 numjobs5 pension selfemp annage2	2.8 .000 59. 78. -62. -2.2 4.4 330	45281 68933 75642 39916 57791 28476 97072 5.271	.8065558 .0093635 6.266322 16.29166 21.63504 .6159788 .8705534 1846.648		3.528 0.736 9.536 4.812 -2.892 -3.618 5.166 1.790	0.000 0.462 0.000 0.000 0.004 0.000 0.000 0.074	1.2635 01146 47.467 46.449 -105.00 -3.436 2.7898 -316.21	35 4.427027 95 .0252562 46 72.04538 39 110.3489 66 -20.14919 48 -1.020473 19 6.204324
V. Dep. Var. Worklt50 Coef. Std. Err. t P> t [95% Conf. Interval]								
age agesq	.02	45526	2.055242 .0183539		-1.475 1.338	0.181	-7.0629 01144	15 .0605468

V. Dep. Var.	Worklt50							
	Coef.	Std.	Err.	t	P> t		[95% Conf. In	terval]
	+	 32411	2.055242		1 475	0.140	7.0620	97 .9981484
age	!				-1.475		-7.0629	
agesq		45526	.0183539		1.338	0.181	011441	
educ		88457	.072127		-0.816	0.415	200294	
white	!	99997	.5007912		-0.240	0.811	-1.10210	
numkids		36638	.0826728		-4.278	0.000	515794	
walk2dv	1.0	06885	.9669703		1.041	0.298	889451	L7 2.903222
carrydv	-1.	11974	.5036412		-2.223	0.026	-2.10743	371320433
cancer	1.5	76059	.6386973		2.468	0.014	.323502	27 2.828616
stroknow	74	23657	2.09411		-0.355	0.723	-4.84914	19 3.364417
heartevr	00	63204	.5603247		-0.011	0.991	-1.1051	L8 1.092539
workpay	-3.9	05222	1.377352		-2.835	0.005	-6.60636	-1.20408
annearn	.08	06679	.0141354		5.707	0.000	.052946	.108389
hourswk	.04	73267	.0177188		2.671	0.008	.012578	.0820752
jobten	.14	11983	.0250644		5.633	0.000	.092044	.1903524
ntwth000	00	05397	.000291		-1.855	0.064	001110	.0000309
numjobs5	2.7	01987	.1947315		13.875	0.000	2.32009	3.083878
pension	.73	65246	.5062778		1.455	0.146	256342	26 1.729392
selfemp	-1.7	20914	.6723278		-2.560	0.011	-3.03942	244024044
annage2	0	48164	.0191421		-2.516	0.012	085703	380106242
weeksyr	.06	89475	.0270532		2.549	0.011	.015893	.1220019
_cons	108	.8546	57.38623		1.897	0.058	-3.68622	29 221.3954
Adj R-squ	ared =	0.244	2					

Nonmarried I. Dep. Var. A		05)							
1. Dep. var. A	Coef.	Std.	Err.	t	P> t		[95% Conf. I	nterva	al]
age		.4054	484.8759		0.347	0.729	-784.93		1121.749
agesq	-1.3	94454	4.334342		-0.322	0.748	-9.9164	166	7.127559
educ		00217	13.35372		2.322	0.021	4.74		57.25774
white		8.396	89.89946		5.210	0.000	291.63		645.1528
numkids		69285	19.98284		2.537	0.012	11.403		89.98233
walk2dv		74019	191.9007		-0.233	0.816	-422.04		332.5675
carrydv	1	.1591	141.1547		2.318	0.021	49.626		604.6919
cancer		.3315	210.5488		-0.567	0.571	-533.30		294.6413
stroknow	1	.3083	258.1595		-1.419	0.157	-873.89		141.2747
heartevr		52844	106.6608		-0.005	0.996	-210.24		209.1771
workpay		.5215	348.3369		-1.839	0.067	-1325.4		44.36485
annearn	1	64314	2.059281		3.868	0.000	3.9154		12.01319
hourswk		48988	4.209749		-0.249	0.803	-9.3260		7.228055
jobten	1	43224	4.416382		1.867	0.063	44009		16.92654
ntwth000	.03		.1437863		0.217	0.829	25155		.3138615
numjobs5	67.		36.26549		1.861	0.064	-3.8159		138.7917
pension	84.		114.5908		0.736	0.462	-140.96		309.6477
selfemp	-43.		146.2204		-0.297	0.767	-330.86		244.1165
annage2	-4.		5.048956		-0.815	0.416	-14.041		5.812739
weeksyr	16.		5.961603		2.770	0.006	4.7936		28.23664
_cons			13533.9		-0.349	0.727	-31332.	52	21887.12
Adj R-squ	ared =	0.325	1						
II. Dep. Var	. PIANOW	·							
	Coef.	Std	l. Err.	t	P> t	:	[95% Conf.	Inter	val]
age	-5.	67612	168.1614		-0.034	0.973	-336.30	84	324.9562
agesq	.05	98992	1.503207		0.040	0.968	-2.8956	48	3.015446
educ	9.3	75343	4.631249		2.024	0.044	. 26956	35	18.48112
white		3.219	31.17833		4.594	0.000	81.917		204.5206
numkids		60784	6.930313		2.685	0.008	4.9817		32.23395
walk2dv	-5.8	63805	66.55372		-0.088	0.930	-136.71	.91	124.9915
carrydv	145		48.95431		2.967	0.003	48.986		241.4907
cancer	1	77866	73.02112		-0.668	0.505	-192.34		94.79261
. 1	1 1	~ ~ ~ ~	00 50010		0 011	0 0 4 5	256 25		2 202506

agesq	.0598992	1.503207	0.040	0.968	-2.895648	3.015446
educ	9.375343	4.631249	2.024	0.044	.2695635	18.48112
white	143.219	31.17833	4.594	0.000	81.91743	204.5206
numkids	18.60784	6.930313	2.685	0.008	4.981732	32.23395
walk2dv	-5.863805	66.55372	-0.088	0.930	-136.7191	124.9915
carrydv	145.2386	48.95431	2.967	0.003	48.98655	241.4907
cancer	-48.77866	73.02112	-0.668	0.505	-192.3499	94.79261
stroknow	-180.02	89.53312	-2.011	0.045	-356.0566	-3.983506
heartevr	5.509219	36.99139	0.149	0.882	-67.22181	78.24025
workpay	-167.3121	120.8078	-1.385	0.167	-404.8398	70.21554
annearn	2.084716	.714186	2.919	0.004	.6805113	3.488921
hourswk	8338089	1.459997	-0.571	0.568	-3.704397	2.036779
jobten	2.727672	1.53166	1.781	0.076	2838176	5.739162
ntwth000	.004382	.049867	0.088	0.930	0936646	.1024285
numjobs5	31.09945	12.57735	2.473	0.014	6.370348	55.82854
pension	21.60543	39.74161	0.544	0.587	-56.53298	99.74383
selfemp	-8.985088	50.71119	-0.177	0.859	-108.6914	90.72127
annage2	-1.078736	1.751045	-0.616	0.538	-4.521572	2.3641
weeksyr	5.396527	2.067563	2.610	0.009	1.331366	9.461688
_cons	339.7841	4693.735	0.072	0.942	-8888.853	9568.422
Adj R-squa	ared = 0.3084	4				

