

## **Social Security Expectations and Retirement Savings Decisions**

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## Abstract

Retirement savings decisions should depend on expectations of Social Security retirement income. Persons may be uncertain of their future Social Security benefits for several reasons, including uncertainty about their future labor earnings, the formula now determining social security benefits, and the future structure of the Social Security system. To learn how Americans perceive their benefits, we have elicited Social Security expectations from respondents to the Survey of Economic Expectations. We have also performed a more intensive face-to-face survey on a small sample of respondents. This paper presents the empirical findings.

## 1. Introduction

Retirement savings decisions in the United States should depend on expectations of Social Security retirement income. Persons may be uncertain of their future Social Security benefits for several reasons, including uncertainty about their future labor earnings, the formula now determining social security benefits, and the future structure of the Social Security system. This last source of uncertainty is particularly pertinent today, as Congress and the President contemplate possibly radical revision of a Social Security system declared by President Bush's Commission to Strengthen Social Security to have "reached retirement age."<sup>1</sup> Some proposed revisions, notably those calling for private investment of OASDI taxes, could increase uncertainty about future benefits. Other proposals, notably those calling for the government to create a "Social Security lockbox" of guaranteed benefits, could reduce uncertainty. The Social Security Administration (SSA) calls the public's attention to the possibility of future change in its document The Future of Social Security, which begins: "Will Social Security be there for you? Absolutely. The only real question is what kind of Social Security system we will have."<sup>2</sup>

Although uncertainty about Social Security benefits should be widespread, there is reason to think that the degree and nature of this uncertainty varies systematically across the population. Under the existing formula with a benefit cap, older workers with histories of consistently high levels of earnings should face less uncertainty about their benefits levels than do those with

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<sup>1</sup> Richard W. Stevenson, New York Times, July 20, 2001.

<sup>2</sup> Social Security Administration Publication No. 05-10055, August 2000. <http://www.ssa.gov/pubs/10055.html>

histories of fluctuating earnings.<sup>3</sup> Younger workers should face more labor earnings uncertainty than older workers, and also more uncertainty about the future structure of the system.

Research aiming to understand the impact of Social Security policy on retirement savings decisions has been hampered by a dearth of empirical evidence on Social Security expectations. Respondents to the Retirement History Survey and to the Health and Retirement Study have provided point forecasts of their future benefits (see Bernheim, 1988; Gustman and Steinmeier, 1999, 2001). However, respondents' uncertainty about their benefits has not been measured. Nor have attempts been made to learn the process by which persons form their expectations.

Beginning in 1999, we have elicited probabilistic expectations of Social Security retirement benefits from respondents to our national Survey of Economic Expectations (SEE), which has been ongoing since 1993 (see Dominitz and Manski, 1997a, 1997b). Moreover, in the summer of 2001, we performed a more intensive face-to-face survey on a small sample of respondents. This paper presents the empirical findings.

To frame the relevant issues in a simple yet rigorous manner, Section 2 poses an idealized model of retirement savings. Section 3 describes the data on Social Security expectations that we have collected in SEE and in the face-to-face survey. Section 4 reports our findings. Section 5 uses the decision model of Section 2 and the empirical findings of Section 4 to simulate how Social Security policy may affect retirement savings. Section 6 draws conclusions.

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<sup>3</sup> Expectations of benefits under the existing Social Security system may be influenced by the annual statements that workers now receive from the Social Security Administration. Beginning in October 1999, SSA has mailed workers of age 25 and older annual point estimates of their prospective benefits. Previously, a Personal Earnings and Benefit Estimate Statement had been available on request since 1988. See Section 4.2 for further discussion.

## 2. A Simple Model of Retirement Savings

### *Optimal Savings Decisions in a Two-Period World*

An idealized two-period model makes evident the role of Social Security expectations as a determinant of retirement savings. Suppose that a person lives for two periods, working in the first period and retiring in the second. In the first period, the person receives labor earnings and other income  $Y_1 > 0$ , which he must allocate between consumption and retirement savings. Savings may be invested in part in a mutual fund, with uncertain real rate of return, and in part in a risk-free asset; for simplicity, the risk free asset is assumed to have a zero real rate of return. Let  $S^m \geq 0$  denote savings in the mutual fund and  $S^f \geq 0$  denote risk-free savings. In the second period, the person consumes his Social Security retirement benefit  $Y_2 \geq 0$  and realized savings  $(1 + r)S^m + S^f$ , where  $r$  is the realized rate of return on the mutual fund. Thus, consumption in the two periods must satisfy the budget constraints

$$C_1 = Y_1 - S^m - S^f$$

$$C_2 = Y_2 + (1 + r)S^m + S^f.$$

The utility associated with consumption of the bundle  $(C_1, C_2)$  is  $U(C_1) + \beta U(C_2)$ , where  $\beta$  is the discount rate.

Suppose that, when facing the consumption-savings decision in the first period, the person knows his contemporaneous income  $Y_1$ , but does not know either his future Social Security benefit  $Y_2$  or the return  $r$  on the mutual fund. Suppose that he forms a subjective

distribution  $P(Y_2, r)$  and acts to maximize expected utility. Then, in the first period, the person chooses retirement savings to solve the problem

$$\max_{S^m, S^f} U(Y_1 - S^m - S^f) + \beta \int U(Y_2 + (1+r)S^m + S^f) dP(Y_2, r)$$

Thus, a person's retirement savings decision depends on his first-period income  $Y_1$ , his preferences  $[U(\cdot), \beta]$ , and his expectations  $P(Y_2, r)$  of Social Security benefits and mutual fund returns.

### *Social Security Policy and Expectations*

In the context of this model, social security policy affects the retirement savings decision by influencing the person's expectations. Policy changes could easily affect the joint distribution  $P(Y_2, r)$ , but it is perhaps easiest to speculate on the changes to the marginal distribution  $P(Y_2)$ .

Consider creation of a "Social Security Lockbox" that guarantees future benefits to persons now working. Such a guarantee would presumably reduce the size of the left tail of  $P(Y_2)$ , as workers are relieved of the present-day concern with a catastrophic collapse of the Social Security system. However, the specific effect of the policy change on expectations would likely depend on the nature of the government guarantee. A government commitment to maintain present benefit levels may well have different effects on expectations than would a guarantee of some minimum benefit level.

Revision of the Social Security system to include private investment of a portion of OASDI taxes in a personal retirement account would change Social Security from a system of

defined benefits to one with a defined-contribution component. When considering private pensions, it is commonly thought that such a change should increase the dispersion of benefit expectations and move their central tendency rightward. However, the effect on Social Security expectations may well depend on the specific form of the private-investment component and on other considerations.

### *The Need for Empirical Evidence on Expectations*

In the absence of empirical evidence, one can only speculate about how changes in Social Security policy would affect expectations, and thence retirement savings. A natural first step in assembling the necessary empirical evidence is to learn the expectations that Americans presently hold for Social Security benefits. This is the purpose of the surveys described in Section 3.

## 3. Eliciting Expectations of Social Security Benefits

### 3.1. The Survey of Economic Expectations

The Survey of Economic Expectations, a periodic module in a continuous national telephone survey conducted by the University of Wisconsin Survey Center, was begun in 1993 and has been ongoing since then. Dominitz and Manski (1997a, 1997b), Dominitz (1998, 2001), and Manski and Straub (2000) describe the survey design and report findings on expectations of income, job loss, and other outcomes one year into the future.

Beginning in 1999, the survey has included a series of questions eliciting expectations of Social Security benefits from persons of ages 18 - 69. This part of the survey begins with a brief description of the Social Security program and a request for the respondent to predict his eligibility for benefits when he is 70 years old, as follows:

Politicians and the news media have been talking recently about the future of the Social Security retirement system, the federal program providing benefits to retired workers. The amount of benefits for which someone is eligible is currently determined by the person's retirement age and by earnings prior to retirement. There has been much discussion of changing the form of the Social Security system, so the future shape of the system is not certain.

With this in mind, I would like you to think about what kind of Social Security retirement benefits will be available when you are older. In particular, think ahead to when you are about to turn 70 years old and suppose that you are not working at that time.

What is the PERCENT CHANCE that you will be eligible to collect any Social Security retirement benefits at that time?

Respondents who report a positive probability are then asked a series of questions designed to elicit their subjective distribution of benefits, conditional on eligibility. This series follows the format of the income-expectations questions that have been asked in SEE since its inception (see Dominitz and Manski, 1997a). That is, respondents are first asked to report the lowest and highest possible levels of their future benefits. The responses are then used to set thresholds for up to six probabilistic questions about the level of benefits. The series has this form:<sup>4</sup>

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<sup>4</sup> Instructing respondents to ignore inflation in the introductory statement below is potentially important, because we are asking respondents to forecast as much as fifty-two years into the future. Similar instructions were given to

Suppose you are eligible to collect Social Security benefits when you turn 70. Please think about how much money you would be eligible to collect EACH YEAR. When considering the dollar value, please ignore the effects of inflation or cost-of-living increases. That is, please respond as if a dollar today is worth the same as a dollar when you turn 70.

What do you think is the LOWEST amount of social security benefits, per year, that you would be eligible to receive?

What do you think is the HIGHEST amount of social security benefits, per year, that you would be eligible to receive?

What is the percent chance (or chances out of 100) that you would be eligible to receive over  $\$Y$ ,000 of Social Security benefits per year, when you turn 70?

The responses to these questions may be used to estimate person-specific subjective probability distributions of benefit levels, conditional on eligibility for benefits.<sup>5</sup> In combination with the reported probability of eligibility, we may estimate subjective unconditional distributions of benefits.<sup>6</sup>

### 3.2. Face-To-Face Interview

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respondents in our exploratory study of student expectations of the returns to schooling (Dominitz and Manski, 1996).

<sup>5</sup> As in Dominitz and Manski (1997a), we use a least-squares criterion to fit person-specific log-normal distributions to the responses to the probabilistic question

<sup>6</sup> For respondents who report a zero probability of eligibility, the unconditional distribution is necessarily degenerate at \$0. We do not elicit conditional probabilities of benefit levels from respondent who reported a zero chance of eligibility. These respondents are instead posed an open-ended question asking why “there is no chance you will be eligible to collect any Social Security retirement benefits.”

The more intensive face-to-face interviews were designed to complement the national telephone survey. A random sample of staff members at a midwestern university were asked essentially the same questions as the SEE respondents, plus additional open-ended questions intended to explore how they went about forming their expectations.<sup>7</sup> In particular, following the questions eliciting expectations of Social Security benefits, respondents were asked

Having answered these questions, please describe as best you can the considerations you had in mind when you were attempting to predict your Social Security retirement benefits.

The interview also includes a new segment eliciting perceptions of the current maximum annual Social Security benefit. Following an introductory statement, respondents were asked for their subjective probabilities of the maximum benefit exceeding various thresholds and then for a best point estimate.<sup>8</sup> The segment closed with two open-ended questions. Here is the text:

Now think about Social Security benefits today. In particular, imagine a person who is now 70 years old. Suppose that this person retired from work at age 65 and began collecting benefits after working full time for 40 years. Suppose that, while working, this person had high enough income to be eligible for the maximum Social Security benefit that is currently paid.

