

**California In-Hospital Breastfeeding as Indicated on the Newborn Screening Test Form
Statewide and Maternal County of Residence by Race/Ethnicity: 2007**

COUNTY INFANT RACE/ETHNICITY	TOTAL	ANY BREASTFEEDING			EXCLUSIVE BREASTFEEDING		
		Number	Percent	95% CI Lower Upper	Number	Percent	95% CI Lower Upper
CALIFORNIA	506,561	438,806	86.6	(86.5 - 86.7)	216,426	42.7	(42.6 - 42.9)
African American	25,029	18,699	74.7	(74.2 - 75.2)	8,292	33.1	(32.5 - 33.7)
American Indian	745	648	87.0	(84.4 - 89.2)	421	56.5	(52.9 - 60.0)
Asian	49,822	43,927	88.2	(87.9 - 88.4)	21,837	43.8	(43.4 - 44.3)
Multiple Race	16,943	14,990	88.5	(88.0 - 88.9)	9,468	55.9	(55.1 - 56.6)
Pacific Islander	922	698	75.7	(72.8 - 78.4)	336	36.4	(33.4 - 39.6)
Other	6,534	5,445	83.3	(82.4 - 84.2)	2,895	44.3	(43.1 - 45.5)
White	128,720	115,973	90.1	(89.9 - 90.3)	81,945	63.7	(63.4 - 63.9)
Hispanic	265,725	227,939	85.8	(85.6 - 85.9)	85,828	32.3	(32.1 - 32.5)
Missing	12,121						
ALAMEDA	19,536	18,408	94.2	(93.9 - 94.5)	14,227	72.8	(72.2 - 73.4)
African American	2,156	1,871	86.8	(85.3 - 88.1)	1,339	62.1	(60.0 - 64.1)
American Indian	29	29	100.0	(88.3 - 100.0)	27	93.1	(78.0 - 98.1)
Asian	4,332	4,148	95.8	(95.1 - 96.3)	3,191	73.7	(72.3 - 75.0)
Multiple Race	993	927	93.4	(91.6 - 94.7)	691	69.6	(66.7 - 72.4)
Pacific Islander	64	58	90.6	(81.0 - 95.6)	49	76.6	(64.9 - 85.3)
Other	510	478	93.7	(91.3 - 95.5)	377	73.9	(69.9 - 77.5)
White	4,533	4,328	95.5	(94.8 - 96.0)	3,550	78.3	(77.1 - 79.5)
Hispanic	6,319	6,006	95.0	(94.5 - 95.6)	4,551	72.0	(70.9 - 73.1)
Missing	600						
ALPINE	9	9	*	*	7	*	*
African American	*	*	*	*	*	*	*
American Indian	5	5	*	*	*	*	*
Asian	*	*	*	*	*	*	*
Multiple Race	*	*	*	*	*	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	*	*	*	*	*	*	*
White	2	*	*	*	*	*	*
Hispanic	2	*	*	*	*	*	*
Missing	*						
AMADOR	255	220	86.3	(81.5 - 90.0)	166	65.1	(59.1 - 70.7)
African American	*	*	*	*	*	*	*
American Indian	*	*	*	*	*	*	*
Asian	6	6	*	*	*	*	*
Multiple Race	16	11	*	*	7	*	*
Pacific Islander	1	*	*	*	*	*	*
Other	*	*	*	*	*	*	*
White	185	164	88.6	(83.3 - 92.5)	126	68.1	(61.1 - 74.4)
Hispanic	43	36	83.7	(70.0 - 91.9)	27	62.8	(47.9 - 75.6)
Missing	4						
BUTTE	2,310	2,024	87.6	(86.2 - 88.9)	1,653	71.6	(69.7 - 73.4)
African American	36	27	75.0	(58.9 - 86.2)	21	58.3	(42.2 - 72.9)
American Indian	24	23	95.8	(79.8 - 99.3)	16	*	*