No	nmaı	rried	Men	(cont.)
	-			

III. Dep Var P	IAER						
		td. Err.	t	P>	t	[95% Conf. Int	erval]
age	-55.861	8 178.5183		0.313	0.755	-406.8575	295.1339
agesq	.433319	6 1.595789		0.272	0.786	-2.704257	3.570897
educ	10.8341	4 4.916484		2.204	0.028	1.167542	20.50074
white	152.338	2 33.09858		4.603	0.000	87.2611	217.4154
numkids	20.2302			2.750	0.006	5.764885	34.69555
walk2dv	-10.1447	8 70.65272	-	0.144	0.886	-149.0594	128.7698
carrydv	143.889	5 51.96937		2.769	0.006	41.70933	246.0696
cancer	-64.7394	4 77.51844	-	0.835	0.404	-217.1532	87.67428
stroknow	-197.879	2 95.04741	-	2.082	0.038	-384.7577	-11.00074
heartevr	-1.02544	4 39.26967	_	0.026	0.979	-78.23593	76.18504
workpay	-163.109	7 128.2483	_	1.272	0.204	-415.2665	89.04716
annearn	2.58646	8 .7581722		3.411	0.001	1.09578	4.077157
hourswk	740717	5 1.549917	-	0.478	0.633	-3.788103	2.306668
jobten	2.41432	7 1.625994		1.485	0.138	7826385	5.611292
ntwth000	005596	3 .0529383	_	0.106	0.916	1096814	.0984889
numjobs5	30.3800	3 13.35198		2.275	0.023	4.127882	56.63217
pension	45.0496	2 42.18927		1.068	0.286	-37.90128	128.0005
selfemp	-24.0831	3 53.83446	_	0.447	0.655	-129.9303	81.76407
annage2	455767	3 1.85889	_	0.245	0.806	-4.110645	3.19911
weeksyr	5.48880	7 2.194903		2.501	0.013	1.173276	9.804339
_cons	1942.35	7 4982.819		0.390	0.697	-7854.666	11739.38
Adj R-squa	ared = 0.3	470					
IV. Dep.Var. I	 PIANR						
17. Dep. 7 al. 1		d. Err.	t	P> t		[95% Conf. Inter	rval]
age	-137.077	6 183.3214		0.748	0.455	-497.5169	223.3617
agesq	1.14286	9 1.638723		0.697	0.486	-2.079125	4.364863
educ	11 (146	3 5.048762		2.300	0.022	1.687949	
white	11.6146	3 3.040/02			0.022		21.54131
	149.631			4.402	0.000	82.80388	
numkids	1	9 33.9891					21.54131
	149.631	9 33.9891 2 7.555091		4.402	0.000	82.80388	21.54131 216.4599
numkids	149.631 21.710	33.9891 2 7.555091 8 72.55363	-	4.402 2.874	0.000 0.004	82.80388 6.855672	21.54131 216.4599 36.56472
numkids walk2dv	149.631 21.710 -10.9113	33.9891 7.555091 72.55363 53.36761	-	4.402 2.874 0.150	0.000 0.004 0.881	82.80388 6.855672 -153.5635	21.54131 216.4599 36.56472 131.7407
numkids walk2dv carrydv	149.6319 21.7103 -10.91133 142.628	33.9891 7.555091 8 72.55363 8 53.36761 79.60408	-	4.402 2.874 0.150 2.673	0.000 0.004 0.881 0.008	82.80388 6.855672 -153.5635 37.69947	21.54131 216.4599 36.56472 131.7407 247.5581 81.85501
numkids walk2dv carrydv cancer	149.6319 21.7103 -10.91133 142.6283 -74.65943	33.9891 7.555091 72.55363 53.36761 79.60408 97.60466	- - -	4.402 2.874 0.150 2.673 0.938	0.000 0.004 0.881 0.008 0.349	82.80388 6.855672 -153.5635 37.69947 -231.1738	21.54131 216.4599 36.56472 131.7407 247.5581
numkids walk2dv carrydv cancer stroknow heartevr	149.631 21.710 -10.9113 142.628 -74.6594 -204.877 197854	9 33.9891 2 7.555091 8 72.55363 8 53.36761 2 79.60408 3 97.60466 4 40.32622	- - -	4.402 2.874 0.150 2.673 0.938 2.099	0.000 0.004 0.881 0.008 0.349 0.036	82.80388 6.855672 -153.5635 37.69947 -231.1738 -396.7837 -79.48569	21.54131 216.4599 36.56472 131.7407 247.5581 81.85501 -12.97078 79.08999
numkids walk2dv carrydv cancer stroknow heartevr workpay	149.631 21.710 -10.9113 142.628 -74.6594 -204.877 197854 -162.990	33.9891 2 7.555091 8 72.55363 8 53.36761 2 79.60408 3 97.60466 4 40.32622 4 131.6988	- - - -	4.402 2.874 0.150 2.673 0.938 2.099 0.005 1.238	0.000 0.004 0.881 0.008 0.349 0.036 0.996 0.217	82.80388 6.855672 -153.5635 37.69947 -231.1738 -396.7837 -79.48569 -421.9315	21.54131 216.4599 36.56472 131.7407 247.5581 81.85501 -12.97078 79.08999 95.95075
numkids walk2dv carrydv cancer stroknow heartevr	149.631 21.710 -10.9113 142.628 -74.6594 -204.877 197854 -162.990 2.81447	9 33.9891 2 7.555091 8 72.55363 8 53.36761 2 79.60408 3 97.60466 4 40.32622 4 131.6988 5 .7785709	- - - -	4.402 2.874 0.150 2.673 0.938 2.099 0.005 1.238 3.615	0.000 0.004 0.881 0.008 0.349 0.036 0.996 0.217 0.000	82.80388 6.855672 -153.5635 37.69947 -231.1738 -396.7837 -79.48569	21.54131 216.4599 36.56472 131.7407 247.5581 81.85501 -12.97078 79.08999
numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk	149.631 21.710 -10.9113 142.628 -74.6594 -204.877 197854 -162.990 2.81447 632514	9 33.9891 2 7.555091 8 72.55363 8 53.36761 2 79.60408 3 97.60466 4 40.32622 4 131.6988 5 .7785709 5 1.591617	- - - -	4.402 2.874 0.150 2.673 0.938 2.099 0.005 1.238 3.615 0.397	0.000 0.004 0.881 0.008 0.349 0.036 0.996 0.217 0.000 0.691	82.80388 6.855672 -153.5635 37.69947 -231.1738 -396.7837 -79.48569 -421.9315 1.283679 -3.76189	21.54131 216.4599 36.56472 131.7407 247.5581 81.85501 -12.97078 79.08999 95.95075 4.345271 2.496861
numkids walk2dv carrydv cancer stroknow heartevr workpay annearn	149.631 21.710 -10.9113 142.628 -74.6594 -204.877 197854 -162.990 2.81447	9 33.9891 2 7.555091 8 72.55363 8 53.36761 2 79.60408 3 97.60466 4 40.32622 4 131.6988 5 .7785709 1.591617 8 1.669741	- - - -	4.402 2.874 0.150 2.673 0.938 2.099 0.005 1.238 3.615 0.397 1.416	0.000 0.004 0.881 0.008 0.349 0.036 0.996 0.217 0.000	82.80388 6.855672 -153.5635 37.69947 -231.1738 -396.7837 -79.48569 -421.9315 1.283679	21.54131 216.4599 36.56472 131.7407 247.5581 81.85501 -12.97078 79.08999 95.95075 4.345271
numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten	149.631 21.710 -10.9113 142.628 -74.6594 -204.877 -197854 -162.990 2.81447 632514 2.36390	33.9891 7.555091 72.55363 8 53.36761 2 79.60408 3 97.60466 4 40.32622 4 131.6988 .7785709 5 1.591617 8 1.669741 5 .0543626	- - - - -	4.402 2.874 0.150 2.673 0.938 2.099 0.005 1.238 3.615 0.397	0.000 0.004 0.881 0.008 0.349 0.036 0.996 0.217 0.000 0.691 0.158	82.80388 6.855672 -153.5635 37.69947 -231.1738 -396.7837 -79.48569 -421.9315 1.283679 -3.76189 -9190718	21.54131 216.4599 36.56472 131.7407 247.5581 81.85501 -12.97078 79.08999 95.95075 4.345271 2.496861 5.646888
numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5	149.631 21.710 -10.9113 142.628 -74.6594 -204.877 197854 -162.990 2.81447 632514 2.36390 006493	33.9891 2 7.555091 8 72.55363 8 53.36761 2 79.60408 3 97.60466 4 40.32622 4 131.6988 5 .7785709 1.591617 8 1.669741 5 .0543626 1 3.71122	-	4.402 2.874 0.150 2.673 0.938 2.099 0.005 1.238 3.615 0.397 1.416 0.119 2.218	0.000 0.004 0.881 0.008 0.349 0.036 0.996 0.217 0.000 0.691 0.158 0.905 0.027	82.80388 6.855672 -153.5635 37.69947 -231.1738 -396.7837 -79.48569 -421.9315 1.283679 -3.76189 9190718 113379 3.449547	21.54131 216.4599 36.56472 131.7407 247.5581 81.85501 -12.97078 79.08999 95.95075 4.345271 2.496861 5.466868 1003921 57.36647
numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension	149.631 21.710 -10.9113 142.628 -74.6594 -204.877 197854 -162.990 2.81447 632514 2.36390 006493 30.4080 52.7427	33.9891 2 7.555091 8 72.55363 8 53.36761 2 79.60408 3 97.60466 4 40.32622 4 131.6988 5 .7785709 1.591617 1.669741 5 .0543626 1 13.71122 4 43.32438	- - - - -	4.402 2.874 0.150 2.673 0.999 0.005 1.238 3.615 0.397 1.416 0.119 2.218 1.217	0.000 0.004 0.881 0.008 0.349 0.036 0.996 0.217 0.000 0.691 0.158 0.905 0.027	82.80388 6.855672 -153.5635 37.69947 -231.1738 -396.7837 -79.48569 -421.9315 1.283679 -3.76189 -9190718 113379 3.449547 -32.43995	21.54131 216.4599 36.56472 131.7407 247.5581 81.85501 -12.97078 79.08999 95.95075 4.345271 2.496861 5.64688 .1003921 57.36647 137.9254
numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension selfemp	149.631 21.710 -10.9113 142.628 -74.6594 -204.877 197854 -162.990 2.81447 632514 2.36390 006493 30.4080 52.7427 -31.1908	33.9891 2 7.555091 8 72.55363 8 53.36761 2 79.60408 3 97.60466 4 40.32622 4 131.6988 5 .7785709 5 1.591617 8 1.669741 5 0543626 1 13.71122 5 43.32438 8 55.28288	- - - - -	4.402 2.874 0.150 2.673 0.938 2.099 0.005 1.238 3.615 0.397 1.416 0.119 2.218 1.217	0.000 0.004 0.881 0.008 0.349 0.036 0.996 0.217 0.000 0.691 0.158 0.905 0.027 0.224	82.80388 6.855672 -153.5635 37.69947 -231.1738 -396.7837 -79.48569 -421.9315 1.283679 -3.76189 -9190718 -113379 3.449547 -32.43995 -139.8859	21.54131 216.4599 36.56472 131.7407 247.5581 81.85501 -12.97078 79.08999 95.95075 4.345271 2.496861 5.646888 .1003921 57.36647 137.9254 77.50414
numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension selfemp annage2	149.631 21.710: -10.9113: 142.628: -74.6594: -204.877: -197854: -162.990: 2.81447: 2.36390: 006493: 30.4080: 52.7427: -31.1908: -334182:	9 33.9891 7.555091 72.55363 8 53.36761 2 79.60406 4 40.32622 4 131.6988 5 .7785709 5 1.591617 8 1.669741 5 .0543626 1 3.71122 43.32438 8 55.28288 4 1.908904	- - - -	4.402 2.874 0.150 0.938 2.099 0.005 1.238 3.615 0.397 1.416 0.119 2.218 1.218 1.218 0.564	0.000 0.004 0.881 0.008 0.349 0.036 0.996 0.217 0.000 0.691 0.158 0.905 0.027 0.027 0.224 0.573	82.80388 6.855672 -153.5635 37.69947 -231.1738 -396.7837 -79.48569 -421.9315 1.283679 -3.76189 9190718 113379 3.449547 -32.43995 -139.8859 -4.087395	21.54131 216.4599 36.56472 131.7407 247.5581 81.85501 -12.97078 79.08999 95.95075 4.345271 2.496861 5.646888 .1003921 57.36647 137.9254 77.50414 3.41903
numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension selfemp annage2 weeksyr	149.631 21.710 -10.9113 142.628 -74.6594 -204.877 197854 -162.990 2.81447 632514 2.36390 006493 30.4080 52.7427 -31.1908 334182 5.57011	9 33.9891 2 7.555091 7 7.555091 8 72.55363 8 53.36761 2 79.60406 4 40.32622 4 131.6988 .7785709 5 1.591617 8 1.669741 .0543626 1 13.71122 43.32438 8 55.28288 4 1.908904 2 .253957	- - - - -	4.402 2.874 0.150 0.938 2.673 0.938 2.099 0.005 1.238 3.615 0.119 2.218 1.217 0.564 0.175 2.471	0.000 0.004 0.881 0.008 0.349 0.036 0.996 0.217 0.000 0.691 0.158 0.905 0.027 0.224 0.573 0.861 0.014	82.80388 6.855672 -153.5635 37.69947 -231.1738 -396.7837 -79.48569 -421.9315 1.283679 -3.76189 -9190718 113379 3.449547 -32.43995 -139.8859 -4.087395 1.138471	21.54131 216.4599 36.56472 131.7407 247.5581 81.85501 -12.97078 79.08999 95.95075 4.345271 2.496861 5.646888 .1003921 57.36647 137.9254 77.50414 3.41903 10.00175
numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension selfemp annage2	149.631 21.710 -10.9113 142.628 -74.6594 -204.877 197854 -162.990 2.81447 2.36390 006493 30.4080 52.7427 -31.1908 -334182 5.57011 4250.42	9 33.9891 2 7.555091 8 72.55363 8 53.36761 2 79.60408 3 97.60466 4 40.32622 4 131.6988 5 .7785709 1.591617 8 1.669741 5 .0543626 1 13.71122 5 43.32438 8 4 1.908904 2 2.253957 8 5116.882	- - - - -	4.402 2.874 0.150 0.938 2.099 0.005 1.238 3.615 0.397 1.416 0.119 2.218 1.218 1.218 0.564	0.000 0.004 0.881 0.008 0.349 0.036 0.996 0.217 0.000 0.691 0.158 0.905 0.027 0.027 0.224 0.573	82.80388 6.855672 -153.5635 37.69947 -231.1738 -396.7837 -79.48569 -421.9315 1.283679 -3.76189 9190718 113379 3.449547 -32.43995 -139.8859 -4.087395	21.54131 216.4599 36.56472 131.7407 247.5581 81.85501 -12.97078 79.08999 95.95075 4.345271 2.496861 5.646888 .1003921 57.36647 137.9254 77.50414 3.41903

Nonmarried Men (cont.) V. Dep. Var. Worklt50

<u>v. Dep. var.</u>	Coef.	Std.	Err.	t 	P> t		[95% Conf. Inte	rval]
age	3.	85613	4.252192		0.907	0.365	-4.504364	12.21662
agesq	03	65825	.0380107		-0.962	0.336	1113176	.0381526
educ	14	72497	.1171075		-1.257	0.209	3775019	.0830025
white	2.	73422	.7883869		3.468	0.001	1.184125	4.284316
numkids	.18	45048	.1752425		1.053	0.293	1600502	.5290599
walk2dv	.29	01705	1.682903		0.172	0.863	-3.018687	3.599028
carrydv	3.4	64239	1.237877		2.799	0.005	1.030373	5.898105
cancer	-1.1	48745	1.84644		-0.622	0.534	-4.779143	2.481652
stroknow	-5.6	40705	2.263968		-2.492	0.013	-10.09203	-1.189379
heartevr	.67	93956	.9353784		0.726	0.468	-1.159709	2.5185
workpay	-1.4	94179	3.054793		-0.489	0.625	-7.500393	4.512035
annearn	1	13858	.0180592		0.767	0.443	0216492	.0493653
hourswk	0	02192	.036918		-0.594	0.553	0945068	.0506668
jobten	.02	63977	.0387301		0.682	0.496	049752	.1025474
ntwth000	00	03774	.001261		-0.299	0.765	0028566	.0021019
numjobs5	.67	65597	.3180357		2.127	0.034	.0512504	1.301869
pension	25	73915	1.004921		-0.256	0.798	-2.233229	1.718446
selfemp	20	88744	1.282302		-0.163	0.871	-2.730087	2.312338
annage2	00	26483	.0442776		-0.060	0.952	0897052	.0844085
weeksyr	.07	75552	.0522812		1.483	0.139	025238	.1803484
_cons	-81.	87659	118.6876		-0.690	0.491	-315.2354	151.4822
Adj R-squ	ared =	0.137	6					
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Nonmarried Women (N=958)

T	Det	n	Var	Α	IN	Œ.