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<sup>7</sup> The one difference between the questions in SEE and in the face-to-face interviews concerned the thresholds for the probabilistic questions on benefit levels. The CATI software used in SEE enables application of a person-specific branching algorithm, but this was difficult to implement with the pencil-and-paper format of the face-to-face interviews. Hence the same thresholds, ranging from \$5,000 to \$25,000, were posed to all respondents.

What is the PERCENT CHANCE that this person currently receives *over*  $\{Y\}$ ,000 of Social Security benefits per year?

If you had to choose one number, what would be your best estimate of the benefits that this person receives per year?

Describe as best you can the current system that the government now uses to determine social security benefits. What are the main factors in calculating the size of the benefit? And so on.

When thinking about the previous question, please describe as best you can the sources from which you drew your information.

The interview concludes with a sequence of questions about expected income at age 70 from sources other than Social Security. Respondents report up to six probabilities corresponding to threshold values ranging from \$10,000 to \$100,000. An open-ended question concerning how these expectations were formed is asked as well. We do not analyze these data in this paper.

## 4. Empirical Findings

### 4.1. SEE Data

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<sup>8</sup> SEE elicits subjective probabilities only on the occurrence of future events, not on the value of objective quantities such as the current maximum Social Security benefit. However, the Bayesian idea that persons express uncertainty through subjective probabilities applies equally well to objective quantities and to future events.

*Sample Size, Response Rates, and Response Patterns*

The analysis in this paper is based on the 1651 SEE interviews completed from July 1999, when the Social Security questions were introduced, through April 2001. Of the 1651 respondents, 1425 were age-eligible (i.e., under 70) for the Social Security questions. Of these, 1377 reported their chance of eligibility for benefits at age 70; thus the response rate to the eligibility question was 0.97. Of these 1377 persons, 145 reported zero chance of receiving benefits. Hence 1232 persons were asked the questions eliciting lowest and highest possible benefits and the probabilities of benefits exceeding specified thresholds, conditional on eligibility. Of these 1232 persons, 790 gave responses that could be used to estimate person-specific subjective distributions; thus the response rate to this sequence of questions was 0.64. In all, we have unconditional subjective distributions of benefits for 935 (145 + 790) persons. Our analysis focuses on these respondents, who constitute 0.66 of the age-eligible SEE sample members.

The overall response rate of 0.66 to the sequence of Social Security expectations questions is considerably lower than those that we have experienced asking SEE respondents to forecast simple binary events (typically 0.95 or more) and somewhat lower than our experience eliciting income expectations one-year-ahead (typically 0.80). Over 85.5 percent (378 out of 442) of the non-response occurs when respondents do not report lowest/highest possible benefits. Another 8.4 percent did not respond to all of the probability questions asked, and the remaining 6.1 percent gave complete reports that could not be used to estimate person-specific subjective distributions.

With one-third of the sample having at least partially missing data, it is important to understand the cross-sectional pattern of response to the degree possible. Table 1 shows that

respondents and non-respondents have the same mean age. However, non-respondents are somewhat more likely to be female, less likely to be non-Hispanic whites, less likely to be labor force participants, and less likely to be high school or college graduates.

Figure 1 presents a kernel-smoothed estimate of the probability of non-response conditional on age. The figure shows a non-monotone pattern. The estimated non-response rate falls from a maximum of about 0.45 at age 21 to a minimum of about 0.25 at age 34. It then rises to a second maximum of about 0.42 at age 57 and falls again to about 0.25 at age 69. We have no ready explanation for this age pattern.

#### *Comparison with HRS Response Rates*

The rate of non-response to the SEE Social Security questions, while troubling to some degree, compares favorably with the rate of non-response to Social Security expectations questions posed in the Health and Retirement Study (HRS). The HRS questions were asked only of the most “financially knowledgeable” member of the household, and then only if this person was not receiving benefits at the time of interview. Each such respondent was first asked if he or she expects to receive a benefit “at some time in the future.” If the response is “yes,” the respondent is asked the expected age of inception of benefits (i.e., retirement age) and the expected amount of benefits “in today’s dollars” conditional on receipt at that age. The exact wording of the HRS questions is appended to this paper.

In the year 2000 survey, 4337 HRS respondents born after 1930 (i.e., under 70) were asked the yes/no expectations question, and 3745 said “yes.” Of these, 3565 reported a valid retirement age, but only 2412 reported the expected level of benefits. Thus, information on the expected level of benefits was obtained from only 0.56 (2412/4337) of the respondents queried

about their Social Security expectations.<sup>9</sup>

Although differences in sampling frames and question sequences preclude precise comparison of the HRS and SEE response rates, we think that the difference stems largely from the HRS practice of eliciting expected benefit levels only from respondents who answer “yes” to the eligibility question.<sup>10</sup> We have more to say about this below.

### *Eligibility Expectations*

Among the 1377 SEE respondents who report a valid probability of eligibility for benefits at age 70, the mean subjective probability of eligibility is 0.57 and the median is 0.60. Figure 2 presents kernel-smoothed quantiles of eligibility probabilities conditional on age. The overall pattern is striking, with older respondents tending to report much higher probabilities of eligibility than do younger ones. For example, the estimated median probability of eligibility is 0.40 at age 30, 0.50 at age 40, 0.75 at age 50, 0.95 at age 60, and 1.00 at age 65. Thus, older Americans tend to be almost certain that, in one form or another, the Social Security system will survive at least ten more years. However, younger Americans have no such confidence in the continuation of the system until their retirement.

The first two columns of Table 2 present least absolute deviations (LAD) estimates of

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<sup>9</sup> Other evidence on HRS response rates has been reported by Gustman and Steinmeier (1999, 2001), who analyze the Social Security expectations data collected in the 1992 interview. They report a response rate of 0.49 among those who (1) say “yes” to the eligibility question, regardless of age, (2) give permission to link Social Security Administration (SSA) data on their earnings histories, and (3) actually have their records linked (Gustman and Steinmeier, 2001). Approximately three-fourths of HRS respondents are said to satisfy the latter two criteria. Hence, about two-thirds of those who responded “yes” to the eligibility question and who had linkable records reported an expected level of benefits.

<sup>10</sup> SEE respondents are adults who live in households with telephones, while respondents to the HRS Social Security expectations questions are “financially-knowledgeable” individuals who are not receiving Social Security and live in households satisfying HRS age restrictions.

best linear predictors that describe the cross-sectional variation of eligibility probabilities with demographic and economic covariates of the respondents. The estimates in the first column of the table are based on the 1277 SEE respondents who report their eligibility probability and covariates, while those in the second column are based on the smaller sample of 871 respondents who answer the entire sequence of expectations questions. Clearly age is the dominant predictor variable; in both samples, the predicted chance of eligibility for benefits increases by about one and one-half percentage points for every one-year increase in age. The other covariates have relatively little predictive power.

#### *Comparison with HRS Eligibility Expectations*

It is of interest to juxtapose the SEE and HRS eligibility questions and to compare the responses. The respective questions are:

SEE: Think ahead to when you are about to turn 70 years old and suppose that you are not working at that time. What is the PERCENT CHANCE that you will be eligible to collect any Social Security retirement benefits at that time?

HRS: Do you expect to receive Social Security benefits at some time in the future?

The questions and samples of respondents differ in several respects, but the main distinction is that the SEE question asks for a subjective probability while the HRS one asks for a yes/no response. Focusing on this distinction and abstracting from the others, responses to the two questions may be compared if we suppose that respondents asked the HRS question report best point predictions of benefit eligibility, obtained by minimizing the expected value of some

symmetric loss function. As pointed out in Manski (1990), each respondent will answer “yes” if his or her subjective probability of eligibility exceeds a threshold that depends on the loss function and “no” if this probability is below the threshold. If the loss function is symmetric, the threshold probability is 0.5. So a SEE respondent with subjective probability above 0.5 would report “yes” if asked the HRS question and one with subjective probability below 0.5 would report “no.”

Figure 3 presents the actual fraction of HRS respondents of different ages who answer “yes” to the HRS eligibility question. The figure applies the reasoning of the paragraph above to estimate the fraction of SEE respondents who would have reported “yes” if they had been asked the HRS question.<sup>11</sup> Comparison of the two plots shows that they are quite close to one another at all ages; the maximum deviation is only 0.05.

This suggests that HRS respondents who report “yes” may reasonably be interpreted as having subjective eligibility probabilities in the range [0.5, 1] and those who report “no” as having probabilities in the range [0, 0.5]. This interpretation calls into question the HRS practice of not eliciting expected benefit levels from those who report “no.” Such persons, particularly those with non-negligible subjective probabilities of eligibility, may have well-formed beliefs regarding the benefits they would receive conditional on being eligible.

### *Expectations of Benefit Levels: Central Tendency*

For each of the 790 SEE respondents with complete expectations data and a positive

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<sup>11</sup> The estimates based on SEE data are kernel-smoothed. The HRS sample is large enough to eliminate the need for smoothing, so the actual year-by-year data are plotted. The HRS plot includes persons who currently receive benefits and assumes that such persons would have responded “yes” had they been asked the eligibility question.

subjective probability of eligibility for benefits, we fit a person-specific log-normal distribution to the elicited probabilities that benefits exceed different thresholds. A succinct way to characterize these subjective distributions is through their medians, to express the central tendencies of respondents' expectations, and their interquartile ranges, to express respondents' uncertainty. In what follows,  $m$  denotes the median of a person's fitted log-normal distribution and  $q$  denotes its interquartile range.<sup>12</sup>

The cross-sectional median value of  $m$  across the sample of 790 respondents is \$10,046. According to SSA records, the average monthly benefit received in March 2001 by all beneficiaries age 65 or older was \$817, which equates to \$9804 annually.<sup>13</sup> Among retired workers over age 65, the average benefit in March 2001 was \$854, or \$10,248 on an annual basis. These average figures for persons over 65 are not directly comparable to our cross-sectional median of  $m$  for benefits at age 70. However, the close correspondence of values does indicate that respondents have a reasonable general sense of the benefits they would receive, conditional on eligibility.

Figure 4 presents kernel-smoothed 0.25, 0.50, and 0.75-quantile regressions of  $m$  on age. Observe that the 0.25-quantile rises from about \$2,500 to \$5,000 as age increases from 20 to 35 and then remains close to \$5,000 as age increases from 35 to 69. The 0.50-quantile dwells in the range \$7,000 - \$10,000 for persons of age 22-35 and then in the range \$10,000 - \$12,000 for persons older than 35. The 0.75-quantile remains between \$15,000 - \$20,000 for all persons

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<sup>12</sup> It has been traditional in the literature on consumption and savings to measure central tendency and uncertainty by the mean and variance of subjective log-income. We could transform our elicited Social Security benefit expectations into expectations of log-benefits, but we see no good reason to do so. Characterization of the central tendency and uncertainty by the subjective median and interquartile range of benefits seems to us much more natural and informative.

older than 21.

The main impression that we draw from Figure 4 is that the central tendencies of persons' expectations of benefit levels vary relatively little with age. In contrast, Figure 2 showed that expectations of eligibility rise dramatically with age. Juxtaposing these findings, we conclude that younger persons tend to be much less confident than older ones that Social Security will continue to exist when they retire but, conditional on continued existence of the system, they tend to expect that benefits will remain near current levels.

