Gain and Loss: Marriage and Wealth Changes Over Time

Julie M. Zissimopoulos, RAND

September 2009

Abstract

Family composition has changed dramatically over the past 25 years. Divorce rates increased and remarriage rates declined. While considerable research established a link between marriage and earnings, far less is empirically understood about the effect of marriage on wealth although wealth is an important measure for older individuals because it represents resources available for consumption in retirement. In this paper we employ eight waves of panel data from the Health and Retirement Study to study the relationship between wealth changes and marital status among individuals over age 50. This research advances understanding of the relationship by first, incorporating measures of current and lifetime earnings, mortality risk and other characteristics that vary by marital status into models of wealth change; second, measuring the magnitude of wealth loss and gain associated with divorce, widowing and remarriage and third, estimating wealth change before and after marital status change so the change in wealth change is not the result of individuals entering or leaving the household and other sources of unobserved differences are removed from estimates of the effect of marriage on wealth. Our results suggest no differences in wealth change over time among individuals that remain married, divorced, widowed, never married and partnered over 7 years. In the short-run there are substantial wealth changes associated with marital status changes. Divorce at older ages is costly, remarriage is wealth enhancing and people appear to change their savings in response to changes in marital status.

The research reported herein was pursuant to a grant from the U.S. Social Security Administration (SSA) funded as part of the Retirement Research Consortium (RRC). The findings and conclusions expressed are solely those of the authors and do not represent the views of SSA, any agency of the Federal Government or the RRC. I thank Joanna Carroll for her excellent programming assistance.

1. Introduction

Family composition has changed dramatically over the past 25 years. Divorce rates rapidly increased from the late 1960's through the 1980's and remarriage rates have declined (Cherlin 1992). Considerable research has established a correlation between marital status and socio-economic status, particularly a positive relationship between marriage and male earnings (Korenman and Neumark 1991; Lundberg and Rose 2002; Loughran and Zissimopoulos 2009). Considerably less attention has been paid to the effect of marriage on women's earnings because of the strong correlation of marriage and childbearing. One exception is Loughran and Zissimopoulos (2009) and they find marriage lowers female wages the year of marriage and wage growth in subsequent years. While income is a critical measure of well being, wealth is an important complementary measure and arguably the most important measure for older individuals because it represents resources available for consumption in retirement. Far less is empirically understood about the effect of marriage on wealth compared to the effect of marriage on earnings although theory suggests it is likely to be important.

An important implication of economic models of savings with no uncertainty (or agents maximize expected utility) and perfect capital markets is that consumption is determined by permanent income. This implies that changes in permanent income are consumed and temporary changes are saved. Relaxing these assumptions provides a role for both permanent and transitory income in consumption and savings decisions.

Changes in marital status that affect permanent income will change consumption levels.

Moreover, changes in marital status will affect wealth depending on whether the change is considered transitory or permanent. For example, the behavioral response to a

separation or divorce expected to be temporary may be to lower savings to avoid a drop in consumption. Lupton and Smith (2002) find dissaving is most common the shorter the duration in the non-marriage state as households attempt to maintain prior consumption levels. Consumption and savings behavior may change prior to the event. For example, Zagorsky (2005) found that savings declines begin prior to divorce.

Other hypotheses regarding the effect of marriage on wealth include economies of scale (Waite 1995), mortality risk (Lillard and Weiss 1996), children and inter-vivos transfers and bequests (Hurd, Smith, Zissimopoulos 2006), precautionary savings (Mincer 1978) and retirement planning. Married couples may consume many goods and services jointly (entertainment, housing) for the same cost as a single person. These economies of scale may translate into additional wealth or additional consumption. Marriage may produce better health, thus married couples will save more to protect against outliving their resources. On the other hand, marriage reduces risk associated with fluctuations in income and thus may lower precautionary savings against income shocks or other shocks. In sum, there are many pathways through which marriage and wealth are associated. Moreover, the consistent empirical finding of a relationship between marriage and wealth suggests its importance as an area for further study. Yet, challenging estimation of the empirical relationship between marriage and wealth is the non-random sorting of individuals into marriage. For example, low-income families are more likely to divorce or experience widowhood than high-income families. Prior empirical studies have been hindered by a lack of control measures for permanent income

-

¹ Children are one important reason for marriage and their presence may either increase savings (to leave as a bequest) or decrease savings because of the additional consumption associated with children.

and by use of cross-sectional surveys and short panels that are ill-suited for distinguishing between selection and behavioral response.

In this paper we employ eight waves of panel data from the Health and Retirement Study to study the relationship between wealth changes and marital status among individuals over age 50. This research advances understanding of the relationship by first, incorporating measures of current and lifetime earnings, mortality risk and other characteristics that vary by marital status into models of wealth change; second, measuring the magnitude of wealth loss and gain associated with divorce, widowing and remarriage and third, estimating wealth change before and after marital status change so the change in wealth change is not the result of individuals entering or leaving the household and other sources of unobserved differences are removed from estimates of the effect of marital status on wealth. The remainder of this paper has the following structure. The next section summarizes describes the data and derivation of key variables. Section 3 presents main results for wealth levels and changes and for individuals that do and do not change marital status. The final section concludes.

2. Data

The research relies on longitudinal data from the Health and Retirement Study, a set of biennial surveys first fielded in 1992 and 1993 by the University of Michigan with the objective to monitor economic transitions in work, income and wealth, and changes in health among those over 50 years old.² We use data from survey waves 1992, 1993, 1994, 1995, 1996 and biennial thereafter to 2006.³

-

² The first survey, the Health and Retirement Study (HRS) began as a national sample of about 7,600 households (12,654 individuals) with at least one person in the birth cohorts of 1931 through 1941 (about

We use data including all cohorts with the exception of the 1948 to 1953 birth cohort added in year 2004 for which insufficient waves of data for this analysis have been collected. In addition, we use restricted data on Social Security earnings to compute a measure of lifetime earnings. Marital history variables (all prior marriages, divorces and widowings) were derived based on the raw HRS files; most other variables used in the study are from the RAND HRS Data file, Version I⁴. Further details on key analytic variables follow.

Marital Status. Respondents are categorized at a point in time as being either married, divorced, widowed, partnered or never married. For some analyses we use respondents' reports of past marital events to distinguish between married and remarried individuals. Changes over the panel are based on respondents' report of any changes between waves and we group them into six categories: separated to divorced, married to divorced, married to widowed, divorced to married, widowed to married, other single (partnered or never married) to married.

Lifetime Earnings. We calculate lifetime earnings based on historical earnings reported to the Social Security Administration. We use earnings from 1951 to 1991 for 9,539 HRS respondents.⁵ Earnings data for the War Babies cohort are available for 1,330

_

⁵¹⁻⁶¹ years old at the wave 1 interview in 1992). The second, the Assets and Health Dynamics of the Oldest Old (AHEAD), began in 1993 and included 6,052 households (8,222 individuals) with at least one person born in 1923 or earlier (70 or over in 1993). In 1998, HRS was augmented with baseline interviews from at least one household member from the birth cohorts 1924-1930 and 1942-1947 and was representative of all birth cohorts born in 1947 or earlier. In 2004, the HRS was again augmented with interviews from the birth cohort 1948-1953.