Asian	80	35	43.8	(33.4 - 54.7)	22	27.5	(18.9 - 38.1)
Multiple Race	132	108	81.8	(74.4 - 87.5)	90	68.2	(59.8 - 75.5)
Pacific Islander	*	*	*	*	*	*	*
Other	49	22	44.9	(31.9 - 58.7)	12	*	*
White	1,494	1,362	91.2	(89.6 - 92.5)	1,189	79.6	(77.5 - 81.6)
Hispanic	439	403	91.8	(88.9 - 94.0)	268	61.0	(56.4 - 65.5)
Missing	56						
CALAVERAS	356	321	90.2	(86.6 - 92.8)	214	60.1	(54.9 - 65.1)
African American	1	*	*	*	*	*	*
American Indian	7	7	*	*	*	*	*
Asian	5	*	*	*	*	*	*
Multiple Race	10	10	*	*	7	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	*	*	*	*	*	*	*
White	282	255	90.4	(86.4 - 93.3)	170	60.3	(54.5 - 65.8)
Hispanic	46	39	84.8	(71.8 - 92.4)	24	52.2	(38.1 - 65.9)
Missing	5						
COLUSA	352	250	71.0	(66.1 - 75.5)	88	25.0	(20.8 - 29.8)
African American	3	*	*	*	*	*	*
American Indian	2	*	*	*	*	*	*
Asian	1	*	*	*	*	*	*
Multiple Race	8	*	*	*	*	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	1	*	*	*	*	*	*
White	68	56	82.4	(71.6 - 89.6)	38	55.9	(44.1 - 67.1)
Hispanic	255	174	68.2	(62.3 - 73.6)	42	16.5	(12.4 - 21.5)
Missing	14						

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COUNTY INFANT RACE/ETHNICITY	TOTAL	ANY BREASTFEEDING			EXCLUSIVE BREASTFEEDING		
		Number	Percent	95% CI Lower Upper	Number	Percent	95% CI Lower Upper
CONTRA COSTA	12,058	11,214	93.0	(92.5 - 93.4)	7,715	64.0	(63.1 - 64.8)
African American	1,008	849	84.2	(81.8 - 86.3)	556	55.2	(52.1 - 58.2)
American Indian	6	6	*	*	6	*	*
Asian	1,342	1,286	95.8	(94.6 - 96.8)	837	62.4	(59.7 - 64.9)
Multiple Race	598	560	93.6	(91.4 - 95.3)	404	67.6	(63.7 - 71.2)
Pacific Islander	15	13	*	*	9	*	*
Other	216	203	94.0	(90.0 - 96.4)	136	63.0	(56.3 - 69.1)
White	4,169	3,864	92.7	(91.9 - 93.4)	2,772	66.5	(65.0 - 67.9)
Hispanic	4,328	4,089	94.5	(93.8 - 95.1)	2,754	63.6	(62.2 - 65.1)
Missing	376						
DEL NORTE	314	282	89.8	(86.0 - 92.7)	176	56.1	(50.5 - 61.4)
African American	1	*	*	*	*	*	*
American Indian	21	21	100.0	(84.5 - 100.0)	15	*	*
Asian	3	*	*	*	*	*	*
Multiple Race	35	30	85.7	(70.6 - 93.7)	20	57.1	(40.9 - 72.0)
Pacific Islander	*	*	*	*	*	*	*
Other	6	*	*	*	*	*	*
White	175	161	92.0	(87.0 - 95.2)	110	62.9	(55.5 - 69.7)
Hispanic	70	63	90.0	(80.8 - 95.1)	29	41.4	(30.6 - 53.1)
Missing	3						
EL DORADO	1,647	1,544	93.7	(92.5 - 94.8)	1,138	69.1	(66.8 - 71.3)
African American	9	8	*	*	7	*	*
American Indian	3	*	*	*	*	*	*
