Technical Report

Panel Study of Income Dynamics PSID Cross-sectional Individual Weights, 1997-2015

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This technical report documents the methodology and properties for a series of weights that have been developed for cross-sectional analysis of individual data from the 1997-2015 Panel Study of Income Dynamics (PSID). The PSID longitudinal analysis weights for individuals and families are documented in Heeringa et al. (2015) and Gouskova, et al. (2008). While researchers have always been able to perform cross-sectional analysis using longitudinal weights for PSID sample persons, the new cross-sectional weights offer an additional approach for weighted cross-sectional estimation based on the PSID individual data. Specifically, the PSID cross-sectional weights permit analysts to use all available data for both PSID sample persons and non-sample persons to estimate population characteristics or model population relationships at specific points in time. In addition, the cross-sectional weights are post-stratified to the population characteristics from the Current Population Survey (CPS) or American Community Survey (ACS) for the respective year. This is not the case for the longitudinal weights. PSID plans to provide the cross-sectional weights for each future wave.

This technical report is organized in four sections. Section I defines sample and non-sample persons in the PSID and explains the rationale for creating the cross-sectional weights. The "fair shares" methodology that underlies the construction of the PSID cross-sectional weights is discussed in Section II. Section III describes how the cross-sectional weights are constructed. The report concludes in Section IV with a descriptive analysis of the weights, including comparisons of distributions of U.S. socioeconomic characteristics using weighted estimates from the CPS, ACS and PSID.

I. Introduction

PSID traditionally categorizes persons into one of two groups: sample persons and non-sample persons. The definition of these categories has changed slightly over the years. From 1968 to 1993, a sample person was defined as someone who was either an original sample person; i.e., resident of a PSID sample family in 1968, or an offspring born to or adopted by a sample individual who was actively participating in the study at the time. A newborn child had to appear in the study at the wave immediately following their birth to be considered a sample person. In 1994, the definition of a sample person was expanded to include children born to or adopted by a sample person when the sample person was not participating in the study; i.e., the child need not be residing with a responding panel family at birth or adoption.

In 1997, a baseline sample of new immigrant families and individuals was added. The same current PSID definition of sample persons (implemented in 1994) applies to the immigrant

sample. Throughout the remainder of this memorandum, 1968 will be referenced as the base year for PSID. Readers should note that for immigrant supplement families the true baseline for sample selection and sample status determination for individuals is 1997.

All other members of PSID families are considered non-sample persons. They are typically new spouses and partners or other family members. See McGonagle and Schoeni (2006) for a detailed background on the PSID. Under the conventional methods for computing PSID longitudinal weights for individuals, non-sample persons are automatically assigned a "0" weight and, thus, excluded from any properly weighted longitudinal or cross-sectional analysis of the PSID individual data. The justification for assigning a zero longitudinal weight value to non-sample persons was two-fold. First, barring any biases due to non-response and attrition, the dynamic sampling design for individuals and families employed in the PSID provides unbiased representation of the survey population at each measurement point (cross-sectional) and over time (longitudinal). Under the simple assumption that initial sample inclusion probabilities for spouses are exchangeable (equal), survey weights for newborn children and current family units, including newly formed families or existing families that add new members, can be easily computed. Second, the process of dynamic recruitment of non-sample persons to PSID families is left-censored. This means that the time at which a non-sample person is first observed in a longitudinal sequence of observations is stochastic—potentially dependent on age and other factors but otherwise random conditional on such covariates. In longitudinal analysis such as modeling simple change over time, repeated measures, growth curves or other more sophisticated models of change over time, analysts typically select the weight for the terminal ("end point") wave of the longitudinal reference period. This ensures that there will be a minimum of missing data for the cases that are included in the longitudinal analysis and that the results of the analysis, when properly weighted, are representative of the population over the time period of interest.

The data loss resulting from excluding non-sample persons was not significant in the early years because these individuals represented a modest fraction of the total persons in the PSID sample of families. For instance, among 17,212 total PSID persons in 1969, 537 were non-sample persons. However, as Table 1 shows, with the passage of time, non-sample individuals have comprised an increasing and now substantial share of the total PSID persons. For example, the number of non-sample persons grew to 7,132 out of a total of 24,637 PSID individual respondents in 2015.

Although the PSID panel supports various forms of longitudinal analysis, cross-sectional analysis is a popular usage of the PSID data. In order to increase effective sample size for such analysis, a new set of weights have been developed at the individual level. These new weights are labeled cross-sectional weights to underscore their purpose and to distinguish them from the traditional PSID longitudinal weights. Unlike the longitudinal weights, the cross-sectional weights are non-zero for both sample and non-sample persons. This allows information on sample and non-sample individuals to be included in weighted analyses.

The cross-sectional weights are not provided at the family level. Very few families have a value of zero for their longitudinal weight, hence there is relatively little advantage to creating a cross-sectional family weight. Therefore, it is recommended that the longitudinal family weights be used for cross-sectional analyses of family characteristics and outcomes.

II. "Fair Shares" Methodology for Constructing PSID Cross-sectional Weights

As early as 1984, statisticians working in the U.S. Survey of Income and Program Participation (SIPP) began to study weighting methodologies for including "nonsample" persons who entered a dynamic, longitudinal sample, (Huang, 1984). In 1987, the PSID Board of Overseers expressed interest in a methodology for incorporating the increasing number of nonsample individuals in PSID families into weighted cross-sectional analyses that would represent the general population. Kalton (1987) and Little (1989) developed working papers for the PSID Board that looked specifically at methodology that would enable both PSID sample and nonsample persons to be included in cross-sectional analysis of the panel data. Subsequently, several major panel studies modeled on the PSID and its "dynamic sampling" method have employed the methods discussed in these early papers to develop a cross-sectional weight for point in time analyses of the panel data. These include the British Household Panel Survey (Lynn, et al., 2006) and the Canadian Survey of Labour and Income Dynamics (Lavallee, 1995). A comprehensive review of the theory and methods for cross-sectional weight development in longitudinal surveys is provided by Kalton and Brick (1995) and Ernst (1989).

Following Kalton and Brick (1995), one method for assigning nonzero weights to all members—both sample and nonsample persons—of a PSID family is labeled the "fair shares" method. Application of the fair shares method assumes that the probability of observing each person in a family is equal to the probability of observing the family itself. This equivalence of family and individual probabilities was true for the original samples of PSID families and individuals first interviewed in the 1968 baseline wave. However, in subsequent waves, probabilities for

nonsample persons that were not members of a 1968 sample family were unknown or could not be readily determined.

At any data collection time point, t, a non-zero cross-sectional weight for each person in a PSID family can be assigned using the fair shares method:

$$w_{i,t} = \sum_{i=1}^{n_f} \alpha_i \cdot w_{i,t}^*$$

where:

 n_f = the total number of sample and nonsample persons in family f;

 $\mathbf{w}_{i,t}^*$ = the current non-zero individual weight for sample person, i

= 0 if person i is nonsample;

 $\alpha_i = \text{(general)}$ an arbitrary influence weight $\in (0,1)$, $\sum_{i=1}^{n_f} \alpha_i = 1$.

In general, the values of α_i may be derived to optimize the precision of a specific population estimator (e.g. a population total); however, here we choose an equal person weighting scheme with α_i =1/n_f. In simple terms, this is equivalent to assuming that at time t, each PSID family includes only members of a single original 1968 PSID family or that the 1968 families represented in a new family at time t had identical probabilities of selection when the 1968 baseline sample was drawn—the "like marries like" assumption that since 1969 has been the basis for the calculation of PSID family weights.

III. Weight construction and evaluation

Using a version of the "fair shares" methodology described in Section II above, cross-sectional weights for all PSID individuals have been constructed for the following waves: 1997, 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2013, and 2015. For the waves prior to 1997, data users are advised to use longitudinal weights to conduct cross-sectional analyses, recognizing that for these earlier years the analysis will be based only on PSID sample persons.

The cross-sectional weight uses the longitudinal family weight as the starting point, and a two-step adjustment is applied as shown in Figure 1. The base weight is prepared in the first step through cell-based trimming and imputation. To do so, the PSID sample of families is stratified into cells, *d*, cross-classified by the following characteristics:

- SRC/SEO/1997 immigrant sample,
- age of household head (<34, 35-54, 55+),
- race of household head (Black, Non-Black), and
- region of residence (North East, Midwest, South, West).

Cells with small case counts are combined together. Within SRC and within SEO sample, the most extreme family weight values are trimmed at the 95th percentile for the family weight distribution. Next, for each cell, the sum of all weights is restored to its pre-trimmed value, distributing or "smoothing" the "trimmed" share of extreme family weights over families in the same demographic cell. The adjusted family-level weights are assigned to each sample and non-sample person in the family to create the base weight, $W_{i(d)}^0$ for person i in cell d.

In the second step, the base weights are post-stratified to known individual population totals for major demographic characteristics. Post-stratification controls were based on the March Current Population Survey (CPS) Annual Demographic Survey for 1997, 1999, 2001, 2003, 2005, 2007, 2009, 2011, and 2013 waves and was based on the American Community Survey (ACS) one-year Public Use Microdata Sample (PUMS) data for 2015 wave. The post-strata cells, c, are formed by crossing the following characteristics:

- gender of person (Male/Female),
- age of person (0-9/10-19/20-29/30-39/40-49/50-59/60-69/70+)
- race of household head (Black/Non-Black), and
- region (Northeast/Midwest/South/West).

Some cells are combined to have a minimum number of observations. Table 2 shows the individual sample sizes of these post-strata for the 1997, 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2013 and 2015 waves. Similarly, the CPS or ACS sample for the corresponding year is divided into the post-stratification cells defined above. Once the post-stratification cells have been created, the adjustment factor for cell c is calculated as:

$$f_{(c)} = \frac{\sum_{l(c)} W_{l(c)}^{CPS}}{\sum_{j(c)} W_{j(c)}^{0}}$$

where $W_{j(c)}^0$ is the base weight from Step 1, and $W_{l(c)}^{CPS}$ is the individual weight of CPS (or ACS for the waves since 2015) individual l in cell c.

Then the adjustment factor, $f_{(c)}$, is multiplied to the base weight as follows:

$$W_{i(c)} = W_{i(c)}^0 f_{(c)}$$
.

The result, $W_{i(c)}$, is the final cross-sectional weight.

