Appendix A: 95% confidence intervals for the ASEC and SIPP Counts in Table 1, Table 2, and Table 3

Table A.1: Estimated lower and upper bounds at 95% confidence level for counts in Table 1

| Number of Couples | 2014 SIPP | 2018 SIPP | 2017 ASEC |
|-------------------|-----------|-----------|-----------|
|                   | LB        | UB        | LB        | UB        | LB        | UB        |
| Opposite-sex      |           |           |           |           |           |           |
|                   | (1)       | (2)       | (3)       | (4)       | (5)       | (6)       |
| Couples           |           |           |           |           |           |           |
| 0                 | 55,272,903 | 57,257,086 |           |           |           |           |
| 1                 | 67,607,497 | 68,812,391 |           |           |           |           |
| 2+                | 1,085,461  | 1,387,262  |           |           |           |           |
| Married           | 58,550,447 | 59,864,049 | 142,372   | 287,476   | 700,310   | 730,758   |
| Unmarried         | 7,788,320  | 8,556,157  |           |           |           |           |
| Both              | 650,463    | 865,241    | 0         | 7,663     | 0         | 21,582    |
| Married           | 40,770     | 108,907    | 500,310   | 730,758   |           |           |
| Unmarried         | 290,393    | 473,233    | 0         | 21,582    |           |           |
| Married           | 2,650,463  | 4,241,146  | 0         | 1,387,262 | 1,085,461 | 0         |
| Unmarried         | 459,378    | 928,758    | 459,378   | 928,758   | 0         | 21,582    |
| Both              | 2,903,938  | 4,732,333  | 0         | 21,582    |           |           |

Sources: 2014 and 2018 SIPP Panels, Wave 1; 2017 ASEC Research File.
Notes: ‘a’—household contains couple(s) of this type only (e.g., opposite-sex couple(s) only); ‘b’—household contains both opposite- and same-sex couples (multi-couple households); ‘c’—household contains both married and unmarried couples (multi-couple households). Sample sizes: 2014 SIPP—29,611; 2018 SIPP—26,153; 2017 ASEC—69,733. See Table 1 for the point estimates. Standard errors and bounds are estimated using replicate weights. Standard errors are available upon request.

Table A.2: Estimated lower and upper bounds at 95% confidence level for counts in Table 2

| HRM + Type 2 Persons | 2014 SIPP | 2018 SIPP | 2017 ASEC |
|-----------------------|-----------|-----------|-----------|
|                       | LB        | UB        | LB        | UB        | LB        | UB        |
| HRM only              |           |           |           |           |           |           |
| Married               | 696,229   | 964,687   | 921,406   | 1,226,969 | 998,307   | 1,205,003 |
| Unmarried             | 142,372   | 287,476   | 459,101   | 684,835   | 392,420   | 612,018   |
| HR only               | 500,310   | 730,758   | 60,995,978| 61,994,055| 384,978   | 516,060   |
| Married               | 659,361   | 915,269   | 717,445   | 987,723   | 571,902   | 730,370   |
| Unmarried             | 163,477   | 252,833   | 30,338    | 71,777    | 12,113    | 37,823    |
| HR only               | 163,477   | 252,833   | 30,338    | 71,777    | 12,113    | 37,823    |
| Married               | 1,201,635 | 1,987,269 | 1,126,350 | 2,448,618 | 1,205,003 | 2,448,618 |
| Unmarried             | 2,338     | 40,587    | 3,153     | 40,587    | 3,153     | 40,587    |

Sources: 2014 and 2018 SIPP Panels, Wave 1; 2017 ASEC Research File.
Notes: ‘HR only’—Household roster only, ‘HRM only’—Household relationship matrix only. See Table 2 for the point estimates. Standard errors and bounds are estimated using replicate weights. Standard errors are available upon request.
Table A.3: Estimated lower and upper bounds at 95% confidence level for counts in Table 3

|                      | 2014 SIPP |            | 2018 SIPP |            | 2017 ASEC |            |
|----------------------|-----------|------------|-----------|------------|-----------|------------|
|                      | LB        | UB         | LB        | UB         | LB        | UB         |
| HRM + Type 2 Persons | 696,229   | 964,687    | 921,406   | 1,226,969  | 998,307   | 1,205,003  |
| Male-to-male         | 245,842   | 405,140    | 441,351   | 660,501    | 422,579   | 546,713    |
| Female-to-female     | 398,612   | 611,322    | 421,933   | 624,590    | 537,468   | 696,549    |
| HRM only             | 659,361   | 915,269    | 824,090   | 1,126,350  | 962,018   | 1,164,911  |
| Male-to-male         | 241,455   | 400,874    | 413,544   | 630,249    | 407,448   | 532,242    |
| Female-to-female     | 363,518   | 568,783    | 352,548   | 554,099    |           |            |
| HR + Type 2 Persons  | 684,975   | 948,028    | 891,890   | 1,192,700  | 407,448   | 532,242    |
| Male-to-male         | 245,842   | 405,140    | 425,991   | 610,417    |           |            |
| Female-to-female     | 385,797   | 596,224    | 406,198   | 670,767    |           |            |
| HR only              | 654,028   | 909,131    | 803,385   | 1,103,528  |           |            |
| Male-to-male         | 241,455   | 400,874    | 404,018   | 619,830    |           |            |
| Female-to-female     | 358,172   | 562,658    | 340,243   | 542,821    |           |            |

Sources: 2014 and 2018 SIPP Panels, Wave 1; 2017 ASEC Research File.
Notes: ‘HR only’—Household roster only, ‘HRM only’—Household relationship matrix only. See Table 3 for the point estimates. Standard errors and bounds are estimated using replicate weights. Standard errors are available upon request.

