

**Table L4**  
**Adult Self-Reported Lifetime Asthma Prevalence Rate (Percent)**  
**and Prevalence (Number) by Race and State or Territory: BRFSS 2011**

| State        | Race  | Sample Size | Prevalence (percent) | Standard Error | 95% CI* (percent) | Prevalence (number) | 95% CI* (number)          |
|--------------|-------|-------------|----------------------|----------------|-------------------|---------------------|---------------------------|
| U.S. Total** | White | 408,541     | 13.1                 | 0.11           | (12.9 - 13.3)     | 23,142,450          | (22,745,448 - 23,539,453) |
| U.S. Total** | Black | 41,979      | 15.7                 | 0.37           | (15.0 - 16.4)     | 4,411,296           | (4,188,487 - 4,634,106)   |
| U.S. Total** | Other | 29,180      | 11.8                 | 0.39           | (11.1 - 12.6)     | 2,426,935           | (2,261,499 - 2,592,371)   |
| U.S. Total** | Multi | 9,724       | 23.1                 | 0.99           | (21.2 - 25.1)     | 960,069             | (868,134 - 1,052,004)     |
| AL           | White | 5,352       | 12.3                 | 0.65           | (11.0 - 13.6)     | 316,741             | (282,644 - 350,839)       |
| AL           | Black | 2,024       | 10.5                 | 0.95           | (8.7 - 12.4)      | 94,906              | (77,465 - 112,348)        |
| AL           | Other | 193         | 11.5                 | 3.23           | (5.2 - 17.9)      | 14,135              | (5,883 - 22,387)          |
| AL           | Multi | 58          | 25.1                 | 10.17          | (4.8 - 45.5)      | 7,495               | (0 - 15,024)              |
| AK           | White | 2,583       | 13.4                 | 0.93           | (11.5 - 15.2)     | 47,915              | (41,159 - 54,671)         |
| AK           | Black | 47          | 26.0                 | 7.95           | (10.0 - 42.0)     | 5,837               | (1,559 - 10,114)          |
| AK           | Other | 707         | 12.9                 | 1.79           | (9.4 - 16.5)      | 15,271              | (10,943 - 19,600)         |
| AK           | Multi | 139         | 19.8                 | 4.32           | (11.2 - 28.3)     | 3,092               | (1,618 - 4,567)           |
| AZ           | White | 5,085       | 14.6                 | 0.93           | (12.7 - 16.4)     | 502,627             | (436,829 - 568,425)       |
| AZ           | Black | 111         | 14.0                 | 4.64           | (4.8 - 23.2)      | 24,778              | (7,387 - 42,170)          |
| AZ           | Other | 903         | 11.5                 | 1.88           | (7.8 - 15.2)      | 113,308             | (75,162 - 151,454)        |
| AZ           | Multi | 94          | 27.2                 | 8.28           | (10.8 - 43.7)     | 19,967              | (5,714 - 34,220)          |
| AR           | White | 3,821       | 13.3                 | 0.87           | (11.6 - 15.0)     | 233,790             | (202,745 - 264,836)       |
| AR           | Black | 650         | 17.5                 | 3.04           | (11.6 - 23.5)     | 56,599              | (35,038 - 78,161)         |
| AR           | Other | 95          | 18.9                 | 6.34           | (6.3 - 31.5)      | 8,337               | (2,142 - 14,531)          |
| AR           | Multi | 83          | 37.9                 | 9.65           | (18.7 - 57.1)     | 12,896              | (4,234 - 21,558)          |
| CA           | White | 14,966      | 13.5                 | 0.38           | (12.7 - 14.2)     | 2,687,224           | (2,531,858 - 2,842,591)   |
| CA           | Black | 867         | 18.9                 | 1.77           | (15.4 - 22.3)     | 387,122             | (308,147 - 466,097)       |
| CA           | Other | 1,657       | 12.8                 | 1.02           | (10.8 - 14.7)     | 641,133             | (534,017 - 748,249)       |
| CA           | Multi | 411         | 22.1                 | 2.78           | (16.6 - 27.6)     | 166,898             | (119,903 - 213,893)       |
| CO           | White | 11,991      | 13.2                 | 0.47           | (12.2 - 14.1)     | 417,716             | (387,654 - 447,778)       |
| CO           | Black | 287         | 13.0                 | 2.58           | (7.9 - 18.1)      | 20,036              | (11,713 - 28,360)         |
| CO           | Other | 803         | 10.8                 | 1.55           | (7.8 - 13.9)      | 38,354              | (27,001 - 49,707)         |
| CO           | Multi | 263         | 16.3                 | 3.13           | (10.1 - 22.5)     | 12,178              | (7,355 - 17,001)          |
| CT           | White | 5,562       | 14.2                 | 0.74           | (12.7 - 15.6)     | 304,673             | (271,300 - 338,045)       |

## Notes:

\*CI denotes confidence interval.