Asian	47	42	89.4	(77.4 - 95.4)	24	51.1	(37.2 - 64.7)
Multiple Race	60	55	91.7	(81.9 - 96.4)	34	56.7	(44.1 - 68.4)
Pacific Islander	*	*	*	*	*	*	*
Other	11	11	*	*	6	*	*
White	1,107	1,044	94.3	(92.8 - 95.5)	833	75.2	(72.6 - 77.7)
Hispanic	362	337	93.1	(90.0 - 95.3)	196	54.1	(49.0 - 59.2)
Missing	48						
FRESNO	14,928	12,455	83.4	(82.8 - 84.0)	5,808	38.9	(38.1 - 39.7)
African American	711	575	80.9	(77.8 - 83.6)	250	35.2	(31.7 - 38.7)
American Indian	28	24	85.7	(68.5 - 94.3)	13	*	*
Asian	755	560	74.2	(70.9 - 77.2)	234	31.0	(27.8 - 34.4)
Multiple Race	353	241	68.3	(63.2 - 72.9)	108	30.6	(26.0 - 35.6)
Pacific Islander	2	*	*	*	*	*	*
Other	419	274	65.4	(60.7 - 69.8)	113	27.0	(22.9 - 31.4)
White	3,197	2,837	88.7	(87.6 - 89.8)	2,129	66.6	(64.9 - 68.2)
Hispanic	9,152	7,681	83.9	(83.2 - 84.7)	2,817	30.8	(29.8 - 31.7)
Missing	311						
GLENN	406	362	89.2	(85.8 - 91.8)	272	67.0	(62.3 - 71.4)
African American	1	*	*	*	*	*	*
American Indian	5	5	*	*	*	*	*
Asian	7	*	*	*	*	*	*
Multiple Race	25	23	92.0	(75.0 - 97.8)	18	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	3	*	*	*	*	*	*
White	156	139	89.1	(83.2 - 93.1)	120	76.9	(69.7 - 82.8)
Hispanic	205	186	90.7	(86.0 - 94.0)	127	62.0	(55.1 - 68.3)
Missing	4						
HUMBOLDT	1,486	1,359	91.5	(89.9 - 92.8)	991	66.7	(64.3 - 69.0)
African American	14	10	*	*	6	*	*
American Indian	84	74	88.1	(79.5 - 93.4)	49	58.3	(47.7 - 68.3)
Asian	26	19	*	*	11	*	*
Multiple Race	130	118	90.8	(84.6 - 94.6)	75	57.7	(49.1 - 65.8)
Pacific Islander	4	*	*	*	*	*	*
Other	13	10	*	*	*	*	*
White	942	871	92.5	(90.6 - 94.0)	689	73.1	(70.2 - 75.9)
Hispanic	232	215	92.7	(88.6 - 95.4)	121	52.2	(45.7 - 58.5)
Missing	41						
IMPERIAL	2,902	2,537	87.4	(86.2 - 88.6)	366	12.6	(11.5 - 13.9)
African American	24	20	83.3	(64.1 - 93.3)	*	*	*
American Indian	1	*	*	*	*	*	*
Asian	16	13	*	*	*	*	*
Multiple Race	15	12	*	*	*	*	*
Pacific Islander	1	*	*	*	*	*	*
Other	2	*	*	*	*	*	*
White	228	196	86.0	(80.9 - 89.9)	49	21.5	(16.7 - 27.3)
Hispanic	2,518	2,211	87.8	(86.5 - 89.0)	290	11.5	(10.3 - 12.8)
Missing	97						

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		Number	Percent	95% CI Lower Upper	Number	Percent	95% CI Lower Upper
INYO	191	180	94.2	(90.0 - 96.8)	156	81.7	(75.6 - 86.5)
African American	*	*	*	*	*	*	*
American Indian	17	17	*	*	14	*	*
Asian	3	*	*	*	*	*	*