³ For the original HRS respondents from survey wave 1992, we use a total of 8 waves of data from 1992 to 2006. For the original AHEAD respondents from 1993, we have 7 waves of data. For respondents added in 1998, we have 5 survey waves from 1998 to 2006.

⁴ RAND HRS is a longitudinal data set based on the HRS data and developed at RAND with funding from the National Institute on Aging and the Social Security Administration.

⁵ See Haider and Solon (2000) for a discussion of characteristics of individuals with and without matched Social Security records.

respondents for years 1951 to 1997. The administrative records are accurate and less subject to measurement error than self-reported earnings from household surveys and cover a long history of earnings. They are however, limited in two ways. First, the level of earnings is reported only up to the Social Security maximum. This maximum changed over time as did the number of individuals whose earnings were above the maximum. Second, individuals employed in a sector not covered by Social Security have no earnings records for the years he or she is employed in the uncovered sector. Lifetime earnings are calculated as the present discounted value (3 percent real interest rate) of real Social Security earnings adjusted to 2006 dollars using the CPI-U-RS, and we adjust for the upper truncation of Social Security earnings.

Mortality Risk, Risk Aversion, Time Rate of Preference. Mortality risk is the respondent's subjective survival assessment of living to age 75 (85) on a zero to 100 scale and we include it in empirical models as the deviation from lifetables based on sex and age. The basis for categorizing the level of risk aversion is a series of questions that ask respondents to choose between pairs of jobs where one job guarantees current family income and the other offers the chance to increase income and carries the risk of loss of income. From responses to these questions we categorize a respondent's level of risk aversion into four groups. We measure respondents' time rate of preference by their responses to the length of time they use for financial planning. The answers are categorical from a few months to over ten or more years.

Wealth. Our main outcome measures are wealth, change in wealth and the change in the change in wealth. Wealth is housing plus non-housing wealth and is computed as the sum of wealth from real estate, businesses, IRAs, stocks, bonds, checking accounts,

⁶ In 1996, 92% of non-self-employed wage and salary workers were covered by Social Security.

6

CDs, and housing, less the value of the mortgage, home loans, and other debt. Missing data on wealth are imputed and the methods are described in RAND HRS Version I. Some analysis use information on a respondent's pension ownership and type (defined benefit, defined contribution, both).

3. Results

Changes in marital status occur over the lifespan, even at older ages. We examine current marital status and future changes in marital status over the next 14 years and present their distribution in Table 1. Among the birth cohort 1931-1941, 84 percent are married in 1992, 10 percent are divorced and 6 percent are widowed. Over the next 14 years, 15 percent of this sample of respondents, on average 55 years old, change marital status. About 4 percent of married respondents divorce and 10 percent are widowed.

Just over one percent of individuals divorced or widowed remarries over this time period.

The level of wealth held in 1992 by this birth cohort varies with current marital status as well as future changes in marital status. The first three rows in Table 2 are groups that, as of 1992, have not experienced a marital disruption. The data in Table 2 shows respondents that are married in 1992 and have no marital status changes over the next 14 years have higher mean and median wealth than married respondents that will eventually divorce or be widowed. This group of continuously married individuals has on average \$363,814 in housing and non-housing wealth (not including pension wealth) compared to \$278,365 for married respondents that will divorce and compared to \$254,362 for married respondents that will be widowed. Age differences by group are small and thus unlikely to account for the mean and median differences. Remarried

individuals that remain married through the 14 years have lower average wealth (\$281,843) than married individuals who remain married over the panel, and at the mean and median, only marginally higher than those married that will go on to divorce or be widowed. All not married individuals have lower mean wealth than married individuals although at the median, not married individuals who remarry in panel have higher median wealth than some married individuals. Among the not married groups, mean wealth of divorced (\$116,572) and widowed (\$125,835) individuals that remain not married is about 60% of the wealth that not married individuals that go on to remarry have (\$188,366 and \$199,769 respectively for divorced then remarried and widowed and then remarried).

The wealth differences at about age 55 by current marital status and future changes may be a result of wealth loss due to marital disruption or observable differences in for example, earnings or preferences for savings. For example, marital groups may save at similar rates but save out of lower levels of income. Table 2 also shows lifetime earnings, current earnings and the ratio of wealth to lifetime earnings. Comparing individuals that are married and stay married with those that are married and go on to divorce, Table 2 shows that lifetime earnings and current earnings are similar and thus differences in earnings over the life-cycle is unlikely to account for the wealth differences. Remarried individuals that stay remarried have slightly higher lifetime earnings, same current earnings and yet, their mean wealth is 77 percent of the wealth of individuals that are married (not remarried) and stay married over the panel. This is pattern is consistent with wealth loss due to marital disruption. Not married individuals have lower wealth than married individuals and indeed, their lifetime and current

earnings are lower than married individuals. In sum, these data in Table 2 emphasize the role of lifetime earnings, the role of selection on characteristics other than income and the role of wealth loss due to marital dissolution in explaining wealth level differences by marital status.

Changes in wealth among individuals with stable marital status.

The magnitude of wealth change over time among individuals that change marital status will be dominated by wealth change due to individuals leaving or entering the household. Thus we first examine wealth changes over two years (all data waves (t) and (t+1)) for individuals that do not change marital status over that same time period and results are shown in Table 3.7 Wealth increases over two years for all groups. Married and remarried individuals have larger wealth changes than divorced, widowed, never married and partnered individuals. Compared to all other individuals wealth change is higher for married individuals by the following amounts: \$3,222 compared to remarried, \$10,142 compared to divorced, \$17,317 compared to widowed, \$11,627 compared to never married and \$17,115 compared to partnered. Wealth change as a percent of initial wealth level is slightly higher for divorced individuals (9 percent) than married, remarried and never married (7 percent). Wealth change as a percent of initial wealth level is 3 percent among widowed and partnered individuals. Thus, overall levels of wealth change are highest for married individuals but rates are similar compared to divorced and never married individuals

.

⁷ We trim the top and bottom 2 percent of wealth change values.

We examine two-year wealth change by marital status controlling for basic demographic differences in sex, race and age and including year indicators. Results from the linear, multivariate model are reported in the first column of results in Table 4 (Model 1). The second column of results in Table 4 (Model 2) are estimates of the marginal effects of marital status on wealth change over two-years from a model that along with basic demographics, includes in the specification many other covariates including lifetime earnings (a measure of permanent income), current earnings, education, number of children, ownership of pension wealth and type of pension, mortality risk, risk aversion, and financial planning horizon. The marginal effects for all covariates are given in Appendix Table A. The results from Model 1 show remarried and all not married individuals have lower levels of wealth change over two years and the magnitude of difference is similar to the difference in Table 3. The inclusion of the additional covariates (Model 2) explains all of the difference in wealth change between married and remarried individual. The covariates reduce the difference in wealth change between married and remarried in Model 1 and Model 2 by \$1,192 (27 percent) and the difference is no longer statistically significant. The additional covariates in Model 2 explain about 50% of the wealth change difference between married and either divorced or widowed individuals. That is, the marginal effect is reduced from \$-9,792 in Model 1 to \$-5,146 in Model 2 for divorced individuals and from \$-15,886 to \$-7,922 for widowed individuals. The additional covariates in Model 2 explain about 30% of the wealth change difference between married and either never married or partnered individuals. Overall, measures of socio-economic status (lifetime and current earnings, education), pensions, and mortality

risk explain between 30 and 50 percent of the difference in wealth between married and not married individuals.