\*\*U.S. Total includes 50 states plus the District of Columbia and excludes the three territories.

If values for the standard error and the 95% confidence interval are not provided, the normal approximation to the binomial distribution does not apply due to small sample size.

When the sample size is less than 50, estimates are not precise and should be interpreted with caution.

**Table L4**  
**Adult Self-Reported Lifetime Asthma Prevalence Rate (Percent)**  
**and Prevalence (Number) by Race and State or Territory: BRFSS 2011**

| State | Race  | Sample Size | Prevalence (percent) | Standard Error | 95% CI* (percent) |  | Prevalence (number) | 95% CI* (number)        |
|-------|-------|-------------|----------------------|----------------|-------------------|--|---------------------|-------------------------|
| CT    | Black | 534         | 19.4                 | 2.32           | (14.9 - 24.0)     |  | 48,378              | (36,165 - 60,591)       |
| CT    | Other | 539         | 14.3                 | 2.00           | (10.4 - 18.2)     |  | 40,466              | (28,669 - 52,264)       |
| CT    | Multi | 69          | 36.4                 | 8.59           | (19.2 - 53.5)     |  | 9,645               | (3,617 - 15,673)        |
| DE    | White | 3,724       | 13.3                 | 0.84           | (11.6 - 14.9)     |  | 64,860              | (56,359 - 73,360)       |
| DE    | Black | 697         | 17.0                 | 1.94           | (13.2 - 20.8)     |  | 23,182              | (17,606 - 28,758)       |
| DE    | Other | 192         | 8.5                  | 2.32           | (4.0 - 13.1)      |  | 3,751               | (1,734 - 5,768)         |
| DE    | Multi | 85          | 29.2                 | 6.47           | (16.4 - 42.1)     |  | 3,167               | (1,492 - 4,841)         |
| DC    | White | 2,087       | 12.8                 | 1.08           | (10.7 - 14.9)     |  | 25,503              | (21,039 - 29,967)       |
| DC    | Black | 2,067       | 18.3                 | 1.38           | (15.6 - 21.0)     |  | 42,821              | (35,950 - 49,691)       |
| DC    | Other | 234         | 12.9                 | 3.21           | (6.6 - 19.2)      |  | 4,704               | (2,261 - 7,147)         |
| DC    | Multi | 73          | 32.3                 | 9.51           | (13.3 - 51.2)     |  | 2,605               | (855 - 4,355)           |
| FL    | White | 10,297      | 12.1                 | 0.51           | (11.1 - 13.1)     |  | 1,341,586           | (1,226,131 - 1,457,042) |
| FL    | Black | 1,159       | 13.4                 | 1.55           | (10.4 - 16.5)     |  | 278,949             | (211,278 - 346,620)     |
| FL    | Other | 423         | 11.7                 | 1.96           | (7.9 - 15.6)      |  | 101,255             | (66,493 - 136,016)      |
| FL    | Multi | 195         | 21.0                 | 4.32           | (12.4 - 29.5)     |  | 53,308              | (28,494 - 78,122)       |
| GA    | White | 6,989       | 14.6                 | 0.69           | (13.2 - 15.9)     |  | 644,808             | (581,291 - 708,326)     |
| GA    | Black | 2,280       | 14.8                 | 1.21           | (12.4 - 17.2)     |  | 302,501             | (250,326 - 354,675)     |
| GA    | Other | 418         | 6.8                  | 1.35           | (4.2 - 9.5)       |  | 37,113              | (22,670 - 51,555)       |
| GA    | Multi | 119         | 22.4                 | 5.82           | (10.9 - 34.0)     |  | 22,099              | (8,840 - 35,359)        |
| HI    | White | 2,673       | 15.6                 | 1.24           | (13.2 - 18.0)     |  | 48,148              | (39,909 - 56,388)       |
| HI    | Black | 50          | 14.8                 | 6.37           | (2.0 - 27.6)      |  | 1,788               | (159 - 3,417)           |
| HI    | Other | 2,987       | 13.5                 | 0.96           | (11.6 - 15.4)     |  | 64,130              | (54,675 - 73,585)       |
| HI    | Multi | 1,827       | 22.4                 | 1.62           | (19.2 - 25.6)     |  | 55,357              | (46,327 - 64,387)       |
| ID    | White | 5,672       | 12.5                 | 0.68           | (11.1 - 13.8)     |  | 128,787             | (114,606 - 142,968)     |
| ID    | Black | 8           | 5.5                  |                |                   |  | 189                 |                         |
| ID    | Other | 122         | 22.6                 | 5.71           | (11.3 - 33.9)     |  | 7,717               | (3,424 - 12,010)        |
| ID    | Multi | 97          | 36.4                 | 7.71           | (21.1 - 51.7)     |  | 9,357               | (4,208 - 14,506)        |
| IL    | White | 4,611       | 12.7                 | 0.73           | (11.3 - 14.1)     |  | 910,610             | (804,869 - 1,016,350)   |
| IL    | Black | 532         | 18.5                 | 2.38           | (13.8 - 23.1)     |  | 247,384             | (178,805 - 315,964)     |