Multiple Race	17	15	*	*	15	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	*	*	*	*	*	*	*
White	80	76	95.0	(87.8 - 98.0)	65	81.3	(71.3 - 88.3)
Hispanic	68	64	94.1	(85.8 - 97.7)	54	79.4	(68.4 - 87.3)
Missing	6						
KERN	13,435	10,903	81.2	(80.5 - 81.8)	3,460	25.8	(25.0 - 26.5)
African American	648	415	64.0	(60.3 - 67.6)	88	13.6	(11.2 - 16.4)
American Indian	14	12	*	*	7	*	*
Asian	303	243	80.2	(75.3 - 84.3)	84	27.7	(23.0 - 33.0)
Multiple Race	162	134	82.7	(76.2 - 87.8)	67	41.4	(34.1 - 49.1)
Pacific Islander	5	*	*	*	*	*	*
Other	66	58	87.9	(77.9 - 93.7)	18	*	*
White	3,807	3,146	82.6	(81.4 - 83.8)	1,762	46.3	(44.7 - 47.9)
Hispanic	8,148	6,675	81.9	(81.1 - 82.7)	1,356	16.6	(15.8 - 17.5)
Missing	282						
KINGS	2,175	1,631	75.0	(73.1 - 76.8)	609	28.0	(26.2 - 29.9)
African American	78	50	64.1	(53.0 - 73.9)	19	*	*
American Indian	5	*	*	*	*	*	*
Asian	32	25	78.1	(61.2 - 89.0)	8	*	*
Multiple Race	41	32	78.0	(63.3 - 88.0)	17	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	18	12	*	*	*	*	*
White	531	439	82.7	(79.2 - 85.7)	265	49.9	(45.7 - 54.1)
Hispanic	1,418	1,034	72.9	(70.5 - 75.2)	279	19.7	(17.7 - 21.8)
Missing	52						
LAKE	655	584	89.2	(86.5 - 91.3)	311	47.5	(43.7 - 51.3)
African American	7	*	*	*	*	*	*
American Indian	8	6	*	*	*	*	*
Asian	5	*	*	*	*	*	*
Multiple Race	28	25	89.3	(72.8 - 96.3)	15	*	*
Pacific Islander	1	*	*	*	*	*	*
Other	4	*	*	*	*	*	*
White	403	358	88.8	(85.4 - 91.5)	215	53.3	(48.5 - 58.2)
Hispanic	181	171	94.5	(90.1 - 97.0)	66	36.5	(29.8 - 43.7)
Missing	18						
LASSEN	219	206	94.1	(90.1 - 96.5)	155	70.8	(64.4 - 76.4)
African American	3	*	*	*	*	*	*
American Indian	3	*	*	*	*	*	*
Asian	1	*	*	*	*	*	*
Multiple Race	8	6	*	*	*	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	1	*	*	*	*	*	*
White	162	156	96.3	(92.2 - 98.3)	122	75.3	(68.1 - 81.3)
Hispanic	35	31	88.6	(74.0 - 95.5)	21	60.0	(43.6 - 74.4)
Missing	6						
LOS ANGELES	139,388	116,005	83.2	(83.0 - 83.4)	33,989	24.4	(24.2 - 24.6)
African American	9,547	6,636	69.5	(68.6 - 70.4)	1,822	19.1	(18.3 - 19.9)
American Indian	48	33	68.8	(54.7 - 80.1)	14	*	*
Asian	13,503	11,710	86.7	(86.1 - 87.3)	3,417	25.3	(24.6 - 26.0)
Multiple Race	3,650	3,242	88.8	(87.8 - 89.8)	1,612	44.2	(42.6 - 45.8)
Pacific Islander	252	172	68.3	(62.3 - 73.7)	29	11.5	(8.1 - 16.0)
Other	1,522	1,308	85.9	(84.1 - 87.6)	479	31.5	(29.2 - 33.8)
