Evidence Table H2a. Study and participant characteristics of included studies that follow a natural experiment method

| **Author, year** | **Study dates** | **Total N at baseline** | **Maximum followup** | **Male sex, n (%)\*** | **Age or grade\*†** | **Race/Ethnicity, %\*‡** |
| --- | --- | --- | --- | --- | --- | --- |
| Anderson, 20131 | 2003 to 2007 | 83253 |  NA | 40464 (48.3-48.7) | Grades:9-12 | NR |
| Anthamatten, 20112 | 2005 to 2006 | 3688 | 12 months | NR |  NR | African American, 2- 65Hispanic, 32-92Anglo, 2- 7Asian, 1-3 |
| Azevedo, 20143 | 2010 to 2012 | 497 | 12 months |  NR | 11.2 | NR |
| Barnidge, 20134 | 2011 | NR | 1 month | 40 (28.4) | NR | Black (Non-Hispanic), 34.8White (Non-Hispanic), 54.6Other (including multiple race), 5.7  |
| Barroso, 20095 | 2006 to 2008 |  3327 |  24-36 months | NR |  NR | NR |
| Bauhoff, 20146 | 2001 to 2006 |  35899 |  24 months | NR |  12-15 | African American, 6-11Hispanic, 39-72White, 10-40 |
| Bauman, 20037 | 1999 to 2002 | 665 | 3 years | (45.9- 50.2) | NR | NR |
| Bere, 20108 | 2001 to 2008 | 2887 | NA |  (48-50) | 10-12 | NR |
| Berger-Jenkins, 20149 | 2008 to 2010 | 796  | 2 years | (51.7) | 8.98  | Hispanic, 60.5Black (Non-Hispanic), 24.6White (Non-Hispanic),12.6Other, 2.3 |
| Bolton, 201710 | 2008 to 2010 | 3648 | 2 years | NR | 5 | NR |
| Bowling, 201611 | 2013 to 2013 | 425 | 17 weeks |  24 (5.2) | 34.5 | Asian, 8.9Black, 7.9Cape Verdean, 0.7Hispanic, 46.2Multi-Ethnic, 4.8White, 30.1Other, 3.1 |
| Branas, 201112 | 1999 to 2008 | NR | NR | NR | 36.42-36.98 (Median) | NR |
| Brown, 200813 | 2003 | 453 | 2 months | (27.9- 63.5) | 37.18-46.84 | NR |
| Brown, 201514 | 2012 to 2013 | 537 | NR |  NR | 37.8-43.9 | Hispanic, 25 |
| Brown, 201615 | NR | NR | NR | NR | ≥18 | NR |

| **Author, year** | **Study dates** | **Total N at baseline** | **Maximum followup** | **Male sex, n (%)\*** | **Age or grade\*†** | **Race/Ethnicity, %\*‡** |
| --- | --- | --- | --- | --- | --- | --- |
| Brown, 201616 | 2012 to 2013 | 910 | 12 months | NR | NR | NR |
| Burke, 201417 | 2011 to 2013 |  23347 |  7 months | NR | 10 - 17 | White, 18-51Black, 26-61Hispanic, 1-14Asian/Pacific Islander, 1-18Two or more races, 2- 5 |
| Buscail, 201618 | 2013 to 2015 | 199 | 24 months | (35.7-41.8) | 38.1 - 40.6  | NR |
| Caldwell, 200919 | 4 to 16 weeks | 266 | NR | 53  | All ages | White, 79.7Not White, 6.4Hispanic, 7.5 Not Hispanic, 83.8  |
| Calise, 201320 | 2009 | 424 | 3 months | NR | 20-39 | White (Non-Hispanic), 88.6 |
| Camacho-Rivera, 201721 | 2011 to 2012 | 362 | NA | NR | 44.8-47.4 | NR |
| Capogrossi, 201622 | 1998 to 2007 |  5910 |  NR |  (43(55) |  NR | Black, 7-33Hispanic, 17-26 |
| Cawley, 200723 | 1999 to 2003 | 36833 | 36 months | 17987 | Grades: High school  | NR |
| Cawley, 200724 | 1999 to 2003 | 44164  | NA | (50) | 14-18 | White, 64 |
| Chen, 201525 | 2004 to 2009 | 18769 | 3 years | 7032 | 45.4 - 47.46  | NR |
| Cleland, 200826 | 2004 to 2006 | 5170 | 20 years | NR | 31.0 (2.6) | NR |
| Coffield, 201127 | 2007 to 2009 | 40713 | 2 years | NR |  15 - 19 | White, 84Non-White, 16 |
| Cohen, 201228 | 2008 to 2010 | NR | NR | (45.6) | All ages | White (Non-Hispanic), 2.1Black (Non-Hispanic), 8.5 Asian/Other, 0.8Hispanic, 74.1 |
| Cohen, 201429 | 2007 to 2009 | 1230 | NR | (41-47) | 8.6 | NR |
| Coyle, 200930 | 2004 to 2005 | NR | 12 months | NR | NR | NR |
| Cradock, 201131 | 2004 to 2006 |  2091 |  24 months | (45 ( 53) | NR | White, 11-72Black, 16-43 |