Table 3 provides a descriptive summary of the sample size, the distributions of the cross-sectional weights, the CPS population totals, and the ACS population totals for each PSID wave. The variable names for the cross-sectional weights in the PSID data archive are listed in Table 4.

IV. Evaluation of the PSID Cross-sectional Weights: Comparisons with the CPS.

Tables 5 through 8 compare PSID, CPS, and ACS weighted estimates of selected demographic statistics based on characteristics including age, gender, race, and region. All analyses use individuals as the unit of analysis for the results displayed in these tables. In each table, the upper panel reports the estimates using the weighted CPS data, weighted ACS data, PSID data weighted by the individual cross-sectional weight, and the PSID data weighted by the individual longitudinal weight. The second panel of each table reports the ratio of the weighted estimate for the PSID using the new cross-sectional individual weights to the estimate for the CPS and to the estimate for the ACS. The statistics in the third panel of each table are ratios of the estimate for the PSID using the longitudinal individual weights to the estimate for the CPS and to the estimate for the ACS. Comparing across the ratios of PSID/CPS and PSID/ACS allows one to examine the extent to which population level estimates using the PSID differ when one uses the cross-sectional individual weight instead of the longitudinal individual weight.

Simple examination of the results of these comparisons shows that, as expected, when considering characteristics that are used as post-stratification controls (e.g. gender, race, region) the weighted distributions across categories exactly match the corresponding category totals from CPS (or ACS for the waves since 2015). However, caution is advised in placing too much emphasis on minor differences between the PSID and CPS (or ACS for the waves since

2015)weighted distribution. Take for example, the comparison by age categories in Table 5. As shown in Table 2, the actual post-stratification of the PSID cross-sectional weights for individuals uses age categorized in 10 year decades. The comparison shown in Table 5 uses mid-decade splits (e.g. 45-64, 65+) for estimation and comparison. Note that even though the post-stratification exactly controls the ratio of PSID to CPS (or ACS for the waves since 2015) weighted totals for the 60-69 year age group, there appears to be some difference in the apportionment of 60-64 and 65-69 year olds relative to CPS (or ACS for the waves since 2015).

Analysts should keep in mind that for any given wave, the post-stratification described above does not explicitly take into account PSID non-coverage of immigrant populations after 1997. Therefore, the cross-sectional weights for 1999, 2001, 2003, 2005, 2007, 2009, 2011, 2013, and 2015 attempt to numerically account for all individuals in the United States; however, immigrants arriving after 1997 when the immigrant sample was added to the PSID are not fully represented in the PSID. In addition, another limitation of this post-stratification is that the CPS does not cover the institutionalized population while PSID due to the dynamic nature of the sample may include institutionalized persons.

V. References

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 Table 1. PSID Size of Sample and Non-Sample Persons and Families: 1997-2015

| | | | Total Num | ber |
|------|-----------|--------------|-----------|--------------|
| | | Total Number | of Non- | Total Number |
| Year | of Person | of Sample | sample | of Families |
| | Records | Persons | Persons | |
| 1969 | 17212 | 16675 | 537 | 4460 |
| 1970 | 17349 | 16359 | 990 | 4645 |
| 1971 | 17590 | 16244 | 1346 | 4840 |
| 1972 | 18051 | 16283 | 1768 | 5060 |
| 1973 | 18236 | 16155 | 2081 | 5285 |
| 1974 | 18396 | 16068 | 2328 | 5517 |
| 1975 | 18623 | 16028 | 2595 | 5725 |
| 1976 | 18768 | 15937 | 2831 | 5862 |
| 1977 | 18998 | 15898 | 3100 | 6007 |
| 1978 | 19140 | 15833 | 3307 | 6154 |
| 1979 | 19443 | 15892 | 3551 | 6373 |
| 1980 | 19747 | 15916 | 3831 | 6533 |
| 1981 | 19796 | 15897 | 3899 | 6620 |
| 1982 | 20112 | 16008 | 4104 | 6742 |
| 1983 | 20327 | 16010 | 4317 | 6852 |
| 1984 | 20393 | 15987 | 4406 | 6918 |
| 1985 | 20680 | 16024 | 4656 | 7032 |
| 1986 | 20437 | 15782 | 4655 | 7018 |
| 1987 | 20486 | 15755 | 4731 | 7061 |
| 1988 | 20506 | 15692 | 4814 | 7114 |
| 1989 | 20451 | 15564 | 4887 | 7114 |
| 1990 | 20745 | 15626 | 5119 | 9371 |
| 1991 | 20770 | 15607 | 5163 | 9363 |
| 1992 | 21145 | 15752 | 5393 | 9829 |
| 1993 | 22311 | 16121 | 6190 | 9977 |
| 1994 | 24512 | 18153 | 6359 | 10764 |
| 1995 | 23929 | 17699 | 6230 | 10401 |
| 1996 | 23810 | 17587 | 6223 | 8511 |
| 1997 | 19761 | 15047 | 4714 | 6747 |
| 1999 | 20515 | 15313 | 5202 | 6997 |
| 2001 | 21400 | 15639 | 5761 | 7406 |
| 2003 | 22290 | 16005 | 6285 | 7822 |
| 2005 | 22918 | 16614 | 6304 | 8002 |
| 2007 | 23501 | 16906 | 6595 | 8289 |
| 2009 | 24385 | 17471 | 6914 | 8690 |
| 2011 | 24661 | 17643 | 7018 | 8907 |
| 2013 | 24952 | 17785 | 7167 | 9063 |
| 2015 | 24637 | 17505 | 7132 | 9048 |

 Table 2. PSID Person Sample Size in Cross-sectional Weight Post-stratification Cells: 1997-2015

| Sex | Race | Region | Age | 1997 | 1999 | 2001 | 2003 | 2005 | 2007 | 2009 | 2011 | 2013 | 2015 |
|--------|-------|------------|-----------|------|------|------|------|------|------|------|------|------|------|
| Female | Black | Mid West | age 1-9 | 153 | 143 | 140 | 146 | 156 | 161 | 173 | 188 | 186 | 177 |
| Male | Black | Mid West | age 1-9 | 146 | 150 | 139 | 135 | 157 | 164 | 172 | 181 | 187 | 164 |
| Female | Black | Mid West | age 10-19 | 142 | 155 | 158 | 167 | 173 | 185 | 173 | 171 | 162 | 157 |
| Male | Black | Mid West | age 10-19 | 139 | 150 | 161 | 171 | 171 | 161 | 166 | 162 | 162 | 168 |
| Female | Black | Mid West | age 20-29 | 86 | 96 | 118 | 134 | 161 | 181 | 189 | 201 | 203 | 176 |
| Male | Black | Mid West | age 20-29 | 58 | 64 | 74 | 87 | 128 | 139 | 154 | 152 | 180 | 172 |
| Female | Black | Mid West | age 30-39 | 131 | 119 | 105 | 102 | 106 | 103 | 108 | 134 | 146 | 153 |
| Male | Black | Mid West | age 30-39 | 85 | 72 | 67 | 69 | 66 | 58 | 67 | 71 | 79 | 104 |
| Female | Black | Mid West | age 40-49 | 77 | 104 | 121 | 125 | 141 | 140 | 117 | 107 | 93 | 86 |
| Male | Black | Mid West | age 40-49 | 62 | 75 | 90 | 84 | 72 | 61 | 53 | 59 | 60 | 60 |
| Female | Black | Mid West | age 50+ | 75 | 83 | 94 | 119 | 129 | 142 | 168 | 168 | 178 | 204 |
| Male | Black | Mid West | age 50+ | 43 | 51 | 59 | 71 | 81 | 91 | 96 | 100 | 101 | 109 |
| Female | Black | North East | age 1-9 | 43 | 43 | 37 | 51 | 56 | 53 | 65 | 70 | 73 | 77 |
| Male | Black | North East | age 1-9 | 53 | 54 | 58 | 54 | 51 | 52 | 58 | 50 | 55 | 56 |
| Female | Black | North East | age 10-19 | 52 | 57 | 60 | 53 | 56 | 54 | 46 | 40 | 44 | 52 |
| Male | Black | North East | age 10-19 | 69 | 67 | 69 | 75 | 75 | 62 | 61 | 53 | 52 | 47 |
| Female | Black | North East | age 20-29 | 27 | 29 | 37 | 55 | 63 | 70 | 77 | 67 | 68 | 58 |
| Male | Black | North East | age 20-29 | 28 | 33 | 38 | 48 | 66 | 70 | 62 | 64 | 68 | 49 |
| Female | Black | North East | age 30-39 | 59 | 53 | 46 | 37 | 40 | 37 | 45 | 47 | 50 | 56 |
| Male | Black | North East | age 30-39 | 30 | 28 | 32 | 29 | 26 | 27 | 43 | 44 | 41 | 52 |
| Female | Black | North East | age 40-49 | 43 | 47 | 53 | 58 | 60 | 47 | 48 | 47 | 41 | 29 |
| Male | Black | North East | age 40-49 | 28 | 34 | 34 | 41 | 39 | 35 | 38 | 36 | 36 | 28 |
| Female | Black | North East | age 50+ | 45 | 47 | 51 | 55 | 59 | 71 | 83 | 82 | 92 | 94 |
| Male | Black | North East | age 50+ | 20 | 28 | 33 | 34 | 37 | 43 | 52 | 50 | 54 | 55 |
| Female | Black | South | age 1-9 | 511 | 509 | 506 | 504 | 513 | 544 | 561 | 597 | 625 | 589 |
| Male | Black | South | age 1-9 | 539 | 523 | 505 | 499 | 517 | 545 | 565 | 578 | 588 | 612 |
| Female | Black | South | age 10-19 | 500 | 514 | 530 | 558 | 571 | 554 | 547 | 539 | 551 | 549 |
| Male | Black | South | age 10-19 | 517 | 548 | 543 | 585 | 597 | 575 | 559 | 576 | 570 | 557 |
| Female | Black | South | age 20-29 | 363 | 394 | 432 | 466 | 508 | 575 | 598 | 596 | 642 | 643 |
| Male | Black | South | age 20-29 | 278 | 322 | 369 | 404 | 468 | 510 | 548 | 553 | 598 | 579 |
| Female | Black | South | age 30-39 | 466 | 431 | 415 | 388 | 388 | 383 | 429 | 475 | 523 | 564 |
| Male | Black | South | age 30-39 | 293 | 300 | 271 | 278 | 284 | 290 | 325 | 385 | 421 | 446 |
| Female | Black | South | age 40-49 | 329 | 386 | 427 | 478 | 495 | 479 | 435 | 407 | 377 | 365 |
| Male | Black | South | age 40-49 | 266 | 281 | 305 | 328 | 297 | 292 | 272 | 238 | 256 | 245 |
| Female | Black | South | age 50-59 | 94 | 117 | 163 | 223 | 274 | 336 | 383 | 398 | 426 | 455 |
| Male | Black | South | age 50-59 | 78 | 102 | 152 | 201 | 245 | 269 | 265 | 283 | 269 | 258 |
| Female | Black | South | age 60-69 | 81 | 79 | 89 | 76 | 79 | 79 | 107 | 159 | 211 | 248 |
| Male | Black | South | age 60-69 | 47 | 47 | 52 | 54 | 61 | 77 | 103 | 140 | 155 | 193 |
| Female | Black | South | age 70+ | 85 | 94 | 96 | 104 | 105 | 107 | 106 | 101 | 101 | 105 |
| Male | Black | South | age 70+ | 55 | 55 | 50 | 55 | 56 | 54 | 55 | 53 | 63 | 57 |
| Female | Black | West | age 1-9 | 65 | 59 | 56 | 53 | 59 | 41 | 64 | 59 | 57 | 43 |
| Male | Black | West | age 1-9 | 58 | 58 | 63 | 49 | 44 | 38 | 43 | 56 | 62 | 57 |
| Female | Black | West | age 10-19 | 38 | 44 | 57 | 60 | 57 | 69 | 71 | 67 | 61 | 52 |
| Male | Black | West | age 10-19 | 47 | 46 | 54 | 69 | 68 | 62 | 68 | 71 | 56 | 48 |
| Female | Black | West | age 20-29 | 37 | 33 | 31 | 34 | 43 | 42 | 65 | 75 | 86 | 70 |
| Male | Black | West | age 20-29 | 25 | 17 | 26 | 41 | 40 | 56 | 63 | 74 | 73 | 62 |
| Female | Black | West | age 30-39 | 50 | 50 | 52 | 55 | 38 | 37 | 51 | 58 | 60 | 56 |