Figure 4 also makes plain that expectations of benefit levels vary substantially among persons of any given age. For example, the interquartile range of  $m$  is about \$15,000 (\$20,000 - \$5,000) at age 40 and about \$13,000 (\$18,000 - \$5,000) at age 60. This heterogeneity in expectations presumably reflects a combination of real and perceptual factors. On the real side, the current system makes benefits vary with a person's own earnings and, in the case of survivor benefits, with the earnings of spouses; hence expectations should vary with personal and spousal past and expected labor earnings. On the perceptual side, persons may vary in their knowledge of how the Social Security system currently operates and in their expectations for the future structure of the system.

The third column of Table 3 presents LAD estimates of best linear predictors that describe the cross-sectional variation of  $m$  with various demographic and economic covariates of the respondents. Echoing Figure 4, we find that  $m$  varies little with age, increasing by only \$66 for every one-year increase in age. The variation with gender and schooling is more pronounced. Conditioning on other covariates, the predicted value of  $m$  is almost \$3,000 less for a women

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<sup>13</sup> See Table 1.B3 appended to this paper. Available at <http://www.ssa.gov/statistics/cos/pdf/2000/1b3.pdf>.

than for a man. This finding meshes nicely with current differences in benefits; Table 1.B3 shows that the average monthly benefit received in March 2001 by beneficiaries age 65 or older was \$232 higher for men than for women, which equates to a difference of \$2,784 annually. Conditioning on other covariates, individuals with schooling beyond high school are predicted to have subjective medians more than \$2,000 dollars higher than are individuals with no such schooling. This variation in expected benefits may reasonably arise from variation with schooling in life-cycle earnings streams.

#### *Expectations of Benefit Levels: Uncertainty*

Across the sample of 790 SEE respondents with complete expectations data and a positive probability of eligibility for benefits, the cross-sectional median of the subjective interquartile range  $q$  is \$7,049. Figure 5 presents kernel-smoothed 0.25, 0.50, and 0.75-quantile regressions of  $q$  on age. The figure shows that subjective uncertainty about the magnitude of Social Security benefits is very substantial among young persons but decreases continuously with age. The 0.25-quantile of  $q$  dwells near \$5,000 up to age 52 and then falls to zero by age 57. The 0.50-quantile falls steadily from more than \$15,000 at age 20 to zero at age 67. The 0.75-quantile falls very sharply (roughly from \$38,000 to \$20,000) from age 20 to 25, and continues to fall steadily thereafter, reaching a limit of about \$5,000 at age 69.

That uncertainty about benefit levels should decrease with age makes much sense, because uncertainty about future labor earnings and about the future structure of Social Security should decrease as retirement nears. However, we take the main message of Figure 5 to be that even middle-aged persons who are nearing retirement tend to be rather uncertain of their future benefit levels, conditional on eligibility. For example, the median value of  $q$  is \$8,000 among

respondents of age 55, who are typically only ten years from retirement.<sup>14</sup>

The final column of Table 3 presents LAD estimates of best linear predictors that describe the cross-sectional variation of  $q$  with various demographic and economic covariates of the respondents. The strong variation with age echoes Figure 5; the predicted value of  $q$  decreases by over \$250 dollars for every one-year decrease in age. The other covariates mainly have little predictive power. It appears, however, that non-Hispanic African Americans tend to be much more uncertain about their future benefit levels than do members of other ethnic groups.

#### 4.2. Face-To-Face Interview Data

In this section, we analyze survey responses obtained from 49 staff members at a midwestern university. The face-to-face interviews provide two important kinds of information not obtained from the SEE respondents. First, they provide respondents' expectations regarding the magnitude of current Social Security benefits. Second, they provide responses to open-ended questions through which we seek to learn about respondents' information sources and thought processes.

#### *Sample Size and Response Rates*

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<sup>14</sup> Analyzing the point expectations of future benefits elicited in the HRS, Gustman and Steinmeier (1999, 2001) conclude that respondents tend to misperceive the magnitude of the benefits they will receive. The pervasive uncertainty that SEE respondents reveal when questioned probabilistically makes us think that this conclusion is premature. We simply do not know how respondents who are uncertain of their future benefits choose point values when queried. Continuing the reasoning applied earlier to elicitation of eligibility, it may be that a person asked to provide a point prediction of his or her benefit level chooses a value that minimizes expected loss with respect to some loss function. If so, the reported value necessarily depends on the loss function used; the mean under square loss, the median under absolute loss, and so on.

Originally, 123 individuals were randomly selected from the university's staff directory and were solicited by e-mail to participate in a study of perceptions of the Social Security retirement system and its future. The message stated that the face-to-face interview would take no longer than 20-30 minutes and that \$15 compensation would be paid. Forty percent of the persons solicited (49/123) agreed to be interviewed. The persons interviewed responded to essentially all of the questions posed.<sup>15</sup>

Although the face-to-face survey suffered none of the item response problems encountered in the SEE telephone interviews, it did run up against another problem that SEE largely avoids. As noted in Section 3.2, respondents to the face-to-face survey were asked to report probabilities that Social Security benefits exceed a series of predetermined thresholds ranging from \$5,000 to \$25,000, rather than the SEE series of person-specific thresholds generated by responses to the earlier questions on smallest and largest possible benefits. We found that some of the 49 respondents place high probability on benefits exceeding our top threshold of \$25,000. We were able to estimate the subjective distributions of these respondents poorly, if at all.

#### *Expectations of Maximum Current Social Security Benefits: Central Tendencies*

We measure expectations of current benefits by eliciting respondents' subjective distributions of the amount now paid to a 70-year-old retired worker who is "eligible for the maximum social security benefit" after retiring at age 65. We were able to estimate subjective

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<sup>15</sup> Two respondents declined to report the smallest and largest possible Social Security benefits that they might receive at age 70. However, these and all other respondents did answer the subsequent sequence of questions asking for the probability that their benefits would exceed various predetermined thresholds.

distributions for 43 of the 49 respondents. We were not able to estimate distributions for the remaining 6 respondents, each of whom reported a 100 percent chance that the current maximum exceeds \$25,000.

Among the 43 respondents with fitted subjective distributions of maximum benefits, the cross-sectional median value of the subjective median is about \$18,500. The cross-sectional median of respondents' point "best estimate" of the maximum benefit is \$16,000 for these 43 respondents, and \$18,000 for all 49 respondents. Based on information available from the Social Security Administration, we calculate the actual value of the maximum benefit to be \$16,860.<sup>16</sup> Thus, the central tendencies of respondents' expectations tend to be reasonably in line with the facts.

In Section 4.1, we noted the absence of empirical evidence on how persons choose point estimates for quantities about which they are uncertain (see footnote 14). We can shed a bit of light on this matter by comparing the subjective medians and best estimates reported by the 43 respondents for whom we have complete data. Figure 6 displays the 43 pairs of (subjective median, best estimate) values. The reader should focus on the cases in which the subjective median is greater than our lowest threshold of \$5000 and less than our top threshold of \$25,000. In this region, a forty-five degree line through the origin provides a reasonably good overall fit to the data, with residuals that rarely exceed \$5000.

### *Expectations of Maximum Current Social Security Benefits: Uncertainty*

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<sup>16</sup> A person who retired in 1996 at age 65 and was eligible for the maximum benefit received \$1248 per month at that time (see [www.ssa.gov/OACT/COLA/exampleMax.html](http://www.ssa.gov/OACT/COLA/exampleMax.html)). Application of the yearly cost-of-living-adjustment (COLA) from 1996 onward shows that in 2001 this person, now 70 years old, receives \$1405 per month, or \$16,860 per year.

Figure 7 displays the subjective interquartile ranges of respondents' subjective distributions, along with their subjective medians. The striking conclusion is that respondents tend to be very uncertain about the current maximum benefit, with most values being above \$5000, and many being above \$10,000. There is no evident association between respondents' subjective medians and subjective interquartile ranges.

#### *Expectations of Own Future Benefits and of Maximum Current Benefits*

Figures 8 and 9 compare respondents' expectations of maximum current benefits with their expectations of their own future benefits. Figure 8 plots respondents' subjective medians for these two quantities, while Figure 9 plots their subjective interquartile ranges.

Figure 8 shows a clear positive relationship between the two subjective medians. In most cases, the data lie somewhat below the 45-degree line, indicating that respondents expect their own benefit to be smaller than current benefits. This makes sense for two reasons. First, should the future formula remain the same as today's, some respondents may believe that their life-cycle earnings will not qualify them for the maximum benefits. Second, to the extent that respondents believe the future formula will differ from today's, the tenor of the recent public discussion of Social Security makes it reasonable to expect that benefits will fall rather than rise.

Figure 9 offers a glimpse of the relationship between "formula uncertainty" (i.e., uncertainty about the current amount paid to a retired worker with a specific earnings history) and the total uncertainty an individual perceives about benefits to be paid at age 70, conditional on eligibility. The latter uncertainty includes not only formula uncertainty, but also earnings uncertainty and uncertainty about the future structure of the system. The figure indicates a weak positive relationship between formula uncertainty and total uncertainty. However, we do not

find that total uncertainty generally exceeds formula uncertainty. As often as not, the interquartile range of maximum current benefits exceeds that of own future benefits.

### *Open-Ended Responses*

In response to open-ended questions, subjects described for us their understanding of the Social Security system, as well as the information on which their understanding is based. The dominant source of information reported by respondents is the annual statement that workers now receive from the SSA. Fully 43 of the 49 respondents indicated that they based their expectations on SSA mailings, with the majority clearly describing the annual report. Other than these documents, no strong pattern emerged. Several respondents indicated that they infer the level of benefits from observation of or conversations with relatives or acquaintances currently collecting benefits.

Our introduction to the module on future benefit expectations informed respondents that current benefits are “determined by retirement age and by earnings prior to retirement.” When later asked to describe the factors that currently determine benefits, more than half of the respondents indicated a link between earnings histories and benefits. However, the responses rarely suggested a full understanding of the formula. Some respondents expressed a belief that benefits are based on earnings at retirement or over the preceding few years, as is common in employer-provided defined-benefit pension plans. Six respondents expressed a belief that benefits are mean-tested, and one speculated that benefits would be means-tested in the future.

## 5. Simulating the Impact of Social Security Policy on Retirement Savings (Preliminary Draft)

In this section we use the decision model of Section 2 and the empirical findings of Section 4 to simulate how Social Security policy may affect retirement savings. This simulation exercise should not be thought of as providing credible forecasts of policy impacts – the model of Section 2 is much too idealized and the findings of Section 4 provide only part of the empirical knowledge necessary to enable realistic forecasts. Nevertheless, we think the simulations do provide some sense of the direction and order of magnitude of the changes in retirement savings that may occur following specified revisions to the Social Security system. Section 5.1 describes the simulation scenarios and Section 5.2 reports the findings.