| **Author, year** | **Study dates** | **Total N at baseline** | **Maximum followup** | **Male sex, n (%)\*** | **Age or grade\*†** | **Race/Ethnicity, %\*‡** |
| --- | --- | --- | --- | --- | --- | --- |
| Cradock, 201432 | 2011 to 2011 | 455 | 3 months | 187 (48) | 10.2 (0.8) | White, Non-Hispanic, 2Black (Non-Hispanic), 59Hispanic, 31Asian, 7Other, 2 |
| Cullen, 200633 | 2001 to 2002 | 2790 | 2 years | NR |  NR | Hispanic, 61White, 34African American, 3Asianother, 2 |
| Cullen, 200834 | 2001 to 2006 | 2671 | 3 years | NR | NR | NR |
| Cummins, 200535 | NR | 412 | NA | 118 (28.6) | ≥16  | NR |
| Cummins, 200836 | 2001 | NR | 1 year | 118 (28.6) | NR | NR |
| Cummins, 201437 | 2006 to 2010 | 1440 | 48 months | 134 (20) | 54 (14.8) | Black, 84White, 9Hispanic, 2Other, 4 |
| Datar, 201638 | 2013 to 2015 | 894 | 18 months | NR | 13.17 | White (non-Hispanic), 40.6Black (non-Hispanic), 20.4Hispanic, 24.8Other (including multiple race), 14.2 |
| De Cocker, 200739 | 2005 to 2006 | 1682 | 1 year | (47.2-47.5) | 25-75 | NR |
| de Visser, 201640 | 2013 to 2014 | 2510 | 6 weeks  | (48.5-51.1) | 11-12 | White, 34.8-58.7Black, 13.7-44.4Hispanic, 4.4 Asian, 15.1-0.7 |
| Dill, 201441 | 2010 to 2013 | 490 | 5 days | NR | 40.8-43.1 | NR |
| Dubowitz, 201542 | 2011 to 2014 | 1372 | 36 months | (25) | 53.3  | African American, 95.2Other, 4.8 |