| Fermale Black West | Male | Black | West | age 30-39 | 49 | 42 | 28 | 24 | 23 | 23 | 33 | 37 | 46 | 44 |
|--|--------|----------|------------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Male Black West age 50+9 18 26 40 51 50 67 78 88 55 88 22 19 19 18 18 18 18 19 19 19 18 18 18 19 19 19 18 18 18 19 19 19 19 18 18 18 19 19 19 19 18 18 18 19 19 19 19 18 18 18 19 19 19 19 18 18 19 19 19 19 18 18 19 19 19 19 18 18 19 19 19 19 18 18 19 19 19 19 18 18 19 19 19 19 18 18 19 19 19 19 18 18 19 19 19 19 18 18 19 19 19 19 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19 | | | | _ | | | | | | | | | | |
| Fernale Black West spe 50+ 28 | | | | | | | | | | | | | | |
| Maile Black West specified of 16 20 26 31 37 88 69 79 75 85 86 89 75 75 85 86 89 75 75 85 86 89 75 75 85 86 89 75 75 85 86 89 75 75 85 86 89 75 75 85 86 89 75 75 85 86 89 75 75 85 86 89 75 75 85 86 89 75 75 85 86 89 75 75 85 86 89 75 75 85 86 89 75 75 85 86 89 75 75 85 86 89 89 75 75 85 86 89 89 89 89 89 89 89 89 89 89 89 89 89 | | | | _ | | | | | | | | | | |
| Fermale NonBlack Mid West age 1-9 320 285 292 312 341 337 377 818 811 348 | | | | • | | | | | | | | | | |
| Male NonBlack Mid West | | | | _ | | | | | | | | | | |
| Permale | | | | _ | | | | | | | | | | |
| Male NonBlack Mid West | | | | _ | | 372 | 370 | | 304 | | 316 | | | 316 |
| Fermale | | | | _ | | 322 | 313 | 308 | 307 | | | | | 290 |
| Male NonBlack Mid West age 20-29 273 318 338 346 343 355 346 350 337 300 Male NonBlack Mid West age 30-39 318 300 304 284 266 277 309 321 337 366 Male NonBlack Mid West age 30-39 311 300 304 284 266 277 309 321 337 366 Male NonBlack Mid West age 40-49 307 329 308 309 305 280 276 265 425 231 361 361 361 361 361 361 361 361 361 3 | Female | NonBlack | Mid West | _ | 283 | 303 | 351 | 374 | 394 | 406 | 403 | | 368 | |
| Fermale NonBlack Mid West age 30-39 | Male | NonBlack | Mid West | _ | | 318 | | 346 | 343 | 355 | 346 | | | |
| Male | | | | _ | | 300 | | 284 | 266 | 277 | 309 | | | 366 |
| Fernale NonBlack Mid West age 40-49 307 29 308 309 305 280 276 265 245 231 241 NonBlack Mid West age 40-49 291 285 312 303 281 270 263 248 246 253 232 246 253 312 303 281 270 263 248 246 253 232 246 253 232 246 245 251 232 246 245 245 251 232 246 245 245 245 245 245 245 245 245 245 245 | | | | _ | 311 | 293 | 277 | 282 | 303 | | 345 | | | 352 |
| Maile NonBlack Mid West age 40-49 291 285 312 303 281 270 263 248 246 253 232 232 248 267 248 251 232 232 248 267 248 251 232 232 248 267 248 251 232 232 248 267 248 251 232 232 248 267 248 251 232 232 248 267 248 251 232 232 248 267 248 251 232 232 248 248 251 232 232 248 248 251 232 232 248 248 251 232 232 248 248 251 232 232 248 248 251 232 232 248 248 251 232 232 248 248 251 232 232 248 248 251 232 232 248 248 251 232 232 248 248 251 232 232 248 | | | | _ | 307 | 329 | | | 305 | | 276 | 265 | 245 | 231 |
| Permale NonBlack Mid West Reg 50-59 135 169 210 244 264 284 267 248 251 232 | Male | NonBlack | Mid West | _ | 291 | 285 | 312 | 303 | 281 | 270 | | | | |
| Male NonBlack Mid West Age 60-69 106 99 94 94 101 123 153 186 203 221 | | | | _ | 135 | 160 | 210 | 244 | 264 | | | | | |
| Male | Cinaic | NonBiack | wild west | | 133 | 10) | 210 | 244 | 204 | 204 | 207 | 240 | 231 | 232 |
| Male NonBlack Mid West age 60-69 88 85 79 89 107 138 163 178 180 185 Female NonBlack Mid West age 70+ 142 149 151 153 152 143 142 141 148 140 Male NonBlack Morth East age 70+ 97 109 112 106 113 105 109 110 124 114 Male NonBlack North East age 1-9 128 186 190 177 184 197 171 179 172 149 Fermale NonBlack North East age 10-19 188 189 191 206 179 184 170 171 179 172 149 Fermale NonBlack North East age 10-19 187 181 203 179 214 199 190 181 163 Male NonBlack | Male | NonBlack | Mid West | age 50-59 | 158 | 206 | 230 | 237 | 243 | 241 | 233 | 246 | 245 | 218 |
| Fermale NomBlack Mid West age 70+ 142 149 151 153 152 143 142 141 148 140 Male NomBlack Mid West age 70+ 97 109 112 106 113 105 109 110 124 114 Fermale NomBlack North East age 1-9 212 185 187 172 171 156 158 151 164 136 Male NomBlack North East age 1-9 198 206 190 177 184 197 171 179 172 149 Fermale NomBlack North East age 10-19 188 189 191 206 179 184 170 156 138 132 Male NomBlack North East age 10-19 187 181 203 198 176 177 178 162 147 142 Fermale NomBlack North East age 20-29 155 149 158 178 197 214 199 190 181 163 Male NomBlack North East age 20-29 150 153 163 177 183 175 177 189 176 161 Fermale NomBlack North East age 30-39 243 222 210 186 155 151 157 173 173 166 Male NomBlack North East age 30-39 206 182 173 178 153 169 164 169 173 158 Fermale NomBlack North East age 40-49 187 199 220 224 210 200 190 154 140 119 Male NomBlack North East age 40-49 216 224 236 224 197 176 157 135 130 112 Fermale NomBlack North East age 50-59 91 99 115 136 149 161 171 185 176 171 Male NomBlack North East age 60-69 91 73 75 54 53 77 81 91 106 120 Male NomBlack North East age 60-69 91 73 75 54 53 77 81 91 106 120 Male NomBlack North East age 60-69 91 73 75 54 53 77 81 91 106 120 Male NomBlack North East age 60-69 91 73 155 140 100 94 102 96 86 Male NomBlack North East age 60-69 91 73 277 305 287 306 336 370 373 390 368 Male NomBlack North East age 70+ 60 68 73 78 77 84 70 69 70 54 Fermale NomBlack North age 10-19 306 305 306 310 309 315 332 331 | Female | NonBlack | Mid West | age 60-69 | 106 | 99 | 94 | 94 | 101 | 123 | 153 | 186 | 203 | 221 |
| Male NonBlack Mid West age 70+ 97 109 112 106 113 105 109 110 124 114 Female NonBlack North East age 1-9 212 185 187 172 171 156 158 151 164 136 Male NonBlack North East age 10-19 188 189 191 206 177 184 197 171 179 172 149 Male NonBlack North East age 10-19 188 189 191 206 179 184 170 156 138 132 Male NonBlack North East age 20-29 155 149 158 178 197 214 199 190 181 163 Female NonBlack North East age 30-39 243 222 210 186 155 151 157 173 173 173 173 173 | Male | NonBlack | Mid West | age 60-69 | 88 | 85 | 79 | 89 | 107 | 138 | 163 | 178 | 180 | 185 |
| Female NonBlack North East age 1-9 212 185 187 172 171 156 158 151 164 136 | Female | NonBlack | Mid West | age 70+ | 142 | 149 | 151 | 153 | 152 | 143 | 142 | 141 | 148 | 140 |
| Male NonBlack North East age 1-9 198 206 190 177 184 197 171 179 172 149 Female NonBlack North East age 10-19 188 189 191 206 179 184 170 156 138 132 Male NonBlack North East age 10-19 187 181 203 198 176 177 178 162 147 142 Female NonBlack North East age 20-29 155 149 158 178 197 214 199 190 181 163 Female NonBlack North East age 20-29 150 153 163 177 183 175 177 189 176 161 Female NonBlack North East age 30-39 243 222 210 186 155 151 157 173 173 158 Female N | Male | NonBlack | Mid West | age 70+ | 97 | 109 | 112 | 106 | 113 | 105 | 109 | 110 | 124 | 114 |
| Female NonBlack North East age 10-19 188 189 191 206 179 184 170 156 138 132 | Female | NonBlack | North East | age 1-9 | 212 | 185 | 187 | 172 | 171 | 156 | 158 | 151 | 164 | 136 |
| Male NonBlack North East age 10-19 187 181 203 198 176 177 178 162 147 142 Female NonBlack North East age 20-29 155 149 158 178 197 214 199 190 181 163 Male NonBlack North East age 20-29 150 153 163 177 183 175 177 189 176 161 Female NonBlack North East age 30-39 243 222 210 186 155 151 157 173 173 166 Male NonBlack North East age 30-39 206 182 173 178 153 169 164 169 173 158 Female NonBlack North East age 40-49 216 224 236 224 197 176 157 136 130 112 Female N | Male | NonBlack | North East | age 1-9 | 198 | 206 | 190 | 177 | 184 | 197 | 171 | 179 | 172 | 149 |
| Female NonBlack North East age 20-29 155 149 158 178 197 214 199 190 181 163 Male NonBlack North East age 20-29 150 153 163 177 183 175 177 189 176 161 Female NonBlack North East age 30-39 243 222 210 186 155 151 157 173 173 166 Male NonBlack North East age 30-39 206 182 173 178 153 169 164 169 173 158 Female NonBlack North East age 40-49 187 199 220 224 210 200 190 154 140 119 Male NonBlack North East age 50-59 91 99 115 136 149 161 171 185 176 171 Male NonBl | Female | NonBlack | North East | age 10-19 | 188 | 189 | 191 | 206 | 179 | 184 | 170 | 156 | 138 | 132 |
| Male NonBlack North East age 20-29 150 153 163 177 183 175 177 189 176 161 Female NonBlack North East age 30-39 243 222 210 186 155 151 157 173 173 166 Male NonBlack North East age 30-39 206 182 173 178 153 169 164 169 173 158 Female NonBlack North East age 40-49 187 199 220 224 210 200 190 154 140 119 Male NonBlack North East age 40-49 216 224 236 224 197 176 157 136 130 112 Female NonBlack North East age 50-59 78 94 111 138 166 175 182 185 164 130 Female Non | Male | NonBlack | North East | age 10-19 | 187 | 181 | 203 | 198 | 176 | 177 | 178 | 162 | 147 | 142 |
| NonBlack North East age 30-39 243 222 210 186 155 151 157 173 173 158 | Female | NonBlack | North East | age 20-29 | 155 | 149 | 158 | 178 | 197 | 214 | 199 | 190 | 181 | 163 |
| Male NonBlack North East age 30-39 206 182 173 178 153 169 164 169 173 158 Female NonBlack North East age 40-49 187 199 220 224 210 200 190 154 140 119 Male NonBlack North East age 40-49 216 224 236 224 197 176 157 136 130 112 Female NonBlack North East age 50-59 91 99 115 136 149 161 171 185 176 171 Male NonBlack North East age 50-59 78 94 111 138 166 175 182 185 164 130 Female NonBlack North East age 60-69 91 73 67 54 63 77 81 91 106 120 Male NonBlack | Male | NonBlack | North East | age 20-29 | 150 | 153 | 163 | 177 | 183 | 175 | 177 | 189 | 176 | 161 |
| Female NonBlack North East age 40-49 187 199 220 224 210 200 190 154 140 119 Male NonBlack North East age 40-49 216 224 236 224 197 176 157 136 130 112 Female NonBlack North East age 50-59 91 99 115 136 149 161 171 185 176 171 Male NonBlack North East age 50-59 78 94 111 138 166 175 182 185 164 130 Female NonBlack North East age 60-69 91 73 67 64 63 77 81 91 106 120 Male NonBlack North East age 60-69 69 58 57 53 54 59 80 86 103 136 Female NonBlack | Female | NonBlack | North East | age 30-39 | 243 | 222 | 210 | 186 | 155 | 151 | 157 | 173 | 173 | 166 |
| Male NonBlack North East age 40-49 216 224 236 224 197 176 157 136 130 112 Female NonBlack North East age 50-59 91 99 115 136 149 161 171 185 176 171 Male NonBlack North East age 50-59 78 94 111 138 166 175 182 185 164 130 Female NonBlack North East age 60-69 91 73 67 64 63 77 81 91 106 120 Male NonBlack North East age 60-69 69 58 57 53 54 59 80 86 103 136 Female NonBlack North East age 70+ 73 91 105 104 104 100 94 102 96 86 Male NonBlack Sout | Male | NonBlack | North East | age 30-39 | 206 | 182 | 173 | 178 | 153 | 169 | 164 | 169 | 173 | 158 |
| Female NonBlack North East age 50-59 91 99 115 136 149 161 171 185 176 171 Male NonBlack North East age 50-59 78 94 111 138 166 175 182 185 164 130 Female NonBlack North East age 60-69 91 73 67 64 63 77 81 91 106 120 Male NonBlack North East age 60-69 69 58 57 53 54 59 80 86 103 136 Female NonBlack North East age 70+ 73 91 105 104 104 100 94 102 96 86 Male NonBlack North East age 70+ 60 68 73 78 77 84 70 69 70 54 Female NonBlack South | Female | NonBlack | North East | age 40-49 | 187 | 199 | 220 | 224 | 210 | 200 | 190 | 154 | 140 | 119 |
| Male NonBlack North East age 50-59 78 94 111 138 166 175 182 185 164 130 Female NonBlack North East age 60-69 91 73 67 64 63 77 81 91 106 120 Male NonBlack North East age 60-69 69 58 57 53 54 59 80 86 103 136 Female NonBlack North East age 70+ 73 91 105 104 104 100 94 102 96 86 Male NonBlack North East age 70+ 60 68 73 78 77 84 70 69 70 54 Female NonBlack South age 1-9 319 314 342 333 331 361 389 406 395 410 Female NonBlack South | Male | NonBlack | North East | age 40-49 | 216 | 224 | 236 | 224 | 197 | 176 | 157 | 136 | 130 | 112 |
| Female NonBlack North East age 60-69 91 73 67 64 63 77 81 91 106 120 Male NonBlack North East age 60-69 69 58 57 53 54 59 80 86 103 136 Female NonBlack North East age 70+ 73 91 105 104 104 100 94 102 96 86 Male NonBlack North East age 70+ 60 68 73 78 77 84 70 69 70 54 Female NonBlack South age 1-9 319 314 342 333 331 361 389 406 395 410 Female NonBlack South age 10-19 273 276 286 294 305 298 313 261 273 322 Male NonBlack South <th< td=""><td></td><td></td><td></td><td>_</td><td>91</td><td>99</td><td>115</td><td>136</td><td>149</td><td>161</td><td>171</td><td>185</td><td>176</td><td>171</td></th<> | | | | _ | 91 | 99 | 115 | 136 | 149 | 161 | 171 | 185 | 176 | 171 |
| Male NonBlack North East age 60-69 69 58 57 53 54 59 80 86 103 136 Female NonBlack North East age 70+ 73 91 105 104 104 100 94 102 96 86 Male NonBlack North East age 70+ 60 68 73 78 77 84 70 69 70 54 Female NonBlack South age 1-9 277 277 305 287 306 336 370 373 390 368 Male NonBlack South age 1-9 319 314 342 333 331 361 389 406 395 410 Female NonBlack South age 10-19 273 276 286 294 305 298 313 261 273 322 Male NonBlack South | | | | _ | 78 | 94 | | 138 | | | | | 164 | 130 |
| Female NonBlack North East age 70+ 73 91 105 104 104 100 94 102 96 86 Male NonBlack North East age 70+ 60 68 73 78 77 84 70 69 70 54 Female NonBlack South age 1-9 277 277 305 287 306 336 370 373 390 368 Male NonBlack South age 1-9 319 314 342 333 331 361 389 406 395 410 Female NonBlack South age 10-19 273 276 286 294 305 298 313 261 273 322 Male NonBlack South age 10-19 306 305 306 310 309 315 332 331 322 298 Female NonBlack South | | | | _ | | | | | | | | | | |
| Male NonBlack North East age 70+ 60 68 73 78 77 84 70 69 70 54 Female NonBlack South age 1-9 277 277 305 287 306 336 370 373 390 368 Male NonBlack South age 1-9 319 314 342 333 331 361 389 406 395 410 Female NonBlack South age 10-19 273 276 286 294 305 298 313 261 273 322 Male NonBlack South age 10-19 306 305 306 310 309 315 332 331 322 298 Female NonBlack South age 20-29 300 334 363 362 363 376 383 373 349 357 Male NonBlack South | | | | _ | 69 | | 57 | 53 | | 59 | | 86 | 103 | 136 |
| Female NonBlack South age 1-9 277 277 305 287 306 336 370 373 390 368 Male NonBlack South age 1-9 319 314 342 333 331 361 389 406 395 410 Female NonBlack South age 10-19 273 276 286 294 305 298 313 261 273 322 Male NonBlack South age 10-19 306 305 306 310 309 315 332 331 322 298 Female NonBlack South age 20-29 300 334 363 362 363 376 383 373 349 357 Male NonBlack South age 20-29 283 289 322 363 360 367 365 344 347 352 Female NonBlack South <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>100</td> <td></td> <td></td> <td></td> <td></td> | | | | _ | | | | | | 100 | | | | |
| Male NonBlack South age 1-9 319 314 342 333 331 361 389 406 395 410 Female NonBlack South age 10-19 273 276 286 294 305 298 313 261 273 322 Male NonBlack South age 10-19 306 305 306 310 309 315 332 331 322 298 Female NonBlack South age 20-29 300 334 363 362 363 376 383 373 349 357 Male NonBlack South age 20-29 283 289 322 363 360 367 365 344 347 352 Female NonBlack South age 30-39 341 311 321 341 333 383 377 389 373 Male NonBlack South age 40- | | | | _ | | | | | | | | | | |
| Female NonBlack South age 10-19 273 276 286 294 305 298 313 261 273 322 Male NonBlack South age 10-19 306 305 306 310 309 315 332 331 322 298 Female NonBlack South age 20-29 300 334 363 362 363 376 383 373 349 357 Male NonBlack South age 20-29 283 289 322 363 360 367 365 344 347 352 Female NonBlack South age 30-39 341 314 311 321 341 333 383 377 389 373 Male NonBlack South age 30-39 325 314 322 319 350 350 356 365 374 372 Female NonBlack South | | | | _ | | | | | | | | | | |
| Male NonBlack South age 10-19 306 305 306 310 309 315 332 331 322 298 Female NonBlack South age 20-29 300 334 363 362 363 376 383 373 349 357 Male NonBlack South age 20-29 283 289 322 363 360 367 365 344 347 352 Female NonBlack South age 30-39 341 314 311 321 341 333 383 377 389 373 Male NonBlack South age 30-39 325 314 322 319 350 350 356 365 374 372 Female NonBlack South age 40-49 309 313 347 327 307 309 302 286 295 290 Male NonBlack South </td <td></td> <td></td> <td></td> <td>-</td> <td></td> | | | | - | | | | | | | | | | |
| Female NonBlack South age 20-29 300 334 363 362 363 376 383 373 349 357 Male NonBlack South age 20-29 283 289 322 363 360 367 365 344 347 352 Female NonBlack South age 30-39 341 311 321 341 333 383 377 389 373 Male NonBlack South age 30-39 325 314 322 319 350 350 356 365 374 372 Female NonBlack South age 40-49 309 313 347 327 307 309 302 286 295 290 Male NonBlack South age 40-49 281 307 317 312 304 292 313 295 271 280 | | | | • | | | | | | | | | | |
| Male NonBlack South age 20-29 283 289 322 363 360 367 365 344 347 352 Female NonBlack South age 30-39 341 314 311 321 341 333 383 377 389 373 Male NonBlack South age 30-39 325 314 322 319 350 350 356 365 374 372 Female NonBlack South age 40-49 309 313 347 327 307 309 302 286 295 290 Male NonBlack South age 40-49 281 307 317 312 304 292 313 295 271 280 | | | | - | | | | | | | | | | |
| Female NonBlack South age 30-39 341 314 311 321 341 333 383 377 389 373 Male NonBlack South age 30-39 325 314 322 319 350 350 356 365 374 372 Female NonBlack South age 40-49 309 313 347 327 307 309 302 286 295 290 Male NonBlack South age 40-49 281 307 317 312 304 292 313 295 271 280 | | | | _ | | | | | | | | | | |
| Male NonBlack South age 30-39 325 314 322 319 350 350 356 365 374 372 Female NonBlack South age 40-49 309 313 347 327 307 309 302 286 295 290 Male NonBlack South age 40-49 281 307 317 312 304 292 313 295 271 280 | | | | _ | | | | | | | | | | |
| Female NonBlack South age 40-49 309 313 347 327 307 309 302 286 295 290 Male NonBlack South age 40-49 281 307 317 312 304 292 313 295 271 280 | | | | _ | | | | | | | | | | |
| Male NonBlack South age 40-49 281 307 317 312 304 292 313 295 271 280 | | | | _ | | | | | | | | | | |
| | | | | _ | | | | | | | | | | |
| Female NonBlack South age 50-59 172 222 241 279 305 294 292 277 264 248 | | | | _ | | | | | | | | | | |
| | Female | NonBlack | South | age 50-59 | 172 | 222 | 241 | 279 | 305 | 294 | 292 | 277 | 264 | 248 |

