Revisions to the SCF Weighting Methodology: Accounting for Race/Ethnicity and Homeownership

Arthur B. Kennickell Senior Economist and Project Director Survey of Consumer Finances Mail Stop 153 Federal Reserve Board Washington, DC 20551 Phone: (202) 452-2247 Fax: (202) 452-5295 Email: Arthur.Kennickell@frb.gov SCF on the Internet: http://www.federalreserve.gov/pubs/oss/oss2/scfindex.html

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This paper discusses revisions to the weights for the Survey of Consumer Finances (SCF) to account for systematic deviations from home ownership rates estimated from the Current Population Survey (CPS). Under the weighting methodology presented by Kennickell and Woodburn [1998]—hereafter, "KW"—the implied overall homeownership rate in the SCF is, by construction, very close to that in the CPS.¹ At one stage of the weigh raking, the SCF estimates of homeownership are aligned with those estimated for a comparable population using the CPS. Without this adjustment, overall homeownership would be understated in the SCF. However, even with the adjustment, there is no guarantee that homeownership rates would be about the same for subgroups in the two surveys.

Preliminary results from the 1998 SCF using the KW weights indicated that the homeownership rate for non-Hispanic whites—about 77 percent of households in the 1998 SCF—was only slightly above the level estimated in the CPS for the group. However, the data together with the adjusted weights also showed a substantial decline in home ownership rates since 1995 for Hispanics, and for African-Americans and other nonwhites; this change is at odds with the patterns observed in the CPS as well as indications from other sources. A detailed examination of the historical series of SCF data (table 1) revealed that the mismatch of ownership rates by racial/ethnic groups is pervasive across the recent years of the survey, though the direction of the differences is not consistent over time.² Because of the importance of

¹Kennickell, Arthur B. and Woodburn, R. Louise (1999) "Consistent Weight Design for the 1989, 1992, and 1995 SCFs, and the Distribution of Wealth," *Review of Income and Wealth* (Series 45, number 2), June 1999, pp. 193-215.

²The weights of observations for which ethnicity was missing in the CPS were allocated proportionately to the other groups shown in the table.

	1989		1992		1995		1998	
	SCF	CPS	SCF	CPS	SCF	CPS	SCF	CPS
Non-Hispanic white	70.8	69.2	69.0	69.5	69.4	70.8	73.1	72.3
African-American	41.1	42.0	49.2	42.5	46.8	42.2	40.6	46.5
Hispanic	40.8	41.8	42.8	40.1	44.4	42.4	43.9	45.2
Other	55.0	50.6	57.1	52.1	59.9	50.5	49.9	53.6

Table 1: Homeownership Rates Computed Using SCF and KW Weights, and CPS with Sample Adjustment; 1989, 1992, 1995, and 1998; Percent.

racial/ethnic distinctions in many analyses of financial behavior and the great importance of homeownership in determining financial well being, some revision of the weights was needed for reliable estimates of the position of minorities over time. At the same time, it was important to remain close to the structure developed by KW, which incorporates the results of much earlier research on weighting and nonresponse.

The first section of this paper outlines the differences in the CPS measures of home ownership in the CPS for the years 1989, 1992, 1995, and 1998 and those implied by the KW methodology. The following section discusses the implementation of a change in the weights to match more accurately the CPS and SCF ownership measures. A final section discusses some of the other implications of the revision. An appendix provides tables on the precise nature of the weight adjustments under the KW methodology and the revised methodology.

I. Differences Between the CPS and the SCF Measurements

The definition of the sample elements in the CPS and the SCF differ somewhat. The CPS samples households, and it provides information organized by families and individuals within those households. The SCF obtains most of it information about the "primary economic unit," which is defined roughly as a the family (including single individuals) that is economically dominant within a household. By exploiting the detailed CPS information on household structure, it is possible to construct a population in the CPS that is quite similar to the SCF population. That group of units is used to estimate control totals for the KW weighting adjustment, and the same construct is used in the comparisons given here.

In the CPS, racial/ethnic information is asked for all household members, but in the SCF, such information is only obtained for the actual respondent. In comparisons between the two surveys, the race/ethnicity of a selected CPS individual known euphemistically as the "head" in the SCF data, is compared against the race/ethnicity of the SCF respondent.³

The questions underlying the CPS and SCF home ownership measures (figures 1 and 2) are not identical, but it seems very

Figure 1: CPS Question Sequence Underlying Homeownership Classification.

Are your living quarters: Owned or being bought by you or someone in hour household? Rented for cash? Occupied without payment of cash rent?

³The SCF "head" is defined as follows: In a single-person household, the head is that individual. In more complex households, the head is defined in terms of the individual or couple that forms the core of the primary economic unit. When it is a single individual, that person is considered the head. In couples, the head is taken to be the male in a mixed-sex couple, or the older individual in the case of a same-sex couple. This nomenclature is adopted solely for purposes of consistent comparison of the data over time, and it implies absolutely no judgement about the actual structure and functioning of the actual survey households.

Figure 2: SCF Question Sequence Underlying Homeownership Classification

INTERVIEWER CHECKPOINT: WHERE DOES R LIVE? R LIVES ON A FARM/RANCH -> GO TO Question A R LIVES IN A MOBILE HOME/RV --> GO TO Question C ALL OTHER TYPES OF HOUSING --> GO TO Question D Question A: Do you (or anyone in your family living) here operate a farming or ranching business on this property? YES -> GO TO Question B NO ---> GO TO Question D Question B: What is the legal ownership status of this (farm/ranch)? Do you (or your family living here) own this (farm/ranch), do you own part of it, do you rent it, is it all owned by a business, or what? Owns all Owns only part Sharecropper Rents/Leases all Owned by a business Other Question C: Do you (or your family living here) own both this mobile home and site or lot, do you own only the mobile home, do you own only the site, do you rent both the home and site, or what? Own both home and site Own only site Own only home Rent both Neither own nor rent Question D: Do you (and your family living here) own this (ranch/farm/house and lot/apartment), do you pay rent, do you own it as a part of a condo, co-op, townhouse association, or what? Owns or is buying/land contract Pays rent Condo Co-op Townhouse Association Retirement lifetime tenancy Neither owns nor rents A "homeowner" is defined as a respondent who answered "Owns all" or "Owns only part" to Question B; "Owns both home and site," "Owns only site," or "Owns only home" to Question C; or "Owns or is buying/land contract," "Condo," "Coop," "Townhouse association," or "Retirement lifetime tenancy" to Question D.

unlikely that the results of the two approaches would be very different. The CPS question is a fairly simple one, and it is used for people living in all housing situations covered by the survey. In the SCF, respondents are asked slighly different questions depending on whether they live on farms or ranches, in mobile homes, or some other type of housing. This division also allows

more directly appropriate wording for people with such different housing arrangements. In each of the ultimate ownership questions, there is a "neither owns nor rents" option, which is further specified in a verbatim transcription of the respondent's description of their housing arrangements. These remarks are reviewed intensively, and any remarks indicating that the respondent owns any part of the property triggers an edit to make them at least a part-owner of the residence.