Table 5 presents results for the effect of marital status on wealth change separately for samples of men and women. For men, demographic characteristics (included in Model 1) explain all of the difference in wealth change between married, remarried and not married men with the exception of partnered men. The inclusion of the additional covariates in Model 2 explains about 30 percent of the difference between married men and partnered men. For women, wealth change is lower for remarried and all not married women compared to married women with the exception of never married women. The inclusion of the additional covariates in Model 2 explains all of the difference between married and remarried or never married women, 40 percent of the difference between married and divorced women, 49 percent of the difference between married and widowed women and 30 percent of the difference between partnered and married women.

In sum, basic demographics explain all of the difference in wealth change by marital status for men (exception is partnered men), but not so for women. For women, the inclusion of additional controls for socio-economic status and other household and individual characteristics explains all of the difference between married and remarried women and between one third and one half of the difference between married women and other not married women. Thus for women, some of the variation is left unexplained.

Changes in wealth among individuals that change marital status.

To study wealth change in panel among individuals that change marital status, we examine wealth levels and changes in the two waves prior to the marital status change (t-1 and t), the two years over which the marital status change occurred (t and t+1) and the two years after the marital status change occurred (t+1 and t+2). Thus we limit our sample to individuals in four consecutive waves of data and exclude individuals with more than one marital change between survey waves. We also study wealth changes over the same time periods for individuals that do not change marital status. Results on wealth levels and changes are given in Table 6a and wealth changes as a percentage of the prior wave wealth level in Table 6b.

Among married and separated individuals that divorce between waves, wealth is already declining in the wave prior to the divorce (Table 6a). Married individuals that are divorced in time t+1 experienced a \$39,918 wealth loss while married from time (t-1) to (t), or 14 percent of their time (t-1) wealth (Table 6b). Over the two years in which the divorced occurred, married individuals lost another \$132,779 in wealth or about 53 percent of their time (t) wealth. There is some wealth recovery after the divorce: wealth increased by \$22,210 or 19 percent. The dissaving before the divorce and savings after the divorce lead to a wealth change of \$62,128 from before ((t-1) to (t)), to after ((t+2)-(t+1)) the divorce. Separated individuals have wealth declines of \$42,858 over the two years they are separated ((t)-(t-1)) and prior to the divorce, which is 27 percent of their time (t-1) wealth. Unlike married couples that divorce, separated individuals have wealth increases during the wave in which they divorce and the wave in which they are divorced.

⁸ We analyze characteristics of this sample restricted to be in four consecutive waves and find no statistically significant differences in average age, education, number of children, mean and median wealth or earnings. Although the differences are not statistically different, the sample in four consecutive waves has slightly higher wealth and earnings.

Wealth change is positive for all groups that change marital status, *after* the change. In fact, the wealth change from t+1 to t+2 for married to divorced, divorced to married and married to married is similar and is between \$22,000 and \$25,000 but represents a larger percentage of wealth for divorced individuals who went from married to divorced. The wealth change experience of married individuals who are widowed between time (t) and (t+1) is much different than those who divorced. There is no significant wealth loss in the years before the widowing occurred, the widowing results in a wealth decline of \$11,602 over two years or about 5 percent of their married (prewidowed) wealth at time (t).

Divorced individuals that remarry accumulate assets while divorced (change (t-1) to (t) is \$35,565) at a higher level and rate than those who remain divorced (\$11,019). Assets enter the household with marriage: wealth levels increase \$64,789 between waves that individuals go from divorced to married and then level back to levels and rates similar to those individuals who remain married. Widow and other singles (never married and partners) that marry also show substantial increases in wealth over the waves in which they get married and then a smaller increase in (in level and rate) the following waves in which they are married.

In sum, divorce is associated with wealth loss and the loss in wealth begins before the divorce occurs and wealth recovery in the form of increased savings after the divorce. In contrast, a widowing is associated with much a smaller magnitude of wealth loss. Remarriage and marriage (for never married) is associated with increases in wealth at the time of remarriage consistent with the addition of an individual bringing wealth into the household followed by future wealth increases of lower levels.

Empirical models of the change in the change in wealth

Demographic controls, measure of lifetime and current earnings and other rich measures of characteristics accounted for all of the differences in wealth change by marital status among men (exception is partnered men) and some of the difference among women for samples of individuals that did not change marital status. If there is remaining unobserved heterogeneity correlated with marital status then the marginal effects of marital status on wealth change will be biased. We eliminate unobserved heterogeneity fixed over time (e.g. prudence) and measure the effect of marital status and changes in income growth with additional controls for age and year by estimating models of the *change in wealth change*. We estimate wealth change for individuals that change marital status, before and after the marital status change so measured wealth change is not primarily the result of individuals entering or leaving the household. That is, we use *change in wealth change* [(t+2)-(t+1)] – [(t)-(t-1)] and the change ((t+1)-(t)) is the wave in which marital status changed and is omitted from the calculation.

Our model of the change in wealth change, for a sample of respondents that are present in 4 consecutive waves, includes all possible marital statuses (excluded is married, no change over time), change in the change in income over this same time period, age, sex and year indicators. Estimation results are given in Table 7 for all respondents and separately for males and females. The top and bottom 2 percent of the dependent variable (change in wealth change) is trimmed. If there is no change in savings behavior, we would expect the change in the change to be small. The mean

_

⁹ We include all respondents from birth cohorts 1947 or earlier. Restricting the sample to respondents in the 1931-1941 and 1942-1947 cohorts as we do in the model with results shown in Tables 4 and 5 does not change our findings.

dependent variable is \$4,188. We discuss the findings noting that the standard errors around most estimates are large so few statistically differences are found.

Consistent with our earlier findings from models of wealth change on a sample of individuals that do not change marital status, the magnitude of effect of marital status on the *change in wealth change* among individuals that remain divorced, widowed or single over the four waves is small and not different than for individuals that remain married. For example the change in wealth change is \$912 less among divorced individuals compared to married individuals and \$3,266 less for widows compared to married individuals (Table 7). The difference in the change in wealth change between widows and married individuals decrease from the mean difference (Table 6a) once age controls are added. Among women, there is no difference in the change in wealth change of women that stay divorced, widowed or other single women over the four waves (partnered or never married) compared to married women that remain married.

The marginal effects on marital status changes from married or separated to divorced or widowed are positive suggesting transition to a not married state is leading to higher savings relative to the change in savings of married couples. As we saw in Table 6a, the large positive change in wealth change is due to dissaving that occurs in the waves before the wave in which the divorce occurs and the 'recovery' of savings in the divorced state. The inclusion of the change in income change does reduce the magnitude from those reported in Table 6a. Individuals that divorce from a married state have a change in wealth change that is \$46,858 higher than individuals that remain married. The difference in the change in wealth change between married individuals that divorce and those that remain married is decreased by \$15,270 from the mean difference (\$62,128 in Table 6a)

once controls are added. This estimate is lower for men (\$41,494) than women (\$50,478). Married individuals that are widowed have a slightly higher change in savings compared to individuals that remain married (\$3,494). Widowed men have a small decline in savings and women a small increase relative to men and women that remain married.