| Male | NonBlack | South | age 50-59 | 170 | 200 | 227 | 266 | 264 | 268 | 262 | 248 | 259 | 247 |
|--------|----------|-------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Female | NonBlack | South | age 60-69 | 114 | 116 | 113 | 124 | 144 | 175 | 208 | 229 | 235 | 247 |
| Male | NonBlack | South | age 60-69 | 108 | 110 | 116 | 121 | 151 | 166 | 186 | 213 | 226 | 217 |
| Female | NonBlack | South | age 70+ | 149 | 156 | 164 | 167 | 167 | 172 | 179 | 171 | 174 | 172 |
| Male | NonBlack | South | age 70+ | 91 | 107 | 108 | 109 | 112 | 131 | 143 | 141 | 130 | 136 |
| Female | NonBlack | West | age 1-9 | 272 | 288 | 285 | 296 | 306 | 334 | 355 | 400 | 378 | 353 |
| Male | NonBlack | West | age 1-9 | 302 | 293 | 289 | 284 | 294 | 317 | 334 | 345 | 359 | 330 |
| Female | NonBlack | West | age 10-19 | 289 | 328 | 297 | 312 | 314 | 287 | 270 | 282 | 272 | 285 |
| Male | NonBlack | West | age 10-19 | 272 | 288 | 275 | 316 | 307 | 305 | 308 | 290 | 265 | 269 |
| Female | NonBlack | West | age 20-29 | 217 | 251 | 295 | 338 | 361 | 357 | 378 | 375 | 357 | 352 |
| Male | NonBlack | West | age 20-29 | 226 | 266 | 289 | 300 | 311 | 325 | 340 | 342 | 336 | 327 |
| Female | NonBlack | West | age 30-39 | 268 | 253 | 261 | 254 | 252 | 272 | 286 | 320 | 335 | 338 |
| Male | NonBlack | West | age 30-39 | 229 | 240 | 220 | 244 | 258 | 277 | 302 | 309 | 323 | 337 |
| Female | NonBlack | West | age 40-49 | 247 | 275 | 277 | 300 | 279 | 253 | 229 | 230 | 211 | 222 |
| Male | NonBlack | West | age 40-49 | 245 | 252 | 271 | 269 | 245 | 225 | 214 | 202 | 208 | 196 |
| Female | NonBlack | West | age 50-59 | 100 | 127 | 161 | 184 | 217 | 242 | 262 | 255 | 259 | 239 |
| Male | NonBlack | West | age 50-59 | 125 | 150 | 177 | 196 | 224 | 236 | 239 | 232 | 211 | 201 |
| Female | NonBlack | West | age 60-69 | 75 | 77 | 69 | 73 | 77 | 92 | 114 | 141 | 160 | 183 |
| Male | NonBlack | West | age 60-69 | 57 | 58 | 69 | 83 | 86 | 108 | 128 | 151 | 164 | 197 |
| Female | NonBlack | West | age 70+ | 93 | 96 | 97 | 111 | 117 | 107 | 115 | 114 | 117 | 128 |
| Male | NonBlack | West | age 70+ | 64 | 68 | 71 | 80 | 88 | 84 | 101 | 92 | 103 | 101 |