### 5.1. Simulation Scenarios

#### *Maintained Assumptions*

The simulations performed here suppose that period 1 and period 2 are of the same length. One way to think of these simulations is to imagine a person of age 50 who will work until age 65 and then live in retirement until age 80; then each period is 15 years in length. We suppose that this person has not saved for retirement prior to age 50.<sup>17</sup> At age 50, the person knows that he will receive income  $y_1 \equiv Y_1/15$  each year until retirement and decides on some fixed annual allocation of this income between consumption and retirement savings. We furthermore suppose that the savings allocated each year must be consumed exactly 15 years

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<sup>17</sup> One may instead think of first-period income  $Y_1$  as inclusive of accumulated savings. Alternatively, we could change the model by adding accumulated pension savings that cannot be spent in period 1.

later; that is, retirement savings allocated at age 53 will be consumed at age 68, and so on. These types of assumptions allow us to describe scenarios entirely in terms of annual income, consumption, and savings; these are simpler to think about than are the corresponding quantities expressed in terms of 15-year periods.

We consider a person who does not discount the future and whose utility function exhibits constant relative risk aversion with coefficient equal to 3; thus we set

$$u(c) = \frac{c^{1-\gamma}}{1-\gamma}; \quad \gamma = 3; \quad \beta = 1,$$

where  $c$  is consumption in a given year and  $u(\cdot)$  is annual utility. These preference assumptions are motivated in part by the findings of Barsky *et al.* (1997) and Carroll (2001). Analyzing responses to hypothetical choice questions in the HRS, Barsky *et al.* (1997) report that a majority of respondents do not discount future consumption and that almost two-thirds make choices consistent with a value of  $\gamma$  that exceeds 3.76. The specific value  $\gamma = 3$  is the center of the range 1 – 5 that Carroll (2001, p. 28) states is “generally considered plausible.”

We consider persons whose income while working is either \$50,000 or \$20,000 per year. These amounts should be thought of as net of taxes and inclusive of employer contributions to a retirement plan.

### *Baseline Expectations Assumptions*

We use the empirical findings of Section 4.1 to specify baseline values for the subjective distribution  $P(y_2)$  of annual Social Security benefits. Consider persons of age 50. Figure 2

shows that, among such persons, the median subjective probability of eligibility for benefits is 0.75. Figures 4 and 5 shows that, among such persons, the median values of  $m$  and  $q$  are about \$10,000 and \$7,000 respectively. For the person earning \$50,000 per year, we use these values of  $(m, q)$  to specify Social Security benefit expectations prior to any change in Social Security policy. For the person earning \$20,000 per year, we also entertain smaller baseline values of  $(m, q)$ , namely (\$7,000, \$4,900).

Specification of the distribution  $P(y_2)$  does not suffice to express expectations; we need to specify expectations for stock market returns  $r$  as well. To simplify the simulations, we suppose that  $y_2$  and  $r$  are subjectively statistically independent; that is,  $P(y_2, r) = P(y_2)P(r)$ . Furthermore, we consider a person for whom  $P(r)$  is a uniform distribution on the discrete values  $\{-0.50, -0.45, -0.40, \dots, 0.80, 0.85, 0.90\}$ . Thus, the subjective mean and median return over the 15-year period in which savings are set aside is specified to be 0.20. Recalling that the risk-free rate is assumed to be zero, this return may be thought of as the equity premium.

### *How Policy Affects Expectations*

We suppose that changes in Social Security policy affect  $P(y_2)$ , but not  $P(r)$ . We consider two policy changes, which could be implemented separately or in combination. These are:

- (a) A lockbox proposal that removes the threat of system collapse. Specifically, we suppose that the policy change increases the person's subjective probability of eligibility for benefits but does not change his subjective distribution of benefits conditional on eligibility.
- (b) A private investment proposal that places a portion of the person's OASDI taxes in a personal retirement account mutual fund bearing real rate of return  $r$ . The remainder of the OASDI taxes is used to fund continuation of the current defined-benefit program. Under this

proposal, the person's subjective probability of eligibility for benefits remains as at present.

His subjective distribution of defined Social Security benefits, conditional on eligibility, is specified to be log-normal with parameters  $(m/2, q/2)$ .

(c) A proposal that combines proposals (a) and (b).

## 5.2. Simulation Findings

The simulation findings are presented in Table 3. The left panel of the table specifies eighteen different scenarios. Each scenario is defined by

- a value of annual income while working (\$50,000 or \$20,000)
- a log-normal subjective distribution of Social Security defined benefits conditional on eligibility (parameterized by values for  $m$  and  $q$ )
- a probability of eligibility for benefits (0.75; 0.90; or 1.00)
- a dollar amount per year of OASDI taxes placed in a private investment account (\$5,000 or \$3,500).

The right panel of the table reports optimal annual consumption and savings in each scenario.

### *Person with \$50,000 Annual Income*

Simulations (1) through (6) consider the person who earns \$50,000 per year while working. Under the baseline simulation (1), this person consumes \$28,200 per year while working and allocates \$21,800 to savings, with \$9,800 placed in the mutual fund and \$12,100 in the risk-free asset. Simulations (2) and (3) consider the lockbox proposal and suppose that, as a

consequence, the person raises his subjective probability of eligibility from 0.75 to 0.90 or to 1.00. The result is that consumption while working rises from \$28,200 to \$29,200 or \$30,200 respectively. Total savings must, of course, decline commensurately. Nevertheless, savings placed in the mutual fund actually rises, from \$9,800 to \$10,200 or \$10,800 respectively. Only savings in the risk-free asset falls, from \$12,100 to \$10,600 or \$9,000 respectively.

Simulations (4) through (6) include investment of \$5,000 of OASDI taxes in a personal retirement account mutual fund. At the same time, the median of the subjective distribution of defined benefits, conditional on eligibility, falls to \$5,000, with an interquartile range of \$3,500. The reduction in the amount of discretionary savings placed in the mutual fund does not fully offset the mandated investment, falling by \$3,900 to \$4,600. First-period consumption rises by \$300 to \$1,400. The offset of risky investment is greater when eligibility for regular benefits is more likely, whereas the consumption increase is greater when benefit eligibility is less likely.

#### *Person with \$20,000 Annual Income*

Simulations (7) through (18) consider the person who earns \$20,000 per year while working. Simulations (7) through (12) assume the same Social Security expectations as held by the person with \$50,000 annual income. Simulations (13) through (18) assume reduced and less disperse expectations of benefits. The discussion below focuses on the latter set of simulations.

Under the baseline simulation (13), this person consumes \$11,700 per year while working and allocates \$8,300 to savings, with \$3,700 placed in the mutual fund and \$4,600 in the risk-free asset. Simulations (14) and (15) consider the lockbox proposal and suppose that, as a consequence, the person raises his subjective probability of eligibility from 0.75 to 0.90 or to 1.00. The result is that consumption while working rises from \$11,700 to \$12,400 or \$13,300

respectively. Savings placed in the mutual fund rises from \$3,700 to \$3,900 or \$4,500 respectively. Savings in the risk-free asset falls from \$4,600 to \$3,800 or \$2,200 respectively. Thus here, as with the person having \$50,000 income, the simulations indicate that a lockbox policy would increase current consumption and savings placed in the mutual fund, at the expense of savings placed in the risk-free asset.

Simulations (16) through (18) include investment of \$3,500 of OASDI taxes in a personal retirement account. Once again, the reduction in discretionary mutual fund investment does not fully offset the mandated investment, and first-period consumption increases.

## 6. Conclusion

The empirical findings reported in Section 4 add substantially to the rather limited empirical evidence that was previously available on Social Security expectations. The SEE findings on the variation of expectations with age are particularly interesting. We found that younger persons tend to be much less confident than older ones that Social Security will continue to exist when they retire. We estimate the median subjective probability of eligibility for benefits to be 0.40 at age 30, 0.50 at age 40, 0.75 at age 50, 0.95 at age 60, and 1.00 at age 65. We also found that, conditioning on continued existence of the system, younger persons and older ones both tend to expect that benefits will remain near current levels. Hence the prevalent concern among younger persons appears to be that the Social Security system will collapse entirely, not that benefits will be reduced.

Also notable is the extent of uncertainty about benefit levels. The SEE data show that

even middle-aged persons who are nearing retirement tend to have large subjective interquartile ranges for their future benefit levels, conditional on eligibility. These persons face relatively little uncertainty about their future labor earnings or about the future structure of the Social Security system, so the main source of their uncertainty about benefits must be uncertainty about the formula determining current benefits. Our face-to-face interviews provide direct empirical evidence that formula uncertainty is substantial.

The expectations data analyzed here provide some of the empirical evidence necessary to forecast how proposed changes in Social Security policy would affect retirement savings. The simulations performed in Section 5 provide some sense of the impacts that may occur, but realistic forecasting of policy impacts requires other empirical evidence (as well as a less idealized decision model). For one thing, we need to know the expectations that persons hold for the returns to private savings. For another, we need to understand how changes in policy would affect the expectations that persons hold. And, of course, forecasting savings decisions requires empirical evidence on preferences.

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<b>Table 1. Descriptive Statistics: Survey of Economic Expectations 1999-2001</b>			
	All Age Eligible (1425 observations)	Respondents (935 observations)	Non-Respondents (490 observations)
<u>Variable</u>	<u>sample mean</u>	<u>sample mean</u>	<u>sample mean</u>
Age (years)	42.3	42.3	42.3
Female	0.515	0.490	0.563
In Labor Force	0.802	0.817	0.773
High School Graduate	0.927	0.948	0.886
Bachelor's Degree or More	0.411	0.424	0.386
White, Non-Hispanic	0.802	0.831	0.745
African-American, Non-Hispanic	0.072	0.067	0.081
Married and Residing with Spouse	0.539	0.559	0.501
Widowed	0.035	0.035	0.035
Cohabiting with Partner	0.067	0.060	0.082

Other than Age, all variables are dichotomous indicators (=1 if yes).