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**Table L4**  
**Adult Self-Reported Lifetime Asthma Prevalence Rate (Percent)**  
**and Prevalence (Number) by Race and State or Territory: BRFSS 2011**

| State | Race  | Sample Size | Prevalence (percent) | Standard Error | 95% CI* (percent) |  | Prevalence (number) | 95% CI* (number)    |
|-------|-------|-------------|----------------------|----------------|-------------------|--|---------------------|---------------------|
| IL    | Other | 241         | 10.7                 | 2.60           | (5.6 - 15.9)      |  | 99,723              | (49,284 - 150,162)  |
| IL    | Multi | 59          | 23.3                 | 6.77           | (9.7 - 36.8)      |  | 46,351              | (16,707 - 75,995)   |
| IN    | White | 7,060       | 13.4                 | 0.56           | (12.3 - 14.5)     |  | 566,083             | (517,741 - 614,425) |
| IN    | Black | 976         | 17.4                 | 2.15           | (13.1 - 21.6)     |  | 71,384              | (52,505 - 90,263)   |
| IN    | Other | 153         | 16.3                 | 4.59           | (7.2 - 25.3)      |  | 15,336              | (5,795 - 24,877)    |
| IN    | Multi | 115         | 24.6                 | 5.13           | (14.5 - 34.8)     |  | 14,199              | (7,730 - 20,668)    |
| IA    | White | 6,890       | 11.7                 | 0.54           | (10.6 - 12.7)     |  | 249,378             | (226,022 - 272,734) |
| IA    | Black | 125         | 18.9                 | 4.42           | (10.1 - 27.6)     |  | 9,791               | (4,788 - 14,794)    |
| IA    | Other | 208         | 7.5                  | 2.12           | (3.3 - 11.7)      |  | 6,935               | (2,936 - 10,934)    |
| IA    | Multi | 61          | 28.2                 | 7.60           | (13.0 - 43.4)     |  | 7,262               | (2,570 - 11,954)    |
| KS    | White | 18,478      | 12.9                 | 0.34           | (12.2 - 13.6)     |  | 231,713             | (219,148 - 244,277) |
| KS    | Black | 785         | 17.7                 | 2.07           | (13.6 - 21.8)     |  | 20,796              | (15,467 - 26,125)   |
| KS    | Other | 1,003       | 8.5                  | 1.00           | (6.5 - 10.4)      |  | 15,527              | (11,838 - 19,216)   |
| KS    | Multi | 311         | 19.2                 | 2.95           | (13.4 - 25.0)     |  | 5,176               | (3,465 - 6,888)     |
| KY    | White | 9,184       | 14.8                 | 0.58           | (13.7 - 15.9)     |  | 440,626             | (405,387 - 475,865) |
| KY    | Black | 1,152       | 16.7                 | 3.01           | (10.8 - 22.6)     |  | 39,900              | (24,243 - 55,557)   |
| KY    | Other | 188         | 16.7                 | 5.59           | (5.7 - 27.7)      |  | 10,746              | (2,894 - 18,598)    |
| KY    | Multi | 234         | 26.8                 | 5.54           | (15.9 - 37.7)     |  | 7,335               | (4,178 - 10,493)    |
| LA    | White | 7,670       | 10.3                 | 0.58           | (9.1 - 11.4)      |  | 226,082             | (199,870 - 252,294) |
| LA    | Black | 2,728       | 12.4                 | 1.03           | (10.4 - 14.5)     |  | 126,314             | (104,594 - 148,034) |
| LA    | Other | 315         | 15.1                 | 2.97           | (9.2 - 20.9)      |  | 18,481              | (10,810 - 26,151)   |
| LA    | Multi | 117         | 18.0                 | 5.29           | (7.6 - 28.5)      |  | 5,452               | (1,957 - 8,948)     |
| ME    | White | 12,641      | 16.5                 | 0.48           | (15.6 - 17.5)     |  | 167,169             | (157,039 - 177,299) |
| ME    | Black | 63          | 16.7                 | 7.95           | (0.8 - 32.6)      |  | 1,017               | (0 - 2,108)         |
| ME    | Other | 215         | 21.2                 | 3.83           | (13.6 - 28.7)     |  | 3,697               | (2,221 - 5,173)     |
| ME    | Multi | 140         | 27.9                 | 5.69           | (16.6 - 39.1)     |  | 2,998               | (1,612 - 4,384)     |
| MD    | White | 7,338       | 13.2                 | 0.68           | (11.9 - 14.5)     |  | 348,201             | (310,655 - 385,746) |
| MD    | Black | 2,056       | 15.3                 | 1.24           | (12.8 - 17.7)     |  | 190,097             | (157,001 - 223,193) |
| MD    | Other | 418         | 12.6                 | 2.48           | (7.7 - 17.4)      |  | 45,074              | (26,203 - 63,944)   |