I. Dep. Var. A	Coef.	Std.	Err.	t	P>	t	[95% (Conf.	Inte	rval]	
age agesq educ white numkids walk2dv	-278.46 2.6872 16.645 44.1 -67.474	 533 258 521 L48	227.6947 2.03406 7.719616 40.15906 9.35246 77.11661		-1.223 1.321 2.156 1.099 -7.215 0.959	0.222 0.187 0.031 0.272 0.000 0.338	-1 -1 1 -3 -8	 -725.3 1.3045 1.4954 34.664 35.828	314 581 171 111 362	168.3 6.679 31.79 122.9 -49.12 225.2	098 495 601 024
carrydv cancer stroknow	41.974 48.177 -70.394	743	50.93704 66.47236 174.9704		0.824 0.725 -0.402	0.410 0.469 0.688	-	57.989 -82.27 113.77	45	141.9 178.6 272.9	385 294
heartevr workpay annearn	28.392 -482.98 13.590	225 305	59.29613 198.1334 1.534241		0.479 -2.438 8.858	0.632 0.015 0.000	- 8 - 8	37.976 371.81 L0.579	34 72	144.7 -94.1 16.60	608 439
hourswk jobten	1.0959 13.623	975 386	1.934929 2.378519		0.566 5.728	0.571 0.000	-2	2.7013 3.9560	321)17	4.893 18.2	271 917
ntwth000 numjobs5 pension	0332 94.149 141.61	978 L62	.0958874 18.8694 50.3888		-0.347 4.990 2.810	0.729 0.000 0.005	4	221 7.118 12.728	359 323	.1548 131. 240.5	181 042
selfemp annage2 weeksyr	177.81 -3.1132 7.8106	207 538	87.07981 2.43192 3.888445		2.042 -1.280 2.009	0.041 0.201 0.045	-5	5.9196 7.8858 .17956	848 884	348.7 1.659 15.44	434 171
_cons Adj R-squa	7587.7 ared = 0.	738 . 4039	6366.699		1.192	0.234	- 4	1906.9	01	20082	.38

Nonmarried	Women	(cont.)
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II. Dep. Var. F	` /						
		. Err.	t	P> t	:	[95% Conf. I	nterval]
	+						
age	-168.465	95.13677		-1.771	0.077	-355.1708	
agesq	1.568706	.8498829		1.846	0.065	0991885	
educ	2.907842	3.225456		0.902	0.368	-3.422112	
white	24.29465	16.7795		1.448	0.148	-8.635096	
numkids	-24.27847	3.9077		-6.213	0.000	-31.94733	
walk2dv	39.78969	32.22132		1.235	0.217	-23.44462	103.024
carrydv	24.82156	21.28282		1.166	0.244	-16.94596	66.58907
cancer	42.92786	27.77388		1.546	0.123	-11.57834	97.43406
stroknow	-21.97503	73.10718		-0.301	0.764	-165.4478	121.4977
heartevr	-4.982906	24.77546		-0.201	0.841	-53.60472	43.63891
workpay	-161.9883	82.78529		-1.957	0.051	-324.4544	.4777164
annearn	4.255469	.6410456		6.638	0.000	2.997418	5.51352
hourswk	.6781848	.8084636		0.839	0.402	9084241	2.264794
jobten	4.878727	.9938069		4.909	0.000	2.928382	6.829072
ntwth000	0202183	.0400642		-0.505	0.614	0988443	.0584077
numjobs5	50.79038	7.884127		6.442	0.000	35.31779	
pension	68.90581	21.05375		3.273	0.001	27.58785	
selfemp	44.81618	36.3842		1.232	0.218	-26.58778	
annage2	-1.386944	1.016119		-1.365	0.173	-3.381077	
weeksyr	3.765216	1.624693		2.317	0.021	.5767574	
cons	4745.518	2660.172		1.784	0.075	-475.0665	
Adi R-squa	1			1.701	0.075	173.0003	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Adj K bqut							
III. Dep Var P	IAER						
III. Dep Var P		Err.	t	P> t		[95% Conf. Int	erval]
III. Dep Var P	Coef. Std.	Err.	t	P> t		[95% Conf. Int	erval]
III. Dep Var P	Coef. Std. +	99.51045	t	-2.130	0.033	-407.2236	-16.6453
age agesq	Coef. Std. +	99.51045 .8889541	t	-2.130 2.105	0.033 0.036	-407.2236 .1269862	-16.6453 2 3.616129
age	Coef. Std. +	99.51045	t	-2.130 2.105 1.268	0.033	-407.2236	-16.6453 2 3.616129
age agesq	Coef. Std. +	99.51045 .8889541	t	-2.130 2.105	0.033 0.036	-407.2236 .1269862	-16.6453 3.616129 10.89763
age agesq educ	Coef. Std. -211.9344 1.871558 4.276669	99.51045 .8889541 3.373738	t	-2.130 2.105 1.268	0.033 0.036 0.205	-407.2236 .1269862 -2.344288	-16.6453 2 3.616129 3 10.89763 64.04499
age agesq educ white	Coef. Std. +	99.51045 .8889541 3.373738 17.55089	t	-2.130 2.105 1.268 1.687	0.033 0.036 0.205 0.092	-407.2236 .1269862 -2.344288 -4.842223	-16.6453 2 3.616129 3 10.89763 64.04499 -13.25384
age agesq educ white numkids	Coef. Std. -211.9344 1.871558 4.276669 29.60138 -21.27525	99.51045 .8889541 3.373738 17.55089 4.087347	t	-2.130 2.105 1.268 1.687 -5.205	0.033 0.036 0.205 0.092 0.000	-407.2236 .1269862 -2.344288 -4.842223 -29.29667	-16.6453 3.616129 10.89763 64.04499 -13.25384 102.7481
age agesq educ white numkids walk2dv	Coef. Std211.9344 1.871558 4.276669 29.60138 -21.27525 36.60671	99.51045 .8889541 3.373738 17.55089 4.087347 33.70261	t	-2.130 2.105 1.268 1.687 -5.205 1.086	0.033 0.036 0.205 0.092 0.000 0.278	-407.2236 .1269862 -2.344288 -4.84223 -29.29667 -29.53463	-16.6453 3.616129 10.89763 64.04499 7-13.25384 102.7481 74.03102
age agesq educ white numkids walk2dv carrydv	Coef. Std211.9344 1.871558 4.276669 29.60138 -21.27525 36.60671 30.34336 38.34659	99.51045 .8889541 3.373738 17.55089 4.087347 33.70261 22.26124 29.05071	t		0.033 0.036 0.205 0.092 0.000 0.278 0.173 0.187	-407.2236 .1269862 -2.344288 -4.842223 -29.29667 -29.53463 -13.34431 -18.6654	-16.6453 3.616129 10.89763 64.04499 7-13.25384 102.7481 74.03102 95.35857
age agesq educ white numkids walk2dv carrydv cancer	Coef. Std211.9344 1.871558 4.276669 29.60138 -21.27525 36.60671 30.34336	99.51045 .8889541 3.373738 17.55089 4.087347 33.70261 22.26124	t	-2.130 2.105 1.268 1.687 -5.205 1.086 1.363	0.033 0.036 0.205 0.092 0.000 0.278 0.173	-407.2236 .1269862 -2.344288 -4.842223 -29.29667 -29.53463 -13.34431	-16.6453 3.616129 10.89763 64.04499 -13.25384 102.7481 74.03102 95.35857 141.3948
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr	Coef. Std211.9344 1.871558 4.276669 29.60138 -21.27525 36.60671 30.34336 38.34659 -8.673755	99.51045 .8889541 3.373738 17.55089 4.087347 33.70261 22.26124 29.05071 76.46809	t	-2.130 2.105 1.268 1.687 -5.205 1.086 1.363 1.320 -0.113	0.033 0.036 0.205 0.092 0.000 0.278 0.173 0.187 0.910	-407.2236 .1269862 -2.344288 -4.84223 -29.29667 -29.53463 -13.34431 -18.6654 -158.7423	-16.6453 3.616129 10.89763 64.04499 7-13.25384 102.7481 74.03102 95.35857 141.3948
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay	Coef. Std211.9344 1.871558 4.276669 29.60138 -21.27525 36.60671 30.34336 38.34659 -8.673755 6.016669 -195.0824	99.51045 .8889541 3.373738 17.55089 4.087347 33.70261 22.26124 29.05071 76.46809 25.91445 86.59113	t	-2.130 2.105 1.268 1.687 -5.205 1.086 1.363 1.320 -0.113 0.232 -2.253	0.033 0.036 0.205 0.092 0.000 0.278 0.173 0.187 0.910 0.816 0.024	-407.2236 .1269862 -2.344288 -4.84223 -29.29667 -29.53463 -13.34431 -18.6654 -158.7423 -44.84041 -365.0174	-16.6453 3.616129 10.89763 64.04499 -13.25384 102.7481 74.03102 95.35857 141.3948 56.87375 4 -25.14742
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn	Coef. Std211.9344 1.871558 4.276669 29.60138 -21.27525 36.60671 30.34336 38.34659 -8.673755 6.016669 -195.0824 6.035441	99.51045 .8889541 3.373738 17.55089 4.087347 33.70261 22.26124 29.05071 76.46809 25.91445 86.59113 .670516	t	-2.130 2.105 1.268 1.687 -5.205 1.086 1.363 1.320 -0.113 0.232 -2.253 9.001	0.033 0.036 0.205 0.092 0.000 0.278 0.173 0.187 0.910 0.816 0.024	-407.2236 .1269862 -2.344288 -4.84223 -29.29667 -29.53463 -13.34431 -18.6654 -158.7423 -44.84041 -365.0174 4.719554	-16.6453 3.616129 10.89763 64.04499 7-13.25384 102.7481 74.03102 95.35857 141.3948 56.87375 4-25.14742
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk	Coef. Std211.9344 1.871558 4.276669 29.60138 -21.27525 36.60671 30.34336 38.34659 -8.673755 6.0166699 -195.0824 6.035441 .8786783	99.51045 .8889541 3.373738 17.55089 4.087347 33.70261 22.26124 29.05071 76.46809 25.91445 86.59113 .670516 .8456306	t	-2.130 2.105 1.268 1.687 -5.205 1.086 1.363 1.320 -0.113 0.232 -2.253 9.001 1.039	0.033 0.036 0.205 0.092 0.000 0.278 0.173 0.187 0.910 0.816 0.024 0.000 0.299	-407.2236 .1269862 -2.344288 -4.842223 -29.29667 -29.53463 -13.34431 -18.6654 -158.7423 -44.84041 -365.0174 4.719554 -7808709	-16.6453 3.616129 10.89763 64.04499 7-13.25384 102.7481 74.03102 95.35857 141.3948 56.87375 56.87375 4-25.14742 7.351328 2.538228