There are also differences between the SCF and the CPS in the questions used to determine race/ethnicity. Figures 3 and 4 provide the underlying question wording in the CPS and the SCF respectively. In the CPS, there is a two-step sequence that asks first about racial identification and then about ethnic background. In the SCF, there is a single question that asks people to choose from a number of categories which include a category labeled "Hispanic." In the 1989, 1992, and 1995 SCFs, a single response was recorded, and in 1998 the question was reworked to accommodate multiple responses.⁴ Because the CPS ethnicity question is asked

⁴Only 56 respondents out of 4390 provided more than a single response in 1998. The most common combination was white and American Indian or Alaskan Native (21 respondents), followed black and American Indian or Alaskan Native (7 respondents) and by white and Hispanic (6 respondents).

Figure 3: Question Sequences Underlying CPS Racial/Ethnic Classification.

What is the race of each person in this household? RESPONDENTS ARE SHOWN A CARD CONTAINING THE FOLLOWING GROUPS: White; black; American Indian, Aleut, Eskimo; Asian or Pacific Islander; Other.

What is the origin or descent of each person in this household? RESPONDENTS ARE SHOWN A CARD CONTAINING THE FOLLOWING GROUPS: German, Italian, Irish, French, Polish, Russian, English, Scottish, Welsh, Mexican American, Chicano, Mexican, Puerto Rican, Cuban,

Central or South American. Other Spanish, Afro-American (Black, Negro), another group, don't know.

	1989		1992		1995		1998		
	SCF	CPS	SCF	CPS	SCF	CPS	SCF	CPS	
Non-Hispanic white	74.6	78.5	75.2	77.6	77.7	77.4	77.3	75.0	
African-American	12.9	11.2	12.7	11.4	12.8	11.6	12.1	11.9	
Hispanic	8.0	7.7	7.5	8.1	5.7	8.2	7.4	9.4	
Other	4.6	2.6	4.6	2.9	3.9	2.8	3.2	3.6	

 Table 2: Percent Distribution of Racial and Ethnic Identification Computed Using SCF

 with KW Weights, and CPS with Sample Adjustment; 1989, 1992, 1995, and 1998.

directly, even people who do not necessarily identify as "Hispanic" may well report an ethnic origin that is included in typical constructions of the Hispanic category. As shown in table 2, the SCF Hispanic category is smaller than the CPS category except in 1989.⁵ Another notable difference between the two sets of estimates is the much larger fraction of "other" types in the 1989 and 1992 SCFs. This category includes a number of specific types (e.g., Asian, American Indian, etc.), as well as a general "other" types. The main driver of the difference is the SCF estimates of the proportion of households in the Asian and American Indian categories.

Aside from definitional differences and reporting errors, there are other possible explanations of the differences in homeownership rates in the CPS and the SCF. Interviewer and

⁵Note that the area-probability frame did not change between the 1989 and 1992 surveys, which were both based on a joint NORC-SRC design based on the 1980 Census. The 1995 and 1998 SCFs were selected from a frame based on the 1990 Census.

respondent behavior may be affected by the types of questions that are asked in a survey overall, and this behavior may lead to differential nonresponse rates. Compared with the CPS, the SCF covers subjects that are normally considered "sensitive." Moreover, respondents who are relatively wealthy are generally more likely to be asked more such questions than relatively poorer households. Although the wealthier respondents do not know exactly what they might be asked in a prospective interview, they do know the complexity of their own situation, and they are given a general description of the complexity of the survey. Thus, it is reasonable to suppose that the relatively wealthy respondents would be less likely to participate. The fact that interviewers quickly recognize this nonresponse tendency compounds the problem: Because interviewers are evaluated on the basis of completed cases, they have relatively less incentive to pursue relatively difficult cases. Because homeownership is more common among relatively wealthy households, the SCF should tend to obtain proportionally fewer homeowners than the CPS—as is indeed the case. However, this line of reasoning does not help to explain differential behavior across racial/ethnic groups, and many obvious explanation for differences—for example, interviewers' perceptions of the "safety" of neighborhoods-have little power to explain varying directions of differences over time. It is possible that variations in the economic cycle explain something about the relative availability of different types of respondents across the surveys, though it would only be through interaction with some other aspect of the SCF that these variations could generate differences between the SCF and CPS estimates of the homeowership rate by racial/ethnic groups. Finally, it could be that the SCF samples, which are small relative to the CPS samples, misrepresented the joint distribution of homeownership and race/ethnicity, either because of random variation in the selection of neighborhoods, or because

of structural changes that may have occurred since the sample frame was constructed using the 1990 Census data.

There is some limited information that potentially bears on the deviation of the SCF homeownership estimates by racial/ethnic groups from those of the CPS. For each SCF sample household, the interviewers are required to fill out a description of the neighborhood, including an assessment of the racial composition of the area. Using the census tract identifier for the neighborhoods, information on homeownership rates within census tracts was merged with the full SCF area-probability sample. Restricting attention to only to the subsample of 1998 areaprobability sample neighborhoods that interviewers were able to identify as largely or partially African-American, it appears that the distribution of the rate of homeownership is very similar at and above the median for both the respondents and the nonrespondents. Below the median, it appears that the nonrespondents live in neighborhoods with higher rates of homeownership. However, if the subsample is extended to include predominantly Hispanic neighborhoods (recall that homeownership was understated for both groups in 1998 with the KW weights), the distributions for respondents and nonrespondents are very little different above or below the median. Serious missing data problems cloud similar comparison using the 1995 survey, and comparable data are not available for earlier years.

II. SCF Weight Revision

The mismatch between the CPS and SCF estimates of homeownership is likely to have strong implications for estimates of the financial characteristics of different racial/ethnic groups because of the strong effect of housing on wealth estimates for most families. Given the importance of reliable estimates for minorities, the need for a weight revision to move the two

surveys into greater alignment seems pressing. However, at the same time, there is a reasonable amount of uncertainty about whether the two surveys measure precisely the same populations within the racial/ethnic groups. To hedge across these two sources of difference, it was decided to adjust the *proportions* of homeowners in SCF racial/ethnic groups to the proportions in the CPS, rather than adjusting the *number* of households directly. Thus, the number of minorities is independently estimated by the SCF, but the homeownership rates are largely set by the CPS.