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**Adult Self-Reported Lifetime Asthma Prevalence Rate (Percent)**  
**and Prevalence (Number) by Race and State or Territory: BRFSS 2011**

| State | Race  | Sample Size | Prevalence (percent) | Standard Error | 95% CI* (percent) |  | Prevalence (number) | 95% CI* (number)    |
|-------|-------|-------------|----------------------|----------------|-------------------|--|---------------------|---------------------|
| MD    | Multi | 135         | 19.0                 | 5.30           | (8.6 - 29.5)      |  | 18,582              | (6,905 - 30,259)    |
| MA    | White | 18,332      | 15.1                 | 0.48           | (14.2 - 16.0)     |  | 622,903             | (581,629 - 664,177) |
| MA    | Black | 1,526       | 16.1                 | 1.57           | (13.0 - 19.2)     |  | 47,342              | (37,615 - 57,069)   |
| MA    | Other | 1,716       | 15.9                 | 1.53           | (12.9 - 18.9)     |  | 86,437              | (68,432 - 104,442)  |
| MA    | Multi | 272         | 22.2                 | 3.67           | (14.9 - 29.4)     |  | 15,180              | (10,036 - 20,324)   |
| MI    | White | 8,949       | 14.1                 | 0.55           | (13.0 - 15.2)     |  | 860,728             | (791,762 - 929,694) |
| MI    | Black | 1,323       | 17.6                 | 1.64           | (14.4 - 20.8)     |  | 174,681             | (139,956 - 209,407) |
| MI    | Other | 318         | 17.1                 | 3.89           | (9.4 - 24.8)      |  | 40,910              | (20,404 - 61,415)   |
| MI    | Multi | 277         | 19.2                 | 3.28           | (12.7 - 25.6)     |  | 22,843              | (14,791 - 30,895)   |
| MN    | White | 13,899      | 10.7                 | 0.41           | (9.9 - 11.5)      |  | 376,920             | (347,586 - 406,254) |
| MN    | Black | 526         | 12.1                 | 1.78           | (8.5 - 15.6)      |  | 19,591              | (13,654 - 25,527)   |
| MN    | Other | 653         | 10.0                 | 1.73           | (6.6 - 13.4)      |  | 27,046              | (17,332 - 36,759)   |
| MN    | Multi | 135         | 30.8                 | 7.13           | (16.7 - 44.9)     |  | 12,240              | (4,975 - 19,506)    |
| MS    | White | 5,748       | 11.5                 | 0.62           | (10.3 - 12.8)     |  | 156,800             | (139,375 - 174,225) |
| MS    | Black | 2,891       | 13.3                 | 0.94           | (11.4 - 15.1)     |  | 100,714             | (85,799 - 115,628)  |
| MS    | Other | 150         | 18.9                 | 4.12           | (10.8 - 27.0)     |  | 9,896               | (5,177 - 14,615)    |
| MS    | Multi | 47          | 22.9                 | 6.94           | (8.9 - 36.8)      |  | 4,531               | (1,553 - 7,508)     |
| MO    | White | 5,461       | 13.1                 | 0.66           | (11.8 - 14.4)     |  | 503,394             | (451,467 - 555,321) |
| MO    | Black | 565         | 19.2                 | 2.45           | (14.4 - 24.0)     |  | 92,175              | (66,648 - 117,703)  |
| MO    | Other | 181         | 10.5                 | 2.87           | (4.9 - 16.2)      |  | 16,694              | (7,517 - 25,871)    |
| MO    | Multi | 143         | 25.2                 | 6.25           | (12.8 - 37.5)     |  | 14,477              | (6,272 - 22,682)    |
| MT    | White | 9,119       | 12.6                 | 0.53           | (11.6 - 13.7)     |  | 87,255              | (79,774 - 94,736)   |
| MT    | Black | 6           | 63.9                 |                |                   |  | 504                 |                     |
| MT    | Other | 812         | 18.7                 | 2.41           | (14.0 - 23.4)     |  | 10,390              | (7,440 - 13,341)    |
| MT    | Multi | 243         | 20.7                 | 4.35           | (12.1 - 29.3)     |  | 3,292               | (1,768 - 4,815)     |
| NE    | White | 23,076      | 11.5                 | 0.32           | (10.8 - 12.1)     |  | 136,068             | (128,350 - 143,785) |
| NE    | Black | 665         | 17.7                 | 2.07           | (13.6 - 21.7)     |  | 9,613               | (7,225 - 12,001)    |
| NE    | Other | 1,174       | 7.3                  | 0.92           | (5.5 - 9.1)       |  | 7,031               | (5,258 - 8,804)     |
| NE    | Multi | 284         | 20.1                 | 3.57           | (13.1 - 27.1)     |  | 2,687               | (1,684 - 3,690)     |