Divorced individuals that remarry have a change in savings that is less (\$-17,606) than individuals that remain married. Widowed men and women that marry have a change in wealth change that is more (\$31,907) than individuals that remain married. The estimates are imprecisely measured and the inclusion of change in income change and age does not change the magnitude of the difference relative to married couples reported in Table 6a. The effects are different for men and women. For divorced and widowed women, remarriage leads to a higher change in wealth change than married women while for men it leads to a lower change.

Change in savings is declining with age slowly (\$-539) but more rapidly for men (\$-712) than women (\$-444). Savings increases with the change in income growth. For example, a \$1,000 increase in income growth (change in change in income) increases the change in wealth change by \$208 (\$241 and \$191 for men and women respectively).

We interpret these findings cautiously. Model estimates of the effects of marital status on change in wealth change are imprecisely measured. Moreover, the estimates on individuals that change marital status are based on short-term changes – changes in savings behavior immediately before and after a marital status event and not reflecting long-term savings behavior. Indeed we find no difference in the change in wealth change between individuals that remain divorced, widowed or single and married over the four waves of data. Finally, throughout this analysis we measure wealth change and not active

savings. That is, wealth change will include capital gains or losses and other transfers into the household through mechanisms such as pension and inheritance but not through the marital transition itself.

4. Conclusion

By comparing wealth levels and lifetime earnings at age 55 of married and remarried individuals by whether they go on to divorce over the next 14 years or not, we found patterns consistent with the role of both selection and wealth loss due to marital dissolution in explaining why married individuals around age 55 have higher wealth than not married individuals. Among individuals with a stable marital status over time, we find the higher savings of couples compared to not married men (except partners) is accounted for by observable differences in economic status, pensions and mortality risk. Observable differences account for between a third and one-half of the mean savings differences between married and divorced, widowed and partnered women and all of the difference between couples and never married women. Estimates from models that control for fixed and unobserved heterogeneity by modeling the change in wealth change reveal no difference in the change in wealth change for men and women that are not married consistently over four waves compared to men and women married consistently over four consecutive waves. There is wealth change associated with changes in marital status. Divorce is associated with wealth loss beginning while married - between four and two years before the divorce occurs- substantially more wealth loss over the two years that the individual transitions from married to divorced, and wealth recovery in the form of increased savings after the divorce. Remarriage is associated with increases in

wealth at the time of marriage consistent with the addition of an individual bringing wealth into the household and followed by future wealth increases at rates similar to those who do not change marital status. Divorce at older ages is costly and remarriage is wealth enhancing and people appear to respond to marital status changes by changing their savings behavior.

References

- Cherlin, A. 1992. Marriage, Divorce and Remarriage. Cambridge, MA: Harvard University Press.
- Haider, Steven and Gary Solon. 2000. Non-Response Bias in the HRS Social Security Files. RAND Working Paper DRU-2254-NIA, February.
- Korenman, Sanders and David Neumark. 1991. Does Marriage Really Make Men More Productive? *The Journal of Human Resources* 26(2): 282-307.
- Lillard, Lee and Yoram Weiss. 1996. Uncertain Health and Survival: Effect on End-of-Life Consumption. Journal of Business and Economic Statistics 15(2): 254-68.
- Loughran, David and Julie Zissimopoulos. 2009. Why Wait? The Effect of Marriage and Childbearing on the Wage Growth of Men and Women. *The Journal of Human Resources* 44(2): 326-349.
- Lundberg, Shelly and Elaina Rose. 2002. The Effects of Sons and Daughters on Men's Labor Supply and Wages. *Review of Economics and Statistics* 84(2): 251-68.
- Lupton, Joseph and James Smith 200). 'Marriage, Assets and Savings', 129–52 in Shoshana Grossbard-Shechtman (ed.) Marriage and the Economy: Theory and Evidence from Advanced Industrial Societies. New York and Cambridge: Cambridge University Press.
- Mincer, Jacob. 1978. Family Migration Decisions. The Journal of Political Economy 86(5): 749-773.
- Waite, Linda. 1995. Does Marriage Matter? Demography 32(4): 483-507.
- Zagorsky, Jay. 2005. Marriage and divorce's impact on wealth. *Journal of Sociology* 41(4): 406–424.

Table 1. Distribution of Marital Status in 1992 and Changes 1992-2006

1992 Marital Status and Any Change 1992-2006:	No. Obs.	Percent
Married in 1992 & no change	7,411	70.0
Married in 1992 & divorced	407	3.8
Married in 1992 & widowed	1,082	10.2
Divorced in 1992 & no change	962	9.1
Divorced in 1992 & remarried	106	1.0
Widowed in 1992 & no change	583	5.5
Widowed in 1992 & remarried	34	0.3
All	10,585	100.0

Notes: Sample birth cohort 1931-1941 in 1992 (HRS wave 1). Excludes 47 observations with unknown marital status.

Table 2. Wealth, Lifetime and Current Earnings in 1992 by Marital Status in 1992 and Changes 1992-2006

		Median		Mean		Ratio
	N	Wealth	Wealth	LTE	Earnings	Wealth/LTE
Married in 1992 & no change	5,472	173,457	363,814	1,241,020	57,201	0.293
Married in 1992 & divorced	204	99,919	278,365	1,026,509	60,821	0.271
Married in 1992 & widowed	760	121,618	254,362	923,538	37,259	0.275
Remarried in 1992 & no change	1939	125,311	281,843	1,346,968	57,668	0.209
Remarried in 1992 & divorced	203	85,080	232,421	1,215,924	46,496	0.191
Remarried in 1992 & ever widowed	322	98,271	201,530	1,021,238	35,652	0.197
Divorced in 1992 & no change	962	33,175	116,572	636,788	24,444	0.183
Divorced in 1992 & ever remarried	106	105,525	188,366	888,625	42,503	0.212
Widowed in 1992 & no change	583	47,684	125,835	403,610	14,904	0.312
Widowed in 1992 & ever remarried	34	129,137	199,769	521,556	26,421	0.383
All	10585	129,928	293,975	1,127,296	49,511	0.261

Notes: Sample birth cohort 1931-1941 in 1992 (HRS wave 1). Excludes 47 observations with unknown marital status. Wealth reported in \$2006. LTE is lifetime earnings.

Table 3. Wealth Change Over 2 Years Among Individuals with No Change in Marital Status

	N	(t)	(t+1)	$\Delta = (t+1)-(t)$	Δ as % of wealth at (t)
Married	51,444	349,951	372,545	22,595	6.5
Remarried	17,576	285,050	304,423	19,373	6.8
Divorced	8,321	136,889	149,342	12,453	9.1
Widowed	19,358	161,955	167,234	5,278	3.3
Never Married	2,928	155,061	166,029	10,968	7.1
Partnered	2,315	206,856	212,337	5,480	2.6
All	101,942	276,824	294,024	17,200	6.2

Notes: Sample individuals not changing marital status over two waves of data. Wealth in \$2006.