| **Author, year** | **Study dates** | **Total N at baseline** | **Maximum followup** | **Male sex, n (%)\*** | **Age or grade\*†** | **Race/Ethnicity, %\*‡** |
| --- | --- | --- | --- | --- | --- | --- |
| Elbel, 201543 | 2011 to 2012 | 850 | 12 months | NR | NR | Black (Non-Hispanic), 21.9-46Hispanic, 47.5-70.7Other (including multiple race), 3.3-8.0  |
| Elbel, 201744 | 2011 to 2014 | 3998 | 3 years | (36) | NR | Hispanic, 50Black (non-Hispanic), 43Other (including multiple race), 7.7 |
| Falbe, 201645 | 2014 to 2015 | 990 | 12 months |  (40-54) | 39-46 (15-17) | African American, 31-34Hispanic, 20-38White, 16-32Other, 13-17 |
| Fitzpatrick, 201746 | 2005 to 2011 | 431 | 2 years | (54) | 8-10 | NR |
| Flego, 201447 | 2011 to 2013 | 1960 | 2 years | NR | NR | NR |
| Fogarty, 200748 | 2003 to 2005 | 29050 | NA | NR | 4-6 | NR |
| Fox, 200949 | NR | 2228 | NR |   | 8.8 – 15.95 | White, 50-59Black, 14-21Hispanic, 20-24Other, 6-7 |
| Frongillo, 201750 | 2013 to 2015 | NR | 1 year | NR | 9.28 | Black (non-Hispanic), 20.6Hispanic, 39.8Other (including multiple race), 39.6 |
| Fuller, 201351 | 2009 to 2010 | NR | NA | (47.3-48.1) | 47.8-49.4 | NR |
| Fung, 201352 | 2003 to 2011 | 10723 | 2 years | (47.9-49) | Grade: 5 | NR |
| Gee, 201553 | 2003 to 2009 | 1081 |  NA | 536 (50.6-52.5) | 15.8 - 17.6  | White, 61.0-72.1Black, 21.6-29.9Other, 3.5-6.6Hispanic, 1.3-4.5 |
| Gibson, 200654 | 1979 to NR |  14859 |  NA  |  (0) | 7.8  | NR |
| Giles-Corti, 201355 | NR | NR | 48 months | (38.6-47.7) | 37.2-40.7 | NR |
| Gleason, 200956 | 2004 to 2005 | 2314 | NR | NR | Grades: 1-12 | NR |
| Goldsby, 201657 | 2009 to 2012 | 1443 | 36 months | 634 (44) | 10.3 Median  | Black, 77White, 22Other, 1Hispanic, 14Non-Hispanic, 86 |

| **Author, year** | **Study dates** | **Total N at baseline** | **Maximum followup** | **Male sex, n (%)\*** | **Age or grade\*†** | **Race/Ethnicity, %\*‡** |
| --- | --- | --- | --- | --- | --- | --- |
| Goodman, 201458 | 2010 to 2011 | 3516 | 2 years | 634 (43.3) | NR | White (Non-Hispanic), 96.9 |
| Goodman, 201659 | 2010 to 2012 | 3336 | 2 years | 1667 (50) | 10-11 | Asian/Pacific Islander, 9Black (non-Hispanic), 1White (non-Hispanic), 86Other 1Mixed, 3 |
| Gorely, 201160 | NR | 589 | 10 months | NR | 7-11 | NR |
| Gorham, 201561 | NR | 960 | 5 months |  (8.5) | ≥18  | Hispanic, 59.2  |
| Harding, 201762 | NR | NR | NR | NR | NR | NR |
| Heelan, 201563 | 2006 to 2012 | 2234 | 72 months | NR |  Grades: Kindergarten - 5 | Caucasian, 85 |
| Hennessy, 201464 | 2005 to 2008 | 16271 | NA |  (46.8) healthy weight(53.9) overweight/ obese | 12.5-12.7 | White (Non-Hispanic), 63.6-46.7Black (Non-Hispanic), 13.6-21.1Hispanic, 14.9-25.1Other, 8-7.2 |
| Herrick, 201265 | 2009 to 2009 | 100 | 5 months |  (45) | 10.4 (0.5) – 10.3 (0.6); Control - Intervention | African American 2Asian 53Hispanic 31White 3Other 11 |
| Hilmers, 201466 | 2006 to 2007 | 661 |  NA | (0) | 33.89 (8.95) – 35.17 (9.12) | Hispanic, 100 |
| Hobin, 201467 | 2008 to 2011 | 477 | 36 months | 204 (45.6) | 15.2 (0.818)  | NR |
| Hobin, 201768 | 2007 to 2013 | 837 | NR | NR | Grades: 9-12 | NR |
| Hoelscher, 201669 | 2009 to 2010 | 32482 | Spring 2010 | (49.6 ( 50.0) | 12.33 (1.05) – 12.9 (1.14) | African American, 16.8-17.2Hispanic, 28.6-28.1Whiteother, 54.7-54.7 |
| Hoelscher, 201670 | 2009 to 2012 | 78 schools | 3 years | (50.5-53.8) |  NR | Hispanic 50-70.6White, 19.8-28.2Black or African American, 6.6-7.2Other, 3.0-18.0 |
| Howlett, 201671 | 2000 to 2011 | NR | NR | NR | 2-4 | NR |
| Hu, 201672 | 1990 to 2010 |  260054 |  NAs (1990-2000 and 2000-2010 combined) | (46-49) | 16-79  | NR |
| Hughes, 201273 | 2007 | 2709 | 1 month | NR | NR | NR |