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**and Prevalence (Number) by Race and State or Territory: BRFSS 2011**

| State | Race  | Sample Size | Prevalence (percent) | Standard Error | 95% CI* (percent) |  | Prevalence (number) | 95% CI* (number)        |
|-------|-------|-------------|----------------------|----------------|-------------------|--|---------------------|-------------------------|
| NV    | White | 4,422       | 14.4                 | 0.94           | (12.6 - 16.2)     |  | 189,713             | (164,224 - 215,201)     |
| NV    | Black | 237         | 19.9                 | 3.63           | (12.7 - 27.0)     |  | 29,770              | (17,977 - 41,564)       |
| NV    | Other | 567         | 10.1                 | 1.86           | (6.5 - 13.8)      |  | 46,664              | (29,026 - 64,303)       |
| NV    | Multi | 167         | 20.2                 | 5.30           | (9.7 - 30.6)      |  | 10,059              | (4,388 - 15,730)        |
| NH    | White | 5,984       | 15.2                 | 0.68           | (13.9 - 16.6)     |  | 146,632             | (133,071 - 160,194)     |
| NH    | Black | 39          | 35.5                 | 13.38          | (8.4 - 62.5)      |  | 3,533               | (0 - 7,400)             |
| NH    | Other | 196         | 14.6                 | 3.47           | (7.7 - 21.4)      |  | 5,559               | (2,732 - 8,385)         |
| NH    | Multi | 41          | 24.2                 | 7.86           | (8.3 - 40.1)      |  | 1,949               | (581 - 3,318)           |
| NJ    | White | 11,503      | 13.1                 | 0.51           | (12.1 - 14.1)     |  | 593,014             | (545,446 - 640,583)     |
| NJ    | Black | 1,863       | 15.5                 | 1.35           | (12.8 - 18.1)     |  | 137,150             | (111,594 - 162,707)     |
| NJ    | Other | 1,539       | 10.6                 | 1.17           | (8.3 - 12.9)      |  | 118,772             | (91,381 - 146,164)      |
| NJ    | Multi | 138         | 11.9                 | 3.61           | (4.8 - 19.1)      |  | 9,369               | (3,445 - 15,292)        |
| NM    | White | 7,203       | 15.1                 | 0.60           | (14.0 - 16.3)     |  | 164,983             | (151,511 - 178,455)     |
| NM    | Black | 139         | 22.8                 | 5.51           | (11.9 - 33.7)     |  | 6,963               | (2,975 - 10,951)        |
| NM    | Other | 1,775       | 14.8                 | 1.12           | (12.7 - 17.0)     |  | 54,846              | (46,161 - 63,532)       |
| NM    | Multi | 121         | 19.5                 | 4.48           | (10.6 - 28.4)     |  | 5,155               | (2,632 - 7,678)         |
| NY    | White | 5,686       | 13.5                 | 0.64           | (12.2 - 14.7)     |  | 1,368,890           | (1,236,429 - 1,501,351) |
| NY    | Black | 1,087       | 20.5                 | 2.02           | (16.5 - 24.4)     |  | 472,007             | (365,457 - 578,557)     |
| NY    | Other | 422         | 10.9                 | 1.87           | (7.2 - 14.6)      |  | 146,494             | (94,453 - 198,534)      |
| NY    | Multi | 93          | 33.5                 | 5.61           | (22.4 - 44.6)     |  | 95,060              | (58,534 - 131,587)      |
| NC    | White | 8,714       | 13.3                 | 0.63           | (12.1 - 14.5)     |  | 677,931             | (611,478 - 744,385)     |
| NC    | Black | 1,791       | 14.8                 | 1.27           | (12.3 - 17.3)     |  | 215,253             | (176,859 - 253,646)     |
| NC    | Other | 776         | 9.3                  | 1.55           | (6.3 - 12.4)      |  | 56,057              | (37,082 - 75,032)       |
| NC    | Multi | 146         | 7.0                  | 2.11           | (2.9 - 11.2)      |  | 3,537               | (1,561 - 5,513)         |
| ND    | White | 4,997       | 11.3                 | 0.64           | (10.1 - 12.6)     |  | 53,458              | (47,376 - 59,541)       |
| ND    | Black | 24          | 8.3                  |                |                   |  | 388                 |                         |
| ND    | Other | 173         | 14.9                 | 4.07           | (6.8 - 22.9)      |  | 4,243               | (1,710 - 6,776)         |
| ND    | Multi | 44          | 18.0                 | 7.21           | (3.4 - 32.5)      |  | 1,149               | (115 - 2,182)           |
| OH    | White | 8,514       | 13.2                 | 0.55           | (12.2 - 14.3)     |  | 975,891             | (893,630 - 1,058,152)   |