Table 4. Model Results for Wealth Change Among Individuals Not Changing Marital Status

_	Wealth Change						
_	Marginal effects						
Variable	Model (1)		Model (2)				
[Married]							
Remarried	-4,432	**	-3,240				
Divorced	-9,792	**	-5,146	*			
Widowed	-15,886	**	-7,922	**			
Never Married	-8,513	*	-5,977				
Partnered	-18,354	**	-13,067	**			
Male	1,464		358				
Black	-12,887		-8,432				
Other non-white	-9,549		-4,218				
Age, year	yes		yes				
Income + other controls	no		yes				
Mean Dep.	19,949		19,949				
Observations	71,128		71,128				

Source: HRS 1992-2006.

Notes: Sample is individuals not changing marital status in consecutive waves, excluding unknown married (339 obs), birth cohorts 1931-1947. Wealth change trimmed top & bottom 2%.

Table 5. Model Results for Wealth Change Among Individuals Not Changing Marital Status By Sex

Wealth Change

_										
	Men				Women					
_	Marg	inal e	ffects		Ma	Marginal effects				
_	Model (1)		Model (2)		Model (1)		Model (2)			
[Married]										
Remarried	-4,012		-3,245		-4,806	*	-3,054			
Divorced	-5,136		-368		-12,397	**	-7,390	*		
Widowed	-8,227		-4,133		-17,948	**	-9,172	**		
Never Married	-8,128		-7,400		-9,174		-5,740			
Partnered	-18,825	**	-13,355	*	-17,824	**	-12,591	*		
Black	-15,232		-10,134		-11,210		-7,252			
Other non-white	-9,968		-3,748		-9,087		-4,452			
Age, year	yes		yes		yes		yes			
Income + controls	no		yes		no		yes			
Mean Dep.	21,986		21,986		18,312		18,312			
Observations	31,685		31,685		39,443		39,443			

Source: HRS 1992-2006.

Notes: Sample is individuals not changing marital status in consecutive waves, excluding unknown married (339 obs), birth cohorts 1931-1947. Wealth change trimmed top & bottom 2%

Table 6a. Wealth Change Among Individuals Changing and Not Changing Marital Status

Mstat Change										
			Mstat	between	t and t+1	Mstat	Δt	$\Delta(t+1)$	$\Delta(t+2)$	$\Delta(t+2)$ - Δt
										[(t+2) -
Mstat at	Mstat at								(t+2) -	(t+1)] -
t-1 & t	t+1 & t+2	N	t-1	t	t+1	t+2	(t)- $(t-1)$	(t+1) - (t)	(t+1)	[(t)-(t-1)]
Married	Divorced	95	291,125	251,206	118,428	140,638	-39,918	-132,779	22,210	62,128
Separated	Divorced	60	160,531	117,673	161,568	171,434	-42,858	43,895	9,866	52,724
Married	Widowed	1,518	241,539	240,363	228,761	229,410	-1,176	-11,602	649	1,826
Divorced	Married	67	154,940	190,505	255,293	278,591	35,565	64,789	23,298	-12,267
Widowed	Married	65	288,861	312,180	447,799	508,835	23,318	135,619	61,036	37,718
Single	Married	76	264,758	310,712	384,774	398,305	45,954	74,061	13,531	-32,423
Married	Married	38,129	334,700	354,144	374,555	399,985	19,444	20,411	25,430	5,986
Divorced	Divorced	3,823	135,639	146,657	152,885	169,882	11,019	6,227	16,997	5,978
Widowed	Widowed	8,276	170,562	174,701	171,482	170,578	4,140	-3,219	-904	-5,044
Single	Single	2,298	169,071	182,858	195,303	212,353	13,786	12,445	17,050	3,264

Notes: Sample is individuals changing marital status and in four consecutive waves of data. Wealth in \$2006. Single is never married and partnered. Trimmed top and bottom 2% of Δ .

Table 6b.

		_	Between wave change as % of prior wave wealth						
Mstat at	Mstat at								
t-1 & t	t+1 & t+2	N	[(t)-(t-1)/t-1]*100	[(t+1)-(t)/t]*100	[(t+2)-(t+1)/t+1]*100				
Married	Divorced	95	-13.7	-52.9	18.8				
Separated	Divorced	60	-26.7	37.3	6.1				
Married	Widowed	1,518	-0.5	-4.8	0.3				
Divorced	Married	67	23.0	34.0	9.1				
Widowed	Married	65	8.1	43.4	13.6				
Single	Married	76	17.4	23.8	3.5				
Married	Married	38,129	5.8	5.8	6.8				
Divorced	Divorced	3,823	8.1	4.2	11.1				
Widowed	Widowed	8,276	2.4	-1.8	-0.5				
Single	Single	2,298	8.2	6.8	8.7				

Source: HRS 1992-2006

Notes: Sample is individuals changing marital status and in four consecutive waves of data.

Wealth in \$2006. Single is never married and partnered.

Table 7. Model of Change in Wealth Change Before (t)-(t-1) and After (t+2)-(t+1) Marital Status Change

Total Wealth ((t+2)-(t+1)) - ((t)-(t-1))Marginal Effects Male All stderr stderr Female stderr Intercept 29,660 9,686 42,263 17,152 23,008 11,725 Marital Status in Marital Status (t) & (t-1): (t+2) & (t+1): [Married] [Married] Divorced -912 4,981 -4,415 9,432 1,098 5,806 Divorced 9,795 Widowed -3,2664,040 -4,175-3,0494,598 Widowed Other Single -1,963 6,270 -1,2149,988 -2,8078,051 Other Single Married 46,858 29,986 41,494 48,045 50,478 38,265 Divorced Separated 46,828 37,706 72,508 64,724 31,900 46,002 Divorced Married 3,494 7,772 -2,84415,933 5,058 8,760 Widowed Divorced Married -17,606 35,677 -54,418 48,631 33,944 53,570 Widowed 31,907 -9,202 36,224 56,381 65,841 47,262 Married Other Single Married -40,975 33,526 -53,532 49,289 -26,563 46,017 Age -539 145 -712 254 -444 181 Male 730 2,641 Income change ((t+2)-(t+1)) - ((t)-(t-1))0.208 0.011 0.241 0.020 0.191 0.014 Four consecutive data waves are: 1992/93, 1994/95, 1996, and 1998 7,621 9,767 6,036 6,147 4,716 3,724 1994/1995, 1996, 1998, and 2000 27,184 4,300 28,725 6,773 25,982 5,570 1996, 1998, 2000 and 2002 -16,883 3,866 -21,953 6,273 -13,2774,889 2000, 2002, 2004 and 2006 34,785 3,745 39,111 6,084 31,771 4,732 Mean Dependent 4.188 5.774 3.058

Source: HRS 1992-2006.

Observations

Notes: Sample is individuals in four consecutive waves, excluding unknown married (339 obs), birth 1947 and earlier. Dependent variable, 'change in wealth change' excludes wealth changes between the waves in which the marital transitions occurs (t and t+1) and values in the top & bottom 2% are trimmed. Age is measured at time (t).