White	20,672	18,397	89.0	(88.6 - 89.4)	11,207	54.2	(53.5 - 54.9)
Hispanic	87,155	71,985	82.6	(82.3 - 82.8)	14,652	16.8	(16.6 - 17.1)
Missing	3,039						
MADERA	2,216	1,919	86.6	(85.1 - 88.0)	1,088	49.1	(47.0 - 51.2)
African American	36	28	77.8	(61.9 - 88.3)	17	*	*
American Indian	7	6	*	*	5	*	*
Asian	16	15	*	*	6	*	*
Multiple Race	16	15	*	*	9	*	*
Pacific Islander	1	*	*	*	*	*	*
Other	8	8	*	*	*	*	*
White	466	410	88.0	(84.7 - 90.6)	315	67.6	(63.2 - 71.7)
Hispanic	1,605	1,391	86.7	(84.9 - 88.2)	709	44.2	(41.8 - 46.6)
Missing	61						

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		Number	Percent	95% CI Lower Upper	Number	Percent	95% CI Lower Upper
MARIN	2,609	2,539	97.3	(96.6 - 97.9)	2,022	77.5	(75.9 - 79.1)
African American	38	29	76.3	(60.8 - 87.0)	22	57.9	(42.2 - 72.1)
American Indian	1	*	*	*	*	*	*
Asian	126	119	94.4	(89.0 - 97.3)	83	65.9	(57.2 - 73.6)
Multiple Race	137	135	98.5	(94.8 - 99.6)	109	79.6	(72.0 - 85.5)
Pacific Islander	1	*	*	*	*	*	*
Other	23	22	95.7	(79.0 - 99.2)	18	*	*
White	1,485	1,447	97.4	(96.5 - 98.1)	1,174	79.1	(76.9 - 81.1)
Hispanic	735	725	98.6	(97.5 - 99.3)	563	76.6	(73.4 - 79.5)
Missing	63						
MARIPOSA	126	116	92.1	(86.0 - 95.6)	77	61.1	(52.4 - 69.2)
African American	1	*	*	*	*	*	*
American Indian	*	*	*	*	*	*	*
Asian	4	*	*	*	*	*	*
Multiple Race	5	*	*	*	*	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	*	*	*	*	*	*	*
White	98	91	92.9	(86.0 - 96.5)	62	63.3	(53.4 - 72.1)
Hispanic	12	12	*	*	7	*	*
Missing	6						
MENDOCINO	1,031	968	93.9	(92.3 - 95.2)	778	75.5	(72.7 - 78.0)
African American	1	*	*	*	*	*	*
American Indian	33	33	100.0	(89.6 - 100.0)	25	75.8	(59.0 - 87.2)
Asian	5	5	*	*	*	*	*
Multiple Race	43	37	86.0	(72.7 - 93.4)	30	69.8	(54.9 - 81.4)
Pacific Islander	1	*	*	*	*	*	*
Other	4	*	*	*	*	*	*
White	524	490	93.5	(91.1 - 95.3)	422	80.5	(76.9 - 83.7)
Hispanic	383	363	94.8	(92.1 - 96.6)	264	68.9	(64.1 - 73.4)
Missing	37						
MERCED	4,263	3,658	85.8	(84.7 - 86.8)	1,182	27.7	(26.4 - 29.1)
African American	107	82	76.6	(67.8 - 83.6)	26	24.3	(17.2 - 33.2)
American Indian	4	*	*	*	*	*	*
Asian	175	98	56.0	(48.6 - 63.1)	27	15.4	(10.8 - 21.5)
Multiple Race	87	62	71.3	(61.0 - 79.7)	24	27.6	(19.3 - 37.8)
Pacific Islander	2	*	*	*	*	*	*
Other	99	53	53.5	(43.8 - 63.0)	11	*	*
White	900	775	86.1	(83.7 - 88.2)	405	45.0	(41.8 - 48.3)