## Notes:

\*CI denotes confidence interval.

\*\*U.S. Total includes 50 states plus the District of Columbia and excludes the three territories.

If values for the standard error and the 95% confidence interval are not provided, the normal approximation to the binomial distribution does not apply due to small sample size.

When the sample size is less than 50, estimates are not precise and should be interpreted with caution.

**Table L4**  
**Adult Self-Reported Lifetime Asthma Prevalence Rate (Percent)**  
**and Prevalence (Number) by Race and State or Territory: BRFSS 2011**

| State | Race  | Sample Size | Prevalence (percent) | Standard Error | 95% CI* (percent) |  | Prevalence (number) | 95% CI* (number)      |
|-------|-------|-------------|----------------------|----------------|-------------------|--|---------------------|-----------------------|
| OH    | Black | 923         | 14.4                 | 1.73           | (11.0 - 17.8)     |  | 141,237             | (105,459 - 177,016)   |
| OH    | Other | 244         | 16.8                 | 4.01           | (9.0 - 24.7)      |  | 39,722              | (19,167 - 60,276)     |
| OH    | Multi | 127         | 25.0                 | 5.80           | (13.5 - 36.5)     |  | 33,771              | (16,720 - 50,823)     |
| OK    | White | 6,463       | 14.1                 | 0.64           | (12.8 - 15.4)     |  | 300,463             | (272,073 - 328,852)   |
| OK    | Black | 533         | 14.4                 | 2.57           | (9.4 - 19.5)      |  | 29,482              | (18,271 - 40,693)     |
| OK    | Other | 860         | 14.4                 | 1.68           | (11.1 - 17.7)     |  | 52,439              | (39,428 - 65,449)     |
| OK    | Multi | 616         | 19.8                 | 2.79           | (14.3 - 25.3)     |  | 22,801              | (15,573 - 30,030)     |
| OR    | White | 5,377       | 16.8                 | 0.69           | (15.5 - 18.2)     |  | 427,433             | (391,180 - 463,687)   |
| OR    | Black | 39          | 26.9                 | 8.96           | (8.8 - 45.0)      |  | 12,264              | (2,287 - 22,240)      |
| OR    | Other | 252         | 11.8                 | 2.56           | (6.7 - 16.8)      |  | 28,026              | (15,474 - 40,578)     |
| OR    | Multi | 497         | 25.5                 | 5.16           | (15.4 - 35.7)     |  | 25,619              | (12,890 - 38,347)     |
| PA    | White | 9,946       | 11.9                 | 0.49           | (10.9 - 12.9)     |  | 980,481             | (898,611 - 1,062,351) |
| PA    | Black | 938         | 18.5                 | 1.86           | (14.9 - 22.2)     |  | 185,144             | (144,969 - 225,319)   |
| PA    | Other | 225         | 18.0                 | 4.02           | (10.1 - 25.9)     |  | 52,757              | (26,663 - 78,851)     |
| PA    | Multi | 140         | 14.6                 | 3.55           | (7.5 - 21.6)      |  | 19,126              | (9,544 - 28,708)      |
| RI    | White | 5,707       | 16.0                 | 0.70           | (14.6 - 17.3)     |  | 109,526             | (99,667 - 119,384)    |
| RI    | Black | 228         | 16.6                 | 3.17           | (10.4 - 22.9)     |  | 6,888               | (4,075 - 9,700)       |
| RI    | Other | 438         | 18.4                 | 2.49           | (13.5 - 23.2)     |  | 14,191              | (10,003 - 18,380)     |
| RI    | Multi | 50          | 15.7                 | 5.45           | (4.8 - 26.7)      |  | 1,496               | (479 - 2,514)         |
| SC    | White | 8,647       | 12.8                 | 0.58           | (11.7 - 14.0)     |  | 310,758             | (282,086 - 339,430)   |
| SC    | Black | 3,631       | 13.0                 | 0.92           | (11.2 - 14.8)     |  | 121,847             | (103,911 - 139,782)   |
| SC    | Other | 319         | 11.6                 | 3.14           | (5.4 - 17.8)      |  | 15,244              | (6,592 - 23,896)      |
| SC    | Multi | 205         | 20.4                 | 4.12           | (12.3 - 28.5)     |  | 5,690               | (3,459 - 7,921)       |
| SD    | White | 7,147       | 10.5                 | 0.69           | (9.1 - 11.8)      |  | 57,169              | (49,584 - 64,754)     |
| SD    | Black | 22          | 17.1                 |                |                   |  | 977                 |                       |
| SD    | Other | 937         | 18.3                 | 2.83           | (12.7 - 23.8)     |  | 9,093               | (6,073 - 12,113)      |
| SD    | Multi | 97          | 17.7                 | 6.43           | (4.9 - 30.4)      |  | 1,591               | (391 - 2,792)         |
| TN    | White | 4,967       | 10.3                 | 0.97           | (8.3 - 12.2)      |  | 398,012             | (322,458 - 473,566)   |
| TN    | Black | 730         | 9.5                  | 2.34           | (4.9 - 14.1)      |  | 70,778              | (35,300 - 106,257)    |