| **Author, year** | **Study dates** | **Total N at baseline** | **Maximum followup** | **Male sex, n (%)\*** | **Age or grade\*†** | **Race/Ethnicity, %\*‡** |
| --- | --- | --- | --- | --- | --- | --- |
| Hunter, 201674 | 2013 to 2015 | 19854 | 2 years | (46.4) | 15.01-15.07 | White (non-Hispanic), (73.7) |
| Jennings, 201275 | 2009 to 2010 | 322 | 12 months |  (18.8) | NR | NR |
| Jia, 201776 | 2015 | 1648 | NR | 738 | 11.6 | NR |
| Johnson, 201777 | 2011 to 2012 | 586 | 12 weeks | 113 (19%) | NR | White (non-Hispanic), 64Asian/Pacific Islander, 18Black (non-Hispanic), 6Other (including multiple race), 9 |
| Just, 201478 | NR | 725 |  NA |  NR | 12.64 – 12.8 | White 42-51Black 15-25Asian 8 |
| Kern, 201479 | 2004 to 2012 | NR | 96 months | NR |  NR | NR |
| Keyte, 201280 | 2007 | 511 | NA | (50.2-52.5) | Grades: 3-4 | NR |
| Kim, 201281 | NR | 2057 | 4-10 weeks | 877 (42.6) | NR | NR |
| Kim, 201282 | 2002 to 2007 | 25251 | 4 years |  (50) | 13.9-14 | White, 59.5-63.1African American, 16.2-16.9Hispanic, 12.7-15.4Other, 7.3-8.1 |
| King, 201483 | 2008 to 2012 | 3385 | 18 months | (51.6) | 10.6  | White, 86.3 |
| Kubik, 200584 | 2000 to 2000 | 3588 | NA | (51) | 14.2  | White, 70 |
| Lachapelle, 200985 | NR | 4156 | NA | 48-50 | 36.6-42.9 | White (Non-Hispanic), 67.6-71  |
| LaRowe, 201686 | NR | 327 | 12 months | NR | 22.9 | WhiteCaucasian 73.3African American 8.9Hispanic 7.6American Indian 8.0Multiple RaceEthnicities 2.1 |
| Leung, 201387 | 1999 to 2008 |  5193 |  NA |  (46.7-50.9) | 10.4-12 | White (Non-Hispanic), 37.9 - 48.8African American, 17.7 -31.2Hispanic, 24.9 -26Other or multiple ethnicities, 6-7.5 |
| Liao, 201588 | 2001 to 2006 | NR | NR | (40-48.4) | ≥18  | NR |

| **Author, year** | **Study dates** | **Total N at baseline** | **Maximum followup** | **Male sex, n (%)\*** | **Age or grade\*†** | **Race/Ethnicity, %\*‡** |
| --- | --- | --- | --- | --- | --- | --- |
| Ling, 201489 | 2011 | 1508 | 4 months | 814 (54.5) | 8.3  | NR |
| Liu, 201690 | 2014 to 2014 | 3248 | NA | 1677 (47) | 2.30-2.47 | Hispanic, 86.3White, 4Black, 6.5Asian/Pacific Islander, 2.3Other, 27 |
| MacDonald, 201091 | 2006 to 2008 | 801 | 24 months | NR | NR | NR |
| Maddock, 200692 | 2000 to 2004 | NR | 5 years | NR |  NR | NR |
| Madsen, 201193 | 2001 to 2008 | 1148000 | 7 years | NR |  NR | African American, 68.9American IndianAlaskan Native, 5.7AsianPacific IslanderFilipino, 84.3Hispanic, 289.8White (Non-Hispanic), 238.1Other, 63.3 |
| Madsen, 201594 | NR |  NR |   |  (51) |  NR | Hispanic, 55-56African American, 8Asian, 17White (Non-Hispanic), 13-14 |
| Malakellis, 201795 | 2012 to 2014 | 1557 | 2 years | NR | 12-16 | NR |
| Masse, 201496 | 2007 to 2008 | 11385 | NA | (41.8) | 14.9  | NR |
| Miewald, 201297 | 2008 | 192 | 8 months | (18-22) | NR | NR |
| Miller, 201598 | 2012 to 2013 | 939 | 1 year |  (49) | ≥18 | Hispanic, 25 |
| Molitor, 201599 | 2011 | 1273 | NA | (37.2-55.8) | 5.5-49.4 | Hispanic, 58.8-90.6White (Non-Hispanic), 1.12-20.4Asian/Pacific Islander, 2.5-12.7Black (Non-Hispanic), 2.0-7.5Other (including multiple race), 1.2-4.4 |
| Morton, 2016100 | 2007 to 2011 | 2064 | 4 years | 47.7 | 10.24 | White (non-Hispanic), 97 Other (including multiple race), 3 ,  |
| Mullally, 2010101 | 2001 to 2007 | 971 | 5 years | (48.4-50.1) | Grades: 5-6 | NR |
| Mumford, 2011102 | 2008 to 2009 | 101 | NR | NR | NR | White (Non-Hispanic), 47Black (Non-Hispanic), 33 |

