

**Table L4**  
**Adult Self-Reported Lifetime Asthma Prevalence Rate (Percent)**  
**and Prevalence (Number) by Race and State or Territory: BRFSS 2015**

State	Race	Sample Size	Prevalence (percent)	Standard Error	95% CI* (percent)	Prevalence (number)	95% CI* (number)
U.S. Total**	White	354,837	13.6	0.11	(13.4 - 13.9)	24,749,731	(24,328,858 - 25,170,605)
U.S. Total**	Black	35,571	16.1	0.35	(15.4 - 16.8)	4,913,297	(4,684,474 - 5,142,121)
U.S. Total**	Other	25,025	11.6	0.39	(10.9 - 12.4)	2,866,427	(2,665,816 - 3,067,038)
U.S. Total**	Multi	8,768	20.6	0.82	(19.0 - 22.2)	859,633	(786,311 - 932,954)
AL	White	5,457	15.4	0.68	(14.0 - 16.7)	393,860	(358,160 - 429,561)
AL	Black	2,057	16.8	1.23	(14.4 - 19.2)	160,643	(135,805 - 185,481)
AL	Other	258	10.1	2.48	(5.2 - 15.0)	15,670	(7,920 - 23,420)
AL	Multi	82	24.1	5.84	(12.5 - 35.7)	7,305	(3,364 - 11,246)
AK	White	2,602	12.6	1.08	(10.5 - 14.7)	47,245	(39,049 - 55,441)
AK	Black	60	18.7	6.64	(5.4 - 32.0)	4,749	(998 - 8,499)
AK	Other	740	13.9	2.88	(8.3 - 19.6)	15,605	(8,618 - 22,592)
AK	Multi	157	16.8	4.52	(7.9 - 25.8)	4,623	(1,884 - 7,363)
AZ	White	6,475	15.9	0.68	(14.6 - 17.2)	592,541	(540,080 - 645,002)
AZ	Black	226	19.2	3.80	(11.7 - 26.7)	43,875	(24,634 - 63,115)
AZ	Other	810	15.0	1.72	(11.6 - 18.4)	132,037	(99,979 - 164,096)
AZ	Multi	103	22.6	6.07	(10.6 - 34.6)	11,538	(4,377 - 18,698)
AR	White	4,059	14.9	1.03	(12.9 - 16.9)	258,409	(221,254 - 295,564)
AR	Black	807	20.1	2.92	(14.3 - 25.8)	64,698	(43,998 - 85,398)
AR	Other	203	14.4	4.27	(6.0 - 22.9)	19,543	(7,223 - 31,864)
AR	Multi	98	23.4	8.15	(7.2 - 39.6)	6,631	(1,200 - 12,063)
CA	White	9,016	12.6	0.43	(11.8 - 13.5)	2,468,528	(2,299,079 - 2,637,977)
CA	Black	696	18.6	1.76	(15.2 - 22.1)	371,130	(296,342 - 445,917)
CA	Other	2,462	11.8	0.91	(10.0 - 13.5)	912,908	(764,873 - 1,060,943)
CA	Multi	368	16.6	2.33	(12.0 - 21.2)	103,940	(73,207 - 134,674)
CO	White	11,543	13.9	0.53	(12.9 - 15.0)	483,156	(445,528 - 520,784)
CO	Black	422	17.4	2.75	(12.0 - 22.8)	28,879	(19,095 - 38,662)
CO	Other	851	14.4	2.09	(10.3 - 18.5)	45,834	(31,456 - 60,212)
CO	Multi	225	17.7	3.48	(10.8 - 24.6)	13,049	(7,756 - 18,342)