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten	Coef. Std211.9344 1.871558 4.276669 29.60138 -21.27525 36.60671 30.34336 38.34659 -8.673755 6.016669 -195.0824 6.035441 .8786783 4.026279	99.51045 .8889541 3.373738 17.55089 4.087347 33.70261 22.26124 29.05071 76.46809 25.91445 86.59113 .670516 .8456306 1.039495	t	-2.130 2.105 1.268 1.687 -5.205 1.086 1.363 1.320 -0.113 0.232 -2.253 9.001 1.039 3.873	0.033 0.036 0.205 0.092 0.000 0.278 0.173 0.187 0.910 0.816 0.024 0.0024 0.000 0.299	-407.2236 .1269862 -2.344288 -4.842223 -29.29667 -29.53463 -13.34431 -18.6654 -158.7423 -44.84041 -365.0174 4.719554 -7808709 1.986272	-16.6453 3.616129 10.89763 64.04499 7-13.25384 102.7481 74.03102 95.35857 141.3948 56.87375 25.14742 7.351328 2.538228 6.066287
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000	Coef. Std211.9344 1.871558 4.276669 29.60138 -21.27525 36.60671 30.34336 38.34659 -8.673755 6.016669 -195.0824 6.035441 .8786783 4.0262790186262	99.51045 .8889541 3.373738 17.55089 4.087347 33.70261 22.26124 29.05071 76.46809 25.91445 86.59113 .670516 .8456306 1.039495 .0419061	t	-2.130 2.105 1.268 1.687 -5.205 1.086 1.363 1.320 -0.113 0.232 -2.253 9.001 1.039 3.873 -0.444	0.033 0.036 0.205 0.092 0.000 0.278 0.173 0.187 0.910 0.816 0.024 0.000 0.299 0.000	-407.2236 .1269862 -2.344288 -4.84223 -29.29667 -29.53463 -13.34431 -18.6654 -158.7423 -44.84041 -365.0174 4.719554 7808709 1.986272 1008669	-16.6453 3.616129 10.89763 64.04499 7-13.25384 102.7481 74.03102 95.35857 141.3948 56.87375 4-25.14742 7.351328 2.538228 6.066287 0.0636144
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5	Coef. Std211.9344 1.871558 4.276669 29.60138 -21.27525 36.60671 30.34336 38.34659 -8.673755 6.016669 -195.0824 6.035441 .8786783 4.0262790186262 45.5389	99.51045 .8889541 3.373738 17.55089 4.087347 33.70261 22.26124 29.05071 76.46809 25.91445 86.59113 .670516 .8456306 1.039495 .0419061 8.246579	t		0.033 0.036 0.205 0.092 0.000 0.278 0.173 0.187 0.910 0.816 0.024 0.000 0.299 0.000 0.657 0.000	-407.2236 .1269862 -2.344288 -4.84223 -29.2966 -29.53463 -13.34431 -18.6654 -158.7422 -44.84041 -365.0174 4.719554 7808709 1.986272 1008669 29.355	-16.6453 3.616129 10.89763 64.04499 7-13.25384 102.7481 74.03102 95.35857 141.3948 56.87375 25.14742 7.351328 2.538228 6.066287 .0636144 61.72281
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension	Coef. Std211.9344 1.871558 4.276669 29.60138 -21.27525 36.60671 30.34336 38.34659 -8.673755 6.016669 -195.0824 6.035441 .8786783 4.026279 -0186262 45.5389 66.03633	99.51045 .8889541 3.373738 17.55089 4.087347 33.70261 22.26124 29.05071 76.46809 25.91445 86.59113 .670516 .8456306 1.039495 .0419061 8.246579 22.02164	t		0.033 0.036 0.205 0.092 0.000 0.278 0.173 0.187 0.910 0.816 0.024 0.000 0.299 0.000 0.657 0.000	-407.2236 .1269862 -2.344288 -4.84223 -29.29667 -29.53463 -13.34431 -18.6654 -158.7423 -44.84041 -365.0174 4.719554 7808709 1.986272 1008669 29.355 22.81889	-16.6453 3.616129 10.89763 6.64.04499 7.13.25384 102.7481 74.03102 95.35857 141.3948 5.56.87375 4.25.14742 7.351328 2.538228 6.066287 .0636144 6.172281
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension selfemp	Coef. Std211.9344 1.871558 4.276669 29.60138 -21.27525 36.60671 30.34336 38.34659 -8.673755 6.016669 -195.0824 6.035441 .8786783 4.026279 -0186262 45.5389 66.03633 35.83119	99.51045 .8889541 3.373738 17.55089 4.087347 33.70261 22.26124 29.05071 76.46809 25.91445 86.59113 .670516 .8456306 1.039495 .0419061 8.246579 22.02164 38.05688	t	-2.130 2.105 1.268 1.687 -5.205 1.086 1.363 1.320 -0.113 0.232 -2.253 9.001 1.039 3.873 -0.444 5.522 2.999 0.942	0.033 0.036 0.205 0.092 0.000 0.278 0.173 0.187 0.910 0.816 0.024 0.000 0.299 0.000 0.657 0.003	-407.2236 .1269862 -2.344288 -4.84223 -29.29667 -29.53463 -13.34431 -18.6654 -158.7423 -44.84041 -365.0174 4.719554 7808709 1.986272 -1008669 29.355 22.81889 -38.85539	-16.6453 3.616129 10.89763 64.04499 7-13.25384 102.7481 74.03102 95.35857 141.3948 56.87375 4-25.14742 7.351328 2.538228 6.066287 0.0636144 61.72231 109.2538
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension selfemp annage2	Coef. Std211.9344 1.871558 4.276669 29.60138 -21.27525 36.60671 30.34336 38.34659 -8.673755 6.016669 -195.0824 6.035441 .8786783 4.026279 -0186262 45.5389 66.03633 35.83119 -1.310017	99.51045 .8889541 3.373738 17.55089 4.087347 33.70261 22.26124 29.05071 76.46809 25.91445 86.59113 .670516 .8456306 1.039495 .0419061 8.246579 22.02164 38.05688 1.062833	t	-2.130 2.105 1.268 1.687 -5.205 1.086 1.363 1.320 -0.113 0.232 -2.253 9.001 1.039 3.873 -0.444 5.522 2.999 0.942 -1.233	0.033 0.036 0.205 0.092 0.090 0.278 0.173 0.187 0.910 0.816 0.024 0.000 0.299 0.000 0.657 0.000 0.003 0.347 0.218	-407.2236 .1269862 -2.344288 -4.842223 -29.29667 -29.53463 -13.34431 -18.6654 -158.7423 -44.84041 -365.0174 4.719554 7808709 1.986272 1008669 29.355 22.81889 -38.85539 -3.395825	-16.6453 3.616129 10.89763 64.04499 7-13.25384 102.7481 74.03102 95.35857 141.3948 56.87375 25.14742 7.351328 2.538228 6.066287 .0636144 61.72281 109.2538 110.5178 .775792
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension selfemp annage2 weeksyr	Coef. Std211.9344 1.871558 4.276669 29.60138 -21.27525 36.60671 30.34336 38.34659 -8.673755 6.016669 -195.0824 6.035441 .8786783 4.0262790186262 45.5389 66.03633 35.83119 -1.310017 5.10696	99.51045 .8889541 3.373738 17.55089 4.087347 33.70261 22.26124 29.05071 76.46809 25.91445 86.59113 .670516 .8456306 1.039495 .0419061 8.246579 22.02164 38.05688 1.062833 1.699384	t		0.033 0.036 0.205 0.092 0.000 0.278 0.173 0.187 0.910 0.816 0.024 0.000 0.299 0.000 0.657 0.000 0.003	-407.2236 .1269862 -2.344288 -4.84223 -29.29667 -29.53463 -13.34431 -18.6654 -158.7423 -44.84041 -365.0174 4.719554 7808709 1.986272 1008669 29.355 22.81889 -38.85539 -3.395825 1.77192	-16.6453 3.616129 10.89763 64.04499 7-13.25384 102.7481 74.03102 95.35857 141.3948 56.87375 4-25.14742 7.351328 2.538228 6.066287 0.0636144 61.72281 109.2538 110.5178 775792 8.442
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension selfemp annage2	Coef. Std211.9344 1.871558 4.276669 29.60138 -21.27525 36.60671 30.34336 38.34659 -8.673755 6.016669 -195.0824 6.035441 .8786783 4.0262790186262 45.5389 66.03633 35.83119 -1.310017 5.10696 6210.485	99.51045 .8889541 3.373738 17.55089 4.087347 33.70261 22.26124 29.05071 76.46809 25.91445 86.59113 .670516 .8456306 1.039495 .0419061 8.246579 22.02164 38.05688 1.062833 1.699384 2782.467	t	-2.130 2.105 1.268 1.687 -5.205 1.086 1.363 1.320 -0.113 0.232 -2.253 9.001 1.039 3.873 -0.444 5.522 2.999 0.942 -1.233	0.033 0.036 0.205 0.092 0.090 0.278 0.173 0.187 0.910 0.816 0.024 0.000 0.299 0.000 0.657 0.000 0.003 0.347 0.218	-407.2236 .1269862 -2.344288 -4.842223 -29.29667 -29.53463 -13.34431 -18.6654 -158.7423 -44.84041 -365.0174 4.719554 7808709 1.986272 1008669 29.355 22.81889 -38.85539 -3.395825	-16.6453 3.616129 10.89763 64.04499 7-13.25384 102.7481 74.03102 95.35857 141.3948 56.87375 4-25.14742 7.351328 2.538228 6.066287 0.0636144 61.72281 109.2538 110.5178 775792 8.442