The implementation of this change involves only a small alteration in the KW weighting design. Their approach involves independently adjusting the selection weights of cases in the area-probability and list samples, and then combining the two samples using a post-stratification technique based on gross assets. The change introduced with this paper affects only the construction of the area-probability sample weights. The original KW approach follows two steps. First, the selection weights are ratio adjusted to sum to the PSU population totals estimated from the original frame with some adjustments for ineligible units and new construction. Second, output of the first stage is raked through three iterations to control totals for current-year regional population totals, fine age categories, and coarser age categories crossed with homeownership. The change introduced here occurs at the end of the first iteration of the raking. At that point, the homeownership rates for the groups of households who are by the SCF definition non-Hispanic white, black, Hispanic, and other groups are adjusted to CPS rates for groups defined as comparably as possible in the CPS.⁶ Then the remaining two raking iterations proceed as before without any additional changes.

⁶If a CPS household is of a particular race and of Hispanic origin, the household is treated as Hispanic for purposes of this calculation.

III. Implications of the Revised Weights

Because the weighted SCF homeownership rates by race/ethnicity are not forced to be exactly the same as in the CPS, they retain some independence of estimation. Nonetheless, they differ very little either within periods or in their movements across periods (table 3).

Table 3: Homeownership Rates Computed Using SCF and Revised KW Weights, and CPS with Sample Adjustment; 1989, 1992, 1995, and 1998; Percent.

	1989		1992		1995		1998	
	SCF	CPS	SCF	CPS	SCF	CPS	SCF	CPS
Non-Hispanic white	70.3	69.3	70.1	69.5	70.5	70.9	71.7	72.3
African-American	42.0	41.9	43.1	42.5	42.6	42.2	45.9	46.6
Hispanic	44.9	45.6	44.9	44.7	43.6	43.3	45.8	47.2
Other	53.6	50.6	54.2	52.0	51.7	50.5	54.0	53.5

As noted earlier, a key motivation for revising the weights was to have more meaningful estimates of financial characteristics of households by racial/ethnic groups. One important such indicator is net worth. Table 4 provides estimates of a measure of median net worth by racial/ethnic groups for each of the survey years under the original KW weighting design and the revision presented here. As expected, there is very little difference in the wealth of non-Hispanic whites across the two weights in any of the years. For the other groups, some of the changes are substantial, and in every case, they mirror the change in the homeownership rate between the pairs of weights.

	1989		1992		1995		1998	
	KW	KW-R	KW	KW-R	KW	KW-R	KW	KW-R
Non-Hispanic white	71.0	69.7	66.2	67.8	72.4	73.5	94.9	94.0
African-American	2.8	3.0	13.6	9.8	12.8	8.9	11.2	14.8
Hispanic	4.0	6.0	7.7	8.5	11.5	11.5	9.1	9.9
Other	36.6	35.0	38.5	36.7	41.5	30.8	33.1	38.8

Table 4: Median Net Worth Computed Using KW and Revised KW Weights; 1989, 1992, 1995, and 1998 SCFs; Thousands of Dollars.

IV. Future Research

Given the advances in computerized data capture, it is now possible to monitor the reported characteristics of survey respondents with only a short lag. By at least watching the trends of survey estimates of key variables (such as homeownership) over the field period, it may be possible to gain a greater insight into the origins of the divergences between SCF estimates and reliable external estimates. The application of effort in the field is almost certainly not uniform. Because interviewers cannot be monitored completely, it is likely that the incentive structure they face is a key determinant of the level of effort applied to the set of available cases.

Quotas are a crude tool for controlling effort, but they can make a large difference in dimensions where it is known that selection issues are important—for example, without the use of quotas for the SCF list sample strata, it is very unlikely that there would be any significant number of wealthy observations interviewed. More generally, it may also be that it would be better, at least in terms of estimation variance, to achieve a balance in the set of respondents than to deal with misrepresentation after the fact through post-stratification or other weight

adjustments. However, there has traditionally been resistance to quotas among samplers.⁷ There may also be a "treatment effect" in devoting additional effort to obtaining greater sample balance, but the differentials of effort already applied to the sample—e.g., the use of "refusal convertors" for some cases—means there may be already an unacknowledged treatment effect. Improved measurement along with targeted experiments are important for making progress in this area.

⁷See Seymour Sudman, (1966) "Probability Sampling With Quotas," Journal of the American Statistical Association, v.61 (315), September, pp. 749-771 for an insightful discussion of the use of quotas as a cost- and time-saving measure in a probability sample.

APPENDIX

Weight Adjustment Factors Under the Original and Revised KW Weight Design

The tables in this appendix report the adjustments at all stages for both the original KW

weights (X42000) and the revised KW weights (X42001). The adjustments are given only for

the first implicate of the multiply-imputed data. Results for the other implicates are either

identical or very similar. In cases where the revision does not apply to a given adjustment, there

is only one version of a table; in all other cases, the "a" table refers to the original KW weights,

and the "b" table refers to the revised KW weights. The following outlines the major steps in the

weight calculation (see KW for more details):

- Ratio adjust area-probability selection weights to PSU totals and adjust for overall population growth (table A1).
- Rake adjusted area-probability weights to regional, age, and age/tenure totals (table A2a). In the case of the revised weights, add an additional post-stratification to race/ethnicity tenure rates (table A2b).
- Reassign list sample wealth outliers by strata to neighboring strata (table A3).
- Post-stratify list selection weights to stratum totals and region totals (tables A4 and A5) and adjust for overall population growth.
- Rake adjusted list weights to totals by stratum, financial income post-stratum, and region crossed with an indicator for self-representing status of the PSU (table A6).
- Combine the adjusted area-probability and list weights by gross assets post-strata (table A7a and A7b).
- Post-stratify combined weights to gross asset post-strata totals (table A8s and A8b).
- Trim extreme outlying combined weights and readjust totals (table A9a and A9b).
- Post-stratify weights in gross assets post-strata 1 and 2 to age totals (table A10a and A10b).
- Rake weights in gross assets post-strata 1 and 2 to totals for age crossed with tenure, and to totals by region (table A11a and A11b).
- Post-stratify weights in gross assets post-strata 1 and 2 to age totals (table A12a and A12b).

Tables A13 and A14 provide information on the replicate samples selected for use in

computing weights to estimate sampling variance.

Table A1: Area-Probability Response Rates, by Type of PSU; 1992, 1995 and 1998 SCF; Percent.

	1992	1995	1998
Northeast region	65.4	60.1	62.4
Northcentral region	68.5	70.9	67.4
Southern region	70.3	67.2	68.3
Western region	66.4	65.3	63.8
Self-rep PSUs	61.8	58.9	62.3
Other MSAs	67.4	66.6	66.6
Non-MSAs	75.7	77.6	70.3
All PSUs	68.0	66.3	65.9

Table A2a: Second-Stage Raking Adjustments for Area-Probability Weights, 1989, 1992, 1995 and 1998 SCFs; Original KW Weights.