## Notes:

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CT	White	9,495	16.1	0.56	(15.0 - 17.2)		344,716	(319,833 - 369,599)
CT	Black	1,093	19.1	1.82	(15.5 - 22.7)		55,861	(44,427 - 67,296)
CT	Other	865	15.5	1.70	(12.1 - 18.8)		45,420	(34,880 - 55,961)
CT	Multi	128	19.5	5.90	(7.8 - 31.1)		5,378	(1,774 - 8,981)
DE	White	3,050	14.3	0.99	(12.4 - 16.3)		71,911	(61,563 - 82,260)
DE	Black	642	16.1	2.38	(11.5 - 20.8)		24,557	(16,638 - 32,475)
DE	Other	188	10.9	2.67	(5.6 - 16.2)		5,733	(2,861 - 8,605)
DE	Multi	49	28.5	8.38	(11.6 - 45.3)		2,464	(768 - 4,159)
DC	White	1,756	12.4	1.61	(9.2 - 15.6)		30,378	(22,247 - 38,510)
DC	Black	1,884	22.9	2.06	(18.8 - 26.9)		54,460	(43,482 - 65,438)
DC	Other	181	10.4	3.27	(4.0 - 16.9)		5,096	(1,920 - 8,271)
DC	Multi	80	16.6	5.83	(5.0 - 28.2)		1,438	(433 - 2,444)
FL	White	7,978	12.6	0.53	(11.6 - 13.7)		1,514,314	(1,385,526 - 1,643,102)
FL	Black	952	12.7	1.51	(9.7 - 15.6)		308,505	(231,307 - 385,703)
FL	Other	387	8.8	1.89	(5.1 - 12.5)		84,008	(46,978 - 121,038)
FL	Multi	154	16.0	3.71	(8.7 - 23.3)		39,954	(20,761 - 59,146)
GA	White	3,171	14.0	0.86	(12.3 - 15.7)		647,006	(564,719 - 729,294)
GA	Black	1,153	15.3	1.54	(12.3 - 18.3)		353,638	(277,997 - 429,279)
GA	Other	193	13.0	3.03	(7.0 - 18.9)		63,875	(32,793 - 94,956)
GA	Multi	72	20.8	6.30	(8.3 - 33.4)		30,680	(9,505 - 51,854)
HI	White	2,477	12.1	0.98	(10.2 - 14.1)		39,890	(33,226 - 46,555)
HI	Black	37	5.0				361	
HI	Other	2,533	15.8	1.00	(13.8 - 17.8)		76,113	(65,932 - 86,294)
HI	Multi	2,047	24.0	1.38	(21.3 - 26.7)		70,797	(61,622 - 79,973)
ID	White	5,391	13.4	0.70	(12.1 - 14.8)		148,751	(133,077 - 164,425)
ID	Black	17	8.5				611	
ID	Other	139	17.5	4.65	(8.3 - 26.7)		7,048	(3,009 - 11,088)
ID	Multi	74	25.7	6.12	(13.5 - 37.9)		6,399	(3,029 - 9,769)