Nonmarried	Women ((cont.)
IV Den Var	PIANR	

IV. Dep.Var. I									
	Coef.	Std.	Err.	t	P>	t	[95% Cont	. Int	erval]
age	-262.4	1847	103.3997		2.539	0.011	-465.	4065	-59.56284
agesq	2.310		.923698		2.501	0.013		6407	4.123153
educ	4.445		3.505598		1.268	0.205	-2.43		11.32494
white	34.61		18.23685		1.898	0.058	-1.17		70.40741
numkids	-19.53		4.247097		4.599	0.000		8657	-11.19585
walk2dv	38.04		35.01985		1.086	0.278	-30.6		106.7727
carrydv	32.41		23.1313		1.401	0.161	-12.9		77.80565
cancer	40.54		30.18613		1.343	0.180	-18.6		99.78186
stroknow	-3.234		79.45678		0.041	0.968		.168	152.6997
heartevr	7.760		26.92729		0.288	0.773	-45.0		60.6055
workpay	-206.4		89.97546		2.295	0.022	-383.		-29.9092
annearn	6.727		.6967225		9.656	0.000		0132	8.094767
hourswk	1.101		.8786813		1.253	0.210	623		2.82578
jobten	3.816		1.080122		3.533	0.000		6762	5.93624
ntwth000	0195		.043544	_	0.449	0.653	105		.0658908
numjobs5	44.4		8.568889		5.182	0.000		9126	61.22414
pension	66.5	5087	22.88234		2.907	0.004		0214	111.4153
selfemp	30.66		39.54429		0.775	0.438	-46.9	4295	108.2683
annage2	-1.358	3204	1.104373	_	1.230	0.219	-3.52		.8091265
weeksyr	5.566		1.765803		3.152	0.002		0892	9.031666
cons	7657.		2891.217		2.649	0.008		.777	13331.8
Adj R-squa	ared = 0	.4663							
V. Dep. Var. V			_		-	L. I	[050 %		2.1
V. Dep. Var. V	Worklt50 Coef.	_ Std.	Err.	t 	P>	t 	[95% Conf	. Int	erval]
V. Dep. Var. V			Err. 3.045411		P> 1.980	t 0.048	[95% Conf		erval] 0543974
	Coef.	 L014						0763	
age	Coef. + -6.031	 L014 2739	3.045411		1.980	0.048	-12.0	0763 6517	0543974
age agesq	Coef. + -6.031 .052	 L014 2739 5275	3.045411 .0272055		1.980 1.939	0.048 0.053	-12.0 000	0763 6517 1548	 0543974 .1061298
age agesq educ	Coef. + -6.031 .052 0925	1014 2739 5275 3166	3.045411 .0272055 .1032497	 - - -	1.980 1.939 0.896	0.048 0.053 0.370	-12.0 000 295 -1.53	0763 6517 1548 7427 6222	0543974 .1061298 .1100999
age agesq educ white	Coef. + -6.031 .052 0925 4833 9167 .6916	1014 2739 5275 3166 7328	3.045411 .0272055 .1032497 .5371264 .1250889 1.031433	 - - -	1.980 1.939 0.896 0.900	0.048 0.053 0.370 0.368	-12.0 000 295 -1.53	0763 6517 1548 7427	0543974 .1061298 .1100999 .5707933
age agesq educ white numkids	Coef. + -6.031 .052 0925 4833 9167 .6916	1014 2739 5275 3166 7328 5657	3.045411 .0272055 .1032497 .5371264 .1250889 1.031433 .6812816	 - - -	1.980 1.939 0.896 0.900 7.329	0.048 0.053 0.370 0.368 0.000 0.503 0.494	-12.0 000 295 -1.53	0763 6517 1548 7427 6222	0543974 .1061298 .1100999 .5707933 671246
age agesq educ white numkids walk2dv	Coef. + -6.031 .052 0925 4833 9167 .6916	1014 2739 5275 3166 7328 5657	3.045411 .0272055 .1032497 .5371264 .1250889 1.031433	 - - - -	1.980 1.939 0.896 0.900 7.329 0.671	0.048 0.053 0.370 0.368 0.000 0.503	-12.0 000 295 -1.53 -1.1	0763 6517 1548 7427 6222 3252 9066	0543974 .1061298 .1100999 .5707933 671246 2.715851
age agesq educ white numkids walk2dv carrydv	Coef. + -6.031 .052 0925 4833 9167 .6916	1014 2739 5275 3166 7328 5657 1079	3.045411 .0272055 .1032497 .5371264 .1250889 1.031433 .6812816	 - - -	1.980 1.939 0.896 0.900 7.329 0.671 0.684	0.048 0.053 0.370 0.368 0.000 0.503 0.494	-12.0 000 295 -1.53 -1.1 -1.3	0763 6517 1548 7427 6222 3252 9066 1696	0543974 .1061298 .1100999 .5707933 671246 2.715851 1.803122
age agesq educ white numkids walk2dv carrydv cancer	Coef. -6.031 .052 0925 4833 9167 .6916 .4661 1.621 2281 -1.138	1014 2739 5275 3166 7328 5657 1079 1621 1025	3.045411 .0272055 .1032497 .5371264 .1250889 1.031433 .6812816 .889066 2.340225 .7930841	 - - -	1.980 1.939 0.896 0.900 7.329 0.671 0.684 1.824 0.097 1.435	0.048 0.053 0.370 0.368 0.000 0.503 0.494 0.068 0.922 0.152	-12.0 000 295 -1.53 -1.1 -1.3 870 123 -4.82	0763 6517 1548 7427 6222 3252 9066 1696 0791	543974 .1061298 .1100999 .5707933 671246 2.715851 1.803122 3.366413 4.364586 .418219
age agesq educ white numkids walk2dv carrydv cancer stroknow	Coef. -6.031 .052 0925 4833 9167 .6916 .4661 1.621 2281 -1.138 -4.331	1014 2739 5275 3166 7328 5657 1079 1621 1025 3208	3.045411 .0272055 .1032497 .5371264 .1250889 1.031433 .6812816 .889066 2.340225 .7930841 2.650029	 - - - -	1.980 1.939 0.896 0.900 7.329 0.671 0.684 1.824 0.097 1.435 1.634	0.048 0.053 0.370 0.368 0.000 0.503 0.494 0.068 0.922 0.152 0.102	-12.0 000 295 -1.53 -1.1 -1.3 870 123 -4.82 -2.69 -9.53	0763 6517 1548 7427 6222 3252 9066 1696 0791 4634 2074	543974 .1061298 .1100999 .5707933 671246 2.715851 1.803122 3.366413 4.364586 .418219 .8692851
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr	Coef. -6.031 .052 0925 4833 9167 .6916 .4661 1.621 2281 -1.138	1014 2739 5275 3166 7328 5657 1079 1621 1025 3208	3.045411 .0272055 .1032497 .5371264 .1250889 1.031433 .6812816 .889066 2.340225 .7930841	 - - - -	1.980 1.939 0.896 0.900 7.329 0.671 0.684 1.824 0.097 1.435	0.048 0.053 0.370 0.368 0.000 0.503 0.494 0.068 0.922 0.152	-12.0 000 295 -1.53 -1.1 -1.3 870 123 -4.82	0763 6517 1548 7427 6222 3252 9066 1696 0791 4634 2074	543974 .1061298 .1100999 .5707933 671246 2.715851 1.803122 3.366413 4.364586 .418219
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay	Coef. -6.031 .052 0925 4833 9167 .6916 .4661 1.621 2281 -1.138 -4.331	1014 2739 5275 3166 7328 5657 1079 1621 1025 3208 1395	3.045411 .0272055 .1032497 .5371264 .1250889 1.031433 .6812816 .889066 2.340225 .7930841 2.650029	 - - - - -	1.980 1.939 0.896 0.900 7.329 0.671 0.684 1.824 0.097 1.435 1.634	0.048 0.053 0.370 0.368 0.000 0.503 0.494 0.068 0.922 0.152 0.102	-12.0 000 295 -1.53 -1.1 -1.3 870 123 -4.82 -2.69 -9.53	0763 6517 1548 7427 6222 3252 9066 1696 0791 4634 2074 7212	543974 .1061298 .1100999 .5707933 671246 2.715851 1.803122 3.366413 4.364586 .418219 .8692851
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn	Coef6.031 .052092548339167 .6916 .4661 1.6212281 -1.138 -4.331	1014 2739 5275 3166 3328 5657 1079 1621 1025 3208 1395 5501	3.045411 .0272055 .1032497 .5371264 .1250889 1.031433 .6812816 .889066 2.340225 .7930841 2.650029		1.980 1.939 0.896 0.900 7.329 0.671 0.684 1.824 0.097 1.435 1.634 1.732	0.048 0.053 0.370 0.368 0.000 0.503 0.494 0.068 0.922 0.152 0.102 0.084	-12.0 000 295 -1.53 -1.1 -1.3 870 123 -4.82 -2.69 -9.53 004 061	0763 6517 1548 7427 6222 3252 9066 1696 0791 4634 2074 7212	
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk	Coef6.031 .052092548339167 .6916 .4661 1.6212281 -1.138 -4.331 .0355	2739 5275 3166 7328 6657 1079 1621 1025 3208 1395 5501 2033	3.045411 .0272055 .1032497 .5371264 .1250889 1.031433 .6812816 .889066 2.340225 .7930841 2.650029 .0205204	 - - - - -	1.980 1.939 0.896 0.900 7.329 0.671 0.684 1.824 1.824 1.634 1.732 0.433	0.048 0.053 0.370 0.368 0.000 0.503 0.494 0.068 0.922 0.152 0.102 0.084 0.665	-12.0 000 295 -1.53 -1.1 -1.3 870 123 -4.82 -2.69 -9.53 004 061	0763 6517 1548 7427 6222 3252 9066 1696 0791 4634 2074 7212 9921 3376	
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5	Coef6.031 .052092548339167 .6916 .4661 1.6212281 -1.138 -4.331 .03550112	L014 2739 3275 3166 7328 5657 L079 L621 L025 3208 L395 5501 2033 7699	3.045411 .0272055 .1032497 .5371264 .1250889 1.031433 .6812816 .889066 2.340225 .7930841 2.650029 .0205204 .0258796		1.980 1.939 0.896 0.900 7.329 0.671 0.684 1.824 0.097 1.435 1.634 1.732 0.433 5.462 2.529 8.225	0.048 0.053 0.370 0.368 0.000 0.503 0.494 0.068 0.922 0.152 0.102 0.084 0.665 0.000 0.012	-12.0 000 295 -1.53 -1.1 -1.3 870 123 -4.82 -2.69 -9.53 004 061 .111	0763 6517 1548 7427 6222 3252 9066 1696 0791 4634 2074 7212 9921 3376	
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension	Coef6.031 .052092548339167 .6916 .4661 1.6212281 -1.138 -4.331 .03550112 .17370032 2.075	1014 2739 3166 328 5657 1079 1621 1025 3208 1395 5501 2033 7699 2436 5933	3.045411 .0272055 .1032497 .5371264 .1250889 1.031433 .6812816 .889066 2.340225 .7930841 2.650029 .0205204 .0258796 .0318126 .0012825 .2523778 .6739489		1.980 1.939 0.896 0.900 7.329 0.671 0.684 1.824 0.435 1.634 1.732 0.433 5.462 2.529 3.100	0.048 0.053 0.370 0.368 0.000 0.503 0.494 0.068 0.922 0.152 0.102 0.084 0.665 0.000 0.012	-12.0 000 295 -1.53 -1.1 -1.3 870 123 -4.82 -2.69 -9.53 004 061 .111 005 1.58	763 6517 1548 7427 6222 3252 9066 1696 0791 4634 2074 7212 9921 3376 7605 0642	
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5	Coef6.031 .052092548339167 .6916 .4661 1.6212281 -1.138 -4.331 .03550112 .17370032 2.075	1014 2739 3166 328 5657 1079 1621 1025 3208 1395 5501 2033 7699 2436 5933	3.045411 .0272055 .1032497 .5371264 .1250889 1.031433 .6812816 .889066 2.340225 .7930841 2.650029 .0205204 .0258796 .0318126		1.980 1.939 0.896 0.900 7.329 0.671 0.684 1.824 0.097 1.435 1.634 1.732 0.433 5.462 2.529 8.225	0.048 0.053 0.370 0.368 0.000 0.503 0.494 0.068 0.922 0.152 0.102 0.084 0.665 0.000 0.012	-12.0000295 -1.53 -1.1 -1.3870123 -4.82 -2.69 -9.53004061111005	763 6517 1548 7427 6222 3252 9066 1696 0791 4634 2074 7212 9921 3376 7605 0642	
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension selfemp annage2	Coef6.031 .052 -0925 -4833 -9167 .6916 1.621 -2281 -1.138 -4.331 -0355 -0112 .1737 -0032 2.075 2.088 1.170	2739 3739 3739 37328 37328 3657 2079 2621 2025 3208 3395 3501 2033 7699 2436 3993 3993	3.045411 .0272055 .1032497 .5371264 .1250889 1.031433 .6812816 .889066 2.340225 .7930841 2.650029 .0205204 .0258796 .0318126 .0012825 .2523778 .6739489 1.16469		1.980 1.939 0.896 0.900 7.329 0.671 0.684 1.824 0.097 1.435 1.634 1.732 0.433 5.462 2.529 8.225 3.100 1.005 0.500	0.048 0.053 0.370 0.368 0.000 0.503 0.494 0.068 0.922 0.152 0.102 0.084 0.665 0.000 0.012 0.000 0.002 0.315 0.617	-12.0 000 295 -1.53 -1.1 -1.3 870 123 -4.82 -2.69 -9.53 004 061 .111 005 1.58 .766 -1.11	 0763 6517 1548 7427 6222 3252 9066 1696 0791 4634 2074 7212 9921 3376 7605 0642 3686 5018	
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension selfemp	Coef6.031 .052 -0925 -4833 -9167 .6916 .4661 1.621 -2281 -1.138 -4.331 .0355 -0112 .1737 -0032 2.075 2.088 1.170	2739 3275 3166 7328 5657 1079 1621 1025 3208 1395 1501 1699 2436 5933 7699 2436 5933 7699 2436 5933 7699 2436 5933 7699 2436 8208	3.045411 .0272055 .1032497 .5371264 .1250889 1.031433 .6812816 .889066 2.340225 .7930841 2.650029 .0205204 .0258776 .0318126 .0012825 .2523778 .6739489 1.16469 .0325269		1.980 1.939 0.896 0.900 7.329 0.671 0.684 1.824 0.097 1.435 1.634 1.732 0.634 1.732 0.463 2.529 8.225 3.100 1.005 0.500 0.500	0.048 0.053 0.370 0.368 0.000 0.503 0.494 0.068 0.922 0.152 0.102 0.084 0.665 0.000 0.012 0.000 0.012 0.000	-12.0000295 -1.53 -1.1 -1.3870123 -4.82 -2.69 -9.53004061 .111005 1.58 .766 -1.11080	 0763 6517 1548 7427 6222 3252 9066 1696 0791 4634 2074 7212 9376 7605 0642 3686 5018	
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay annearn hourswk jobten ntwth000 numjobs5 pension selfemp annage2	Coef6.031 .052092548339167 .6916 .4661 1.6212281 -1.138 -4.331 .03550112 .17370032 2.075 2.088 1.170 1.262 188.6	2739 3275 3166 7328 5657 1079 1621 1025 3208 1395 1501 1699 2436 5933 7699 2436 5933 7699 2436 5933 7699 2436 5933 7699 2436 8208	3.045411 .0272055 .1032497 .5371264 .1250889 1.031433 .6812816 .889066 2.340225 .7930841 2.650029 .0205204 .0258796 .0318126 .0012825 .2523778 .6739489 1.16469 .0325269 .0325269		1.980 1.939 0.896 0.900 7.329 0.671 0.684 1.824 0.097 1.435 1.634 1.732 0.433 5.462 2.529 8.225 3.100 1.005 0.500	0.048 0.053 0.370 0.368 0.000 0.503 0.494 0.068 0.922 0.152 0.102 0.084 0.665 0.000 0.012 0.000 0.002 0.315 0.617	-12.0000295 -1.53 -1.1 -1.3870123 -4.82 -2.69 -9.53004061 .111005 1.58 .766 -1.11080	 0763 6517 1548 7427 6222 3252 9066 1696 0791 4634 2074 7212 9921 3376 7605 0642 3686 5018	

Note: Number of observations reported in Appendix D as Sample 4. All analysis conducted with HRS sample weights; see text. Dependent variables are Average Indexed Monthly Earnings (AIME, var.5), current PIA (PIANOW, var 6), early and normal retirement age PIA (PIAER and PIANR, vars. 7 and 8), and years worked to age 50 (computed by authors using vars. 44-46). All explanatory variables are taken from HRS Wave 1: Age: respondent's age. Agesq: Square of age. Educ.: years of education. White: 1=yes, 0=no. Numkids: number of own children. Walk2dv: =1 can walk 2 blocks readily, =0,no. Carrydv: =1 can carry 10 lb. weight readily, =0 no. Cancer: =1 ever had, =0 no. Stroknow: =1 recent stroke, =0 no. Heartnow: =1 recent heart trouble, 0 no. Workpay: =1 current have paid job, =0 no. Annearn: annual earnings/1000. Hourswk: Hours of work per week. Jobten: yrs on current job. NetWorth(000): Net worth /1000. NumJobs<50: No. of jobs held by age 50. Pension: =1 have pension, =0 no. Selfemp:=1 self employed, 0 no. Annage2: age expects to receive pension (or social security if no pension age). WeeksWork/yr: number of weeks worked/year.

Appendix C. Descriptive Linear Regression Models for Selected EBF Constructed Social Security Wealth Variables

(NB: Variable definitions appear in note at end of table)