Hispanic	2,781	2,489	89.5	(88.3 - 90.6)	653	23.5	(21.9 - 25.1)
Missing	108						
MODOC	42	37	88.1	(75.0 - 94.8)	27	64.3	(49.2 - 77.0)
African American	*	*	*	*	*	*	*
American Indian	1	*	*	*	*	*	*
Asian	*	*	*	*	*	*	*
Multiple Race	1	*	*	*	*	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	*	*	*	*	*	*	*
White	34	32	94.1	(80.9 - 98.4)	24	70.6	(53.8 - 83.2)
Hispanic	6	*	*	*	*	*	*
Missing	*						
MONO	137	127	92.7	(87.1 - 96.0)	71	51.8	(43.5 - 60.0)
African American	2	*	*	*	*	*	*
American Indian	*	*	*	*	*	*	*
Asian	1	*	*	*	*	*	*
Multiple Race	2	*	*	*	*	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	*	*	*	*	*	*	*
White	52	48	92.3	(81.8 - 97.0)	40	76.9	(63.9 - 86.3)
Hispanic	76	70	92.1	(83.8 - 96.3)	25	32.9	(23.4 - 44.1)
Missing	4						
MONTEREY	6,350	5,993	94.4	(93.8 - 94.9)	4,067	64.0	(62.9 - 65.2)
African American	81	68	84.0	(74.5 - 90.4)	53	65.4	(54.6 - 74.9)
American Indian	3	*	*	*	*	*	*
Asian	205	195	95.1	(91.3 - 97.3)	172	83.9	(78.3 - 88.3)
Multiple Race	136	130	95.6	(90.7 - 98.0)	119	87.5	(80.9 - 92.0)
Pacific Islander	9	8	*	*	8	*	*
Other	38	36	94.7	(82.7 - 98.5)	30	78.9	(63.7 - 88.9)
White	1,185	1,123	94.8	(93.3 - 95.9)	1,024	86.4	(84.3 - 88.2)
Hispanic	4,446	4,191	94.3	(93.5 - 94.9)	2,491	56.0	(54.6 - 57.5)
Missing	247						

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COUNTY INFANT RACE/ETHNICITY	TOTAL	ANY BREASTFEEDING			EXCLUSIVE BREASTFEEDING		
		Number	Percent	95% CI Lower Upper	Number	Percent	95% CI Lower Upper
NAPA	1,476	1,400	94.9	(93.6 - 95.9)	992	67.2	(64.8 - 69.6)
African American	15	14	*	*	10	*	*
American Indian	1	*	*	*	*	*	*
Asian	79	79	100.0	(95.4 - 100.0)	50	63.3	(52.3 - 73.1)
Multiple Race	27	24	88.9	(71.9 - 96.1)	19	*	*
Pacific Islander	3	*	*	*	*	*	*
Other	4	*	*	*	*	*	*
White	515	483	93.8	(91.4 - 95.6)	374	72.6	(68.6 - 76.3)
Hispanic	810	773	95.4	(93.8 - 96.7)	516	63.7	(60.3 - 66.9)
Missing	22						
NEVADA	746	721	96.6	(95.1 - 97.7)	575	77.1	(73.9 - 80.0)
African American	*	*	*	*	*	*	*
American Indian	*	*	*	*	*	*	*
Asian	5	*	*	*	*	*	*
Multiple Race	36	36	100.0	(90.4 - 100.0)	29	80.6	(65.0 - 90.2)
Pacific Islander	*	*	*	*	*	*	*
Other	2	*	*	*	*	*	*
White	553	532	96.2	(94.3 - 97.5)	454	82.1	(78.7 - 85.1)
Hispanic	128	126	98.4	(94.5 - 99.6)	71	55.5	(46.8 - 63.8)
Missing	22						
ORANGE	41,364	35,637	86.2	(85.8 - 86.5)	12,324	29.8	(29.4 - 30.2)