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State	Race	Sample Size	Prevalence (percent)	Standard Error	95% CI* (percent)		Prevalence (number)	95% CI* (number)
IL	White	4,230	12.6	0.65	(11.4 - 13.9)		938,580	(841,281 - 1,035,879)
IL	Black	639	18.5	2.03	(14.5 - 22.5)		252,799	(193,762 - 311,836)
IL	Other	283	14.1	2.57	(9.0 - 19.1)		115,737	(70,819 - 160,655)
IL	Multi	78	20.5	5.94	(8.6 - 32.3)		34,292	(12,807 - 55,778)
IN	White	5,398	14.3	0.75	(12.8 - 15.8)		612,711	(547,004 - 678,419)
IN	Black	329	17.0	2.68	(11.8 - 22.3)		75,687	(50,808 - 100,565)
IN	Other	135	16.3	5.00	(6.4 - 26.1)		21,669	(6,861 - 36,476)
IN	Multi	82	32.4	7.88	(16.7 - 48.0)		20,548	(7,768 - 33,329)
IA	White	5,840	11.8	0.58	(10.7 - 12.9)		255,691	(230,493 - 280,889)
IA	Black	124	18.0	4.68	(8.7 - 27.2)		12,001	(5,288 - 18,715)
IA	Other	149	12.4	3.30	(5.8 - 18.9)		14,268	(6,282 - 22,254)
IA	Multi	39	29.3	8.58	(11.9 - 46.6)		8,026	(2,410 - 13,641)
KS	White	20,587	13.2	0.30	(12.6 - 13.8)		245,811	(234,602 - 257,019)
KS	Black	950	17.0	1.62	(13.8 - 20.2)		21,600	(17,219 - 25,981)
KS	Other	621	13.2	1.68	(9.9 - 16.5)		12,411	(9,095 - 15,726)
KS	Multi	414	27.9	2.72	(22.5 - 33.2)		10,298	(7,947 - 12,650)
KY	White	7,536	16.9	0.74	(15.5 - 18.4)		503,529	(457,088 - 549,969)
KY	Black	852	20.7	3.18	(14.4 - 26.9)		54,762	(35,840 - 73,684)
KY	Other	159	28.1	7.68	(12.9 - 43.3)		24,243	(8,129 - 40,357)
KY	Multi	127	31.6	8.26	(15.2 - 47.9)		13,554	(4,959 - 22,150)
LA	White	3,150	13.3	0.83	(11.7 - 14.9)		293,191	(255,812 - 330,571)
LA	Black	1,287	16.0	1.51	(13.1 - 19.0)		174,685	(139,686 - 209,684)
LA	Other	148	18.2	4.26	(9.8 - 26.6)		28,739	(13,764 - 43,713)
LA	Multi	64	24.4	7.12	(10.1 - 38.6)		13,868	(4,454 - 23,281)
ME	White	8,708	15.7	0.58	(14.5 - 16.8)		160,114	(147,937 - 172,291)
ME	Black	39	7.7				807	
ME	Other	131	20.8	5.96	(9.0 - 32.6)		4,401	(1,456 - 7,345)
ME	Multi	76	26.2	7.23	(11.8 - 40.6)		3,058	(1,099 - 5,017)

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State	Race	Sample Size	Prevalence (percent)	Standard Error	95% CI* (percent)		Prevalence (number)	95% CI* (number)
MD	White	9,199	14.1	0.83	(12.4 - 15.7)		376,190	(329,606 - 422,773)
MD	Black	2,424	14.8	1.32	(12.2 - 17.3)		197,810	(160,743 - 234,878)
MD	Other	553	9.9	1.93	(6.1 - 13.7)		47,151	(28,607 - 65,695)
MD	Multi	135	20.0	5.90	(8.4 - 31.7)		9,858	(3,674 - 16,041)
MA	White	7,635	15.9	0.58	(14.7 - 17.0)		673,056	(622,545 - 723,567)
MA	Black	575	16.9	2.12	(12.8 - 21.1)		62,999	(46,300 - 79,697)
MA	Other	559	9.7	1.49	(6.8 - 12.6)		48,505	(33,264 - 63,745)
MA	Multi	186	27.2	4.48	(18.4 - 36.1)		25,446	(15,508 - 35,383)
MI	White	7,306	15.2	0.54	(14.2 - 16.3)		925,272	(857,847 - 992,697)
MI	Black	955	17.5	1.55	(14.5 - 20.6)		178,987	(144,995 - 212,979)
MI	Other	320	17.5	2.91	(11.8 - 23.3)		61,831	(39,304 - 84,358)
MI	Multi	197	22.3	3.78	(14.8 - 29.7)		24,540	(15,534 - 33,547)
MN	White	15,226	10.8	0.32	(10.2 - 11.5)		388,721	(365,673 - 411,769)
MN	Black	467	17.1	1.95	(13.2 - 20.9)		36,176	(27,472 - 44,880)
MN	Other	654	9.9	1.30	(7.4 - 12.5)		30,730	(22,623 - 38,836)
MN	Multi	152	22.6	4.44	(13.8 - 31.3)		9,863	(5,395 - 14,332)
MS	White	3,769	11.5	0.81	(9.9 - 13.1)		156,856	(134,114 - 179,597)
MS	Black	2,109	13.3	1.23	(10.9 - 15.7)		111,109	(89,562 - 132,656)
MS	Other	78	14.1	8.66	(0.0 - 31.3)		6,066	(0 - 14,481)
MS	Multi	28	13.5				1,955	
MO	White	6,211	14.2	0.68	(12.8 - 15.5)		557,629	(503,095 - 612,163)
MO	Black	661	14.7	1.85	(11.0 - 18.3)		74,453	(55,028 - 93,878)
MO	Other	175	15.1	3.29	(8.6 - 21.6)		20,018	(11,000 - 29,037)
MO	Multi	166	22.8	5.09	(12.7 - 32.8)		14,142	(6,714 - 21,570)
MT	White	5,266	12.3	0.67	(11.0 - 13.6)		89,250	(79,471 - 99,029)
MT	Black	15	0.0				0	
MT	Other	552	19.4	3.10	(13.3 - 25.5)		10,638	(6,865 - 14,412)
MT	Multi	111	10.5	3.72	(3.2 - 17.9)		1,312	(355 - 2,268)