Married	Men	(N=	2186)
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I Den Var R	espondent's Own S	SW at Normal R	etirement			
1. Бор. тиг. к	Coef. Std.		t P> t		[95% Conf. Inter	rval]
age	+ -26475.3	8008.824	-3.306	0.001	-42181.09	-10769.5
agesq	250.1029	71.53117	3.496	0.000	109.8258	390.3799
educ	3.974589	230.8065	0.017	0.986	-448.6511	456.6003
white	15577.2	1861.703	8.367	0.000	11926.29	19228.11
numkids	161.0844	337.9194	0.477	0.634	-501.5962	823.765
walk2dv	2807.912	4320.717	0.650	0.516	-5665.279	11281.1
carrydv	12617.61	3370.174	3.744	0.000	6008.496	19226.73
cancer	-1446.567	3695.553	-0.391	0.696	-8693.773	5800.638
stroknow	-9713.965	7600.556	-1.278	0.201	-24619.12	5191.191
heartevr	-767.175	1866.509	-0.411	0.681	-4427.514	2893.164
workpay	-240.2068	6504.127	-0.037	0.971	-12995.2	12514.78
paylfive	87.18764	23.90533	3.647	0.000	40.30782	134.0675
paylast	222.8958	54.57015	4.085	0.000	115.8804	329.9112
annearn	111.0773	17.30033	6.421	0.000	77.15026	145.0043
hourswk	147.6985	60.05867	2.459	0.014	29.91975	265.4772
jobten	134.4027	71.73393	1.874	0.061	-6.271937	275.0773
ntwth000	3.229469	1.199471	2.692	0.007	.8772329	5.581705
numjobs5	840.0105	660.4324	1.272	0.204	-455.1378	2135.159
pension	9025.789	1860.606	4.851	0.000	5377.027	12674.55
selfemp	-4425.026	2144.554	-2.063	0.039	-8630.627	-219.4251
annage2	196.4277	78.72237	2.495	0.013	42.04831	350.8071
weeksyr	100.6626	115.43	0.872	0.383	-125.7026	327.0279
_cons	719272.7	223658	3.216	0.001	280665.7	1157880
Adj R-squa	ared = 0.1830	J				
II. Dep. Var. (Couple's SSW at No	ormal Retiremen	nt			
II. Dep. Var.	Couple's SSW at No Coef. Std		<u>nt</u> t P> t	=	[95% Conf. Int	erval]
	Coef. Std	. Err.	t P> t	·		
age	Coef. Std +	Err. 12397.43	t P> t 	0.005	-58788.55	-10164.31
age agesq	Coef. Std + -34476.43 331.4868	12397.43 110.7282	t P> t 	0.005	-58788.55 114.342	 -10164.31 548.6316
age	Coef. Std +	Err. 12397.43	t P> t -2.781 2.994 3.777	0.005 0.003 0.000	-58788.55 114.342 648.8236	-10164.31 548.6316 2050.127
age agesq educ	Coef. Std + -34476.43 331.4868	. Err. 12397.43 110.7282 357.2819	t P> t 	0.005	-58788.55 114.342	 -10164.31 548.6316
age agesq educ white	Coef. Std +	12397.43 110.7282 357.2819 2881.863	t P> t 	0.005 0.003 0.000 0.000	-58788.55 114.342 648.8236 16905.47	-10164.31 548.6316 2050.127 28208.49
age agesq educ white numkids	Coef. Std -34476.43 331.4868 1349.475 22556.98 -808.6741	. Err. 12397.43 110.7282 357.2819 2881.863 523.0895	t P> t -2.781 2.994 3.777 7.827 -1.546	0.005 0.003 0.000 0.000 0.122	-58788.55 114.342 648.8236 16905.47 -1834.485	-10164.31 548.6316 2050.127 28208.49 217.1364
age agesq educ white numkids walk2dv	Coef. Std +	. Err. 12397.43 110.7282 357.2819 2881.863 523.0895 6688.346	t P> t -2.781 2.994 3.777 7.827 -1.546 0.770	0.005 0.003 0.000 0.000 0.122 0.441	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645	-10164.31 548.6316 2050.127 28208.49 217.1364 18268.87
age agesq educ white numkids walk2dv carrydv	Coef. Std +	12397.43 110.7282 357.2819 2881.863 523.0895 6688.346 5216.933	-2.781 2.994 3.777 7.827 -1.546 0.770 4.002	0.005 0.003 0.000 0.000 0.122 0.441 0.000	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645 10649.76	-10164.31 548.6316 2050.127 28208.49 217.1364 18268.87 31111.21
age agesq educ white numkids walk2dv carrydv cancer	Coef. Std -34476.43 331.4868 1349.475 22556.98 -808.6741 5152.611 20880.48 4877.025 -10879.87 -4117.434	12397.43 110.7282 357.2819 2881.863 523.0895 6688.346 5216.933 5720.61	-2.781 2.994 3.777 7.827 -1.546 0.770 4.002 0.853 -0.925 -1.425	0.005 0.003 0.000 0.000 0.122 0.441 0.000 0.394 0.355 0.154	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645 10649.76 -6341.441 -33952.62 -9783.534	-10164.31 548.6316 2050.127 28208.49 217.1364 18268.87 31111.21 16095.49 12192.88 1548.666
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay	Coef. Std	12397.43 110.7282 357.2819 2881.863 523.0895 6688.346 5216.933 5720.61 11765.44 2889.303 10068.2	-2.781 2.994 3.777 7.827 -1.546 0.770 4.002 0.853 -0.925 -1.425 -1.070	0.005 0.003 0.000 0.000 0.122 0.441 0.000 0.394 0.355 0.154	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645 10649.76 -6341.441 -33952.62 -9783.534 -30513.44	-10164.31 548.6316 2050.127 28208.49 217.1364 18268.87 31111.21 16095.49 12192.88 1548.666 8975.281
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast	Coef. Std +	12397.43 110.7282 357.2819 2881.863 523.0895 6688.346 5216.933 5720.61 11765.44 2889.303 10068.2 84.47302	t P> t -2.781 2.994 3.777 7.827 -1.546 0.770 4.002 0.853 -0.925 -1.425 -1.070 4.000	0.005 0.003 0.000 0.000 0.122 0.441 0.000 0.394 0.355 0.154 0.285	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645 10649.76 -6341.441 -33952.62 -9783.534 -30513.44 172.273	-10164.31 548.6316 2050.127 28208.49 217.1364 18268.87 31111.21 16095.49 12192.88 1548.666 8975.281 503.5865
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn	Coef. Std +	12397.43 110.7282 357.2819 2881.863 523.0895 6688.346 5216.933 5720.61 11765.44 2889.303 10068.2 84.47302 26.78042		0.005 0.003 0.000 0.000 0.122 0.441 0.000 0.394 0.355 0.154 0.000	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645 10649.76 -6341.441 -33952.62 -9783.534 -30513.44 172.273 92.94449	-10164.31 548.6316 2050.127 28208.49 217.1364 18268.87 31111.21 16095.49 12192.88 1548.666 8975.281 503.5865 197.9806
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk	Coef. Std +	12397.43 110.7282 357.2819 2881.863 523.0895 6688.346 5216.933 5720.61 11765.44 2889.303 10068.2 84.47302 26.78042 92.96909		0.005 0.003 0.000 0.000 0.122 0.441 0.000 0.394 0.355 0.154 0.285 0.000 0.000	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645 10649.76 -6341.441 -33952.62 -9783.534 -30513.44 172.273 92.94449 -75.98676	-10164.31 548.6316 2050.127 28208.49 217.1364 18268.87 31111.21 16095.49 12192.88 1548.666 8975.281 503.5865 197.9806 288.6494
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive	Coef. Std -34476.43 331.4868 1349.475 22556.98 -808.6741 5152.611 20880.48 4877.025 -10879.87 -4117.434 -10769.08 337.9298 145.4625 106.3313 104.859	12397.43 110.7282 357.2819 2881.863 523.0895 6688.346 5216.933 5720.61 11765.44 2889.303 10068.2 84.47302 26.78042		0.005 0.003 0.000 0.000 0.122 0.441 0.000 0.394 0.355 0.154 0.000	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645 10649.76 -6341.441 -33952.62 -9783.534 -30513.44 172.273 92.94449	-10164.31 548.6316 2050.127 28208.49 217.1364 18268.87 31111.21 16095.49 12192.88 1548.666 8975.281 503.5865 197.9806
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast	Coef. Std -34476.43 331.4868 1349.475 22556.98 -808.6741 5152.611 20880.48 4877.025 -10879.87 -4117.434 -10769.08 337.9298 145.4625 106.3313 104.859 (dropped)	12397.43 110.7282 357.2819 2881.863 523.0895 6688.346 5216.933 5720.61 11765.44 2889.303 10068.2 84.47302 26.78042 92.96909 37.00477	-2.781 2.994 3.777 7.827 -1.546 0.770 4.002 0.853 -0.925 -1.425 -1.070 4.000 5.432 1.144 2.834	0.005 0.003 0.000 0.000 0.122 0.441 0.000 0.394 0.355 0.154 0.285 0.000 0.253	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645 10649.76 -6341.441 -33952.62 -9783.534 -30513.44 172.273 92.94449 -75.98676 32.29036	-10164.31 548.6316 2050.127 28208.49 217.1364 18268.87 31111.21 16095.49 12192.88 1548.666 8975.281 503.5865 197.9806 288.6494 177.4276
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast jobten	Coef. Std -34476.43 331.4868 1349.475 22556.98 -808.6741 5152.611 20880.48 4877.025 -10879.87 -4117.434 -10769.08 337.9298 145.4625 106.3313 104.859 (dropped) 248.7416	12397.43 110.7282 357.2819 2881.863 523.0895 6688.346 5216.933 5720.61 11765.44 2889.303 10068.2 84.47302 26.78042 92.96909 37.00477		0.005 0.003 0.000 0.000 0.122 0.441 0.000 0.394 0.355 0.154 0.285 0.000 0.000	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645 10649.76 -6341.441 -33952.62 -9783.534 -30513.44 172.273 92.94449 -75.98676 32.29036	-10164.31 548.6316 2050.127 28208.49 217.1364 18268.87 31111.21 16095.49 12192.88 1548.666 8975.281 503.5865 197.9806 288.6494 177.4276
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast jobten ntwth000	Coef. Std -34476.43 331.4868 1349.475 22556.98 -808.6741 5152.611 20880.48 4877.025 -10879.87 -4117.434 -10769.08 337.9298 145.4625 106.3313 104.859 (dropped) 248.7416 6.101021	12397.43 110.7282 357.2819 2881.863 523.0895 6688.346 5216.933 5720.61 11765.44 2889.303 10068.2 84.47302 26.78042 92.96909 37.00477 111.0421 1.856747		0.005 0.003 0.000 0.000 0.122 0.441 0.000 0.394 0.355 0.154 0.285 0.000 0.000 0.253 0.005	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645 10649.76 -6341.441 -33952.62 -9783.534 -30513.44 172.273 92.94449 -75.98676 32.29036 30.98134 2.459828	-10164.31 548.6316 2050.127 28208.49 217.1364 18268.87 31111.21 16095.49 12192.88 1548.666 8975.281 503.5865 197.9806 288.6494 177.4276
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast jobten ntwth000 numjobs5	Coef. Std	. Err. 12397.43 110.7282 357.2819 2881.863 523.0895 6688.346 5216.933 5720.61 11765.44 2889.303 10068.2 84.47302 26.78042 92.96909 37.00477 111.0421 1.856747 1022.33	t P> t -2.781 2.994 3.777 7.827 -1.546 0.770 4.002 0.853 -0.925 -1.425 -1.070 4.000 5.432 1.144 2.834 2.240 3.286 1.789	0.005 0.003 0.000 0.000 0.122 0.441 0.000 0.394 0.355 0.154 0.005 0.000 0.225 0.000	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645 10649.76 -6341.441 -33952.62 -9783.534 -30513.44 172.273 92.94449 -75.98676 32.29036 30.98134 2.459828 -176.3463	-10164.31 548.6316 2050.127 28208.49 217.1364 18268.87 31111.21 16095.49 12192.88 1548.666 8975.281 503.5865 197.9806 288.6494 177.4276 466.5019 9.742215 3833.358
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast jobten ntwth000 numjobs5 pension	Coef. Std -34476.43 331.4868 1349.475 22556.98 -808.6741 5152.611 20880.48 4877.025 -10879.87 -4117.434 -10769.08 337.9295 145.4625 106.3313 104.859 (dropped) 248.7416 6.101021 1828.506 15625.9	. Err. 12397.43 110.7282 357.2819 2881.863 523.0895 6688.346 5216.933 10068.2 84.47302 26.78042 92.96909 37.00477 111.0421 1.856747 1022.33 2880.165	t P> t	0.005 0.003 0.000 0.000 0.122 0.441 0.000 0.355 0.154 0.285 0.000 0.025 0.005	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645 10649.76 -6341.441 -33952.62 -9783.534 -30513.44 172.273 92.94449 -75.98676 32.29036 30.98134 2.459828 -176.3463 9977.724	-10164.31 548.6316 2050.127 28208.49 217.1364 18268.87 31111.21 16095.49 12192.88 1548.666 8975.281 503.5865 197.9806 288.6494 177.4276 466.5019 9.742215 3833.358 21274.08
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast jobten ntwth000 numjobs5 pension selfemp	Coef. Std	. Err. 12397.43 110.7282 357.2819 2881.863 523.0895 6688.346 5216.933 5720.61 11765.44 2889.303 10068.2 84.47302 26.78042 92.96909 37.00477 111.0421 1.856747 1022.33 2880.165 3319.708	t P> t	0.005 0.003 0.000 0.000 0.122 0.441 0.000 0.394 0.355 0.154 0.285 0.000 0.253 0.005	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645 10649.76 -6341.441 -33952.62 -9783.534 -30513.44 172.273 92.94449 -75.98676 32.29036 30.98134 2.459828 -176.3463 9977.724 -12282.92	-10164.31 548.6316 2050.127 28208.49 217.1364 18268.87 31111.21 16095.49 12192.88 1548.666 8975.281 503.5865 197.9806 288.6494 177.4276 466.5019 9.742215 3833.358 31274.08 737.375
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast jobten ntwth000 numjobs5 pension selfemp annage2	Coef. Std	. Err. 12397.43 110.7282 357.2819 2881.863 523.0895 6688.346 5216.933 5720.61 11765.44 2889.303 10068.2 84.47302 26.78042 92.96909 37.00477 111.0421 1.856747 1022.33 2880.165 3319.708 121.86	t P> t	0.005 0.003 0.000 0.000 0.122 0.441 0.000 0.394 0.355 0.154 0.285 0.000 0.253 0.005	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645 10649.76 -6341.441 -33952.62 -9783.534 -30513.44 172.273 92.94449 -75.98676 32.29036 30.98134 2.459828 -176.3463 9977.724 -12282.92 -210.4648	-10164.31 548.6316 2050.127 28208.49 217.1364 18268.87 31111.21 16095.49 12192.88 1548.666 8975.281 503.5865 197.9806 288.6494 177.4276 466.5019 9.742215 3833.358 21274.08 737.375 267.4849
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast jobten ntwth000 numjobs5 pension selfemp annage2 weeksyr	Coef. Std -34476.43 331.4868 1349.475 22556.98 -808.6741 5152.611 20880.48 4877.025 -10879.87 -4117.434 -10769.08 337.9298 145.4625 106.3313 104.859 (dropped) 248.7416 6.101021 1828.506 15625.9 -5772.775 28.51001 389.8052	. Err. 12397.43 110.7282 357.2819 2881.863 523.0895 6688.346 5216.933 5720.61 11765.44 2889.303 10068.2 84.47302 26.78042 92.96909 37.00477 111.0421 1.856747 1022.33 2880.165 3319.708 121.86 178.6823	t P> t	0.005 0.003 0.000 0.000 0.122 0.441 0.000 0.394 0.355 0.154 0.285 0.000 0.253 0.005	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645 10649.76 -6341.441 -33952.62 -9783.534 -30513.44 172.273 92.94449 -75.98676 32.29036 30.98134 2.459828 -176.3463 9977.724 -12282.92 -210.4648 39.3983	
age agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast jobten ntwth000 numjobs5 pension selfemp annage2	Coef. Std	. Err. 12397.43 110.7282 357.2819 2881.863 523.0895 6688.346 5216.933 5720.61 11765.44 2889.303 10068.2 84.47302 26.78042 92.96909 37.00477 111.0421 1.856747 1022.33 2880.165 3319.708 121.86 178.6823 346216.1	t P> t	0.005 0.003 0.000 0.000 0.122 0.441 0.000 0.394 0.355 0.154 0.285 0.000 0.253 0.005	-58788.55 114.342 648.8236 16905.47 -1834.485 -7963.645 10649.76 -6341.441 -33952.62 -9783.534 -30513.44 172.273 92.94449 -75.98676 32.29036 30.98134 2.459828 -176.3463 9977.724 -12282.92 -210.4648	-10164.31 548.6316 2050.127 28208.49 217.1364 18268.87 31111.21 16095.49 12192.88 1548.666 8975.281 503.5865 197.9806 288.6494 177.4276 466.5019 9.742215 3833.358 21274.08 737.375 267.4849