	Surve	y year											
	1989			1992			1995			1998			
	Rakin	g iteratio	n	Rakin	Raking iteration			Raking iteration			Raking iteration		
	1	2	3	1	2	3	1	2	3	1	2	3	
Regional adjustments													
Northeast	1.00	1.01	1.00	1.07	0.99	1.00	1.05	0.98	1.00	0.97	0.99	1.00	
Northcentral	1.00	0.99	1.00	1.20	0.99	1.00	1.05	1.00	1.00	1.08	0.98	1.00	
South	1.00	0.99	1.00	1.22	1.00	1.00	1.11	1.01	1.00	1.09	1.00	1.00	
West	1.01	1.01	1.00	1.23	1.02	1.00	1.12	1.00	1.00	1.05	1.03	1.00	
Age													
24 or younger	1.18	1.05	1.01	0.74	1.03	1.00	0.81	0.98	1.00	0.84	1.09	1.01	
25 to 34	0.99	0.99	1.00	0.99	0.99	1.00	0.88	1.00	1.00	0.91	0.98	1.00	
35 to 44	0.92	1.00	1.00	0.96	1.01	1.00	0.94	1.01	1.00	0.96	1.00	1.00	
45 to 54	1.07	1.00	1.00	1.00	0.98	1.00	0.96	0.99	1.00	1.01	0.99	1.00	
55 to 64	0.99	1.00	1.00	1.20	1.00	1.00	1.13	1.00	1.00	1.06	1.00	1.00	
65 to 69	1.02	1.00	1.00	0.93	1.00	1.00	1.25	1.00	1.00	1.21	1.01	1.00	
70 to 74	1.08	1.00	1.00	1.00	1.00	1.00	1.19	1.00	1.00	1.02	0.98	1.00	
75 or older	0.97	1.00	1.00	1.14	1.00	1.00	1.31	1.00	1.00	1.22	1.01	1.00	
Age/tenure adjustments													
Aged 34 or younger													
Homeowner	1.11	1.01	1.00	1.12	1.01	1.00	0.95	1.00	1.00	1.29	1.02	1.00	
Other tenure	0.94	0.99	1.00	0.94	1.00	1.00	1.03	1.00	1.00	0.88	1.00	1.00	
Aged 35 to 54													
Homeowner	1.00	1.00	1.00	1.07	1.00	1.00	1.04	1.00	1.00	1.05	1.00	1.00	
Other tenure	0.97	1.00	1.00	0.87	1.00	1.00	0.92	1.00	1.00	0.91	1.00	1.00	
Aged 55 or older													
Homeowner	1.01	1.00	1.00	1.01	1.00	1.00	0.99	1.00	1.00	1.10	1.00	1.00	
Other tenure	0.97	1.00	1.00	0.97	1.00	1.00	1.03	1.00	1.00	0.75	1.00	1.00	

Table A2b: Second-Stage Raking Adjustments for Area-Probability Weights, 1	i 989, 1992,
1995 and 1998 SCFs; Revised KW Weights.	

	1989			1992*			1995 *			1998		
	Rakin	g iteratio	n	Rakin	g iteratio	n	Raking	iteration		Rakin	g iteratio	n
	1	2	3	1	2	3	1	2	3	1	2	3
Regional adjustments												
Northeast	1.00	1.01	1.00	1.07	0.99	1.00	1.05	0.98	1.00	0.97	1.00	1.00
Northcentral	1.00	1.00	1.00	1.20	0.99	1.00	1.05	0.99	1.00	1.08	0.98	1.00
South	1.00	0.99	1.00	1.22	1.01	1.00	1.11	1.01	1.00	1.09	1.00	1.00
West	1.01	1.01	1.00	1.23	1.02	1.00	1.12	1.01	1.00	1.06	1.03	1.00
Age												
24 or younger	1.18	1.02	1.01	0.74	1.02	1.00	0.81	0.99	1.00	0.87	1.10	1.00
25 to 34	0.99	0.98	1.00	0.99	0.99	1.00	0.88	1.01	1.00	0.91	0.98	1.00
35 to 44	0.92	1.00	1.00	0.96	1.01	1.00	0.94	1.00	1.00	0.95	1.00	1.00
45 to 54	1.07	1.00	1.00	1.00	0.99	1.00	0.96	1.00	1.00	1.01	0.99	1.00
55 to 64	0.99	1.01	1.00	1.20	1.01	1.00	1.13	1.00	1.00	1.06	1.00	1.00
65 to 69	1.02	1.01	1.00	0.93	1.00	1.00	1.25	1.00	1.00	1.21	1.01	1.00
70 to 74	1.08	1.01	1.00	1.00	1.00	1.00	1.19	1.00	1.00	1.02	0.97	1.00
75 or older	0.97	1.01	1.00	1.14	1.00	1.00	1.31	1.00	1.00	1.22	1.01	1.00
Age/tenure adjustments												
Aged 34 or younger												
Homeowner	1.11	1.03	1.00	1.12	1.02	1.00	0.95	0.99	1.00	1.30	1.00	1.00
Other tenure	0.94	0.98	1.00	0.94	0.99	1.00	1.03	1.00	1.00	0.87	1.00	1.00
Aged 35 to 54												
Homeowner	1.00	1.01	1.00	1.07	1.01	1.00	1.04	1.00	1.00	1.05	0.99	1.00
Other tenure	0.99	0.97	1.00	0.97	0.97	1.00	0.92	1.00	1.00	0.91	1.02	1.00
Aged 55 or older												
Homeowner	1.01	1.01	1.00	1.01	1.00	1.00	0.99	1.00	1.00	1.10	1.00	1.00
Other tenure	0.97	0.97	1.00	0.97	0.99	1.00	1.03	1.02	1.00	0.75	1.01	1.00
Race-ethnicity/tenure adjs.												
Non-Hispanic white												
Homeowner	0.98	NA	NA	1.01	NA	NA	1.02	NA	NA	0.99	NA	NA
Other tenure	1.05	NA	NA	0.98	NA	NA	0.95	NA	NA	1.03	NA	NA
African-American												
Homeowner	0.99	NA	NA	0.85	NA	NA	0.91	NA	NA	1.19	NA	NA
Other tenure	1.01	NA	NA	1.15	NA	NA	1.08	NA	NA	0.88	NA	NA
Hispanic												
Homeowner	1.10	NA	NA	1.01	NA	NA	0.98	NA	NA	1.05	NA	NA
Other tenure	0.93	NA	NA	0.99	NA	NA	1.01	NA	NA	0.97	NA	NA
Other	0.75	1 12 1	1 12 1	0.77	1 12 1	1 12 1	1.01	1 12 1	1 12 1	0.77	1 12 1	1 1 1
Homeowner	0.96	NA	NA	0.93	NA	NA	0.84	NA	NA	1 14	NA	NA
110meo wilei	1.05	NIA	NIA	1.00	NIA	NIA	1.04	NT A	NT A	0.00	NTA	1 1 2 1 NT A