 Table 3. Distribution of PSID Cross-sectional Weights: 1997-2015

| | | | PS | ID | | | CPS | ACS |
|------|-------------|--------|---------|------------------|--------|-------------|---------------------|---------------------|
| Year | | | Cro | oss-sectional We | ight | | March Supplement | One Year PUMS |
| Teal | Sample Size | Mean | Std Dev | Min | Max | Weighted | Population Total | Population Total |
| 1997 | 19,761 | 13,501 | 10,121 | 62 | 68,079 | 266,792,421 | 266,792,407 | |
| 1999 | 20,515 | 13,246 | 9,964 | 32 | 78,034 | 271,742,851 | 271,742,834 | _ |
| 2001 | 21,400 | 13,062 | 10,094 | 34 | 76,156 | 279,517,336 | 279,517,359 | |
| 2003 | 22,290 | 12,828 | 10,099 | 67 | 80,408 | 285,933,473 | 285,933,409 | |
| 2005 | 22,918 | 12,705 | 10,270 | 69 | 67,753 | 291,166,164 | 291,166,198 | Not Used |
| 2007 | 23,501 | 12,630 | 10,293 | 48 | 68,214 | 296,824,059 | 296,824,002 | |
| 2009 | 24,385 | 12,363 | 9,311 | 118 | 53,258 | 301,482,827 | 301,482,827 | _ |
| 2011 | 24,661 | 12,413 | 10,614 | 66 | 88,308 | 306,109,661 | 306,109,661 | |
| 2013 | 24,952 | 12,469 | 10,851 | 45 | 85,742 | 311,116,170 | 311,116,170 | |
| 2015 | 24,637 | 13,046 | 11,756 | 60 | 86,506 | 321,418,821 | 316,167,949 | 321,418,821 |

Table 4. Variable Names for PSID Cross-Sectional Weights

| Year | Weight Variable Name |
|------|----------------------------|
| 1997 | ER33438 |
| 1999 | ER33547 |
| 2001 | ER33639 |
| 2003 | ER33742 |
| 2005 | ER33849 |
| 2007 | ER33951 |
| 2009 | ER34046 |
| 2011 | ER34155 |
| 2013 | ER34269 |
| 2015 | |

Table 5. Comparisons of Age Distributions between CPS, ACS and PSID Cross-Sectional and Longitudinal Individual Weights: 1997-2015