| **Author, year** | **Study dates** | **Total N at baseline** | **Maximum followup** | **Male sex, n (%)\*** | **Age or grade\*†** | **Race/Ethnicity, %\*‡** |
| --- | --- | --- | --- | --- | --- | --- |
| Nanney, 2014103 | 2002 to 2006 | 136549 | 4 years | NR |  NR | NR |
| Nanney, 2016104 | 2006 to 2013 | 7237 | 6 years | NR |  NR | Minority, 9.7-14.4 |
| Neelon, 2015105 | 2011 to 2012 | 104 | 1 year |   | 7.8-8.3 | White (Non-Hispanic), 76.6-85Black (Non-Hispanic), 12.5-18.8Hispanic, 6.3Other, 2.5-4.7 |
| Nehme, 2017106 | 2014 | 295 | 9 months | 115 (39.8) | NR | White (non-Hispanic), 65.3Hispanic, 21.7Black (non-Hispanic), 7.2Asian/Pacific Islander, 3.6American Indian/Alaska Native, 1.4 |
| Nguyen, 2015107 | 2003 to 2008 | 17891 | NA | (49) |  NR | White, 72Black, 11Hispanic, 12Other, 5 |
| Oh, 2015108 | 2005 to 2007 | 1895 | NA | (51.7) | 12.6 | White (Non-Hispanic), 32.1Black (Non-Hispanic), 27.6Hispanic, 31.3Non-Hispanic other, 7.6 |
| Olsho, 2015109 | 2010 | 2287 | NR | NR | NR | NR |
| Panter, 2016110 | 2011 to 2012 | 1143 | 12 months | 360 (31.5) | NR | NR |
| Parsons, 2014111 | 1999 to 2010 |  6682 |  60 months | (51.2 |  2-19 | Caucasian, 50.2Minority, 49.8 |
| Peterson, 2015112 | 2004 to 2009 | NR |  NR | (49.4) | 12.8 | White (Non-Hispanic), 70.3Asian, 3.6Black (Non-Hispanic), 7.4Hispanic, 8.5American IndianAlaskan, 1.3 missing ethnicity |
| Powell, 2009113 | 1997 to 2006 | 153673 |   | (48.06) | 15.06  | White, 69.94African American, 10.26Hispanic, 10.10Other race, 9.69 |
| Quig, 2012114 | 2007 to 2008 | 184 | 1 year | 72 (46) | 7.6 | NR |
| Reger-Nash, 2005115 | 2001 to 2002 | 1472 | 12 months | NR | NR | White (Non-Hispanic), 93-96 |