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NE	White	16,276	11.9	0.42	(11.0 - 12.7)		146,948	(136,311 - 157,586)
NE	Black	308	17.5	2.92	(11.8 - 23.3)		10,548	(6,755 - 14,341)
NE	Other	483	11.9	2.61	(6.8 - 17.1)		8,033	(4,312 - 11,754)
NE	Multi	151	21.1	4.31	(12.5 - 29.6)		4,300	(2,451 - 6,149)
NV	White	2,292	12.4	1.02	(10.4 - 14.4)		179,188	(150,040 - 208,337)
NV	Black	131	21.2	4.46	(12.4 - 30.0)		40,097	(21,362 - 58,833)
NV	Other	300	11.9	2.66	(6.7 - 17.1)		51,732	(27,760 - 75,704)
NV	Multi	114	24.3	6.83	(10.7 - 37.8)		14,839	(5,314 - 24,364)
NH	White	6,584	15.0	0.67	(13.7 - 16.3)		146,753	(133,239 - 160,267)
NH	Black	48	36.1	11.77	(12.4 - 59.8)		4,040	(338 - 7,742)
NH	Other	195	12.9	3.65	(5.7 - 20.1)		5,777	(2,256 - 9,299)
NH	Multi	73	26.7	7.22	(12.3 - 41.1)		4,213	(1,437 - 6,988)
NJ	White	8,565	11.1	0.58	(9.9 - 12.2)		505,827	(451,798 - 559,856)
NJ	Black	1,435	18.2	1.60	(15.1 - 21.4)		165,005	(133,811 - 196,199)
NJ	Other	905	8.2	1.11	(6.1 - 10.4)		86,057	(63,012 - 109,103)
NJ	Multi	113	24.3	5.24	(13.9 - 34.7)		23,426	(12,139 - 34,713)
NM	White	5,328	15.3	0.82	(13.7 - 16.9)		182,520	(162,439 - 202,602)
NM	Black	86	18.5	5.25	(8.0 - 28.9)		6,803	(2,717 - 10,888)
NM	Other	1,004	14.5	1.68	(11.2 - 17.8)		40,002	(30,205 - 49,799)
NM	Multi	96	17.3	5.69	(6.0 - 28.6)		4,898	(1,576 - 8,220)
NY	White	9,209	14.6	0.51	(13.6 - 15.6)		1,461,883	(1,356,677 - 1,567,090)
NY	Black	1,520	16.0	1.16	(13.7 - 18.3)		397,330	(337,189 - 457,472)
NY	Other	812	10.9	1.46	(8.0 - 13.8)		203,944	(146,765 - 261,124)
NY	Multi	162	17.5	3.62	(10.4 - 24.7)		33,803	(19,044 - 48,561)
NC	White	4,677	13.5	0.65	(12.2 - 14.8)		716,109	(644,650 - 787,567)
NC	Black	1,347	15.0	1.21	(12.6 - 17.4)		247,097	(205,259 - 288,935)
NC	Other	418	8.2	1.63	(5.0 - 11.4)		45,114	(26,780 - 63,447)
NC	Multi	111	16.3	4.13	(8.2 - 24.5)		17,203	(7,807 - 26,598)