**Table 2. Best Linear Predictors of Social Security Expectations: LAD Estimates**

Predictor Variable	Percent Chance of Eligibility at Age 70 (all respondents)	Percent Chance of Eligibility at Age 70 (respondents with complete data)	Median m of Benefits (\$), Conditional on Eligibility	IQR q of Benefits (\$), Conditional on Eligibility
Age (years)	1.42 (0.11)	1.65 (0.11)	66.20 (34.59)	-253.21 (35.74)
Female	-7.50 (2.39)	-3.30 (2.72)	-2929.89 (937.80)	428.42 (627.19)
Labor Force Participant	-1.25 (1.93)	-1.10 (3.42)	1169.09 (1114.75)	819.63 (896.40)
Some School After High School	-3.01 (3.28)	-2.21 (3.98)	2315.66 (1122.79)	153.99 (804.11)
Bachelor's Degree or More	0.00 (3.22)	2.76 (3.51)	2634.96 (1164.79)	1001.50 (830.90)
White, Non-Hispanic	2.27 (4.08)	0.71 (7.76)	2021.71 (1737.73)	1104.16 (1467.01)
African American, Non-Hispanic	2.44 (6.50)	1.26 (9.88)	2194.33 (2309.87)	4609.23 (2427.46)
Married and Residing with Spouse	-4.66 (2.64)	-3.86 (2.96)	-308.84 (900.39)	1248.94 (734.27)
Widowed	-0.57 (5.08)	-0.55 (3.38)	1329.95 (2452.33)	1228.83 (1178.72)
Cohabiting with Partner	-5.23 (8.34)	-9.21 (7.15)	885.97 (2331.92)	-826.28 (2785.09)
Intercept	8.64 (7.54)	-7.64 (10.58)	4025.37 (2641.77)	15685.50 (2878.48)
Number of Observations	1277	871	745	745

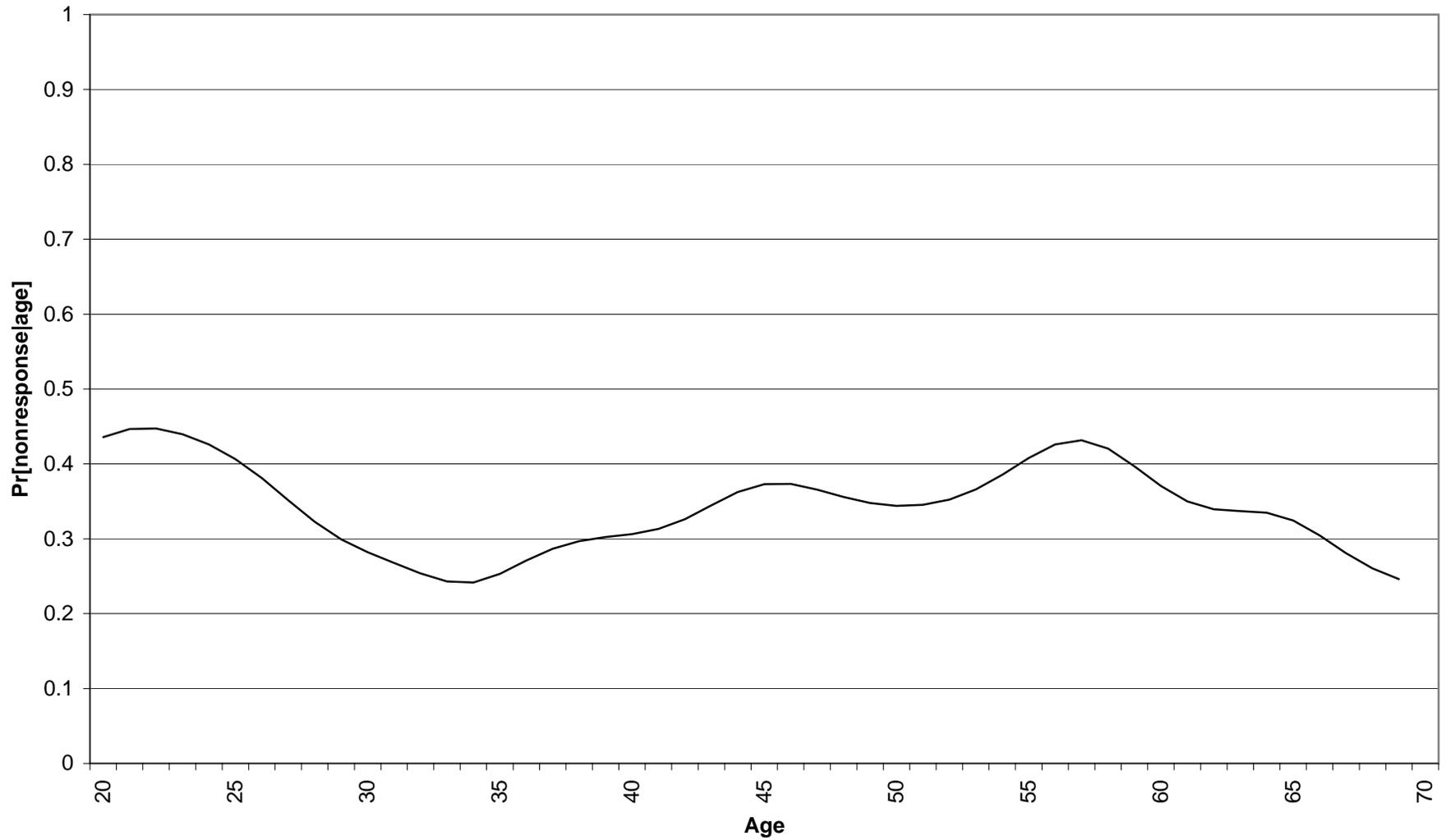
Bootstrap standard errors are reported in parentheses. Other than Age, all predictors are dichotomous.

**Table 3. Simulated Responses to Changes in Social Security Program and Benefit Expectations**

		Scenario*				Consumption and Savings Allocation				
Simulation	Net Income (incl. pension) $Y_1$	Expectations Conditional on Eligibility for Social Security Benefits		Probability of Eligibility	Social Security Personal Retirement Account	Consumption $C_1$	Savings (\$)		$S/Y_1$	$S^f/S$
		$m$	$q$				$S^m$	$S^f$		
(1)	50	10	7	0.75	0	28.2	9.8	12.1	43.7%	55.2%
(2)	50	10	7	0.90	0	29.2	10.2	10.6	41.6%	51.1%
(3)	50	10	7	1.00	0	30.2	10.8	9.0	39.7%	45.4%
(4)	50	5	3.5	0.75	5	29.6	5.9	14.5	40.8%	71.2%
(5)	50	5	3.5	0.90	5	30.1	6.1	13.8	39.8%	69.5%
(6)	50	5	3.5	1.00	5	30.5	6.3	13.3	39.1%	67.9%
(7)	20	10	7	0.75	0	11.9	3.5	4.6	40.4%	56.3%
(8)	20	10	7	0.90	0	12.8	3.6	3.6	35.8%	50.3%
(9)	20	10	7	1.00	0	14.4	4.7	1.0	28.2%	16.9%
(10)	20	5	3.5	0.75	5	14.1	0.0	5.9	29.6%	100.0%
(11)	20	5	3.5	0.90	5	14.6	0.1	5.3	27.0%	98.5%
(12)	20	5	3.5	1.00	5	15.1	0.4	4.5	24.7%	91.5%
(13)	20	7	4.9	0.75	0	11.7	3.7	4.6	41.6%	55.3%
(14)	20	7	4.9	0.90	0	12.4	3.9	3.8	38.1%	49.3%
(15)	20	7	4.9	1.00	0	13.3	4.5	2.2	33.7%	32.5%
(16)	20	3.5	2.45	0.75	3.5	13.0	1.1	5.9	35.1%	83.7%
(17)	20	3.5	2.45	0.90	3.5	13.4	1.3	5.4	33.3%	80.6%
(18)	20	3.5	2.45	1.00	3.5	13.6	1.5	4.9	31.8%	76.7%

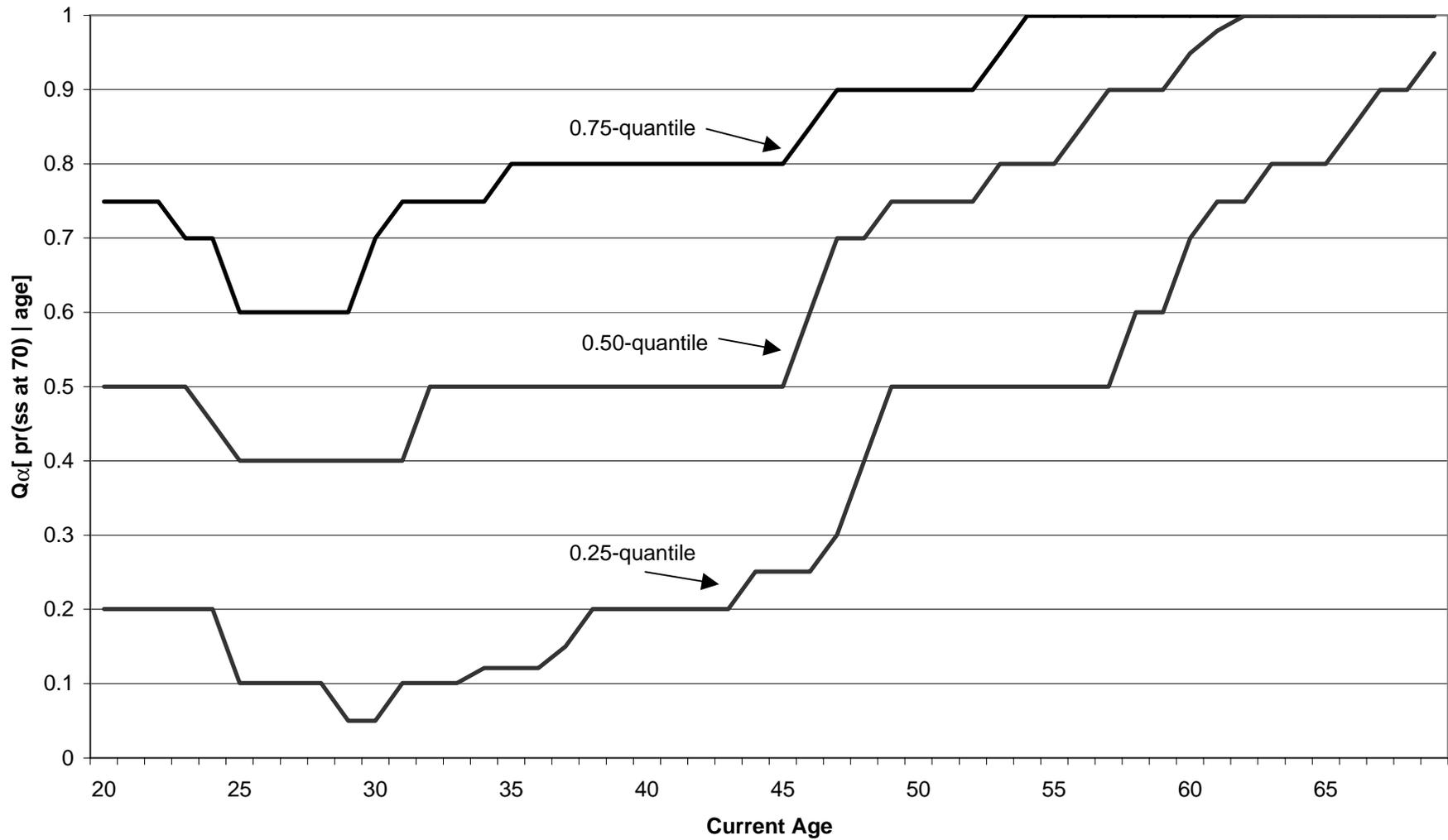
\* Other model parameters are fixed across specifications and described in text.