54,407

22,629

31778

Appendix Table A: Model Results for Wealth Change Among Individuals Not Changing Marital Status

	All		Males	Females		
	df/dx	stdder	df/dx	stdder	df/dx	stdder
Intercept	-57,162	33,749	-71,127	50,861	-57,368	46,266
Male	358	1,442				
Remarried	-3,240	1,795	-3,245	2,636	-3,054	2,473
Divorced	-5,146	2,520	-368	4,430	-7,390	3,101
Widowed	-7,923	2,680	-4,133	6,510	-9,172	2,995
Never Married	-5,977	4,758	-7,400	8,007	-5,740	5,886
Partnered	-13,067	4,231	-13,355	6,231	-12,591	5,790
Age	2,486	1,099	2,730	1,651	2,608	1,499
Age-squared	-25	9	-27	14	-27	13
Less high school	-4,773	1,873	-4,953	2,953	-4,794	2,420
Some college	4,317	1,913	5,631	2,943	3,449	2,514
College	20,664	2,063	19,778	3,147	22,027	2,735
Black	-8,432	1,995	-10,134	3,271	-7,252	2,508
Other non-white	-4,218	3,544	-3,748	5,668	-4,452	4,523
No kids	1,237	4,558	4,873	7,086	-1,962	6,058
4 or more kids	-1,669	1,522	-2,972	2,373	-761	1,978
Mortality risk: dev. from lifetable:			ŕ			
Living 10-19 more yrs	76	30	106	47	58	39
Living 20-29 more yrs	60	51	47	90	64	61
Least risk averse	1,504	2,264	3,891	3,510	-629	2,959
Third most risk averse	1,022	2,409	2,499	3,756	-94	3,132
Second most risk averse	3,834	2,269	3,311	3,516	4,273	2,964
5-10yr financial planning horizon	215	1,652	835	2,555	-47	2,163
10+ yr financial planning horizon	2,538	2,545	2,259	3,933	2,931	3,336
HH earnings quintile 2	-747	2,165	-1,021	3,367	-532	2,856
HH earnings quintile 3	-4,547	2,291	-1,779	3,521	-5,581	2,978
HH earnings quintile 4	-6,946	2,395	-3,667	3,674	-6,874	3,150
HH earnings quintile 5	10,518	2,523	7,312	3,888	10,547	3,330
PDV lifetime earnings quintile 2	4,780	7,788	9,979	14,776	4,705	9,079
PDV lifetime earnings quintile 3	4,596	7,823	6,202	14,809	2,691	9,137
PDV lifetime earnings quintile 4	3,608	7,857	8,357	14,836	1,711	9,188
PDV lifetime earnings quintile 5	14,103	7,915	19,372	14,886	12,075	9,293
Household has DB pension	8,708	2,215	9,243	3,391	8,522	2,928
Household has DC pension	10,758	2,247	12,496	3,441	9,629	2,966
Household has DB&DC pension	28,930	2,579	30,641	3,863	27,808	3,469
Birth Cohort 1942-1947	-3,671	2,592	-4,255	3,997	-3,165	3,407
Y1992	5,721	2,769	6,116	4,284	5,280	3,625
Y1994	-6,385	2,725	-6,696	4,228	-6,114	3,557
Y1996	16,649	2,687	20,649	4,161	13,392	3,509
Y1998	15,586	2,525	17,904	3,921	13,482	3,295
Y2002	15,402	2,554	17,277	3,978	13,990	3,321
Y2004	24,116	2,643	26,741	4,137	22,256	3,425
N	71,128		31,685		39,443	

Source: HRS 1992-2006.

Notes: Sample is individuals not changing marital status in consecutive waves, excluding unknown married (339 obs), WBB or HRS cohort. Wealth change trimmed top & bottom 2%.