Married Women (N= 2089)

		wn SSW at Normal Std. Err.	t P>	t	[95% Conf. Int	erval]
age	+ 451.40	 193 7705.862	0.059	0.953	-14660.66	15563.47
agesq	76290	087 68.82291	-0.011	0.991	-135.7324	134.2066
educ	60.139	79 271.9399	0.221	0.825	-473.165	593.4446
white	-3484.6	1875.033	-1.858	0.063	-7161.841	192.463
numkids	-737.96	309.4729	-2.385	0.017	-1344.874	-131.0512
walk2dv	3638.6			0.315	-3457.659	10734.89
carrydv	-1354.9			0.472	-5051.316	2341.422
cancer	1930.9			0.419	-2756.942	6618.754
stroknow	-616.21			0.937	-15992.85	14760.43
heartevr	1445.5			0.491	-2667.024	5558.18
workpay	-17580.			0.001	-27767.47	-7394.236
pay1five	327.05			0.000	220.9408	433.1651
paylast	990.94			0.000	827.6715	1154.219
annearn hourswk	853.82 346.0			0.000	748.3286 215.7894	959.3212 476.4006
jobten	419.2			0.000	232.907	605.5669
ntwth000	37570			0.730	-2.511856	1.760449
numjobs5	1811.5			0.730	266.5588	3356.592
pension	8070.5			0.022	4347.038	11794.13
selfemp	-7031.0			0.005	-11969.06	-2093.09
annage2	-106.6			0.140	-248.1924	34.98245
weeksyr	338.89			0.001	140.3436	537.4432
_cons	-13001.			0.952	-435000.9	408998.4
Adj R-squa	ared = 0.	4142				
II. Dep. Var.	Couple's SSW	at Normal Retireme	ent			
	Coef.	Std. Err.	t P>	t	[95% Conf. Int	terval]
age	-19142.	99 14481.99	-1.322	0.186	 -47543.81	9257.82
age agesq	-19142. 201.33		-1.322 1.557	0.186 0.120	-47543.81 -52.32169	
		328 129.3421	1.557			454.9874
agesq	201.33	328 129.3421 578 511.0694	1.557 3.183	0.120	-52.32169	454.9874 2628.943
agesq educ	201.33 1626.6	328 129.3421 578 511.0694 85 3523.838	1.557 3.183 5.941	0.120 0.001	-52.32169 624.4135	454.9874 2628.943 27844.5
agesq educ white	201.33 1626.6 20933.	328 129.3421 578 511.0694 85 3523.838 216 581.6069	1.557 3.183 5.941 -0.053	0.120 0.001 0.000	-52.32169 624.4135 14023.21	454.9874 2628.943 27844.5 1109.975
agesq educ white numkids walk2dv carrydv	201.33 1626.6 20933. -30.62	328 129.3421 578 511.0694 85 3523.838 216 581.6069 226 6800.407	1.557 3.183 5.941 -0.053 0.522 1.918	0.120 0.001 0.000 0.958	-52.32169 624.4135 14023.21 -1171.218	454.9874 2628.943 27844.5 1109.975 16886.49
agesq educ white numkids walk2dv carrydv cancer	201.33 1626.6 20933. -30.62 3550.1 6793.5 -4587.6	328 129.3421 578 511.0694 85 3523.838 816 581.6069 226 6800.407 592 3542.254 599 4492.395	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021	0.120 0.001 0.000 0.958 0.602 0.055 0.307	-52.32169 624.4135 14023.21 -1171.218 -9786.24 -153.168 -13397.79	454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393
agesq educ white numkids walk2dv carrydv cancer stroknow	201.33 1626.6 20933. -30.62 3550.1 6793.5 -4587.6 -23250.	328 129.3421 578 511.0694 85 3523.838 816 581.6069 .26 6800.407 .992 3542.254 .699 4492.395 .29 14735.53	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021 -1.578	0.120 0.001 0.000 0.958 0.602 0.055 0.307 0.115	-52.32169 624.4135 14023.21 -1171.218 -9786.24 -153.168 -13397.79 -52148.34	454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393 5647.75
agesq educ white numkids walk2dv carrydv cancer stroknow heartevr	201.33 1626.6 20933. -30.62 3550.1 6793.5 -4587.6 -23250. 3572.6	328 129.3421 578 511.0694 85 3523.838 816 581.6069 .26 6800.407 3542.254 499 4492.395 14735.53 3941.133	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021 -1.578 0.907	0.120 0.001 0.000 0.958 0.602 0.055 0.307 0.115 0.365	-52.32169 624.4135 14023.21 -1171.218 -9786.24 -153.168 -13397.79 -52148.34 -4156.364	454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393 5647.75 11301.65
agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay	201.33 1626.6 20933. -30.62 3550.1 6793.5 -4587.6 -23250. 3572.6 -13326.	328 129.3421 578 511.0694 85 3523.838 116 581.6069 126 6800.407 3542.254 599 4492.395 14735.53 3941.133 38 9761.901	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021 -1.578 0.907 -1.365	0.120 0.001 0.000 0.958 0.602 0.055 0.307 0.115 0.365 0.172	-52.32169 624.4135 14023.21 -1171.218 -9786.24 -153.168 -13397.79 -52148.34 -4156.364 -32470.57	454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393 5647.75 11301.65 5817.813
agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast	201.33 1626.6 20933. -30.62 3550.1 6793.5 -4587.6 -23250. 3572.6 -13326. 304.06	328 129.3421 578 511.0694 85 3523.838 816 581.6069 226 6800.407 592 3542.254 599 4492.395 29 14735.53 343 3941.133 343 9761.901 596 156.4664	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021 -1.578 0.907 -1.365 1.943	0.120 0.001 0.000 0.958 0.602 0.055 0.307 0.115 0.365 0.172	-52.32169 624.4135 14023.21 -1171.218 -9786.24 -153.168 -13397.79 -52148.34 -4156.364 -32470.57 -2.778596	454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393 5647.75 11301.65 5817.813 610.9178
agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn	201.33 1626.6 20933. -30.62 3550.1 6793.5 -4587.6 -23250. 3572.6 -13326. 304.06 419.1	328 129.3421 578 511.0694 85 3523.838 516 581.6069 226 6800.407 592 3542.254 599 4492.395 29 14735.53 343 3941.133 3761.901 156.4664 101.0978	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021 -1.578 0.907 -1.365 1.943 4.146	0.120 0.001 0.000 0.958 0.602 0.055 0.307 0.115 0.365 0.172 0.052	-52.32169 624.4135 14023.21 -1171.218 -9786.24 -153.168 -13397.79 -52148.34 -4156.364 -32470.57 -2.778596 220.8929	454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393 5647.75 11301.65 5817.813 610.9178
agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk	201.33 1626.6 20933. -30.62 3550.1 6793.5 -4587.6 -23250. 3572.6 -13326. 304.06 419.1 29.417	328 129.3421 578 511.0694 85 3523.838 816 581.6069 26 6800.407 392 3542.254 599 4492.395 29 14735.53 38 9761.901 156.4664 57 101.0978 773 124.8727	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021 -1.578 0.907 -1.365 1.943 4.146 0.236	0.120 0.001 0.000 0.958 0.602 0.055 0.307 0.115 0.365 0.172 0.052 0.000 0.814	-52.32169 624.4135 14023.21 -1171.218 -9786.24 -153.168 -13397.79 -52148.34 -4156.364 -32470.57 -2.778596 220.8929 -215.4718	454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393 5647.75 11301.65 5817.813 610.9178 617.4211 274.3072
agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive	201.33 1626.6 20933. -30.62 3550.1 6793.5 -4587.6 -23250. 3572.6 -13326.6 304.06 419.1 29.417 289.	328 129.3421 578 511.0694 85 3523.838 816 581.6069 626 6800.407 592 3542.254 599 4492.395 29 14735.53 343 3941.133 38 9761.901 156.4664 57 101.0978 773 124.8727 99 101.6879	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021 -1.578 0.907 -1.365 1.943 4.146 0.236	0.120 0.001 0.000 0.958 0.602 0.055 0.307 0.115 0.365 0.172 0.052	-52.32169 624.4135 14023.21 -1171.218 -9786.24 -153.168 -13397.79 -52148.34 -4156.364 -32470.57 -2.778596 220.8929	454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393 5647.75 11301.65 5817.813 610.9178 617.4211 274.3072
agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast	201.33 1626.6 20933. -30.62 3550.1 6793.5 -4587.6 -23250. 3572.6 -13326. 304.06 419.1 29.417 289. (droppe	328 129.3421 578 511.0694 85 3523.838 816 581.6069 626 6800.407 692 3542.254 4492.395 29 14735.53 343 3941.133 38 9761.901 156.4664 101.0978 124.8727 99 101.6879	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021 -1.578 0.907 -1.365 1.943 4.146 0.236 2.852	0.120 0.001 0.000 0.958 0.602 0.055 0.307 0.115 0.365 0.172 0.052 0.000 0.814 0.004	-52.32169 624.4135 14023.21 -1171.218 -9786.24 -153.168 -13397.79 -52148.34 -4156.364 -32470.57 -2.778596 220.8929 -215.4718 90.56852	454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393 5647.75 11301.65 5817.813 610.9178 617.4211 274.3072 489.4115
agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast jobten	201.33 1626.6 20933. -30.62 3550.1 6793.5 -4587.6 -23250. 3572.6 -13326. 304.06 419.1 29.417 289. (droppe 509.27	328 129.3421 578 511.0694 85 3523.838 816 581.6069 .26 6800.407 .992 3542.254 .499 4492.395 .29 14735.53 .38 9761.901 .57 101.0978 .57 101.0978 .57 101.6879 .60) .743 178.5612	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021 -1.578 0.907 -1.365 1.943 4.146 0.236 2.852	0.120 0.001 0.000 0.958 0.602 0.055 0.307 0.115 0.365 0.172 0.052 0.000 0.814 0.004	-52.32169 624.4135 14023.21 -1171.218 -9766.24 -153.168 -13397.79 -52148.34 -4156.364 -32470.57 -2.778596 220.8929 -215.4718 90.56852	454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393 5647.75 11301.65 5817.813 610.9178 617.4211 274.3072 489.4115
agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast jobten ntwth000	201.33 1626.6 20933. -30.62 3550.1 6793.5 -4587.6 -23250. 3572.6 -13326. 304.06 419.1 29.417 289. (droppe 509.27 6.6810	328 129.3421 578 511.0694 85 3523.838 516 6800.407 592 3542.254 599 4492.395 29 14735.53 343 3941.133 38 9761.901 156.4664 57 101.0978 124.8727 99 101.6879 943 2.047089	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021 -1.578 0.907 -1.365 1.943 4.146 0.236 2.852 2.852 3.264	0.120 0.001 0.000 0.958 0.602 0.055 0.307 0.115 0.365 0.172 0.052 0.000 0.814 0.004	-52.32169 624.4135 14023.21 -1171.218 -9786.24 -153.168 -13397.79 -52148.34 -4156.364 -32470.57 -2.778596 220.8929 -215.4718 90.56852 159.0957 2.666474	454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393 5647.75 11301.65 5817.813 610.9178 617.4211 274.3072 489.4115
agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast jobten ntwth000 numjobs5	201.33 1626.6 20933. -30.62 3550.1 6793.5 -4587.6 -23250. 3572.6 -13326. 304.06 419.1 29.417 289. (droppe 509.27 6.6810 1810.4	328 129.3421 578 511.0694 85 3523.838 5816.6069 226 6800.407 592 3542.254 599 4492.395 29 14735.53 38 9761.901 38 9761.901 156.4664 57 101.0978 124.8727 99 101.6879 6d) 743 178.5612 2.047089 151 1480.599	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021 -1.578 0.907 -1.365 1.943 4.146 0.236 2.852 2.852 3.264 1.223	0.120 0.001 0.000 0.958 0.602 0.055 0.307 0.115 0.365 0.172 0.052 0.000 0.814 0.004	-52.32169 624.4135 14023.21 -1171.218 -9786.24 -153.168 -13397.79 -52148.34 -4156.364 -32470.57 -2.778596 220.8929 -215.4718 90.56852 159.0957 2.666474 -1093.171	454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393 5647.75 11301.65 5817.813 610.9178 617.4211 274.3072 489.4115
agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast jobten ntwth000 numjobs5 pension	201.33 1626.6 20933. -30.62 3550.1 6793.5 -4587.6 -23250. 3572.6 304.06 419.1 29.417 289. (droppe 509.27 6.6810 1810.4 7277.8	328 129.3421 578 511.0694 85 3523.838 816 581.6069 26 6800.407 392 3542.254 599 4492.395 29 14735.53 38 9761.901 156.4664 57 101.0978 124.8727 99 101.6879 178.5612 178.5612 178.5612 178.5612 178.5612 178.5612 178.5612 178.5612 178.5612 178.5612 178.5612 178.5612 178.5612 178.5612 178.5612	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021 -1.578 0.907 -1.365 1.943 4.146 0.236 2.852 2.852 3.264 1.223 2.040	0.120 0.001 0.000 0.958 0.602 0.055 0.307 0.115 0.365 0.172 0.052 0.000 0.814 0.004	-52.32169 624.4135 14023.21 -1171.218 -9786.24 -153.168 -13397.79 -52148.34 -4156.364 -32470.57 -2.778596 220.8929 -215.4718 90.56852 159.0957 2.666474 -1093.171 280.0034	454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393 5647.75 11301.65 5817.813 610.9178 617.4211 274.3072 489.4115 859.453 10.69562 4714.073 14275.67
agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast jobten ntwth000 numjobs5 pension selfemp	201.33 1626.6 20933. -30.62 3550.1 6793.5 -4587.6 -23250. 3572.6 -13326. 304.06 419.1 29.417 289. (droppe 509.27 6.6810 1810.4 7277.8	328 129.3421 578 511.0694 85 3523.838 816 581.6069 626 6800.407 692 3542.254 699 4492.395 29 14735.53 38 9761.901 156.4664 657 101.0978 773 124.8727 99 101.6879 8d) 178.5612 2047089 8d1 1480.599 8d3 3568.298 8d4 4732.101	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021 -1.578 0.907 -1.365 1.943 4.146 0.236 2.852 2.852 3.264 1.223 2.040 -1.303	0.120 0.001 0.000 0.958 0.602 0.055 0.307 0.115 0.365 0.172 0.052 0.000 0.814 0.004 0.001 0.222 0.042 0.193	-52.32169 624.4135 14023.21 -1171.218 -9786.24 -153.168 -13397.79 -52148.34 -4156.364 -32470.57 -2.778596 220.8929 -215.4718 90.56852 159.0957 2.666474 -1093.171 280.0034 -15443.85	454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393 5647.75 11301.65 5817.813 610.9178 617.4211 274.3072 489.4115 859.453 10.69562 4714.073 14275.67 3116.519
agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast jobten ntwth000 numjobs5 pension selfemp annage2	201.33 1626.6 20933. -30.62 3550.1 6793.5 -4587.6 -23250. 3572.6 -13326. 304.06 419.1 29.417 29.417 (droppe 509.27 6.6810 1810.4 7277.8 -6163.6 -193.56	328 129.3421 578 511.0694 85 3523.838 516 581.6069 26 6800.407 592 3542.254 599 4492.395 29 14735.53 33 3941.133 343 3941.133 343 3761.901 573 124.8727 99 101.6879 601 602 2.047089 143 178.5612 244 2.047089 148 2.047089 148 2.047089 148 2.047089 148 2.047089 148 2.047089 148 2.047089 148 2.047089 151 1480.599 3568.298 364 4732.101 135.6841	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021 -1.578 0.907 -1.365 1.943 4.146 0.236 2.852 2.852 2.852 3.264 1.223 2.040 -1.303 -1.427	0.120 0.001 0.000 0.958 0.602 0.055 0.307 0.115 0.365 0.172 0.052 0.000 0.814 0.004 0.001 0.202 0.042 0.193 0.154	-52.32169 624.4135 14023.21 -1171.218 -9786.24 -153.168 -13397.79 -52148.34 -4156.364 -32470.57 -2.778596 220.8929 -215.4718 90.56852 159.0957 2.666474 -1093.171 280.0034 -15443.85 -459.6537	9257.82 454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393 5647.75 11301.65 5817.813 610.9178 617.4211 274.3072 489.4115 859.453 10.69562 4714.073 14275.67 3116.519 72.53017
agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast jobten ntwth000 numjobs5 pension selfemp annage2 weeksyr	201.33 1626.6 20933.5 -30.62 3550.1 6793.5 -4587.6 -23250. 3572.6 304.06 419.1 29.417 289. (droppe 509.27 6.6810 1810.4 7277.8 7279.6	328 129.3421 578 511.0694 85 3523.838 516 581.6069 26 6800.407 592 3542.254 599 4492.395 29 14735.53 33 3941.133 33 39761.901 557 101.0978 773 124.8727 99 101.6879 36d) 178.5612 2046 2.047089 451 1480.599 359 3568.298 364 4732.101 351 135.6841 194 190.2715	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021 -1.578 0.907 -1.365 1.943 4.146 0.236 2.852 2.852 3.264 1.223 2.040 -1.303 -1.427 0.367	0.120 0.001 0.000 0.958 0.602 0.055 0.307 0.115 0.365 0.172 0.052 0.000 0.814 0.004 0.004 0.001 0.222 0.042 0.193 0.154 0.714	-52.32169 624.4135 14023.21 -1171.218 -9786.24 -153.168 -13397.79 -52148.34 -4156.364 -32470.57 -2.778596 220.8929 -215.4718 90.56852 159.0957 2.666474 -1093.171 280.0034 -15443.85 -459.6537 -303.383	454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393 5647.75 11301.65 5817.813 610.9178 617.4211 274.3072 489.4115 859.453 10.69562 4714.073 14275.67 3116.519 72.53017 442.9049
agesq educ white numkids walk2dv carrydv cancer stroknow heartevr workpay paylast annearn hourswk paylfive paylast jobten ntwth000 numjobs5 pension selfemp annage2	201.33 1626.6 20933.5 -30.62 3550.1 6793.5 -4587.6 -23250. 3572.6 -13326. 304.06 419.1 29.417 289. (droppe 509.27 6.6810 1810.4 7277.8 -6163.6 -193.5 69.760 581199	328 129.3421 578 511.0694 85 3523.838 516 581.6069 26 6800.407 592 3542.254 599 4492.395 29 14735.53 33 3941.133 33 39761.901 557 101.0978 773 124.8727 99 101.6879 36d) 178.5612 2046 2.047089 451 1480.599 359 3568.298 364 4732.101 351 135.6841 194 190.2715	1.557 3.183 5.941 -0.053 0.522 1.918 -1.021 -1.578 0.907 -1.365 1.943 4.146 0.236 2.852 2.852 3.264 1.223 2.040 -1.303 -1.427 0.367	0.120 0.001 0.000 0.958 0.602 0.055 0.307 0.115 0.365 0.172 0.052 0.000 0.814 0.004 0.001 0.202 0.042 0.193 0.154	-52.32169 624.4135 14023.21 -1171.218 -9786.24 -153.168 -13397.79 -52148.34 -4156.364 -32470.57 -2.778596 220.8929 -215.4718 90.56852 159.0957 2.666474 -1093.171 280.0034 -15443.85 -459.6537	454.9874 2628.943 27844.5 1109.975 16886.49 13740.35 4222.393 5647.75 11301.65 5817.813 610.9178 617.4211 274.3072 489.4115 859.453 10.69562 4714.073 14275.67 3116.519 72.53017

