**eTable.** Bias parameter values (95% CI) for misclassification of obesity status from NHANES II (1976-1980) to NHANES 2017-2018

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Year | N1 | Sensitivity | Specificity | PPV | NPV | True (measured)  prevalence of obesity | Self-report  prevalence of obesity |
| NHANES II | 14,096 | 0.72 [0.69, 0.74] | 0.99 [0.99, 0.99] | 0.91 [0.90, 0.93] | 0.96 [0.95, 0.96] | 0.123 [0.12, 0.13] | 0.098 [0.09, 0.10] |
| NHANES III | 16,923 | 0.75 [0.74, 0.76] | 0.98 [0.98, 0.98] | 0.92 [0.91, 0.93] | 0.93 [0.92, 0.93] | 0.211 [0.20, 0.22] | 0.169 [0.16, 0.18] |
| 1999-2000 | 5,409 | 0.78 [0.76, 0.80] | 0.97 [0.97, 0.98] | 0.92 [0.90, 0.93] | 0.91 [0.90, 0.92] | 0.287 [0.27, 0.30] | 0.254 [0.24, 0.27] |
| 2001-2002 | 5,769 | 0.78 [0.76, 0.80] | 0.97 [0.97, 0.98] | 0.92 [0.90, 0.93] | 0.92 [0.91, 0.93] | 0.289 [0.27, 0.30] | 0.253 [0.24, 0.27] |
| 2003-2004 | 5,669 | 0.80 [0.78, 0.82] | 0.97 [0.97, 0.98] | 0.93 [0.91, 0.94] | 0.92 [0.91, 0.93] | 0.308 [0.29, 0.32] | 0.277 [0.26, 0.29] |
| 2005-2006 | 5,655 | 0.78 [0.76, 0.80] | 0.97 [0.97, 0.98] | 0.93 [0.92, 0.94] | 0.90 [0.89, 0.91] | 0.328 [0.31, 0.34] | 0.285 [0.27, 0.30] |
| 2007-2008 | 6,034 | 0.82 [0.80, 0.84] | 0.97 [0.97, 0.98] | 0.94 [0.93, 0.95] | 0.91 [0.90, 0.92] | 0.321 [0.31, 0.34] | 0.279 [0.27, 0.29] |
| 2009-2010 | 6,497 | 0.82 [0.80, 0.83] | 0.97 [0.96, 0.97] | 0.94 [0.93, 0.95] | 0.90 [0.89, 0.91] | 0.343 [0.33, 0.36] | 0.298 [0.28, 0.31] |
| 2011-2012 | 5,733 | 0.83 [0.81, 0.85] | 0.97 [0.97, 0.98] | 0.94 [0.93, 0.95] | 0.92 [0.91, 0.93] | 0.334 [0.32, 0.35] | 0.289 [0.27, 0.31] |
| 2013-2014 | 6,096 | 0.83 [0.81, 0.84] | 0.98 [0.97, 0.98] | 0.95 [0.94, 0.96] | 0.91 [0.90, 0.92] | 0.363 [0.35, 0.38] | 0.317 [0.30, 0.33] |
| 2015-2016 | 5,911 | 0.79 [0.78, 0.81] | 0.98 [0.97, 0.98] | 0.95 [0.94, 0.96] | 0.89 [0.88, 0.90] | 0.382 [0.36, 0.40] | 0.322 [0.31, 0.34] |
| 2017-2018 | 5,613 | 0.83 [0.81, 0.84] | 0.98 [0.98, 0.99] | 0.97 [0.96, 0.97] | 0.90 [0.89, 0.91] | 0.409 [0.39, 0.43] | 0.351 [0.33, 0.37] |