

Supplemental Table 11: PFUnDA includes estimated percent difference adjusted for race, ethnicity, education, cohort, parity, trimester, maternal age, and year of sample collection and 95% interval for final model, model with Cohort #6 restricted, model adjusted for BMI, breast feeding, and weekly fish consumption

|                     |                       | PFUNDA<br>n=8,620 |         |      | PFUNDA; not run because<br>AAU01 did not measure PFUNDA<br>and is not included cohort |         |   | PFUNDA (including BMI)<br>n=8,150 |         |      | PFUNDA (including<br>breastfeeding)<br>n=4966 |         |      | PFUNDA (including FISH)<br>n=2,285 |         |      | PFUNDA (unadjusted)<br>n=8,620 |         |      |
|---------------------|-----------------------|-------------------|---------|------|---------------------------------------------------------------------------------------|---------|---|-----------------------------------|---------|------|-----------------------------------------------|---------|------|------------------------------------|---------|------|--------------------------------|---------|------|
|                     |                       | %change           | 95 % CI |      | %change                                                                               | 95 % CI |   | %change                           | 95 % CI |      | %change                                       | 95 % CI |      | %change                            | 95 % CI |      | %change                        | 95 % CI |      |
| Race                |                       |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
| 1                   | White                 | ----              |         |      | ----                                                                                  |         |   | ----                              |         |      | ----                                          |         |      | ----                               |         |      | ----                           |         |      |
| 2                   | Black                 | -1%               | -22%    | 26%  | 0                                                                                     | 0       | 0 | 3%                                | -20%    | 33%  | 2%                                            | -30%    | 47%  | -3%                                | -34%    | 41%  | -15%                           | -29%    | 3%   |
| 3                   | Asian                 | 95%               | 63%     | 134% | 0                                                                                     | 0       | 0 | 96%                               | 62%     | 138% | 120%                                          | 64%     | 195% | 79%                                | 22%     | 165% | 171%                           | 127%    | 224% |
| 4                   | Other                 | 0%                | -24%    | 30%  | 0                                                                                     | 0       | 0 | -1%                               | -25%    | 30%  | -11%                                          | -37%    | 28%  | -22%                               | -56%    | 38%  | 10%                            | -17%    | 45%  |
| Ethnicity           |                       |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
| 0                   | Non-Hispanic          | ----              |         |      | ----                                                                                  |         |   | ----                              |         |      | ----                                          |         |      | ----                               |         |      | ----                           |         |      |
| 1                   | Hispanic              | -14%              | -29%    | 5%   | 0                                                                                     | 0       | 0 | -10%                              | -26%    | 10%  | -2%                                           | -28%    | 32%  | -3%                                | -38%    | 51%  | -31%                           | -40%    | -20% |
| Maternal education  |                       |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
| 1                   | Less than high school | ----              |         |      | ----                                                                                  |         |   | ----                              |         |      | ----                                          |         |      | ----                               |         |      | ----                           |         |      |
| 2                   | High school degree    | -4%               | -32%    | 36%  | 0                                                                                     | 0       | 0 | -4%                               | -32%    | 37%  | -8%                                           | -37%    | 33%  | 10%                                | -33%    | 79%  | 10%                            | -22%    | 54%  |
| 3                   | Some college          | 6%                | -25%    | 50%  | 0                                                                                     | 0       | 0 | 6%                                | -25%    | 50%  | 5%                                            | 32%     | 62%  | 8%                                 | -40%    | 96%  | 25%                            | -12%    | 76%  |
| 4                   | Bachelor's degree     | 29%               | -4%     | 73%  | 0                                                                                     | 0       | 0 | 26%                               | -6%     | 71%  | 20%                                           | 22%     | 84%  | 29%                                | -29%    | 136% | 79%                            | 34%     | 139% |
| Cohort              |                       |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
| 1                   | AAA01                 | 68%               | 26%     | 123% | 0                                                                                     | 0       | 0 | 66%                               | 25%     | 120% | 78%                                           | 19%     | 166% | 49%                                | -42%    | 287% |                                |         |      |
| 2                   | AAF01                 | 16%               | -13%    | 56%  | 0                                                                                     | 0       | 0 | 17%                               | -14%    | 58%  | 43%                                           | -3%     | 109% |                                    |         |      |                                |         |      |
| 3                   | AAG01                 | 13%               | -25%    | 70%  | 0                                                                                     | 0       | 0 | 13%                               | -27%    | 73%  | 21%                                           | -28%    | 105% | 6%                                 | -57%    | 159% |                                |         |      |
| 4                   | AAP01                 | -4%               | -26%    | 25%  | 0                                                                                     | 0       | 0 | -6%                               | -29%    | 23%  | 3%                                            | -37%    | 69%  |                                    |         |      |                                |         |      |
| 5                   | AAS01                 | 0%                | 0%      | 0%   | 0                                                                                     | 0       | 0 |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
| 6                   | AAU01                 | 0%                | 0%      | 0%   |                                                                                       |         |   |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
| 7                   | AAV01                 | 0%                | 0%      | 0%   | 0                                                                                     | 0       | 0 |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
| 8                   | AAZ01                 | 15%               | -32%    | 96%  | 0                                                                                     | 0       | 0 | 14%                               | -34%    | 95%  |                                               |         |      | 5%                                 | -73%    | 308% |                                |         |      |