Appendix Table B. Means of model covariates from Tables 4 and 5

Male 0.445 1.000 0.000 Remarried 0.231 0.268 0.201 Divorced 0.095 0.068 0.117 Widowed 0.086 0.029 0.132 Never Married 0.029 0.026 0.031 Partnered 0.029 0.032 0.026 Age 59.634 59.526 59.721 Less high school 0.239 0.226 0.249 Some college 0.200 0.203 0.197 College 0.182 0.190 0.175 Black 0.155 0.133 0.173 Other non-white 0.040 0.038 0.043 No kids 0.059 0.064 0.055 4 or more kids 0.059 0.040 0.038 0.111 Living 10-19 more yrs <th></th> <th>All</th> <th>Males</th> <th>Females</th>		All	Males	Females
Divorced 0.095 0.068 0.17 Widowed 0.086 0.029 0.132 Never Married 0.029 0.026 0.031 Partnered 0.029 0.032 0.026 Age 59.634 59.526 59.721 Less high school 0.239 0.226 0.249 Some college 0.200 0.203 0.197 College 0.182 0.190 0.175 Black 0.155 0.133 0.173 Other non-white 0.040 0.038 0.043 No kids 0.059 0.064 0.055 4 or more kids 0.393 0.387 0.397 Mortality risk: dev. from lifetable: Living 10-19 more yrs -4.827 -2.979 -6.311 Living 20-29 more yrs -3.630 -2.675 -4.397 Least risk averse 0.111 0.112 0.110 Third most risk averse 0.095 0.094 0.096 Second most risk averse 0.110 0.11	Male	0.445	1.000	0.000
Widowed 0.086 0.029 0.026 0.031 Never Married 0.029 0.032 0.026 Age 59.634 59.526 59.721 Less high school 0.239 0.226 0.249 Some college 0.200 0.203 0.197 College 0.182 0.190 0.175 Black 0.155 0.133 0.173 Other non-white 0.040 0.038 0.043 No kids 0.059 0.064 0.055 4 or more kids 0.393 0.387 0.397 Mortality risk: dev. from lifetable: Living 10-19 more yrs -4.827 -2.979 -6.311 Living 20-29 more yrs -3.630 -2.675 -4.397 Least risk averse 0.111 0.112 0.110 Third most risk averse 0.095 0.094 0.096 Second most risk averse 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr fi	Remarried	0.231	0.268	0.201
Never Married 0.029 0.026 0.031 Partnered 0.029 0.032 0.026 Age 59.634 59.526 59.721 Less high school 0.239 0.226 0.249 Some college 0.200 0.203 0.197 College 0.182 0.190 0.175 Black 0.155 0.133 0.173 Other non-white 0.040 0.038 0.043 No kids 0.059 0.064 0.055 4 or more kids 0.393 0.387 0.397 Mortality risk: dev. from lifetable: Living 10-19 more yrs -4.827 -2.979 -6.311 Living 20-29 more yrs -3.630 -2.675 -4.397 Least risk averse 0.111 0.112 0.110 Third most risk averse 0.095 0.094 0.096 Second most risk averse 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr financial plan horizon<	Divorced	0.095	0.068	0.117
Partnered 0.029 0.032 0.026 Age 59.634 59.526 59.721 Less high school 0.239 0.226 0.249 Some college 0.200 0.203 0.197 College 0.182 0.190 0.175 Black 0.155 0.133 0.173 Other non-white 0.040 0.038 0.043 No kids 0.059 0.064 0.055 4 or more kids 0.393 0.387 0.397 Mortality risk: dev. from lifetable: Living 10-19 more yrs -4.827 -2.979 -6.311 Living 20-29 more yrs -3.630 -2.675 -4.397 Least risk averse 0.111 0.112 0.110 Third most risk averse 0.095 0.094 0.096 Second most risk averse 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr financial plan horizon 0.086 0.088 0.085 Current earnin	Widowed	0.086	0.029	0.132
Age 59.634 59.526 59.721 Less high school 0.239 0.226 0.249 Some college 0.200 0.203 0.197 College 0.182 0.190 0.175 Black 0.155 0.133 0.173 Other non-white 0.040 0.038 0.043 No kids 0.059 0.064 0.055 4 or more kids 0.0393 0.387 0.397 Mortality risk: dev. from lifetable: Living 10-19 more yrs -4.827 -2.979 -6.311 Living 20-29 more yrs -3.630 -2.675 -4.397 Least risk averse 0.111 0.112 0.110 Third most risk averse 0.095 0.094 0.096 Second most risk averse 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr financial plan horizon 0.086 0.088 0.085 Current earnings 30,059 31,804 28,669 PDV	Never Married	0.029	0.026	0.031
Less high school 0.239 0.226 0.249 Some college 0.200 0.203 0.197 College 0.182 0.190 0.175 Black 0.155 0.133 0.173 Other non-white 0.040 0.038 0.043 No kids 0.059 0.064 0.055 4 or more kids 0.393 0.387 0.397 Mortality risk: dev. from lifetable: Living 10-19 more yrs -4.827 -2.979 -6.311 Living 20-29 more yrs -3.630 -2.675 -4.397 Least risk averse 0.111 0.112 0.110 Third most risk averse 0.095 0.094 0.096 Second most risk averse 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr financial plan horizon 0.086 0.088 0.085 Current earnings 30,059 31,804 28,669 PDV lifetime earnings 813,044 893,356 747,993	Partnered	0.029	0.032	0.026
Some college 0.200 0.203 0.197 College 0.182 0.190 0.175 Black 0.155 0.133 0.173 Other non-white 0.040 0.038 0.043 No kids 0.059 0.064 0.055 4 or more kids 0.393 0.387 0.397 Mortality risk: dev. from lifetable: 1.10 0.279 -6.311 Living 10-19 more yrs -4.827 -2.979 -6.311 Living 20-29 more yrs -3.630 -2.675 -4.397 Least risk averse 0.111 0.112 0.110 Third most risk averse 0.095 0.094 0.096 Second most risk averse 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr financial plan horizon 0.086 0.088 0.085 Current earnings 30,059 31,804 28,669 PDV lifetime earnings 813,044 893,356 747,993 Household has DB	Age	59.634	59.526	59.721
College 0.182 0.190 0.175 Black 0.155 0.133 0.173 Other non-white 0.040 0.038 0.043 No kids 0.059 0.064 0.055 4 or more kids 0.393 0.387 0.397 Mortality risk: dev. from lifetable: 1.100 0.110 0.111 0.112 0.110 Living 20-29 more yrs -3.630 -2.675 -4.397 0.482 0.2675 -4.397 Least risk averse 0.111 0.112 0.110 0.110 0.111 0.110 Third most risk averse 0.095 0.094 0.096 0.096 0.094 0.096 Second most risk averse 0.110 0.111 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 0.086 0.088 0.085 Current earnings 30,059 31,804 28,669 0.086 0.088 0.085 Current earnings 813,044 893,356 747,993 <td>Less high school</td> <td>0.239</td> <td>0.226</td> <td>0.249</td>	Less high school	0.239	0.226	0.249
Black 0.155 0.133 0.173 Other non-white 0.040 0.038 0.043 No kids 0.059 0.064 0.055 4 or more kids 0.393 0.387 0.397 Mortality risk: dev. from lifetable: Living 10-19 more yrs -4.827 -2.979 -6.311 Living 20-29 more yrs -3.630 -2.675 -4.397 Least risk averse 0.111 0.112 0.110 Third most risk averse 0.095 0.094 0.096 Second most risk averse 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr financial plan horizon 0.086 0.088 0.085 Current earnings 30,059 31,804 28,669 PDV lifetime earnings 813,044 893,356 747,993 Household has DB pension 0.149 0.153 0.146 Household has DB&DC pension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 <t< td=""><td>Some college</td><td>0.200</td><td>0.203</td><td>0.197</td></t<>	Some college	0.200	0.203	0.197
Other non-white 0.040 0.038 0.043 No kids 0.059 0.064 0.055 4 or more kids 0.393 0.387 0.397 Mortality risk: dev. from lifetable: Living 10-19 more yrs -4.827 -2.979 -6.311 Living 20-29 more yrs -3.630 -2.675 -4.397 Least risk averse 0.111 0.112 0.110 Third most risk averse 0.095 0.094 0.096 Second most risk averse 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr financial plan horizon 0.086 0.088 0.085 Current earnings 30,059 31,804 28,669 PDV lifetime earnings 813,044 893,356 747,993 Household has DB pension 0.149 0.153 0.146 Household has DB&DC pension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 0.120 0.112 Y1994 0.138 <t< td=""><td>College</td><td>0.182</td><td>0.190</td><td>0.175</td></t<>	College	0.182	0.190	0.175
No kids 0.059 0.064 0.055 4 or more kids 0.393 0.387 0.397 Mortality risk: dev. from lifetable: 1.00 0.387 0.397 Living 10-19 more yrs -4.827 -2.979 -6.311 Living 20-29 more yrs -3.630 -2.675 -4.397 Least risk averse 0.111 0.112 0.110 Third most risk averse 0.095 0.094 0.096 Second most risk averse 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr financial plan horizon 0.086 0.088 0.085 Current earnings 30,059 31,804 28,669 PDV lifetime earnings 813,044 893,356 747,993 Household has DB pension 0.149 0.153 0.146 Household has DB&DC pension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 0.120 0.112 Y1992 0.146 0.150 0.144	Black	0.155	0.133	0.173