Table	A4: Interview	Disposition ,	by Wealth	Index Stratum	, 1989,
1992,	1995 and 1998	SCF List Sa	mples, Pero	cent	

1989 SCF	Wealth in	dex stratum						
Complete	1	2	3	4	5	6	All	
interviews Postcard	39.8	37.1	35.8	34.1	25.4	17.0	29.0	
refusals Ineligible	38.9 1.8	33.2 3.5	33.6 1.1	36.2 0.4	42.0 1.5	40.7 2.9	38.1 1.7	
Other non-interv.*	19.5	26.2	29.5	29.3	31.1	39.5	31.1	
All cases	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
1992 SCF								
	Wealth in	dex stratum	3	4	5	6	7	All
Complete		-	0	·	0	ů.		
interviews Postcard	42.6	40.8	36.7	34.4	31.3	25.8	14.3	31.0
refusals	19.2	23.5	24.6	25.8	23.5	22.4	23.6	23.4
Ineligible	0.4	1.4	2.0	0.8	0.3	0.8	0.6	0.8
non-interv.*	37.9	34.3	36.7	39.1	44.9	50.9	61.5	44.8
All cases	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1995 SCF								
1995 SCF	Wealth in	dex stratum	2				7	
1995 SCF	Wealth ine 1	dex stratum 2	3	4	5	6	7	All
1995 SCF Complete interviews Postcard	Wealth ind 1 44.3	dex stratum 2 38.7	3 35.1	4 34.7	5 30.2	6 23.7	7 12.7	All 30.1
1995 SCF Complete interviews Postcard refusals	Wealth in 1 44.3 16.2	dex stratum 2 38.7 27.1	3 35.1 25.0	4 34.7 22.8	5 30.2 21.2	6 23.7 19.7	7 12.7 15.5	All 30.1 21.2
Complete interviews Postcard refusals Ineligible	Wealth in 1 44.3 16.2 2.1	dex stratum 2 38.7 27.1 2.1	3 35.1 25.0 1.1	4 34.7 22.8 0.8	5 30.2 21.2 0.7	6 23.7 19.7 1.0	7 12.7 15.5 0.6	All 30.1 21.2 1.0
Complete interviews Postcard refusals Ineligible Other non-interv.*	Wealth inc 1 44.3 16.2 2.1 37.4	dex stratum 2 38.7 27.1 2.1 32.2	3 35.1 25.0 1.1 38.8	4 34.7 22.8 0.8 41.7	5 30.2 21.2 0.7 47.9	6 23.7 19.7 1.0 55.7	7 12.7 15.5 0.6 71.2	All 30.1 21.2 1.0 47.7
1995 SCF Complete interviews Postcard refusals Ineligible Other non-interv.*	Wealth in 1 44.3 16.2 2.1 37.4 100.0	dex stratum 2 38.7 27.1 2.1 32.2 100.0	3 35.1 25.0 1.1 38.8 100.0	4 34.7 22.8 0.8 41.7 100.0	5 30.2 21.2 0.7 47.9 100.0	6 23.7 19.7 1.0 55.7 100.0	7 12.7 15.5 0.6 71.2 100.0	All 30.1 21.2 1.0 47.7 100.0
1995 SCF Complete interviews Postcard refusals Ineligible Other non-interv.* All cases 1998 SCF	Wealth in 1 44.3 16.2 2.1 37.4 100.0	dex stratum 2 38.7 27.1 2.1 32.2 100.0	3 35.1 25.0 1.1 38.8 100.0	4 34.7 22.8 0.8 41.7 100.0	5 30.2 21.2 0.7 47.9 100.0	6 23.7 19.7 1.0 55.7 100.0	7 12.7 15.5 0.6 71.2 100.0	All 30.1 21.2 1.0 47.7 100.0
1995 SCF Complete interviews Postcard refusals Ineligible Other non-interv.* All cases 1998 SCF	Wealth in 1 44.3 16.2 2.1 37.4 100.0 Wealth in	dex stratum 2 38.7 27.1 2.1 32.2 100.0 dex stratum	3 35.1 25.0 1.1 38.8 100.0	4 34.7 22.8 0.8 41.7 100.0	5 30.2 21.2 0.7 47.9 100.0	6 23.7 19.7 1.0 55.7 100.0	7 12.7 15.5 0.6 71.2 100.0	All 30.1 21.2 1.0 47.7 100.0
1995 SCF Complete interviews Postcard refusals Ineligible Other non-interv.* All cases 1998 SCF Complete interviews	Wealth in 1 44.3 16.2 2.1 37.4 100.0 Wealth in 1 40.9	dex stratum 2 38.7 27.1 2.1 32.2 100.0 dex stratum 2 38.7	3 35.1 25.0 1.1 38.8 100.0 3 35.8	4 34.7 22.8 0.8 41.7 100.0 4 35.6	5 30.2 21.2 0.7 47.9 100.0 5 30.2	6 23.7 19.7 1.0 55.7 100.0 6 23.7	7 12.7 15.5 0.6 71.2 100.0 7 8.2	All 30.1 21.2 1.0 47.7 100.0 All 28.3
1995 SCF Complete interviews Postcard refusals Ineligible Other non-interv.* All cases 1998 SCF Complete interviews Postcard refusals Ineligible Other	Wealth in 1 44.3 16.2 2.1 37.4 100.0 Wealth in 1 40.9	dex stratum 2 38.7 27.1 2.1 32.2 100.0 dex stratum 2 38.7 19.0 1.3	3 35.1 25.0 1.1 38.8 100.0 3 35.8 15.0 1.2	4 34.7 22.8 0.8 41.7 100.0 4 35.6 16.8 0.5	5 30.2 21.2 0.7 47.9 100.0 5 30.2 16.3 0.8	6 23.7 19.7 1.0 55.7 100.0 6 23.7 11.4 0.9	7 12.7 15.5 0.6 71.2 100.0 7 8.2 7.6 0.8	All 30.1 21.2 1.0 47.7 100.0 All 28.3 13.5 0.9

* Includes cases deleted in sample review before field period, refusals, and cases that were incapacitated, censored, nonvalidating, or were unable to communicate in either English or Spanish..