## Notes:

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If values for the standard error and the 95% confidence interval are not provided, the normal approximation to the binomial distribution does not apply due to small sample size.

When the sample size is less than 50, estimates are not precise and should be interpreted with caution.

**Table L4**  
**Adult Self-Reported Lifetime Asthma Prevalence Rate (Percent)**  
**and Prevalence (Number) by Race and State or Territory: BRFSS 2011**

| State | Race  | Sample Size | Prevalence (percent) | Standard Error | 95% CI* (percent) |  | Prevalence (number) | 95% CI* (number)        |
|-------|-------|-------------|----------------------|----------------|-------------------|--|---------------------|-------------------------|
| TN    | Other | 95          | 9.9                  | 5.15           | (0.0 - 20.1)      |  | 14,326              | (0 - 29,437)            |
| TN    | Multi | 74          | 25.7                 | 10.27          | (5.2 - 46.1)      |  | 21,424              | (1,164 - 41,684)        |
| TX    | White | 12,007      | 12.7                 | 0.56           | (11.6 - 13.8)     |  | 1,635,326           | (1,487,625 - 1,783,027) |
| TX    | Black | 1,111       | 14.7                 | 1.68           | (11.4 - 18.0)     |  | 309,806             | (235,688 - 383,925)     |
| TX    | Other | 626         | 7.9                  | 1.45           | (5.1 - 10.8)      |  | 91,772              | (58,360 - 125,183)      |
| TX    | Multi | 203         | 21.9                 | 4.40           | (13.3 - 30.6)     |  | 51,663              | (29,997 - 73,330)       |
| UT    | White | 11,427      | 13.7                 | 0.46           | (12.8 - 14.6)     |  | 225,661             | (210,224 - 241,098)     |
| UT    | Black | 66          | 10.7                 | 4.05           | (2.6 - 18.7)      |  | 1,975               | (408 - 3,542)           |
| UT    | Other | 915         | 11.7                 | 1.47           | (8.8 - 14.6)      |  | 27,588              | (20,306 - 34,871)       |
| UT    | Multi | 123         | 23.3                 | 5.60           | (12.3 - 34.4)     |  | 4,626               | (2,057 - 7,194)         |
| VT    | White | 6,742       | 15.8                 | 0.64           | (14.6 - 17.1)     |  | 75,215              | (68,991 - 81,439)       |
| VT    | Black | 35          | 15.6                 | 8.88           | (0.0 - 33.6)      |  | 480                 | (0 - 1,048)             |
| VT    | Other | 167         | 11.7                 | 3.31           | (5.2 - 18.2)      |  | 1,455               | (625 - 2,285)           |
| VT    | Multi | 71          | 31.1                 | 8.11           | (14.9 - 47.3)     |  | 1,112               | (399 - 1,825)           |
| VA    | White | 5,073       | 12.8                 | 0.74           | (11.3 - 14.2)     |  | 546,047             | (480,589 - 611,505)     |
| VA    | Black | 984         | 13.1                 | 1.49           | (10.2 - 16.0)     |  | 150,282             | (115,113 - 185,451)     |
| VA    | Other | 334         | 11.3                 | 2.79           | (5.9 - 16.8)      |  | 57,849              | (27,713 - 87,985)       |
| VA    | Multi | 99          | 22.0                 | 5.98           | (10.2 - 33.9)     |  | 28,905              | (10,931 - 46,878)       |
| WA    | White | 12,885      | 14.8                 | 0.55           | (13.8 - 15.9)     |  | 600,363             | (555,213 - 645,512)     |
| WA    | Black | 195         | 14.5                 | 3.53           | (7.5 - 21.4)      |  | 21,336              | (10,221 - 32,451)       |