| 9                   | ABA03                 | 21%               | -17%    | 76%  | 0                                                                                     | 0       | 0 | 20%                               | -18%    | 75%  | 36%                                           | -17%    | 122% | 19%                                | -59%    | 245% |                                |         |      |
| 10                  | AFA01                 | ----              |         |      | ----                                                                                  |         |   | ----                              |         |      | ----                                          |         |      | ----                               |         |      |                                |         |      |
| 11                  | AFA02                 | 87%               | 57%     | 123% | 0                                                                                     | 0       | 0 | 91%                               | 58%     | 132% | 124%                                          | 62%     | 210% |                                    |         |      |                                |         |      |
| 12                  | AHA01                 | 6%                | -18%    | 35%  | 0                                                                                     | 0       | 0 | 4%                                | -20%    | 35%  | 34%                                           | -37%    | 187% | -4%                                | -56%    | 110% |                                |         |      |
| Parity              |                       |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
| 1                   |                       | ----              |         |      | ----                                                                                  |         |   | ----                              |         |      | ----                                          |         |      | ----                               |         |      |                                |         |      |
| 2                   |                       | -8%               | -19%    | 4%   | 0                                                                                     | 0       | 0 | -8%                               | -19%    | 4%   | -5%                                           | -21%    | 13%  | -10%                               | -28%    | 11%  |                                |         |      |
| 3 or more           |                       | -11%              | -25%    | 4%   |                                                                                       |         |   | -11%                              | -25%    | 6%   | -11%                                          | -29%    | 11%  | -15%                               | -37%    | 14%  |                                |         |      |
| Trimester           |                       |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
| 1                   |                       | ----              |         |      | ----                                                                                  |         |   | ----                              |         |      | ----                                          |         |      | ----                               |         |      |                                |         |      |
| 2                   |                       | 2%                | -23%    | 35%  | 0                                                                                     | 0       | 0 | 5%                                | -21%    | 39%  | 0%                                            | -28%    | 38%  | 9%                                 | -20%    | 49%  |                                |         |      |
| 3                   |                       | 5%                | -18%    | 35%  | 0                                                                                     | 0       | 0 | 7%                                | -17%    | 38%  | -5%                                           | -32%    | 33%  | 16%                                | -36%    | 111% |                                |         |      |
| BMI                 |                       |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
|                     | BMICAT1               |                   |         |      |                                                                                       |         |   | ----                              |         |      |                                               |         |      |                                    |         |      |                                |         |      |
|                     | BMICAT2               |                   |         |      |                                                                                       |         |   | -8%                               | -35%    | 31%  |                                               |         |      |                                    |         |      |                                |         |      |
|                     | BMICAT3               |                   |         |      |                                                                                       |         |   | -8%                               | -35%    | 30%  |                                               |         |      |                                    |         |      |                                |         |      |
|                     | BMICAT4               |                   |         |      |                                                                                       |         |   | -17%                              | -40%    | 15%  |                                               |         |      |                                    |         |      |                                |         |      |
| Breast feeding ever |                       |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
| 0                   | no                    | ----              |         |      | ----                                                                                  |         |   | ----                              |         |      | ----                                          |         |      | ----                               |         |      |                                |         |      |
| 1                   | yes                   |                   |         |      |                                                                                       |         |   |                                   |         |      | 17%                                           | -29%    | 94%  |                                    |         |      |                                |         |      |
| Fish consumption    |                       |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
|                     | 0-0.23 per week       |                   |         |      |                                                                                       |         |   |                                   |         |      | ----                                          |         |      | 24%                                | -4%     | 61%  |                                |         |      |
|                     | 0.23-0.92 per week    |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      | 21%                                | -9%     | 60%  |                                |         |      |
|                     | 0.92-1.69 per week    |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      | 54%                                | 12%     | 110% |                                |         |      |
|                     | >1.69 per week        |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
| PFOS                |                       |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
|                     | Quartile 1            |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
|                     | Quartile 2            |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
|                     | Quartile 3            |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |
|                     | Quartile 4            |                   |         |      |                                                                                       |         |   |                                   |         |      |                                               |         |      |                                    |         |      |                                |         |      |

Footnote: Some college, no degree; Associate's degree (AA, AS); Trade school; , GED or equivalent; (BA, BS) and above