| | CPS | Table o | f Year b | y Age | | ACS Ta | | Table o | of Year by | y Age | | PSII | | of Year b Cross-Se | | _ | with | PSII | D Table o Individ | of Year b ual Long | | _ | with |
|-------|----------|----------|-----------|----------|--------|--------|---------|----------|------------|----------|--------|------|-------|-----------------------|-------|-------|-------|------|----------------------|-----------------------|-------|-------|-------|
| | | | Age | | | | | | Age | | | | | | Age | | | | | | Age | | |
| Year | <=17 | 18-29 | 30-44 | 45-64 | >=65 | Year | <=17 | 18-29 | 30-44 | 45-64 | >=65 | Year | <=17 | 18-29 | 30-44 | 45-64 | >=65 | Year | <=17 | 18-29 | 30-44 | 45-64 | >=65 |
| 1997 | 26.70 | 16.58 | 24.35 | 20.42 | 11.95 | 1997 | | | | | | 1997 | 26.86 | 16.42 | 24.03 | 20.18 | 12.51 | 1997 | 27.17 | 16.50 | 23.48 | 20.17 | 12.68 |
| 1999 | 26.50 | 16.41 | 23.76 | 21.40 | 11.92 | 1999 | | | | | | 1999 | 26.42 | 16.50 | 23.35 | 21.40 | 12.33 | 1999 | 26.01 | 16.71 | 22.69 | 21.71 | 12.88 |
| 2001 | 25.87 | 16.23 | 23.21 | 22.68 | 12.01 | 2001 | | | | | | 2001 | 25.75 | 16.35 | 22.89 | 22.80 | 12.21 | 2001 | 25.03 | 16.73 | 21.98 | 23.49 | 12.77 |
| 2003 | 25.64 | 16.14 | 22.59 | 23.65 | 11.97 | 2003 | | | | | | 2003 | 25.20 | 16.59 | 22.51 | 23.59 | 12.12 | 2003 | 24.16 | 17.73 | 21.37 | 24.28 | 12.46 |
| 2005 | 25.34 | 16.32 | 21.69 | 24.56 | 12.09 | 2005 | | | Not Used | Į. | | 2005 | 25.05 | 16.61 | 21.52 | 24.75 | 12.07 | 2005 | 23.82 | 17.84 | 20.03 | 25.81 | 12.50 |
| 2007 | 24.96 | 16.53 | 20.88 | 25.49 | 12.14 | 2007 | | | | | | 2007 | 24.65 | 16.84 | 20.54 | 25.84 | 12.13 | 2007 | 23.26 | 18.14 | 19.18 | 26.70 | 12.72 |
| 2009 | 24.71 | 16.57 | 20.10 | 26.09 | 12.53 | 2009 | | | | | | 2009 | 24.37 | 16.91 | 19.78 | 27.07 | 11.87 | 2009 | 22.90 | 17.87 | 18.66 | 27.48 | 13.09 |
| 2011 | 24.47 | 16.67 | 19.62 | 26.44 | 12.80 | 2011 | | | | | | 2011 | 24.21 | 16.93 | 19.33 | 27.00 | 12.52 | 2011 | 22.09 | 17.25 | 18.33 | 27.99 | 14.35 |
| 2013 | 23.85 | 16.45 | 19.46 | 26.34 | 13.91 | 2013 | | | | | | 2013 | 23.71 | 16.58 | 19.35 | 26.66 | 13.70 | 2013 | 21.87 | 16.78 | 18.42 | 27.25 | 15.69 |
| 2015 | 23.38 | 16.44 | 19.31 | 26.32 | 14.55 | 2015 | 22.88 | 16.67 | 19.47 | 26.13 | 14.85 | 2015 | 22.82 | 16.73 | 19.36 | 26.16 | 14.93 | 2015 | 21.07 | 16.15 | 18.33 | 26.93 | 17.52 |
| Ratio | PSID wi | ith Cros | s Section | al Weigh | ht/CPS | Ratio | PSID wi | ith Cros | s Section | al Weigl | ht/ACS | | | | | | | | | | | | |
| | | | Age | | | | | | Age | | | | | | | | | | | | | | |
| Year | <=17 | 18-29 | 30-44 | 45-64 | >=65 | Year | <=17 | 18-29 | 30-44 | 45-64 | >=65 | | | | | | | | | | | | |
| 1997 | 1.01 | 0.99 | 0.99 | 0.99 | 1.05 | 1997 | | | | | | | | | | | | | | | | | |
| 1999 | 1.00 | 1.01 | 0.98 | 1.00 | 1.03 | 1999 | | | | | | | | | | | | | | | | | |
| 2001 | 1.00 | 1.01 | 0.99 | 1.01 | 1.02 | 2001 | | | | | | | | | | | | | | | | | |
| 2003 | 0.98 | 1.03 | 1.00 | 1.00 | 1.01 | 2003 | | | | | | | | | | | | | | | | | |
| 2005 | 0.99 | 1.02 | 0.99 | 1.01 | 1.00 | 2005 | | | Not Used | l | | | | | | | | | | | | | |
| 2007 | 0.99 | 1.02 | 0.98 | 1.01 | 1.00 | 2007 | | | | | | | | | | | | | | | | | |
| 2009 | 0.99 | 1.02 | 0.98 | 1.04 | 0.95 | 2009 | | | | | | | | | | | | | | | | | |
| 2011 | 0.99 | 1.02 | 0.99 | 1.02 | 0.98 | 2011 | | | | | | | | | | | | | | | | | |
| 2013 | 0.99 | 1.01 | 0.99 | 1.01 | 0.98 | 2013 | 4.00 | 4.00 | 0.00 | | 4.04 | | | | | | | | | | | | |
| 2015 | 0.98 | 1.02 | 1.00 | 0.99 | 1.03 | 2015 | 1.00 | 1.00 | 0.99 | 1.00 | 1.01 | | | | | | | | | | | | |
| Rati | o PSID v | with Lon | gitudina | l Weight | CPS | Ratio | PSID v | vith Lor | ngitudinal | Weight | t/ACS | | | | | | | | | | | | |
| | | | Age | | | | | | Age | | | | | | | | | | | | | | |
| Year | <=17 | 18-29 | 30-44 | 45-64 | >=65 | Year | <=17 | 18-29 | 30-44 | 45-64 | >=65 | | | | | | | | | | | | |
| 1997 | 1.02 | 1.00 | 0.96 | 0.99 | 1.06 | 1997 | | | | | | | | | | | | | | | | | |
| 1999 | 0.98 | 1.02 | 0.95 | 1.01 | 1.08 | 1999 | | | | | | | | | | | | | | | | | |
| 2001 | 0.97 | 1.03 | 0.95 | 1.04 | 1.06 | 2001 | | | | | | | | | | | | | | | | | |
| 2003 | 0.94 | 1.10 | 0.95 | 1.03 | 1.04 | 2003 | | | NT 4 TT - | ı | | | | | | | | | | | | | |
| 2005 | 0.94 | 1.09 | 0.92 | 1.05 | 1.03 | 2005 | | | Not Used | l | | | | | | | | | | | | | |
| 2007 | 0.93 | 1.10 | 0.92 | 1.05 | 1.05 | 2007 | | | | | | | | | | | | | | | | | |
| 2009 | 0.93 | 1.08 | 0.93 | 1.05 | 1.04 | 2009 | | | | | | | | | | | | | | | | | |
| 2011 | 0.90 | 1.03 | 0.93 | 1.06 | 1.12 | 2011 | | | | | | | | | | | | | | | | | |
| 2013 | 0.92 | 1.02 | 0.95 | 1.03 | 1.13 | 2013 | 0.02 | 0.07 | 0.04 | 1.02 | 1.10 | | | | | | | | | | | | |
| 2015 | 0.90 | 0.98 | 0.95 | 1.02 | 1.20 | 2015 | 0.92 | 0.97 | 0.94 | 1.03 | 1.18 | | | | | | | | | | | | |

Table 6. Comparisons of Gender Distributions between CPS, ACS and PSID Cross-Sectional and Longitudinal Weights: 1997-2015

| I abic 0. | | on Genuer | Distribution | is between | i Ci D, ACD ai | | 35-SCCHOHA | and Longiti | uumai vielgi | 1163. 1 <i>771-2</i> 1 | 010 |
|-----------|----------------------------|-----------|--------------|---------------------------|----------------|------|-----------------------------------|-------------|--------------|-----------------------------------|--------|
| CP | S Table of Yes | ar by Sex | AC | S Table of Ye | ar by Sex | | e of Year by Se D Cross-Sectio | | | e of Year by So ndividual Long | , 0 |
| Year | Male | Female | Year | Male | Female | Year | Male | Female | Year | Male | Female |
| 1997 | 48.97 | 51.03 | 1997 | | | 1997 | 48.97 | 51.03 | 1997 | 48.03 | 51.97 |
| 1999 | 48.86 | 51.14 | 1999 | | | 1999 | 48.86 | 51.14 | 1999 | 48.15 | 51.85 |
| 2001 | 48.86 | 51.14 | 2001 | | | 2001 | 48.86 | 51.14 | 2001 | 48.08 | 51.92 |
| 2003 | 48.92 | 51.08 | 2003 | | | 2003 | 48.92 | 51.08 | 2003 | 48.18 | 51.82 |
| 2005 | 49.03 | 50.97 | 2005 | No | ot Used | 2005 | 49.03 | 50.97 | 2005 | 48.23 | 51.77 |
| 2007 | 49.08 | 50.92 | 2007 | | | 2007 | 49.08 | 50.92 | 2007 | 48.58 | 51.42 |
| 2009 | 49.12 | 50.88 | 2009 | | | 2009 | 49.12 | 50.88 | 2009 | 48.42 | 51.58 |
| 2011 | 49.21 | 50.79 | 2011 | | | 2011 | 49.21 | 50.79 | 2011 | 48.74 | 51.26 |
| 2013 | 48.96 | 51.04 | 2013 | | | 2013 | 48.96 | 51.04 | 2013 | 48.83 | 51.17 |
| 2015 | 48.97 | 51.03 | 2015 | 49.20 | 50.80 | 2015 | 49.20 | 50.80 | 2015 | 48.70 | 51.30 |
| Ratio l | PSID with Cro Weight/Cl | | Ratio I | PSID with Cro Weight/A | | | | | | | |
| Year | Male | Female | Year | Male | Female | | | | | | |
| 1997 | 1.00 | 1.00 | 1997 | | | | | | | | |
| 1999 | 1.00 | 1.00 | 1999 | | | | | | | | |
| 2001 | 1.00 | 1.00 | 2001 | | | | | | | | |
| 2003 | 1.00 | 1.00 | 2003 | | | | | | | | |
| 2005 | 1.00 | 1.00 | 2005 | No | ot Used | | | | | | |
| 2007 | 1.00 | 1.00 | 2007 | | | | | | | | |
| 2009 | 1.00 | 1.00 | 2009 | | | | | | | | |
| 2011 | 1.00 | 1.00 | 2011 | | | | | | | | |
| 2013 | 1.00 | 1.00 | 2013 | | | | | | | | |
| 2015 | 1.00 | 1.00 | 2015 | 1.00 | 1.00 | | | | | | |
| Ratio | PSID with Lo Weight/Cl | | Ratio | PSID with Lo | | | | | | | |
| Year | Male | Female | Year | Male | Female | | | | | | |
| 1997 | 0.98 | 1.02 | 1997 | | | | | | | | |
| 1999 | 0.99 | 1.01 | 1999 | | | | | | | | |
| 2001 | 0.98 | 1.02 | 2001 | | | | | | | | |
| 2003 | 0.98 | 1.01 | 2003 | | | | | | | | |
| 2005 | 0.98 | 1.02 | 2005 | No | ot Used | | | | | | |
| 2007 | 0.99 | 1.01 | 2007 | | | | | | | | |
| 2009 | 0.99 | 1.01 | 2009 | | | | | | | | |
| 2011 | 0.99 | 1.01 | 2011 | | | | | | | | |
| 2013 | 1.00 | 1.00 | 2013 | | | | | | | | |
| 2015 | 0.99 | 1.01 | 2015 | 0.99 | 1.01 | | | | | | |
| | | | | | | | | | | | |