| WA    | Other | 841         | 11.3                 | 1.55           | (8.2 - 14.3)      |  | 71,577              | (51,184 - 91,970)       |
| WA    | Multi | 392         | 30.0                 | 4.19           | (21.8 - 38.3)     |  | 37,537              | (24,744 - 50,329)       |
| WV    | White | 4,996       | 11.5                 | 0.59           | (10.4 - 12.7)     |  | 158,978             | (142,469 - 175,487)     |
| WV    | Black | 137         | 20.7                 | 4.74           | (11.4 - 30.1)     |  | 10,323              | (5,055 - 15,591)        |
| WV    | Other | 63          | 12.0                 | 4.26           | (3.5 - 20.5)      |  | 1,850               | (508 - 3,191)           |
| WV    | Multi | 64          | 20.1                 | 5.76           | (8.6 - 31.6)      |  | 2,627               | (989 - 4,265)           |
| WI    | White | 4,456       | 11.6                 | 0.70           | (10.2 - 13.0)     |  | 446,355             | (392,433 - 500,276)     |
| WI    | Black | 497         | 19.4                 | 4.28           | (10.9 - 27.8)     |  | 44,190              | (22,599 - 65,780)       |
| WI    | Other | 262         | 4.5                  | 1.57           | (1.4 - 7.6)       |  | 10,750              | (3,509 - 17,991)        |

## Notes:

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If values for the standard error and the 95% confidence interval are not provided, the normal approximation to the binomial distribution does not apply due to small sample size.

When the sample size is less than 50, estimates are not precise and should be interpreted with caution.

**Table L4**  
**Adult Self-Reported Lifetime Asthma Prevalence Rate (Percent)**  
**and Prevalence (Number) by Race and State or Territory: BRFSS 2011**

| State       | Race  | Sample Size | Prevalence (percent) | Standard Error | 95% CI* (percent) | <br>  <br> | Prevalence (number) | 95% CI* (number)    |
|-------------|-------|-------------|----------------------|----------------|-------------------|------------|---------------------|---------------------|
| WI          | Multi | 41          | 37.3                 | 18.92          | (0.0 - 75.5)      |            | 13,807              | (0 - 33,551)        |
| WY          | White | 6,420       | 13.4                 | 0.68           | (12.0 - 14.7)     |            | 51,845              | (46,374 - 57,316)   |
| WY          | Black | 30          | 23.8                 | 11.35          | (0.6 - 47.0)      |            | 832                 | (0 - 1,809)         |
| WY          | Other | 136         | 15.7                 | 4.65           | (6.5 - 24.9)      |            | 2,064               | (726 - 3,402)       |
| WY          | Multi | 89          | 15.7                 | 6.70           | (2.4 - 29.0)      |            | 1,329               | (61 - 2,596)        |
| Territories |       |             |                      |                |                   |            |                     |                     |
| PR          | White | 3,872       | 17.5                 | 0.78           | (16.0 - 19.1)     |            | 274,176             | (248,862 - 299,489) |
| PR          | Black | 385         | 17.6                 | 2.36           | (12.9 - 22.2)     |            | 32,385              | (23,010 - 41,760)   |
| PR          | Other | 2,319       | 16.7                 | 0.94           | (14.8 - 18.5)     |            | 181,736             | (160,279 - 203,192) |
| PR          | Multi | 19          | 18.6                 |                |                   |            | 1,256               |                     |

## Notes:

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