4 or more kids 0.393 0.387 0.397 Mortality risk: dev. from lifetable: Living 10-19 more yrs -4.827 -2.979 -6.311 Living 20-29 more yrs -3.630 -2.675 -4.397 Least risk averse 0.111 0.112 0.110 Third most risk averse 0.095 0.094 0.096 Second most risk averse 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr financial plan horizon 0.086 0.088 0.085 Current earnings 30,059 31,804 28,669 PDV lifetime earnings 813,044 893,356 747,993 Household has DB pension 0.149 0.153 0.146 Household has DB bension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 0.120 0.112 Y1992 0.146 0.150 0.144 Y1994 0.138 0.139 0.137 Y1996 0.132 0.132 0.131 Y1998 0.155 0.156 0.153 <td>Other non-white</td> <td>0.040</td> <td>0.038</td> <td>0.043</td>	Other non-white	0.040	0.038	0.043
Mortality risk: dev. from lifetable: Living 10-19 more yrs -4.827 -2.979 -6.311 Living 20-29 more yrs -3.630 -2.675 -4.397 Least risk averse 0.111 0.112 0.110 Third most risk averse 0.095 0.094 0.096 Second most risk averse 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr financial plan horizon 0.086 0.088 0.085 Current earnings 30,059 31,804 28,669 PDV lifetime earnings 813,044 893,356 747,993 Household has DB pension 0.149 0.153 0.146 Household has DB&DC pension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 0.120 0.112 Y1992 0.146 0.150 0.144 Y1994 0.138 0.139 0.137 Y1996 0.132 0.132 0.131 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143	No kids	0.059	0.064	0.055
Living 10-19 more yrs -4.827 -2.979 -6.311 Living 20-29 more yrs -3.630 -2.675 -4.397 Least risk averse 0.111 0.112 0.110 Third most risk averse 0.095 0.094 0.096 Second most risk averse 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr financial plan horizon 0.086 0.088 0.085 Current earnings 30,059 31,804 28,669 PDV lifetime earnings 813,044 893,356 747,993 Household has DB pension 0.149 0.153 0.146 Household has DB&DC pension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 0.120 0.112 Y1992 0.146 0.150 0.144 Y1994 0.138 0.139 0.137 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141	4 or more kids	0.393	0.387	0.397
Living 20-29 more yrs -3.630 -2.675 -4.397 Least risk averse 0.111 0.112 0.110 Third most risk averse 0.095 0.094 0.096 Second most risk averse 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr financial plan horizon 0.086 0.088 0.085 Current earnings 30,059 31,804 28,669 PDV lifetime earnings 813,044 893,356 747,993 Household has DB pension 0.149 0.153 0.146 Household has DC pension 0.137 0.141 0.134 Household has DB&DC pension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 0.120 0.112 Y1992 0.146 0.150 0.144 Y1994 0.138 0.139 0.137 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141				
Least risk averse 0.111 0.112 0.110 Third most risk averse 0.095 0.094 0.096 Second most risk averse 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr financial plan horizon 0.086 0.088 0.085 Current earnings 30,059 31,804 28,669 PDV lifetime earnings 813,044 893,356 747,993 Household has DB pension 0.149 0.153 0.146 Household has DC pension 0.137 0.141 0.134 Household has DB&DC pension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 0.120 0.112 Y1992 0.146 0.150 0.144 Y1994 0.138 0.139 0.137 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141	Living 10-19 more yrs	-4.827	-2.979	-6.311
Third most risk averse 0.095 0.094 0.096 Second most risk averse 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr financial plan horizon 0.086 0.088 0.085 Current earnings 30,059 31,804 28,669 PDV lifetime earnings 813,044 893,356 747,993 Household has DB pension 0.149 0.153 0.146 Household has DC pension 0.137 0.141 0.134 Household has DB&DC pension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 0.120 0.112 Y1992 0.146 0.150 0.144 Y1994 0.138 0.139 0.137 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141	Living 20-29 more yrs	-3.630	-2.675	-4.397
Second most risk averse 0.110 0.111 0.110 5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr financial plan horizon 0.086 0.088 0.085 Current earnings 30,059 31,804 28,669 PDV lifetime earnings 813,044 893,356 747,993 Household has DB pension 0.149 0.153 0.146 Household has DC pension 0.137 0.141 0.134 Household has DB&DC pension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 0.120 0.112 Y1992 0.146 0.150 0.144 Y1994 0.138 0.139 0.137 Y1996 0.132 0.132 0.131 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141	Least risk averse	0.111	0.112	0.110
5-10yr financial plan horizon 0.273 0.287 0.261 10+ yr financial plan horizon 0.086 0.088 0.085 Current earnings 30,059 31,804 28,669 PDV lifetime earnings 813,044 893,356 747,993 Household has DB pension 0.149 0.153 0.146 Household has DC pension 0.137 0.141 0.134 Household has DB&DC pension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 0.120 0.112 Y1992 0.146 0.150 0.144 Y1994 0.138 0.139 0.137 Y1996 0.132 0.132 0.131 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141	Third most risk averse	0.095	0.094	0.096
10+ yr financial plan horizon 0.086 0.088 0.085 Current earnings 30,059 31,804 28,669 PDV lifetime earnings 813,044 893,356 747,993 Household has DB pension 0.149 0.153 0.146 Household has DC pension 0.137 0.141 0.134 Household has DB&DC pension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 0.120 0.112 Y1992 0.146 0.150 0.144 Y1994 0.138 0.139 0.137 Y1996 0.132 0.132 0.131 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141	Second most risk averse	0.110	0.111	0.110
Current earnings 30,059 31,804 28,669 PDV lifetime earnings 813,044 893,356 747,993 Household has DB pension 0.149 0.153 0.146 Household has DC pension 0.137 0.141 0.134 Household has DB&DC pension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 0.120 0.112 Y1992 0.146 0.150 0.144 Y1994 0.138 0.139 0.137 Y1996 0.132 0.132 0.131 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141	5-10yr financial plan horizon	0.273	0.287	0.261
PDV lifetime earnings 813,044 893,356 747,993 Household has DB pension 0.149 0.153 0.146 Household has DC pension 0.137 0.141 0.134 Household has DB&DC pension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 0.120 0.112 Y1992 0.146 0.150 0.144 Y1994 0.138 0.139 0.137 Y1996 0.132 0.132 0.131 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141	10+ yr financial plan horizon	0.086	0.088	0.085
Household has DB pension 0.149 0.153 0.146 Household has DC pension 0.137 0.141 0.134 Household has DB&DC pension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 0.120 0.112 Y1992 0.146 0.150 0.144 Y1994 0.138 0.139 0.137 Y1996 0.132 0.132 0.131 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141	Current earnings	30,059		
Household has DC pension 0.137 0.141 0.134 Household has DB&DC pension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 0.120 0.112 Y1992 0.146 0.150 0.144 Y1994 0.138 0.139 0.137 Y1996 0.132 0.132 0.131 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141	PDV lifetime earnings	813,044	893,356	747,993
Household has DB&DC pension 0.112 0.123 0.104 Birth Cohort 1942-1947 0.115 0.120 0.112 Y1992 0.146 0.150 0.144 Y1994 0.138 0.139 0.137 Y1996 0.132 0.132 0.131 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141	Household has DB pension	0.149	0.153	0.146
Birth Cohort 1942-1947 0.115 0.120 0.112 Y1992 0.146 0.150 0.144 Y1994 0.138 0.139 0.137 Y1996 0.132 0.132 0.131 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141		0.137	0.141	0.134
Y1992 0.146 0.150 0.144 Y1994 0.138 0.139 0.137 Y1996 0.132 0.132 0.131 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141	Household has DB&DC pension	0.112	0.123	0.104
Y1994 0.138 0.139 0.137 Y1996 0.132 0.132 0.131 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141	Birth Cohort 1942-1947	0.115	0.120	0.112
Y1996 0.132 0.132 0.131 Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141	Y1992	0.146	0.150	0.144
Y1998 0.155 0.156 0.153 Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141	Y1994	0.138	0.139	0.137
Y2002 0.145 0.143 0.147 Y2004 0.138 0.133 0.141	Y1996	0.132	0.132	0.131
Y2004 0.138 0.133 0.141	Y1998	0.155	0.156	0.153
	Y2002	0.145	0.143	0.147
Number of Observations 71,128 31,685 39,443	Y2004	0.138	0.133	0.141
	Number of Observations	71,128	31,685	39,443

Source: HRS 1992-2006.

Notes: Sample is individuals not changing marital status in consecutive waves, excluding unknown married (339 obs), birth cohorts 1931-1947. Earnings in \$2006