Table 7. Comparisons of Race Distributions between CPS, ACS and PSID Cross-Sectional and Longitudinal Weights: 1997-2015

| CPS | S Table of Year by | Race | AC | S Table of Year by | Race | | · | ear by Race, Weighted oss-Sectional Weight PSID Table of Year by Race, Weighte with Individual Longitudinal | | | | |
|------|--------------------|-------|------|--------------------|-------|------|-----------|--|------|-----------|-------|--|
| Year | Non-Black | Black | Year | Non-Black | Black | Year | Non-Black | Black | Year | Non-Black | Black | |
| 1997 | 87.17 | 12.83 | 1997 | | | 1997 | 87.17 | 12.83 | 1997 | 86.62 | 13.38 | |
| 1999 | 87.09 | 12.91 | 1999 | | | 1999 | 87.09 | 12.91 | 1999 | 86.73 | 13.27 | |
| 2001 | 87.26 | 12.74 | 2001 | | | 2001 | 87.26 | 12.74 | 2001 | 86.52 | 13.48 | |
| 2003 | 87.48 | 12.52 | 2003 | | | 2003 | 87.48 | 12.52 | 2003 | 86.21 | 13.79 | |
| 2005 | 87.45 | 12.55 | 2005 | Not Use | d | 2005 | 87.45 | 12.55 | 2005 | 85.94 | 14.06 | |
| 2007 | 87.41 | 12.59 | 2007 | | | 2007 | 87.41 | 12.59 | 2007 | 85.88 | 14.12 | |
| 2009 | 86.67 | 13.33 | 2009 | | | 2009 | 86.67 | 13.33 | 2009 | 85.18 | 14.82 | |
| 2011 | 86.43 | 13.57 | 2011 | | | 2011 | 86.43 | 13.57 | 2011 | 85.18 | 14.82 | |
| 2013 | 85.95 | 14.05 | 2013 | | | 2013 | 85.95 | 14.05 | 2013 | 84.79 | 15.21 | |
| 2015 | 85.87 | 14.13 | 2015 | 86.10 | 13.90 | 2015 | 86.10 | 13.90 | 2015 | 84.85 | 15.15 | |

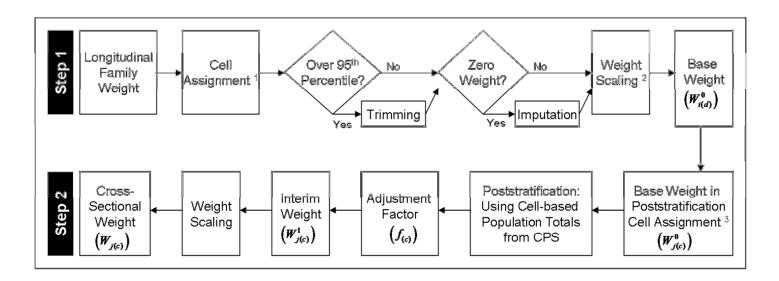
| Ratio | PSID with Cross S Weight/CPS | ectional | Ratio | PSID with Cross Se Weight/ACS | ctional |
|-------|---------------------------------|----------|-------|----------------------------------|---------|
| Year | Non-Black | Black | Year | Non-Black | Black |
| 1997 | 1.00 | 1.00 | 1997 | | |
| 1999 | 1.00 | 1.00 | 1999 | | |
| 2001 | 1.00 | 1.00 | 2001 | | |
| 2003 | 1.00 | 1.00 | 2003 | | |
| 2005 | 1.00 | 1.00 | 2005 | Not Used | |
| 2007 | 1.00 | 1.00 | 2007 | | |
| 2009 | 1.00 | 1.00 | 2009 | | |
| 2011 | 1.00 | 1.00 | 2011 | | |
| 2013 | 1.00 | 1.00 | 2013 | | |
| 2015 | 1.00 | 0.98 | 2015 | 1.00 | 1.00 |

| Ratio | o PSID with Longit Weight/CPS | udinal | Ratio | o PSID with Longitu Weight/ACS | udinal |
|-------|----------------------------------|--------|-------|-----------------------------------|--------|
| Year | Non-Black | Black | Year | Non-Black | Black |
| 1997 | 0.99 | 1.04 | 1997 | | |
| 1999 | 1.00 | 1.03 | 1999 | | |
| 2001 | 0.99 | 1.06 | 2001 | | |
| 2003 | 0.99 | 1.10 | 2003 | | |
| 2005 | 0.98 | 1.12 | 2005 | Not Used | l |
| 2007 | 0.98 | 1.12 | 2007 | | |
| 2009 | 0.98 | 1.11 | 2009 | | |
| 2011 | 0.99 | 1.09 | 2011 | | |
| 2013 | 0.99 | 1.08 | 2013 | | |
| 2015 | 0.99 | 1.07 | 2015 | 0.99 | 1.09 |

Table 8. Comparisons of Region Distributions between CPS, ACS and PSID Cross-Sectional and Longitudinal Weights: 1997-2015