Nonmarried Men (N=405)

Var. Respondent's Own SSW at Normal Retirement
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	Coef.	Std.	Err.	t	P> t		[95% Conf. Inte	rval]
age	-2326	51.69	17819.2		-1.305	0.193	-58297.69	11774.31
agesq	215	.7932	159.282		1.355	0.176	-97.38608	528.9725
educ	58	7.856	500.7284		1.174	0.241	-396.6728	1572.385
white	118!	51.87	3328.768		3.560	0.000	5306.869	18396.87
numkids	1926	5.633	740.4626		2.602	0.010	470.7402	3382.525
walk2dv	-574	14.29	7055.083		-0.814	0.416	-19615.95	8127.368
carrydv	124	12.21	5208.363		2.389	0.017	2201.561	22682.86
cancer	-1029	99.43	7743.982		-1.330	0.184	-25525.59	4926.74
stroknow	-1476	56.27	9527.453		-1.550	0.122	-33499.08	3966.548
heartevr	1443	3.942	3926.156		0.368	0.713	-6275.641	9163.525
workpay	-384	5.317	13202.65		-0.291	0.771	-29804.29	22113.66
pay1five	290	.2537	96.86878		2.996	0.003	99.79091	480.7164
paylast	998	.9454	177.3632		5.632	0.000	650.2149	1347.676
annearn	192	2.893	76.99281		2.505	0.013	41.51028	344.2758
hourswk	-61.	75424	154.3011		-0.400	0.689	-365.14	241.6315
jobten	415	.0395	167.1194		2.483	0.013	86.45044	743.6285
ntwth000	-1.02	20955	5.26662		-0.194	0.846	-11.37615	9.334238
numjobs5	1716	5.783	1481.799		1.159	0.247	-1196.721	4630.286
pension	7688	3.727	4257.369		1.806	0.072	-682.0843	16059.54
selfemp	-905	6941	5368.825		-0.169	0.866	-11461.84	9650.455
annage2	-33.2	25068	185.7862		-0.179	0.858	-398.5424	332.041
weeksyr	640	0.846	218.4704		2.933	0.004	211.291	1070.401
_cons	63	36990	497381.4		1.281	0.201	-340958.1	1614938
R-squared	. =	0.430	0					

Nonmarried Women (N= 958)

Dep. Var. Res	spondent's Own SSW	at Normal Retirement

	Coef.	Std.	Err.	t	P> t		[95% Conf. Int	erval]
age	-2805	57.83	12682.69		-2.212	0.027	-52947.65	-3167.997
agesq	261.	2696	113.3066		2.306	0.021	38.90496	483.6343
educ	400.	2489	430.7319		0.929	0.353	-445.0642	1245.562
white	4369	277	2232.612		1.957	0.051	-12.23346	8750.787
numkids	-2246	5.957	521.4404		-4.309	0.000	-3270.287	-1223.628
walk2dv	2721	.851	4303.325		0.632	0.527	-5723.443	11167.14
carrydv	4152	2.749	2832.103		1.466	0.143	-1405.265	9710.763
cancer	5445	.667	3693.524		1.474	0.141	-1802.89	12694.22
stroknow	-1614	1.946	9782.834		-0.165	0.869	-20813.8	17583.91
heartevr	289.	8103	3301.304		0.088	0.930	-6189.013	6768.633
workpay	-1427	77.24	11092.27		-1.287	0.198	-36045.87	7491.399
pay1five	66.0	1287	45.83834		1.440	0.150	-23.94507	155.9708
paylast	892.	7003	134.2245		6.651	0.000	629.284	1156.117
annearn	773.	8802	85.39738		9.062	0.000	606.2875	941.4729
hourswk	132.	6382	108.2617		1.225	0.221	-79.82582	
jobten	496.	1386	133.3307		3.721	0.000	234.4765	757.8006
ntwth000	-2.12	24435	5.328161		-0.399	0.690	-12.58097	
numjobs5	!	3.726	1093.033		3.928	0.000	2148.643	
pension	!	3.329	2801.99		3.119	0.002	3239.41	
selfemp	1	5.041	4846.575		0.802	0.423	-5626.384	
annage2	!	1.357	135.1136		-1.068	0.286	-409.518	
weeksyr	!	2103	216.0426		3.028	0.003	230.2257	
_cons	1	92.2	354616.8		2.176	0.030	75655.13	1467529
Adi R-sau	ared =	0.478	0					

Note: Number of observations reported in Appendix D as Sample 4. All analysis conducted with HRS sample weights; see text. Dependent variables are the respondent's social security wealth as of the normal retirement age (var. 24) and (for married persons) the couple's social security wealth as of the respondent's normal retirement age (var. 23). All explanatory variables are as defined in Appendix B plus pay1five is pay on first 5-year job (/1000), and paylast is pay on last job (/1000).

Appendix D. Sample Size in Analysis

	<u>N</u>
Sample 1: EBF File	8257
Sample 2: Sample 1 minus age ineligible minus those in	
receipt of SSDI in 1991	5999
Married 4606	3,,,,
Men	2326
Women	2280
Nonmarried	1393
Men	413
Women	980
Sample 3: Sample 2 minus married respondents where spouse not inter	
or spouse in current receipt of SSDI	5728
Married 4335	
Men	2217
Women	2118
Nonmarried (same as sample 1)	
Sample 4: Sample 2 minus those with missing	
data on regressors of Appendix B or C	5638
Married 4275	
Men	2186
Women	2089
Nonmarried	1363
Men	405
Women	958