| **Author, year** | **Study dates** | **Total N at baseline** | **Maximum followup** | **Male sex, n (%)\*** | **Age or grade\*†** | **Race/Ethnicity, %\*‡** |
| --- | --- | --- | --- | --- | --- | --- |
| Reger-Nash, 2008116 | 2003 to 2005 | 1834 | 8 week | NR | 40-65 | White (Non-Hispanic), 92-97 |
| Restrepo, 2016117 | 2004 to 2012 | 74  | 8 years  | (41) | 53.245  | Black, 12Hispanic, 10 |
| Ridgers, 2007118 | 2003 to 2004 | 470 | 6 months | (49.3) | 7.9-8.4 | NR |
| Ridgers, 2007119 | 2003 to 2004 | 297 | 6 weeks | 150 | 7.8- 8.3 | NR |
| Riis, 2012120 | 2003 to 2007 |  NR |   | NR | 10-17 | NR |
| Ritchie, 2016121 | 2011 to 2012 | 3944 |  NR | 49.3 | 9.75 | Hispanic 49.2White (Non-Hispanic) 12.5Non-Hispanic 9.1Asian 8.5American IndianAlaskan native 1.4Native HawaiianPacific Islander 1.7Other 16.7 |
| Robles, 2017122 | 2012 | NR | NA | (36.6-52.3) | NR | White (non-Hispanic), 5.1-16.3Black (non-Hispanic), 41.3-62.1Hispanic, 25.9-29.4Asian/Pacific Islander, 2.3-7.3Other, 4.7-5.7 |
| Rushakoff, 2017123 | 2013 to 2014 | 287 | 18 months | NR | NR | White (non-Hispanic), 96Black (non-Hispanic), 2Hispanic, 2 |
| Sabia, 2016124 | 1999 to 2011 | NR |  NA | (49) | 14-18  | White, 59.6Black, 13.7Hispanic, 9.9Asian, 3.7Other, 13.1 |
| Sadler, 2013125 | 2009 to 2011 | 186 | 2 years |  (45) | 55 | Black (Non-Hispanic), 61 |
| Sanchez-Vaznaugh, 2010126 | 2001 to 2008 |  567756 | 8 years | 48350 – 293645 (50.7-51.0) | Grades: 5 and 7  | White, 8.4-38.2Hispanic, 47.6-77.8Black, 5.5-10.0Asian, 2.7-7.4Filipino, 1.1-1.3 |

| **Author, year** | **Study dates** | **Total N at baseline** | **Maximum followup** | **Male sex, n (%)\*** | **Age or grade\*†** | **Race/Ethnicity, %\*‡** |
| --- | --- | --- | --- | --- | --- | --- |
| Schanzenbach, 2005127 | NR | NR |   | NR | 67.8 - 67.9 months  | White, 100 |
| Schwartz, 2016128 | NR | 60 months | 1,065,562 | (50.1-50.2) | Grades: Kindergarten-8 | Asian, 12.0-14.6Black, 33.2-36.5Hispanic, 37.3-38.9White, 13.3-14.2 |
| Sekhobo, 2014129 | NR | NR | 72 months | NR | NR | NR |
| Slater, 2014130 | 2009 to 2011 | Sample varies | NA | (48) | Grades: 8, 10, and 12 | White (Non-Hispanic), 59Black (Non-Hispanic), 13 Hispanic, 15 |
| Spence, 2013131 | 2003 to 2009 | 407 | 5 years | 198-322 |  4 - 7 | NR |
| Stephens, 2014132 | 2009 to 2010 |  1352 |   | NR |  3.39  | NR |
| Stratton, 2005133 | NR | 120 | 5 months | 51 | NR | NR |
| Sturm, 2010134 | 1998 to 2004 | 7414 | NA |  (50.2) | 134.4 months  | Black (Non-Hispanic), 14.2Hispanic, 17.5Asian/Pacific Islander, 2.3  |
| Sturm, 2015135 | 2007 to 2012 | 12058 | 48 months |  NR) | NR | NR |
| Taber, 2011136 | 2007 to 2007 | 90730 | NA | (50.7 | All ages | White, 62Black, 18Hispanic, 15Other, 5 |
| Taber, 2012137 | 2004 to 2007 | 8870 | 36 months |  NR |  Grades: 5-8 | White (Non-Hispanic), 58.9Black (Non-Hispanic), 11.9Hispanic, 18.5Other Non-Hispanic, 10.7 |
| Taber, 2012138 | 2004 to 2007 | 9170 | 3 years |  NR |  NR | White, Non-Hispanic, 44.8-70.7Black (Non-Hispanic), 11.8-12.2Hispanic, 7.3-33.0Other, Non-Hispanic, 6.7-13.1 |
| Taber, 2013139 | 2004 to 2007 | 5510 | 3 years |  NR | Grade: 8 | White, Non-Hispanic, 62.0Black (Non-Hispanic), 10.4Hispanic, 17.4Other, Non-Hispanic, 10.2 |
| Tak, 2007140 | NR | 500 | NR | (45.9-50.9) | Grade: 4 | NR |