| 1997 19.32 23.27 34.98 22.43 1997 20.14 27.66 31.23 2 1999 19.09 23.29 34.92 22.70 1999 19.09 23.29 34.92 22.70 1999 19.12 27.51 31.75 2 2001 18.98 22.76 35.57 22.69 2001 18.98 22.76 35.57 22.69 2001 19.30 27.49 31.69 2 2003 18.93 22.59 35.60 22.88 2003 18.93 22.59 35.60 22.88 2003 18.86 26.93 31.96 2 2005 18.55 22.28 36.09 23.09 2005 Not Used 2005 18.55 22.28 36.09 23.09 2005 18.02 27.27 32.68 2 2007 18.24 22.06 36.40 23.30 2007 18.24 22.06 36.40 23.30 2007 18.26 26.63 32.88 2 2011 17.90 21.78 36.77 23.48 2009 | d with | ion, Weight linal Weight | | | | ted with | | | | | | by Region | ole of Year | ACS Tak | | | by Region | le of Year | CPS Tab | |
|--|--------|-----------------------------|-------|-------|------|----------|-------|-------|-------|------|---------|-------------|-------------|-----------|---------|---------|-------------|------------|-----------|---------|
| 1999 19.09 23.29 34.92 22.70 1999 19.09 23.29 34.92 22.70 1999 19.12 27.51 31.75 2 2001 18.98 22.76 35.57 22.69 2001 2003 18.98 22.76 35.57 22.69 2001 2003 18.98 22.59 35.60 22.88 2003 2005 18.55 22.28 36.09 22.88 36.09 23.39 2005 18.55 22.28 36.09 23.39 2005 18.55 22.28 36.09 23.39 2005 18.50 22.88 2009 19.12 27.51 31.75 22.00 2005 18.55 22.28 36.09 23.09 2005 18.00 27.27 32.68 2007 18.24 22.06 36.40 23.30 2007 21.78 36.77 23.48 2009 21.78 36.77 23.48 2009 23.59 2005 20.50 | West | South | MW | NE | Year | West | South | MW | NE | Year | West | South | MW | NE | Year | West | South | MW | NE | Year |
| 2001 18.98 22.76 35.57 22.69 2001 22.88 2003 2003 18.93 22.59 35.60 22.88 2003 31.96 22.005 31.95 22.28 35.60 22.88 2003 31.96 22.005 31.95 22.28 35.60 22.88 2003 31.96 22.005 31.96 | 20.97 | 31.23 | 27.66 | 20.14 | 1997 | 22.43 | 34.98 | 23.27 | 19.32 | 1997 | | | | | 1997 | 22.43 | 34.98 | 23.27 | 19.32 | 1997 |
| 2003 18.93 22.59 35.60 22.88 2003 2005 Not Used 2005 18.55 22.28 36.09 23.09 2005 18.06 22.88 2003 18.86 26.93 31.96 22.005 18.55 22.28 36.09 23.09 2005 18.02 27.27 32.68 22.007 18.24 22.06 36.40 23.30 2007 18.26 26.63 32.88 2009 17.97 21.78 36.77 23.48 2009 2011 17.90 21.59 37.00 23.50 2011 2011 17.90 21.60 37.00 23.50 2011 2011 2011 2013 21.72 21.35 37.33 23.60 2013 21.73 23.48 2009 2015 17.51 21.13 37.70 23.66 2015 16.88 26.01 33.60 2015 201 | 21.62 | 31.75 | 27.51 | 19.12 | 1999 | 22.70 | 34.92 | 23.29 | 19.09 | 1999 | | | | | 1999 | 22.70 | 34.92 | 23.29 | 19.09 | 1999 |
| 2005 18.55 22.28 36.09 23.09 2005 Not Used 2005 18.55 22.28 36.09 23.09 2005 18.02 27.27 32.68 2 2007 18.24 22.06 36.40 23.30 2007 18.26 26.63 32.88 2 2009 17.97 21.78 36.77 23.48 2009 17.97 21.78 36.77 23.48 2009 17.97 21.78 36.77 23.48 2009 17.97 21.78 36.77 23.48 2009 17.97 21.78 36.77 23.48 2009 17.97 21.78 36.77 23.48 2009 17.97 21.78 36.77 23.48 2009 17.97 21.78 36.77 23.48 2009 17.97 21.78 36.77 23.48 2009 17.97 21.78 36.77 23.48 2009 17.97 21.78 36.77 23.48 2009 17.97 21.78 36.77 23.48 2009 17.97 21.78 36.77 23.48 2009 17.97 21.78 36.77 23.48 2009 17.97 21.78 36.77 23.48 2009 17.97 21.78 36.77 23.48 2009 17.97 21.78 36.77 23.48 2009 17.97 23.48 2009 17.97 24.78 23.48 2009 17.97 24.78 23.48 2009 17.97 24.78 23.48 2009 17.97 24.78 23.48 2009 17.97 23.48 2009 17.97 24.78 23.48 2009 17.97 23.48 2009 17.97 24.78 23.48 2009 17.97 23.48 2009 17.97 24.78 23.48 2009 17.97 23.68 2009 17.97 23.48 2009 17.97 23.48 2009 17.97 23.48 2009 17.97 23.48 2009 17.97 23.48 2009 17.97 23.48 2009 17.97 23.48 20.09 23.48 20.09 23.48 20.09 23.48 20.09 23.48 20.09 23.48 20.09 23 | 21.52 | 31.69 | 27.49 | 19.30 | 2001 | 22.69 | 35.57 | 22.76 | 18.98 | 2001 | | | | | 2001 | 22.69 | 35.57 | 22.76 | 18.98 | 2001 |
| 2007 18.24 22.06 36.40 23.30 2007 | 22.26 | 31.96 | 26.93 | 18.86 | 2003 | 22.88 | 35.60 | 22.59 | 18.93 | 2003 | | | | | 2003 | 22.88 | 35.60 | 22.59 | 18.93 | 2003 |
| 2009 17.97 21.78 36.77 23.48 2009 23.50 2011 2011 17.90 21.59 37.00 23.50 2011 17.44 26.28 33.24 22013 17.72 21.35 37.33 23.60 2013 23.50 | 22.02 | 32.68 | 27.27 | 18.02 | 2005 | 23.09 | 36.09 | 22.28 | 18.55 | 2005 | | Used | Not | | 2005 | 23.09 | 36.09 | 22.28 | 18.55 | 2005 |
| 2011 17.90 21.59 37.00 23.50 2011 | 22.23 | 32.88 | 26.63 | 18.26 | 2007 | 23.30 | 36.40 | 22.06 | 18.24 | 2007 | | | | | 2007 | 23.30 | 36.40 | 22.06 | 18.24 | 2007 |
| 2013 17.72 21.35 37.33 23.60 2013 23.60 2013 17.72 21.35 37.33 23.60 2013 17.37 25.97 33.38 22 2015 17.64 21.27 37.43 23.67 2015 17.51 21.13 37.70 23.66 2015 17.51 21.13 37.70 23.66 2015 16.88 26.01 33.60 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 23.07 | 33.24 | 26.28 | 17.41 | 2009 | 23.48 | 36.77 | 21.78 | 17.97 | 2009 | | | | | 2009 | 23.48 | 36.77 | 21.78 | 17.97 | 2009 |
| Ratio PSID with Cross Sectional Weight/CPS Ratio PSID with Cross Sectional Weight/ACS Year NE MW South West Year NE MW South West 1997 1.00 | 23.16 | 33.40 | 26.01 | 17.44 | 2011 | 23.50 | 37.00 | 21.60 | 17.90 | 2011 | | | | | 2011 | 23.50 | 37.00 | 21.59 | 17.90 | 2011 |
| Ratio PSID with Cross Sectional Weight/CPS Ratio PSID with Cross Sectional Weight/ACS Year NE MW South West Year NE MW South West 1997 1.00 1.00 1.00 1.00 1.00 1.00 1.999 2001 1.00 1.00 1.00 2001 2001 2003 1.00 1.00 1.00 2003 Not Used 2005 1.00 1.00 1.00 2007 Not Used 2009 1.00 1.00 1.00 2009 2011 1.00 1.00 1.00 2011 2013 1.00 1.00 1.00 2013 | 23.28 | 33.38 | 25.97 | 17.37 | 2013 | 23.60 | 37.33 | 21.35 | 17.72 | 2013 | | | | | 2013 | 23.60 | 37.33 | 21.35 | 17.72 | 2013 |
| Year NE MW South West Year NE MW South West 1997 1.00 <th>23.51</th> <th>33.60</th> <th>26.01</th> <th>16.88</th> <th>2015</th> <th>23.66</th> <th>37.70</th> <th>21.13</th> <th>17.51</th> <th>2015</th> <th>23.66</th> <th>37.70</th> <th>21.13</th> <th>17.51</th> <th>2015</th> <th>23.67</th> <th>37.43</th> <th>21.27</th> <th>17.64</th> <th>2015</th> | 23.51 | 33.60 | 26.01 | 16.88 | 2015 | 23.66 | 37.70 | 21.13 | 17.51 | 2015 | 23.66 | 37.70 | 21.13 | 17.51 | 2015 | 23.67 | 37.43 | 21.27 | 17.64 | 2015 |
| 1997 1.00 1.00 1.00 1.00 1997 1999 1.00 1.00 1.00 1.00 1.00 1.00 1.00 2001 1.00 1.00 1.00 1.00 2001 1.00 < | | | | | | | | | | | ght/ACS | tional Weig | Cross Sec | PSID with | Ratio I | ght/CPS | tional Weig | Cross Sec | PSID with | Ratio I |
| 1999 1.00 1.00 1.00 1.00 1999 2001 1.00 1.00 1.00 2001 2003 1.00 1.00 1.00 2003 2005 1.00 1.00 1.00 2005 Not Used 2007 1.00 1.00 1.00 2007 2009 1.00 1.00 1.00 2009 2011 1.00 1.00 1.00 2011 2013 1.00 1.00 1.00 2013 | | | | | | | | | | | West | South | MW | NE | Year | West | South | MW | NE | Year |
| 2001 1.00 1.00 1.00 2001 2003 1.00 1.00 1.00 2003 2005 1.00 1.00 1.00 2005 Not Used 2007 1.00 1.00 1.00 2007 2009 1.00 1.00 1.00 2009 2011 1.00 1.00 1.00 2011 2013 1.00 1.00 1.00 2013 | | | | | | | | | | | | | | | 1997 | 1.00 | 1.00 | 1.00 | 1.00 | 1997 |
| 2003 1.00 1.00 1.00 2003 2005 1.00 1.00 1.00 2005 Not Used 2007 1.00 1.00 1.00 2007 2009 1.00 1.00 1.00 2009 2011 1.00 1.00 1.00 2011 2013 1.00 1.00 1.00 2013 | | | | | | | | | | | | | | | 1999 | 1.00 | 1.00 | 1.00 | 1.00 | 1999 |
| 2005 1.00 1.00 1.00 2005 Not Used 2007 1.00 1.00 1.00 2007 2009 1.00 1.00 1.00 2009 2011 1.00 1.00 1.00 2011 2013 1.00 1.00 1.00 2013 | | | | | | | | | | | | | | | 2001 | 1.00 | 1.00 | 1.00 | 1.00 | 2001 |
| 2007 1.00 1.00 1.00 2007 2009 1.00 1.00 1.00 2009 2011 1.00 1.00 1.00 2011 2013 1.00 1.00 1.00 2013 | | | | | | | | | | | | | | | 2003 | 1.00 | 1.00 | 1.00 | 1.00 | 2003 |
| 2009 1.00 1.00 1.00 2009 2011 1.00 1.00 1.00 2011 2013 1.00 1.00 1.00 2013 | | | | | | | | | | | | Used | Not | | 2005 | 1.00 | 1.00 | 1.00 | 1.00 | 2005 |
| 2011 1.00 1.00 1.00 2011 2013 1.00 1.00 1.00 2013 | | | | | | | | | | | | | | | 2007 | 1.00 | 1.00 | 1.00 | 1.00 | 2007 |
| 2013 1.00 1.00 1.00 2013 | | | | | | | | | | | | | | | 2009 | 1.00 | 1.00 | 1.00 | 1.00 | 2009 |
| | | | | | | | | | | | | | | | 2011 | 1.00 | 1.00 | 1.00 | 1.00 | 2011 |
| 2015 0.99 0.99 1.01 1.00 2015 1.00 1.00 1.00 1.00 | | | | | | | | | | | | | | | 2013 | 1.00 | 1.00 | 1.00 | 1.00 | 2013 |
| | | | | | | | | | | | 1.00 | 1.00 | 1.00 | 1.00 | 2015 | 1.00 | 1.01 | 0.99 | 0.99 | 2015 |
| Ratio PSID with Longitudinal Weight/CPS Ratio PSID with Longitudinal Weight/ACS | | | | | | | | | | | nt/ACS | linal Weigh | h Longitud | PSID with | Ratio | nt/CPS | linal Weigh | n Longitud | PSID with | Ratio |
| Year NE MW South West Year NE MW South West | | | | | | | | | | | | U | | | | | U | _ | | |
| 1997 1.04 1.19 0.89 0.93 1997 | | | | | | | | | | | | | | | 1997 | 0.93 | 0.89 | 1.19 | 1.04 | 1997 |
| 1999 1.00 1.18 0.91 0.95 1999 | | | | | | | | | | | | | | | 1999 | 0.95 | 0.91 | 1.18 | 1.00 | 1999 |
| 2001 1.02 1.21 0.89 0.95 2001 | | | | | | | | | | | | | | | 2001 | 0.95 | 0.89 | 1.21 | 1.02 | 2001 |
| 2003 1.00 1.19 0.90 0.97 2003 | | | | | | | | | | | | | | | 2003 | 0.97 | 0.90 | 1.19 | 1.00 | 2003 |
| 2005 0.97 1.22 0.91 0.95 2005 Not Used | | | | | | | | | | | | Used | Not | | 2005 | 0.95 | 0.91 | 1.22 | 0.97 | 2005 |
| 2007 1.00 1.21 0.90 0.95 2007 | | | | | | | | | | | | | | | 2007 | 0.95 | 0.90 | 1.21 | 1.00 | 2007 |
| 2009 0.97 1.21 0.90 0.98 2009 | | | | | | | | | | | | | | | 2009 | 0.98 | 0.90 | | 0.97 | |
| 2011 0.97 1.20 0.90 0.99 2011 | | | | | | | | | | | | | | | 2011 | 0.99 | 0.90 | 1.20 | 0.97 | 2011 |
| 2013 0.98 1.22 0.89 0.99 2013 | | | | | | | | | | | | | | | 2013 | 0.99 | 0.89 | 1.22 | 0.98 | 2013 |
| 2015 0.96 1.22 0.90 0.99 2015 0.96 1.23 0.89 0.99 | | | | | | | | | | | 0.99 | 0.89 | 1.23 | 0.96 | | | 0.90 | | 0.96 | |

Figure 1. Construction of PSID Cross-Sectional Individual Weights: 1997-2015



- 1. PSID sample type, age and race of household head and region were crossed to form the cells.
- 2. Weights were rescaled to match the sum of the trimmed and imputed weights in each cell to the sum of original weights within the corresponding cell.
- 3. Age and gender of persons, race of household head and region were crossed to form the cells.