**Figure 1. Nonresponse Probability for Social Security Expectations Questions, Conditional on Age**



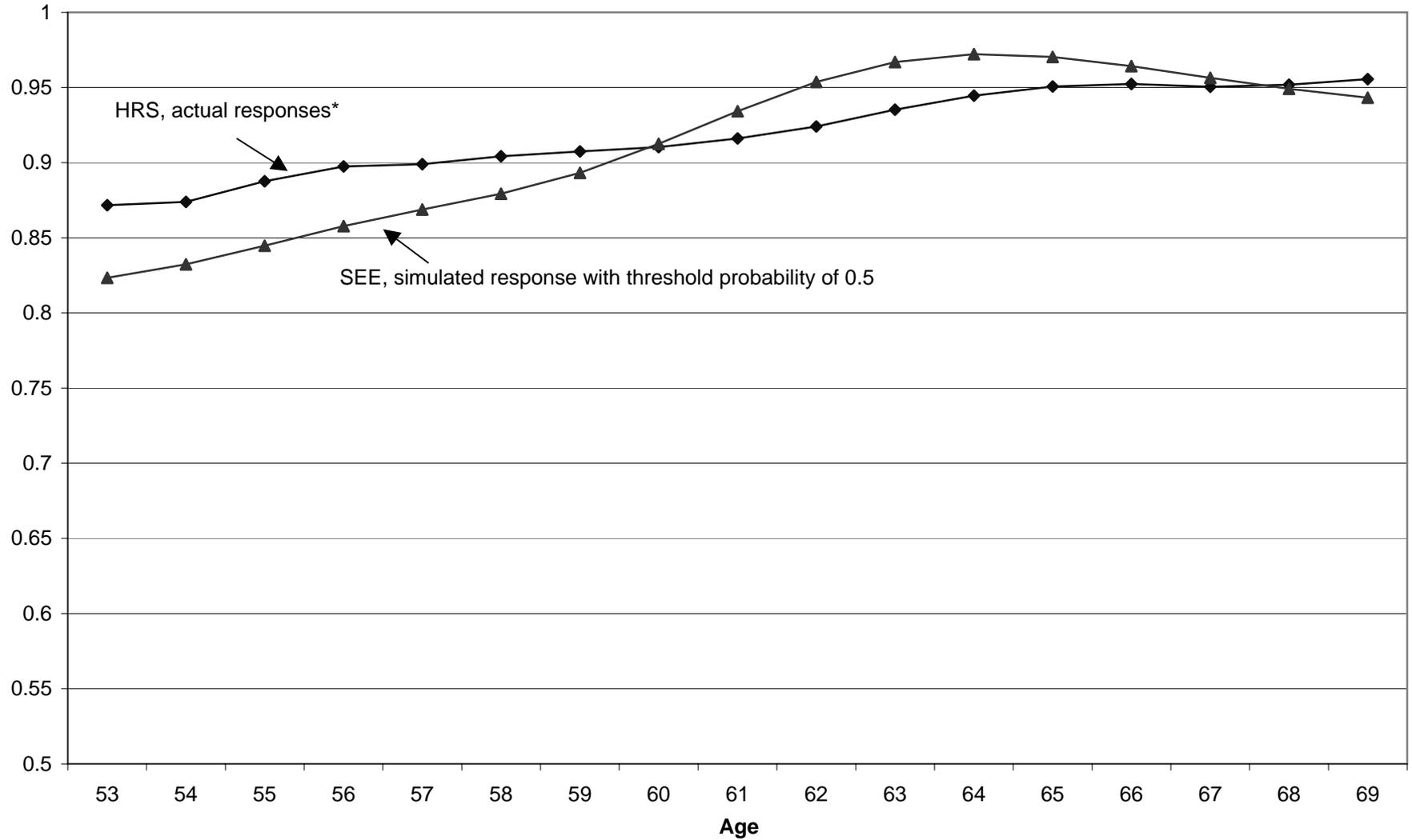
Conditional expectations estimated using gaussian kernel with bandwidth of two years (935 observations).

**Figure 2. Quantiles of Probability of Receiving Social Security Benefits at Age 70, Conditional on Current Age**



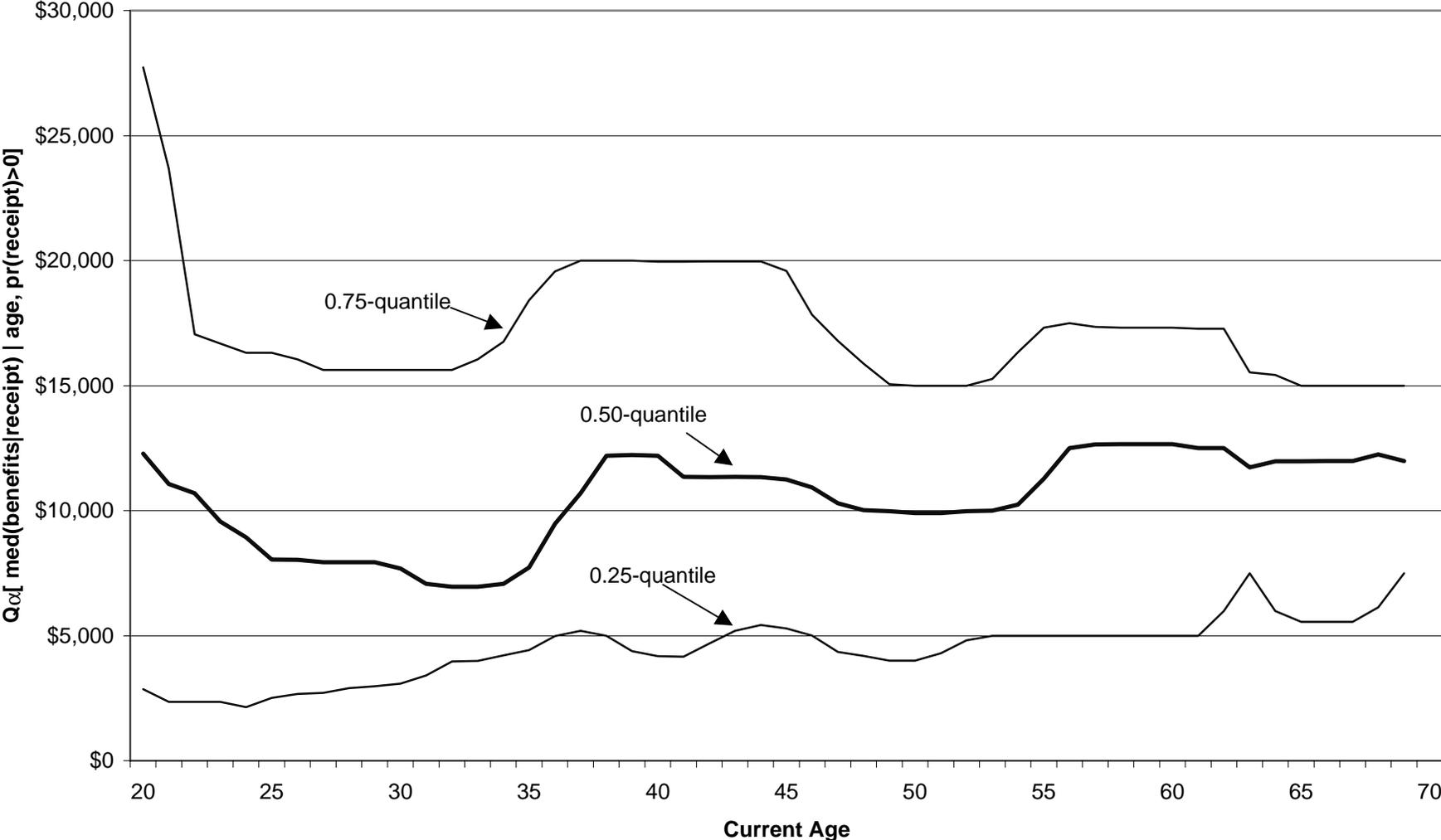
Conditional quantiles estimated using gaussian kernel with bandwidth of two years (1377 observations).

**Figure 3. Probability of "Yes" Response to Dichotomous Social Security Eligibility Question:  
Health and Retirement Study (HRS) and Survey of Economic Expectations (SEE)**



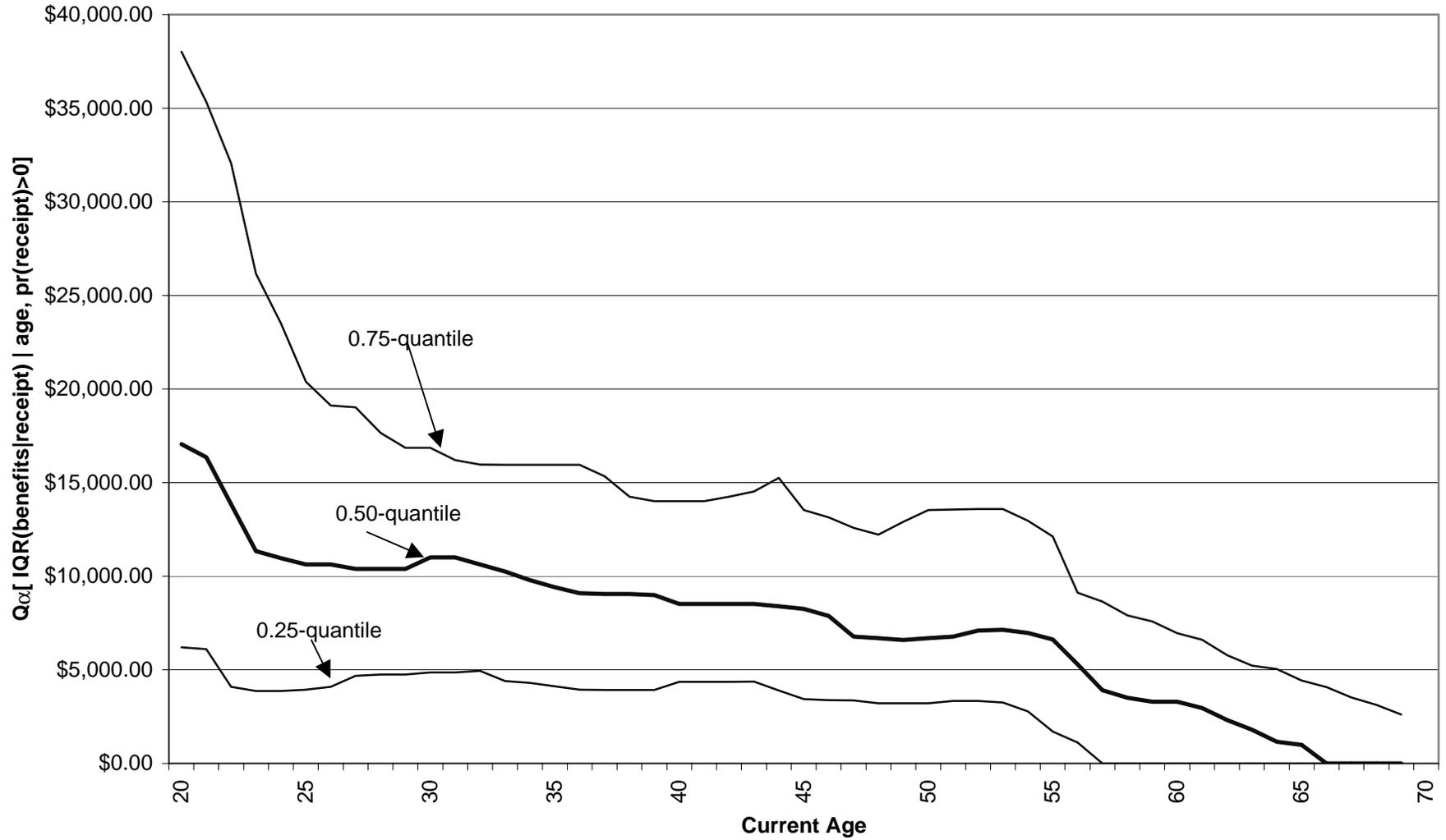
\* HRS: "Financially-knowledgeable" respondents who report "yes," "no," or "don't know." If currently receives benefits, "yes" is imputed.