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ND	White	4,606	12.3	0.67	(11.0 - 13.6)		64,821	(57,688 - 71,953)
ND	Black	42	23.5	7.20	(9.0 - 38.1)		3,240	(1,027 - 5,454)
ND	Other	214	14.4	3.10	(8.3 - 20.5)		4,840	(2,662 - 7,019)
ND	Multi	55	21.5	8.06	(5.3 - 37.6)		1,506	(197 - 2,815)
OH	White	10,560	13.4	0.58	(12.3 - 14.5)		988,308	(900,160 - 1,076,457)
OH	Black	762	17.8	2.23	(13.4 - 22.2)		186,898	(135,546 - 238,251)
OH	Other	264	11.8	3.49	(4.9 - 18.6)		35,614	(13,428 - 57,800)
OH	Multi	152	23.2	5.27	(12.8 - 33.6)		31,494	(15,571 - 47,416)
OK	White	5,521	14.2	0.75	(12.8 - 15.7)		316,352	(281,697 - 351,006)
OK	Black	410	15.1	2.58	(10.0 - 20.2)		32,029	(20,409 - 43,649)
OK	Other	614	13.1	1.76	(9.7 - 16.6)		47,453	(34,466 - 60,441)
OK	Multi	318	19.6	3.48	(12.8 - 26.5)		24,547	(15,022 - 34,073)
OR	White	4,631	18.1	0.73	(16.7 - 19.6)		481,813	(441,936 - 521,691)
OR	Black	61	22.6	6.48	(9.6 - 35.5)		15,370	(5,395 - 25,345)
OR	Other	222	14.4	3.11	(8.3 - 20.6)		32,422	(17,512 - 47,332)
OR	Multi	307	21.1	2.97	(15.3 - 27.0)		19,768	(13,789 - 25,747)
PA	White	4,893	14.9	0.74	(13.5 - 16.4)		1,227,505	(1,102,069 - 1,352,940)
PA	Black	469	15.1	2.12	(10.9 - 19.2)		155,834	(109,384 - 202,283)
PA	Other	197	12.1	3.04	(6.1 - 18.1)		62,324	(29,601 - 95,046)
PA	Multi	79	29.5	6.30	(17.0 - 42.1)		29,681	(15,193 - 44,169)
RI	White	5,310	16.0	0.77	(14.5 - 17.6)		107,901	(97,158 - 118,645)
RI	Black	252	16.3	3.50	(9.4 - 23.2)		7,576	(4,030 - 11,122)
RI	Other	372	15.5	2.58	(10.5 - 20.6)		11,387	(7,403 - 15,370)
RI	Multi	71	28.6	7.95	(12.7 - 44.4)		3,409	(1,222 - 5,595)
SC	White	8,037	13.4	0.57	(12.3 - 14.5)		342,008	(312,207 - 371,808)
SC	Black	2,924	12.3	0.88	(10.6 - 14.0)		121,959	(103,783 - 140,135)
SC	Other	259	7.8	2.01	(3.9 - 11.8)		10,884	(5,231 - 16,536)
SC	Multi	196	29.2	5.69	(18.0 - 40.4)		16,445	(8,353 - 24,536)