Stratum	Survey y 1989 Directior	ear	1992 Direction	n of reassignment	1995 Direction	n of reassignment	1998 Direction	n of reassignment
	Lower	Higher	Lower	Higher	Lower	Higher	Lower	Higher
1	0	2	0	2	0	1	0	1
2	1	0	1	4	2	2	1	4
3	2	2	3	7	4	7	6	10
4	7	13	15	2	13	4	8	3
5	4	1	12	5	5	5	6	4
6	6	0	10	3	10	1	12	2
7	NA	NA	0	0	2	0	2	0

Table A3: Number of Observations Assigned Median Weight of Neighboring Strata, List Cases; 1989, 1992, 1995 and 1998 SCFs.

Table A5: First-stage Adjustment Factors for List Weights, 1989,1992, 1995, and 1998 SCFs

Adjustment cell	Survey year 1989 Adjustment factor	1992 Adjustment factor	1995 Adjustment factor	1998 Adjustment factor
Stratum 1	19.75	2.70	3.39	3.52
Stratum 2	4.62	2.46	3.22	3.21
Stratum 3	3.25	2.72	3.04	2.96
Stratum 4	3.06	3.53	3.16	3.45
Stratum 5	6.49	2.57	3.69	3.76
Stratum 6	22.32	3.80	3.94	3.43
Stratum 7	NA	11.76	9.88	8.02
Northeast	1.22	1.13	1.17	0.76
South	1.26	1.21	0.92	0.98
Northcentral	0.94	0.88	1.13	1.21
West	0.71	0.92	0.82	1.03

	Survey	/ year										
	1989			1992			1995			1998		
	Raking	g iteratio	n	Raking iterati		on Raking iteration			on	Raking iteration		
	1	2	3	1	2	3	1	2	3	1	2	3
WI Stratum 1	1.01	1.19	1.09	1.00	1.05	1.01	1.00	1.04	1.01	1.00	0.97	1.00
WI Stratum 2	0.95	0.71	0.81	0.99	0.90	0.97	1.00	0.89	0.96	1.02	1.10	1.02
WI Stratum 3	1.03	0.50	0.73	0.99	0.74	0.92	1.00	0.90	0.94	0.99	1.07	0.98
WI Stratum 4	1.01	0.69	0.73	1.00	0.78	0.88	1.00	0.86	0.92	1.00	1.05	0.98
WI Stratum 5	1.07	0.76	0.75	0.98	0.75	0.85	1.00	0.83	0.88	0.99	1.03	0.97
WI Stratum 6	1.00	0.72	0.91	1.00	0.69	0.79	1.00	0.89	0.88	1.03	1.08	0.97
WI Stratum 7	NA	NA	NA	1.00	0.63	0.79	0.91	0.79	0.92	1.01	1.11	0.95
FI Post-Stratum 1	0.77	0.88	0.92	0.94	0.99	0.99	0.94	0.98	0.99	1.01	1.00	1.00
FI Post-Stratum 2	1.56	1.02	1.04	0.96	0.95	0.99	1.06	1.02	1.00	0.86	0.99	1.00
FI Post-Stratum 3	1.51	1.42	1.15	1.12	1.06	1.01	1.15	1.04	1.02	1.19	1.00	1.00
FI Post-Stratum 4	0.97	1.15	1.13	1.01	0.95	1.00	1.28	1.10	1.05	0.99	0.92	0.99
FI Post-Stratum 5	1.95	1.60	1.28	2.11	1.17	1.05	1.02	1.07	1.05	1.09	1.08	1.01
FI Post-Stratum 6	2.12	1.13	1.25	1.27	1.12	1.05	1.15	1.16	1.07	1.30	1.07	1.01
FI Post-Stratum 7	0.76	1.34	1.32	1.03	1.22	1.13	1.47	1.16	1.10	1.16	1.00	1.01
FI Post-Stratum 8	1.02	1.16	1.27	1.34	1.28	1.16	1.05	1.18	1.11	0.96	1.06	1.03
FI-Post-Stratum 9	1.07	0.96	1.04	1.37	1.32	1.25	1.21	1.10	1.13	0.95	1.07	1.04
Northeast												
SR PSU	2.03	1.12	1.05	0.95	0.99	1.00	1.04	1.02	1.01	0.82	0.98	1.00
NSR PSU	0.61	1.00	1.03	0.98	1.00	1.00	0.93	0.99	1.00	1.41	1.01	1.00
Northcentral												
SR PSU	1.17	1.07	1.03	1.61	1.03	1.00	0.97	1.00	1.00	0.71	0.99	1.00
NSR PSU	0.94	0.97	0.99	0.89	1.00	1.00	1.01	1.00	1.00	1.19	1.02	1.00
South												
SR PSU	0.90	1.03	1.03	1.01	0.98	1.00	1.25	1.00	1.00	0.84	0.97	0.99
NSR PSU	0.98	0.93	0.95	1.02	1.00	1.00	0.94	1.00	1.00	1.09	1.01	1.00
West	2100				2.00	2.00		2.00	2.00	2.07		2.00
SR PSU	2.24	1.08	1.05	1.79	1.03	1.01	0.90	1.00	1.00	0.72	0.98	1.00
NSR PSU	0.68	0.96	0.98	0.86	0.99	1.00	1.12	1.00	1.00	1.69	1.00	1.00

Table A6: Second-Stage Raking Adjustments for List Weights, 1989, 1992,1995, and 1998 SCFs.

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Table A7	a: Scaling	factor for	· Area-Pro	obability :	and List	Cases in 1	Each Post-
Stratum.	1989, 199	2, 1995, ai	nd 1998 S	CFs: Ori	ginal KW	/ Weights	5.

	Survey ye 1989	ar	1992		1995		1998	
Gross assets cell	AP cases	List cases	AP cases	List cases	AP cases	List cases	AP cases	List cases
1	0.934	0.066	0.922	0.078	0.927	0.073	0.929	0.071
2	0.926	0.074	0.854	0.147	0.878	0.122	0.863	0.137
3	0.719	0.281	0.523	0.467	0.581	0.419	0.690	0.310
4	0.468	0.532	0.232	0.768	0.279	0.721	0.357	0.643
5	0.226	0.774	0.085	0.915	0.083	0.917	0.113	0.887
6	0.089	0.911	0.014	0.986	0.028	0.971	0.024	0.976
7	0.057	0.943	0.001	0.999	0.004	0.996	0.000	1.000

Table A7b: Scaling factor for Area-Probability and List Cases in Each Post-Stratum, 1989, 1992, 1995, and 1998 SCFs; Revised KW Weights.