**Figure 4. Quantiles of Subjective Median of Benefits at Age 70,  
Conditional on Current Age**



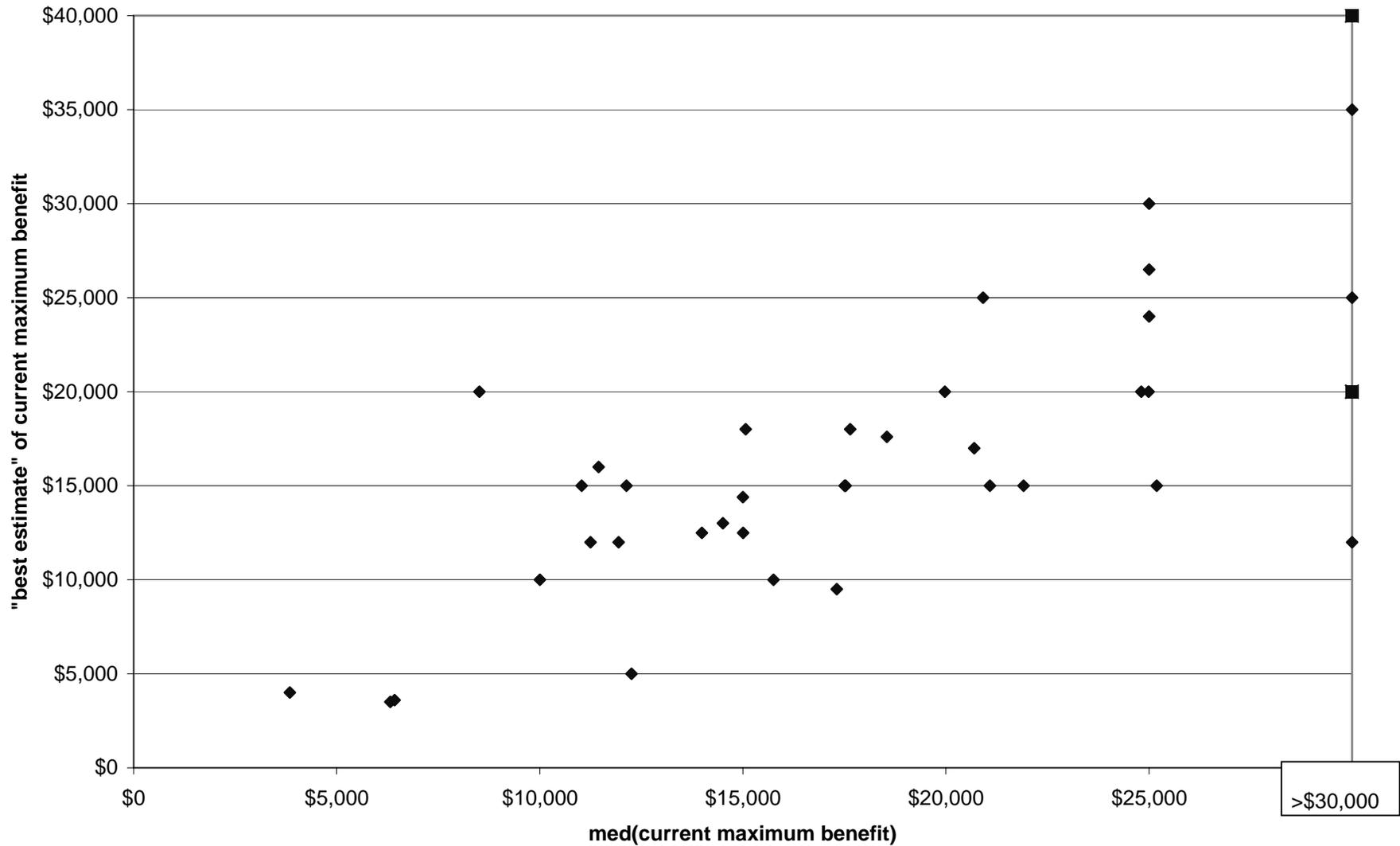
Conditional quantiles estimated using gaussian kernel with bandwidth of two years (790 observations)

**Figure 5. Quantiles of Subjective IQR of Benefits at Age 70,  
Conditional on Current Age**



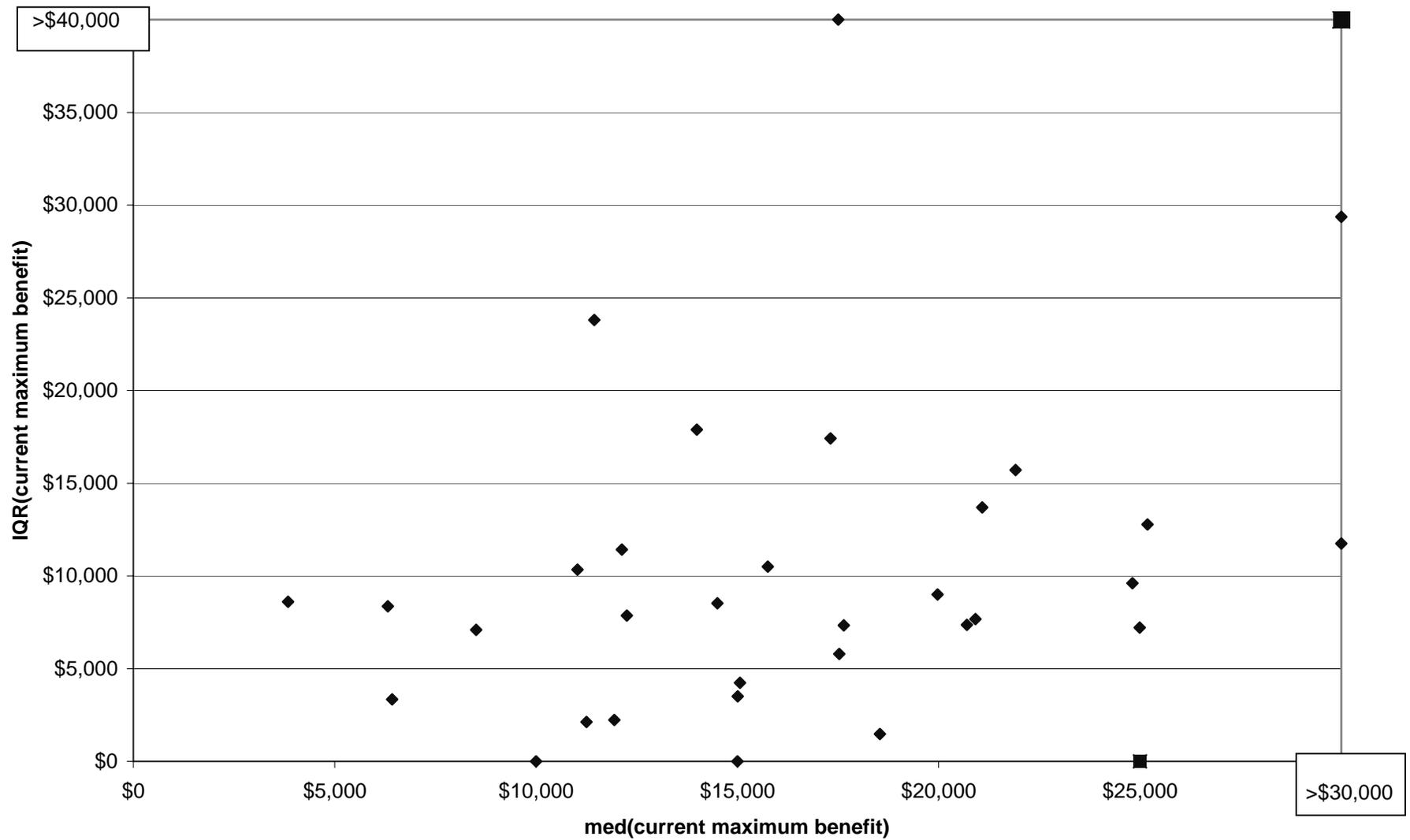
Conditional quantiles estimated using gaussian kernel with bandwidth of two years (790 observations).

**Figure 6. Expectations of Current Benefits: Subjective Median and "Best Estimate"**



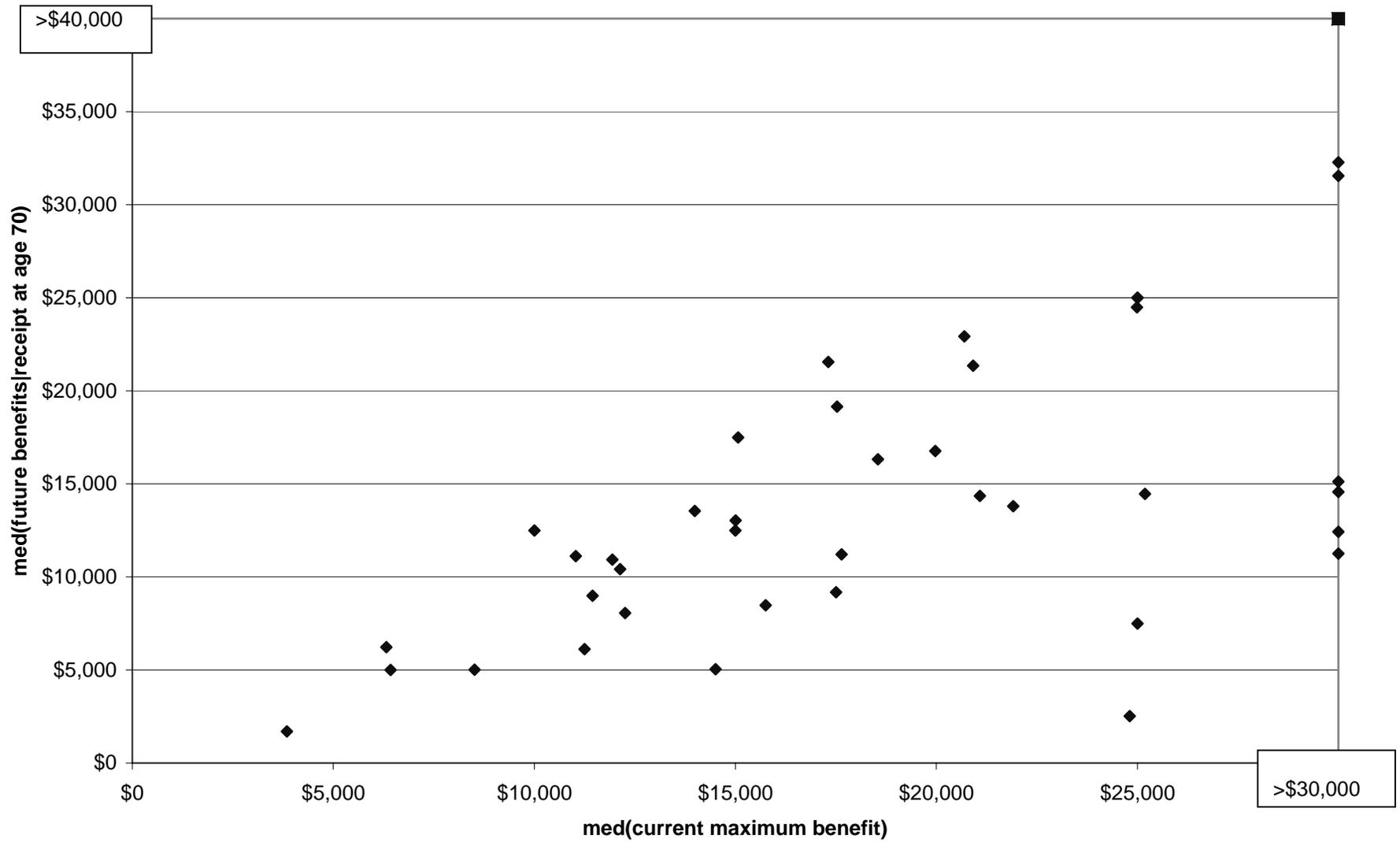
Source: 43 respondents to face-to-face interviews.