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SD	White	6,178	11.8	0.73	(10.4 - 13.2)		66,415	(58,011 - 74,819)
SD	Black	17	1.2				50	
SD	Other	823	16.4	3.44	(9.6 - 23.1)		10,238	(5,556 - 14,920)
SD	Multi	142	21.9	6.65	(8.7 - 35.0)		3,841	(1,167 - 6,515)
TN	White	4,906	13.9	0.74	(12.4 - 15.3)		547,845	(488,754 - 606,937)
TN	Black	752	17.5	2.29	(13.0 - 22.0)		141,696	(101,904 - 181,488)
TN	Other	155	10.7	3.22	(4.3 - 17.1)		21,463	(8,677 - 34,248)
TN	Multi	77	20.6	6.98	(6.7 - 34.5)		17,875	(4,307 - 31,443)
TX	White	11,845	12.5	0.56	(11.4 - 13.6)		1,809,314	(1,644,029 - 1,974,599)
TX	Black	1,176	14.2	1.76	(10.7 - 17.6)		350,871	(260,227 - 441,515)
TX	Other	633	7.7	1.52	(4.7 - 10.7)		118,206	(71,688 - 164,724)
TX	Multi	180	16.3	4.88	(6.7 - 26.0)		40,573	(14,500 - 66,646)
UT	White	10,373	14.3	0.44	(13.5 - 15.2)		258,994	(242,937 - 275,050)
UT	Black	72	23.7	6.52	(10.7 - 36.8)		5,018	(1,740 - 8,296)
UT	Other	535	11.2	1.63	(8.0 - 14.4)		17,362	(12,125 - 22,598)
UT	Multi	101	21.2	5.20	(10.9 - 31.5)		5,710	(2,521 - 8,898)
VT	White	6,088	15.9	0.64	(14.7 - 17.1)		75,373	(69,200 - 81,545)
VT	Black	30	15.4				392	
VT	Other	171	17.8	3.96	(10.0 - 25.7)		2,780	(1,468 - 4,093)
VT	Multi	96	31.8	7.49	(16.9 - 46.7)		2,042	(790 - 3,294)
VA	White	6,562	11.8	0.53	(10.8 - 12.9)		519,990	(473,006 - 566,974)
VA	Black	1,390	17.0	1.42	(14.2 - 19.7)		207,560	(170,237 - 244,883)
VA	Other	383	6.9	1.48	(4.0 - 9.8)		41,817	(23,864 - 59,769)
VA	Multi	133	12.7	3.42	(5.9 - 19.5)		20,247	(8,870 - 31,625)
WA	White	13,786	15.4	0.43	(14.6 - 16.3)		649,980	(612,721 - 687,239)
WA	Black	301	14.6	2.39	(9.9 - 19.3)		26,952	(17,730 - 36,175)
WA	Other	1,225	10.8	1.16	(8.6 - 13.1)		88,644	(68,932 - 108,355)
WA	Multi	344	24.6	3.10	(18.5 - 30.7)		31,909	(22,746 - 41,073)

## 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 2015**

State	Race	Sample Size	Prevalence (percent)	Standard Error	95% CI* (percent)	    	Prevalence (number)	95% CI* (number)
WV	White	5,556	15.1	0.57	(14.0 - 16.2)		205,865	(190,092 - 221,639)
WV	Black	181	17.8	3.64	(10.6 - 25.0)		9,392	(5,128 - 13,656)
WV	Other	81	12.6	4.08	(4.5 - 20.7)		2,960	(979 - 4,941)
WV	Multi	71	14.1	4.51	(5.1 - 23.1)		2,032	(660 - 3,404)
WI	White	5,467	12.3	0.63	(11.0 - 13.5)		477,929	(428,276 - 527,583)
WI	Black	353	20.2	4.14	(12.0 - 28.3)		50,488	(28,158 - 72,817)
WI	Other	222	15.7	3.64	(8.6 - 22.9)		37,028	(18,848 - 55,208)
WI	Multi	74	33.0	7.86	(17.4 - 48.7)		10,338	(4,136 - 16,539)
WY	White	5,056	13.4	0.80	(11.8 - 15.0)		52,782	(46,357 - 59,208)
WY	Black	32	28.1	12.56	(2.5 - 53.8)		1,208	(0 - 2,579)
WY	Other	211	14.9	3.81	(7.4 - 22.4)		5,050	(2,280 - 7,820)
WY	Multi	60	9.1	5.25	(0.0 - 19.6)		581	(0 - 1,276)
Territories								
GU	White	152	10.6	3.36	(4.0 - 17.2)		795	(277 - 1,313)
GU	Black	19	6.9				51	
GU	Other	1,237	12.5	1.43	(9.7 - 15.3)		10,119	(7,745 - 12,493)
GU	Multi	253	12.4	2.95	(6.6 - 18.2)		2,214	(1,120 - 3,309)
PR	White	3,039	16.6	0.86	(14.9 - 18.3)		243,647	(216,960 - 270,334)
PR	Black	229	19.7	3.31	(13.1 - 26.2)		25,048	(15,825 - 34,270)
PR	Other	2,083	16.3	0.97	(14.4 - 18.2)		192,661	(169,001 - 216,321)
PR	Multi	23	13.2				1,779	

## 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.