Course south sell	Survey ye 1989	ar	1992	T :	1995	T :	1998	T :
Gross assets cell	AP cases	List cases	AP cases	List cases	AP cases	List cases	AP case	es List cases
1	0.934	0.066	0.923	0.077	0.927	0.073	0.927	0.073
2	0.926	0.074	0.853	0.147	0.878	0.122	0.864	0.136
3	0.720	0.280	0.531	0.469	0.581	0.419	0.700	0.300
4	0.469	0.531	0.231	0.769	0.278	0.722	0.361	0.639
5	0.226	0.774	0.084	0.916	0.081	0.919	0.114	0.886
6	0.090	0.910	0.014	0.986	0.028	0.972	0.023	0.977
7	0.056	0.944	0.000	1.000	0.004	0.996	0.000	1.000

Table A8a: Post-Stratification Factors by Gross-Asset Post-Strata; 1989, 1992, 1995, and 1998 SCFs; Original KW Weights.

	Survey y	year		
Gross-assets cell	1989	1992	1995	1998
1	1.01	0.99	0.98	0.98
2	0.98	1.01	1.01	1.03
3	0.96	0.93	0.86	0.98
4	1.10	0.95	0.95	0.92
5	1.10	1.03	0.99	0.98
6	1.08	1.01	1.02	0.98
7	1.05	1.00	0.99	1.00

Table A8b: Post-Stratification Factors by Gross-Asset Post-Strata; 1989, 1992, 1995, and 1998 SCFs; Revised KW Weights.

	Survey	year		
Gross-assets cell	1989	1992	1995	1998
1	1.01	0.99	0.98	0.98
2	0.98	1.01	1.01	1.02
3	0.96	0.92	0.86	1.02
4	1.10	0.95	0.95	0.92
5	1.10	1.03	0.98	0.98
6	1.08	1.01	1.02	0.98
7	1.04	1.00	0.99	1.00

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Table A9a: Maximum Weight, Trim Point, and Adjustment Factor, by Gross-Asset Post-Strata; 1989, 1992, 1995, and 1998 SCFs; Original KW Weights.

	Survey y 1989	ear		1992			1995			1998	
Gross	Trim pt.	Max.	Adj.	Trim pt.	Max.	Adj.	Trim pt.	Max.	Adj.	Trim pt. Max.	Adj.
assets cell											
1	143,946	214,524	1.01	54,393	93,790	1.00	57,732	71,701	1.00	51,275 71,	088 1.00
2	85,332	439,689	1.09	56,719	145,941	1.03	49,657	79,687	1.01	48,899 143,	875 1.04
3	81,903	521,933	1.12	45,530	376,023	1.17	38,258	294,048	1.11	45,728 312,4	452 1.15
4	48,056	597,217	1.36	26,651	121,527	1.35	25,270	96,798	1.29	53,413 405,	085 1.17
5	12,070	505,250	1.89	13,196	182,962	1.43	8,599	115,923	1.29	15,555 114,	342 1.17
6	4,597	13,251	1.52	1,513	14,281	1.45	3,771	70,540	1.87	4,614 13,	128 1.24
7	577	5,102	1.77	576	807	1.04	1,024	1,895	1.12	1,261 5.	055 1.36
	011	0,102	1177	010	007	1.0.	1,02.	1,070		1,201 01	1.00

Table A9b: Maximum Weight, Trim Point, and Adjustment Factor, by Gross-Asset Post-Strata; 1989, 1992, 1995, and 1998 SCFs; Revised KW Weights.

	Survey y 1989	ear		1992			1995			1998	
Gross	Trim pt.	Max.	Adj.	Trim pt.	Max.	Adj.	Trim pt.	Max.	Adj.	Trim pt. Max.	Adj.
assets cell											
1	142,837	219,388	1.01	54,639	93,315	1.00	57,903	57903	1.00	58,727 76,761	1.00
2	85,440	440,237	1.09	56,687	145,858	1.03	49,625	66,769	1.01	51,603 148,399	1.05
3	81,575	522,538	1.12	45,503	375,805	1.17	38,218	114,760	1.11	45,472 324,499	1.16
4	48,056	597,909	1.36	26,651	121,456	1.35	25,270	86,162	1.28	54,334 428,262	1.17
5	12,070	505,250	1.89	13,196	182,856	1.43	8,599	24,117	1.29	14,383 102,223	1.17
6	4,597	13,251	1.52	1,513	14,282	1.45	3,771	8,145	1.87	4,686 12,212	1.21
7	577	5,101	1.77	576	807	1.04	1,024	1,483	1.12	1,295 5,213	1.35

Table A10a: First Post-Stratification Adjustment Factor for Gross Asset Post-Strata 1 and 2; 1989, 1992, 1995, and 1998 SCFs; Original KW Weights.

	Survey y	/ear		
Age	1989	1992	1995	1998
24	0.99	0.04	0.02	0.92
24 or younger	0.88	0.94	0.95	0.82
25 to 34	0.97	0.91	0.95	1.00
35 to 44	0.89	0.96	1.00	1.04
45 to 54	0.87	0.98	0.98	0.95
55 to 64	0.93	0.92	1.05	1.07
65 to 69	0.85	1.00	1.00	1.00
70 to 74	0.98	1.04	1.23	1.03
75 or older	0.90	1.06	1.09	1.07

Table A10b: First Post-Stratification Adjustment Factor for Gross Asset Post-Strata 1 and 2; 1989, 1992, 1995, and 1998 SCFs; Revised KW Weights.

	Survey y	/ear		
Age	1989	1992	1995	1998
24 он уюльсон	0.00	0.04	0.02	0.00
24 or younger	0.88	0.94	0.93	1.00
25 to 34	0.97	0.91	0.95	1.00
35 to 44	0.89	0.96	1.00	1.03
45 to 54	0.87	0.98	0.98	0.94
55 to 64	0.93	0.93	1.05	1.05
65 to 69	0.85	1.00	1.01	0.99
70 to 74	0.98	1.04	1.23	1.01
75 or older	0.90	1.06	1.09	1.05

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	Surve	y year										
	1989	1989		1992	1992		1995			1998		
	Rakin	g iteratic	n	Raking	Raking iteration			Raking iteration			Raking iteration	
Adjustment cell	1	2	3	1	2	3	1	2	3	1	2	3
Homeowner: age												
<35	1.01	1.00	1.00	1.01	1.00	1.00	1.03	1.00	1.00	1.02	1.00	1.00
35 to 54	0.99	1.00	1.00	1.00	1.00	1.00	1.02	1.00	1.00	1.03	1.00	1.00
>=55	1.01	1.00	1.00	1.03	1.00	1.00	1.03	1.00	1.00	1.02	1.01	1.00
Non-homeowner: age												
<35	0.99	1.00	1.00	0.99	1.00	1.00	0.98	1.00	1.00	0.99	0.99	1.00
35 to 54	1.02	0.99	1.00	1.00	1.00	1.00	0.96	1.00	1.00	0.95	1.00	1.00
>=55	0.94	0.99	1.00	0.90	1.00	1.00	0.90	0.99	1.00	0.93	1.00	1.00
Region												
Northeast	1.01	1.00	1.00	1.00	1.00	1.00	1.02	1.00	1.00	0.98	1.00	1.00
South	1.00	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00
Northcentral	0.98	1.00	1.00	0.98	1.00	1.00	0.99	1.00	1.00	0.98	1.00	1.00
West	1.04	1.00	1.00	1.03	1.00	1.00	1.03	1.00	1.00	1.05	1.00	1.00

Table A11a: Final Raking, Final Adjustments, Gross Asset Post-Strata 1 and 2, 1989, 1992, 1995, and 1998 SCFs; Original KW Weights.