**Figure 7. Expectations of Current Benefits: Subjective Median and Subjective IQR**



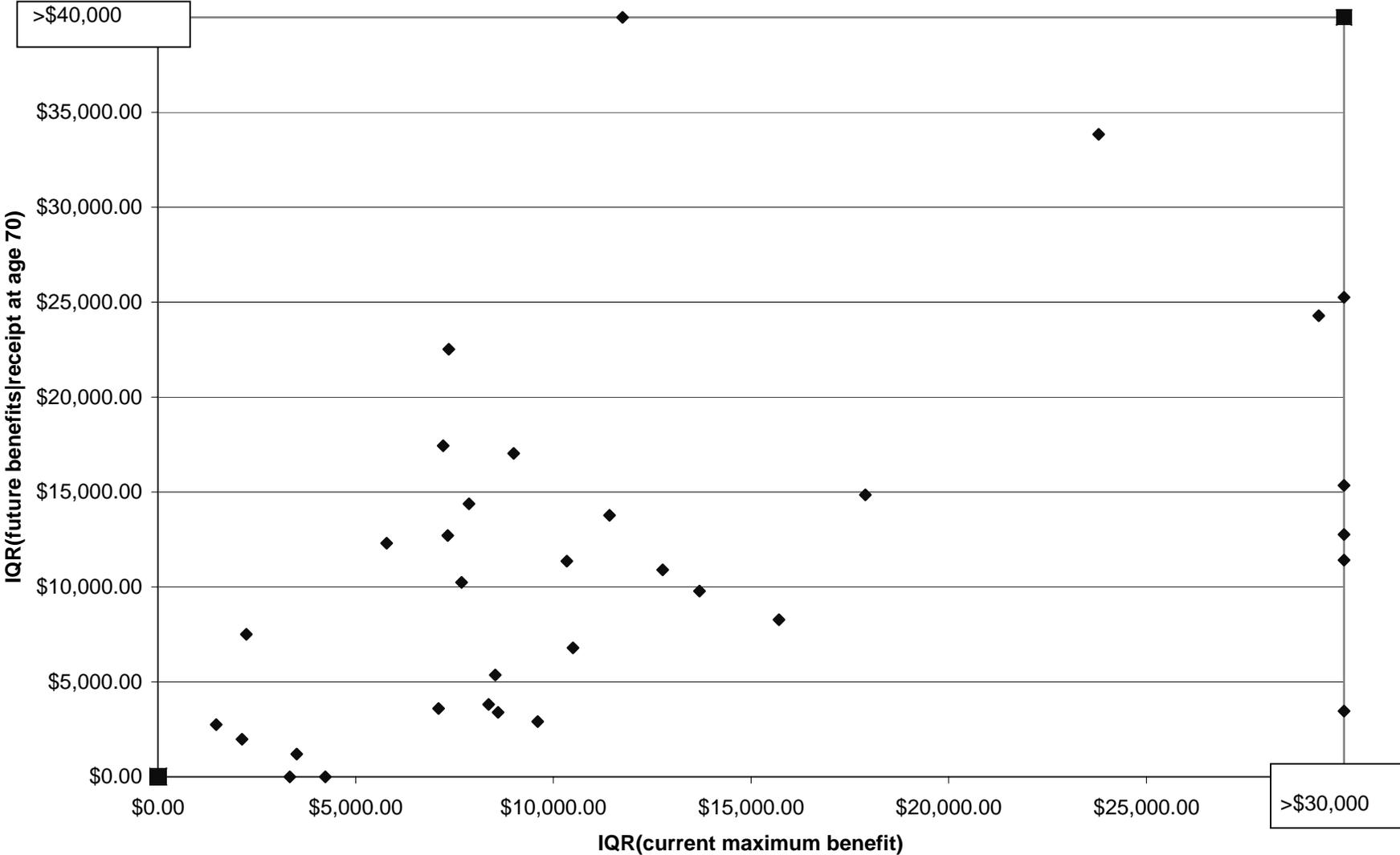
Source: 43 respondents to face-to-face-interviews.

Figure 8. Expectations of Current and Prospective Benefits: Subjective Medians



Source: 43 respondents to face-to-face interviews.

**Figure 9. Expectations of Current and Prospective Benefits: Subjective IQRs**



Source: 43 respondents to face-to-face interviews.

J50b1. In what year did your [husband/wife/partner] start to receive Social Security benefits?

	DK	RF	
YEAR BEFORE 1996	YEAR 1996 OR LATER		
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> <p><b>GO TO J51 BRANCHPOINT</b></p> </div>			

[IWER: IF 1996, 1997, OR 1998, ASK:]  
(What month was that?)

J50b2. MONTH:

01. JAN	02. FEB	03. MAR	04. APR	05. MAY
06. JUN	07. JUL	08. AUG	09. SEP	10. OCT
11. NOV	12. DEC	98. DK	99. RF	

J51 BRANCHPOINT: IF R IS GETTING SOCIAL SECURITY BENEFITS NOW (J46={1 or 3}), GO TO J55

J51. Do you expect to receive Social Security benefits at some time in the future?

1. YES	5. NO	8. DK	9. RF
	<p><b>GO TO J55 BRANCHPOINT</b></p>		

J52. At what age do you expect to start collecting these benefits?

	DK	RF	
AGE			

J53. If you start collecting Social Security benefits then, about how much do you expect the payments to be in today's dollars?

\_\_\_\_\_

AMOUNT

DK	RF
GO TO J55 BRANCHPOINT	

J53p. PER:

2. WEEK	3. EVERY TWO WEEKS/BI-WEEKLY	4. MONTH	5. LUMP SUM
6. YEAR	7. OTHER (SPECIFY) _____	8. DK	9. RF

J55 BRANCHPOINT: IF R's SPOUSE/PARTNER RECEIVES SOCIAL SECURITY BENEFITS (J46={2 or 3}) or IF R IS NOT PART OF A MARRIED/PARTNERED COUPLE, GO TO J59

J55. Does your [husband/wife/partner] expect to receive Social Security benefits at some time in the future?

1. YES	5. NO	8. DK	9. RF
GO TO J59			

J56. At what age does [she/he] expect to start collecting these benefits?

\_\_\_\_\_

AGE

DK	RF
----	----

J57. If [she/he] starts collecting Social Security benefits then, about how much do you expect the payments to be in today's dollars?

_____	DK	RF
AMOUNT		
GO TO J59		

J57p. PER:

2. WEEK	3. EVERY TWO WEEKS/BI-WEEKLY	4. MONTH	5. LUMP SUM
6. YEAR	7. OTHER (SPECIFY) _____	8. DK	9. RF

J59. Did you (or your [husband/wife/partner]) receive any income last month from Supplemental Security Income, also called SSI?

DEFINITION: SSI IS A PROGRAM ADMINISTERED BY THE SOCIAL SECURITY ADMINISTRATION WHICH MAKES ASSISTANCE PAYMENTS TO LOW INCOME, BLIND, DISABLED, AND AGED PERSONS. A PERSON MAY BE RECEIVING EITHER OR BOTH SSI AND SOCIAL SECURITY CHECKS.

1. YES	5. NO	8. DK	9. RF
GO TO J64			

J60 BRANCHPOINT: IF R IS NOT PART OF A MARRIED/PARTNERED COUPLE, ASSIGN 1 FOR J60 AND GO TO J61

J60. Which one of you received income from SSI?

1. RESPONDENT ONLY	2. SPOUSE/PARTNER ONLY	3. BOTH	8. DK	9. RF
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Table 1.B3.—OASDI benefits: Number and average monthly benefit in current-payment status for adult beneficiaries, by type of benefit, sex, and age, March 2001

Type of benefit and sex	Number of beneficiaries (in thousands)				Average monthly benefit			
	Total	Under 62	62-64	65 or older	Total	Under 62	62-64	65 or older
Total <sup>1</sup> .....	42,448	5,665	4,043	32,740	\$797.54	\$718.82	\$752.98	\$816.67
Retired workers.....	28,628	...	2,620	26,008	846.48	...	776.61	853.51
Disabled workers.....	5,083	4,401	683	...	787.37	776.30	858.75	...
Wives and husbands of retired workers.....	2,782	48	312	2,423	429.59	322.15	402.91	435.13
Wives and husbands of disabled workers.....	161	109	29	23	197.84	162.83	268.41	275.19
Nondisabled widows and widowers.....	4,668	131	318	4,219	812.57	768.31	776.14	816.69
Disabled widows and widowers.....	202	145	56	...	520.12	521.13	517.51	...
Mothers and fathers.....	189	183	5	1	587.91	586.28	643.35	589.43
Disabled adult children.....	731	647	19	64	519.63	522.99	533.26	481.38
Men <sup>1</sup> .....	18,198	2,857	1,795	13,546	930.14	816.69	939.08	952.89
Retired workers.....	14,839	...	1,374	13,465	953.26	...	925.01	956.14
Disabled workers.....	2,871	2,473	399	...	883.60	863.36	1,009.09	...
Husbands of retired workers.....	33	(2)	1	31	242.90	(2)	216.38	243.93
Husbands of disabled workers.....	4	2	(2)	1	155.94	125.36	(2)	195.95
Nondisabled widowers.....	37	7	10	20	610.83	574.72	668.21	595.19
Disabled widowers.....	5	4	1	...	363.09	365.82	352.26	...
Fathers.....	9	9	(2)	(2)	495.84	495.75	(2)	(2)
Disabled adult children.....	400	362	10	28	517.32	520.00	526.92	478.95
Women <sup>1</sup> .....	24,251	2,808	2,248	19,195	698.04	619.24	604.37	720.53
Retired workers.....	13,790	...	1,246	12,544	731.57	...	612.99	743.35
Disabled workers.....	2,212	1,928	284	...	662.48	664.65	647.73	...
Wives of retired workers.....	2,749	48	310	2,391	431.81	322.28	403.61	437.64
Wives of disabled workers.....	157	107	29	21	198.91	163.55	270.16	280.75
Nondisabled widows.....	4,632	124	308	4,199	814.18	779.43	779.61	817.74
Disabled widows.....	197	141	55	...	524.32	525.75	520.67	...
Mothers.....	180	174	5	1	592.57	590.96	645.71	592.74
Disabled adult children.....	331	285	10	36	522.41	526.78	539.60	483.25

<sup>1</sup> Includes parents and special age-72 beneficiaries. Excludes 97,768 student beneficiaries aged 18-19.

<sup>2</sup> Fewer than 500 beneficiaries.