| **Author, year** | **Study dates** | **Total N at baseline** | **Maximum followup** | **Male sex, n (%)\*** | **Age or grade\*†** | **Race/Ethnicity, %\*‡** |
| --- | --- | --- | --- | --- | --- | --- |
| Tak, 2009141 | 2003 to 2005 | 1328 | 2 years | 346 (42.8(46.6) | 9.9-10.1  | NR |
| Tester, 2016142 | 2003 to 2012 | 1197 | 108 months | (48.3-56.2) | 2.91-3.07 | White (Non-Hispanic), 30.4-51.3Hispanic, 21.8-39.9Black (Non-Hispanic), 21-22.4Other/mixed, 5.9-7.3 |
| Toussaint, 2017143 | 2015 to 2016 | 7137 | 1 year | 3678 (51.53) | 4 -12 | Hispanic, 4.08American Indian/Alaska Native, 0.21Asian/Pacific Islander, 0.53Black (non-Hispanic), 41.08 Asian/Pacific Islander, 0.10White, 91.45Multiracial, 2.55 |
| Utter, 2016144 | 2012 | 8500 | 1 year | 40-60% | Grades: 9-13 | NR |
| Vadiveloo, 2011145 | 2008 to 2008 |  1170 | NR | (34.9-41) | 37.7- 40.4  | White, 4.9-9.9Black, 57.0-81.5Hispanic, 9.3-25.5AsianHawaiian Pacific Islander, 1.2-2.3Other, 0.6-5.9 |
| Veugelers, 2005146 | 2003 to NR | 5200 | NA | NR | Grade: 5  | NR |
| von Hippel, 2015147 | 2008 to 2012 | 772559 |   |  (50) |  NR | Asian, 3Black, 13Hispanic, 44Native Am, 0.4White, 40 |
| Webb, 2012148 | 2004 to 2008 | 8773 | 4 years |  (44.7) | All ages  | NR |
| Webb, 2016149 | 2012 to 2013 | 4650 | NA | 2091 | NR | NR |
| Wells, 2005150 | 2003 to NR | 1492 | NA | NR | 4-8 | White British background 56.5-81.1 |
| West, 2011151 | 2007 to 2008 | 368 | 1 year | (47.6) | NR | White (Non-Hispanic), 90.2Black (Non-Hispanic), 6.1Hispanic, 3.7  |
| Whetstone, 2012152 | NR | 2487 | 20 months | 552 (48.3) | 9.5 | Caucasian, 64.7African-American, 35.3Hispanic origin, 2.6 |
| Woodward-Lopez, 2010153 | 2005 to 2008 | 3527 | 24 months | NR |  NR | NR |

| **Author, year** | **Study dates** | **Total N at baseline** | **Maximum followup** | **Male sex, n (%)\*** | **Age or grade\*†** | **Race/Ethnicity, %\*‡** |
| --- | --- | --- | --- | --- | --- | --- |
| Wrigley, 2003154 | 2000 to 2001 | 1009 | 1 year | (15.9-21.6) |  | NR |
| Zhu, 2013155 | 2013 to NR | NR | NR | NR (33) | NR | NR |
| Zhu, 2014156 | 2013 to 2014 | 449 | NA |  (50.8) | 37.2 | White, 61.1 |

N=sample size; NA=not applicable; No.=number; NR=not reported

\*The range of study participant characteristics are given when the mean of the total participant sample is not reported by the study.

† Reported as mean age in years unless otherwise stated.

‡Given the heterogeneity in race/ethnicity categories reported, these categories were extracted from the studies as is.