Table A11b: Final Raking, Final Adjustments, Gross Asset Post-Strata 1 and 2, 1989, 1992, 1995, and 1998 SCFs; Revised KW Weights.

	Survey	year		1992			1995			1998		
	Pakin	Dahing iteration		Paking iteration		Paking iteration			Paking iteration			
	πακιήξ	Kaking herallon		Kaking neranon		Raking neration		Ruking tieration				
Adjustment cell	1	2	3	1	2	3	1	2	3	1	2	3
Homeowner: age												
<35	1.01	1.00	1.00	1.01	1.00	1.00	1.03	1.00	1.00	1.01	1.00	1.00
35 to 54	0.99	1.00	1.00	1.00	1.00	1.00	1.02	1.00	1.00	1.03	1.00	1.00
>=55	1.01	1.00	1.00	1.03	1.00	1.00	1.03	1.00	1.00	1.02	1.00	1.00
Non-homeowner: ag	ge											
<35	0.99	1.00	1.00	0.99	1.00	1.00	0.98	1.00	1.00	0.99	1.00	1.00
35 to 54	1.02	0.99	1.00	1.00	1.00	1.00	0.96	1.00	1.00	0.96	1.00	1.00
>=55	0.95	0.99	1.00	0.90	1.00	1.00	0.90	1.00	1.00	0.95	1.00	1.00
Region												
Northeast	1.01	1.00	1.00	1.00	1.00	1.00	1.02	1.00	1.00	0.98	1.00	1.00
South	0.99	1.00	1.00	1.00	1.00	1.00	0.97	1.00	1.00	1.00	1.00	1.00
Northcentral	0.98	1.00	1.00	0.98	1.00	1.00	0.99	1.00	1.00	0.99	1.00	1.00
West	1.04	1.00	1.00	1.03	1.00	1.00	1.03	1.00	1.00	1.04	1.00	1.00

Table A12a: Final Post-Stratification, Final Adjustments, Gross Asset Post-Strata 1 and 2; 1989, 1992, 1995, and 1998 SCFs; Original KW Weights.

	Survey	year		
Age	1989	1992	1995	1998
	1.01	1 00	1.01	1.01
24 or younger	1.01	100	1.01	1.01
25 to 34	1.00	1.00	1.00	1.00
34 to 44	1.00	1.00	1.00	1.00
45 to 54	1.00	1.00	1.00	0.99
55 to 64	1.00	1.01	1.00	1.00
65 to 69	1.00	0.99	1.00	1.00
70 to 74	0.99	1.00	0.99	0.99
75 or older	1.00	0.99	1.00	1.00

Table A12b: Final Post-Stratification, Final Adjustments, Gross Asset Post-Strata 1 and 2; 1989, 1992, 1995, and 1998 SCFs; Revised KW Weights.

	Survey	year		
Age	1989	1992	1995	1998
24 or younger	1.01	1.00	1.00	1.01
24 of younger	1.01	1.00	1.00	1.01
25 to 34	1.00	1.00	1.00	1.00
34 to 44	1.00	1.00	1.00	1.00
45 to 54	1.00	1.00	1.00	1.00
55 to 64	1.00	1.01	1.00	1.00
65 to 69	1.00	0.99	1.00	1.00
70 to 74	0.99	1.00	0.99	0.99
75 or older	1.00	0.99	1.01	1.00

Table A13: Actual and Bootstrap Sample Sizes; 1989, 1992, 1995, and 1998 SCFs.

	Full sample	Area-prob.	List
1989 SCF			
Actual size	3,143	2,277	866
Bootstrap samples:	,	,	
Mean	3,140	2,275	865
Median	3,141	2,279	864
Stand. dev.	82.2	60.7	82.2
Minimum	2,890	2,102	708
Maximum	3,385	2,469	1,057
CV (%)	3.8	4.1	7.5
1992 SCF			
Actual size	3906	2456	1450
Bootstrap samples:			
Mean	3905	2455	1450
Median	3903	2453	1450
Stand. dev.	58.8	45.3	35.6
Minimum	3718	2333	1357
Maximum	4067	2601	1552
CV (%)	1.5	1.8	2.5
1995 SCF			
Actual size	4,299	2,776	1,523
Bootstrap samples:			
Mean	4,299	2,776	1,523
Median	4,299	2,777	1,523
Stand. dev.	53.7	38.7	38.6
Minimum	4132	2643	1407
Maximum	4,473	2,919	1,633
CV (%)	1.2	1.4	2.5
1998 SCF			
Actual size	4,309	2,813	1,496
Bootstrap samples:			
Mean	4,308	2,812	1,496
Median	4,308	2,812	1,495
Stand. dev.	62.5	51.2	32.8
Minimum	4,120	2,660	1,412
Maximum	4,525	2,978	1,596
CFV (%)	1.5	1.8	2.2

Table A14: Number of Times a Case WasSelected for Bootstrap Replicates; 1989,1992, 1995, and 1998 SCFs.

1989 SCF			
	Full sample	Area-prob.	List
Mean	728	740	696
Median	745	748	736
Stand. dev.	45.6	33.3	56.9
Minimum	586	613	586
Maximum	792	792	792
CV (%)	6.3	4.5	8.2
1992 SCF			
	Full sample	Area-prob.	List
Mean	730	749	699
Median	748	749	745
Stand. dev.	43.1	5.9	58.1
Minimum	599	739	599
Maximum	784	784	784
CV(%)	5.9	0.8	8.3
1995 SCF			
	Full sample	Area-prob.	List
Mean	722	744	682
Median	748	749	652
Stand. dev.	46.7	17.0	56.1
Minimum	594	644	594
Maximum	749	784	771
CV (%)	6.5	2.3	8.2
1998 SCF			
	Full sample	Area-prob.	List
Mean	717	745	664
Median	748	749	640
Stand. dev.	50.7	16.0	51.8
Mimimum	582	696	582
Maximum			
	784	784	759
CV (%)	784 7.1	784 2.2	759 7.8