Appendix B: Household classification and sample selection criteria

In Table B.1 we specify our household classification scheme. Fourteen detailed categories partition all households into mutually exclusive groups, leaving no household unclassified. The categories are self-explanatory with a possible exception in the case of the last one—opposite- and same-sex, married and unmarried. This is a residual category for households with two or more couples. The prototypical household in this category contains an older opposite-sex married couple and a younger same-sex cohabiting couple, whose one partner is an adult child of the older couple. The key for this category is the simultaneous presence of married and unmarried as well as opposite- and same-sex couples.

As the table shows, the scheme builds on two basic characteristics of household composition: number of couples in household and their types (married or unmarried and opposite- or same-sex). At any point in time these two characteristics assign a given household to exactly one category, thus strictly precluding the possibility of double- or under-counting. In the case of the longitudinal SIPP panels, we classify the households in every month of the reference period. A small number of households—802 in the 2014 SIPP and 680 in the 2018 SIPP—migrate from one classification category to another. We handle these cases by prorating their household calendar weight in proportion to the number months they are assigned to the relevant categories.

We take considerable effort to rigorously cross-check and validate data relating to couples and households. After identification of all couples, we ensure that both partners report the same type of relationship and list each other as their respective partners. Next, we exclude couples from the sample in the following cases: (1) couples which are constituted by a respondent who claims more than one partner simultaneously; (2) sex reported by each partner is inconsistent with the reported type of relationship; (3) couples with statistically imputed marital status (we retain couples with logically imputed marital status); (4) same-sex married couples claiming marriage prior to 2004, (when the state of Massachusetts granted the right to marry to same-sex couples); (5) either partner is under 18 years of age.

Since the 2017 ASEC Research file was an experimental data, variables with imputation information were omitted from the public release. Unlike the SIPP, it also did not ascertain the year of marriage for those currently married.

Table B.1: Classification scheme of households by number couples and their type

| Number of couples | Marital status and sex | Marital status and sex | Marital status and sex |
|-------------------|------------------------|------------------------|------------------------|
| 0                 | No couple              | —                      | —                      |
| 1                 | Opposite-sex, married  | Same-sex, married      | —                      |
|                   | Opposite-sex, unmarried| Same-sex, unmarried    | —                      |
| 2+                | Opposite-sex, married only | Same-sex, married only | Opposite- & same-sex, married only |
|                   | Opposite-sex, unmarried only | Same-sex, unmarried only | Opposite- & same-sex, unmarried only |
|                   | Opposite-sex, married & unmarried | Same-sex, married & unmarried | Opposite- & same-sex, married & unmarried |
## Table B.2: Sample counts of couples and households after exclusion

### Panel A: Couples

|                      | 2014 SIPP | 2014 SIPP | 2017 ASEC | 2017 ASEC |
|----------------------|-----------|-----------|-----------|-----------|
|                      | Opposite-sex | Same-sex | Opposite-sex | Same-sex | Opposite-sex | Same-sex |
| Initial count        | 14,426    | 206       | 14,759    | 239       | 41,022       | 634       |
| Shared partner       | 38        | 2         | 2         | 4         | —            | —         |
| Inconsistent sex     | 10        | 2         | —         | —         | —            | —         |
| Imputed sex          | 3         | 2         | —         | 4         | —            | —         |
| Imputed marital status | 1       | —         | 1         | —         | —            | —         |
| Marriage before 2004 | —         | 10        | —         | 12        | —            | —         |
| Age below 18         | 15        | 2         | 9         | 1         | 27           | 2         |
| Valid couples        | 16,359    | 188       | 17,747    | 218       | 40,995       | 632       |
| Valid couples in one-couple households | 181 | 210 | 611 |

### Panel B: Households

|                      | 2014 SIPP | 2018 SIPP | 2017 ASEC |
|----------------------|-----------|-----------|-----------|
| Initial count        | 29,685    | 26,215    | 69,957    |
| With invalid couples | 51        | 20        | 20        |
| Missing replicate weight | 23    | 42        | —         |
| Non-civilian household/group quarters | — | — | 204 |
| Valid households     | 29,611    | 26,153    | 69,733    |

Sources: 2014 and 2018 SIPP Panels, Wave 1; 2017 ASEC Research File.

Notes: Full discussion of these numbers can be found in Appendix B.

For a summary of the cases excluded from our analyses see panel A in Table B.2. The households containing invalid couples are excluded from the household sample. Further, missing replicate weights in the SIPP files resulted in elimination of another 65 households. Likewise, we exclude 204 households in the ASEC file that lived in either group quarters or identified by the Census Bureau as non-civilian households. The final household sample counts are displayed in panel B of Table B.2.