African American	377	293	77.7	(73.3 - 81.6)	108	28.6	(24.3 - 33.4)
American Indian	17	16	*	*	7	*	*
Asian	5,924	4,999	84.4	(83.4 - 85.3)	1,431	24.2	(23.1 - 25.3)
Multiple Race	1,362	1,207	88.6	(86.8 - 90.2)	589	43.2	(40.6 - 45.9)
Pacific Islander	70	52	74.3	(63.0 - 83.1)	17	*	*
Other	357	319	89.4	(85.7 - 92.1)	141	39.5	(34.6 - 44.7)
White	11,236	9,996	89.0	(88.4 - 89.5)	5,758	51.2	(50.3 - 52.2)
Hispanic	21,091	17,949	85.1	(84.6 - 85.6)	4,003	19.0	(18.5 - 19.5)
Missing	930						
PLACER	3,304	3,069	92.9	(92.0 - 93.7)	1,944	58.8	(57.2 - 60.5)
African American	35	31	88.6	(74.0 - 95.5)	18	*	*
American Indian	9	8	*	*	7	*	*
Asian	199	183	92.0	(87.3 - 95.0)	106	53.3	(46.3 - 60.1)
Multiple Race	170	155	91.2	(86.0 - 94.6)	96	56.5	(49.0 - 63.7)
Pacific Islander	2	*	*	*	*	*	*
Other	24	24	100.0	(86.2 - 100.0)	18	*	*
White	2,186	2,036	93.1	(92.0 - 94.1)	1,388	63.5	(61.5 - 65.5)
Hispanic	595	548	92.1	(89.7 - 94.0)	257	43.2	(39.3 - 47.2)
Missing	84						
PLUMAS	143	138	96.5	(92.1 - 98.5)	108	75.5	(67.9 - 81.8)
African American	2	*	*	*	*	*	*
American Indian	2	*	*	*	*	*	*
Asian	1	*	*	*	*	*	*
Multiple Race	4	*	*	*	*	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	*	*	*	*	*	*	*
White	108	104	96.3	(90.9 - 98.6)	84	77.8	(69.1 - 84.6)
Hispanic	21	21	100.0	(84.5 - 100.0)	14	*	*
Missing	5						
RIVERSIDE	30,287	25,434	84.0	(83.6 - 84.4)	13,387	44.2	(43.6 - 44.8)
African American	1,435	1,089	75.9	(73.6 - 78.0)	536	37.4	(34.9 - 39.9)
American Indian	57	44	77.2	(64.8 - 86.2)	25	43.9	(31.8 - 56.7)
Asian	1,192	1,044	87.6	(85.6 - 89.3)	548	46.0	(43.2 - 48.8)
Multiple Race	761	647	85.0	(82.3 - 87.4)	421	55.3	(51.8 - 58.8)
Pacific Islander	44	32	72.7	(58.2 - 83.7)	17	*	*
Other	163	136	83.4	(77.0 - 88.4)	75	46.0	(38.5 - 53.7)
White	7,502	6,422	85.6	(84.8 - 86.4)	4,575	61.0	(59.9 - 62.1)
Hispanic	18,444	15,450	83.8	(83.2 - 84.3)	6,883	37.3	(36.6 - 38.0)
Missing	689						
SACRAMENTO	20,003	17,118	85.6	(85.1 - 86.1)	10,655	53.3	(52.6 - 54.0)
African American	2,034	1,528	75.1	(73.2 - 77.0)	855	42.0	(39.9 - 44.2)
American Indian	46	43	93.5	(82.5 - 97.8)	25	54.3	(40.2 - 67.8)
Asian	2,108	1,743	82.7	(81.0 - 84.2)	1,003	47.6	(45.5 - 49.7)
Multiple Race	1,337	1,102	82.4	(80.3 - 84.4)	715	53.5	(50.8 - 56.1)
Pacific Islander	48	36	75.0	(61.2 - 85.1)	17	*	*
Other	780	512	65.6	(62.2 - 68.9)	252	32.3	(29.1 - 35.7)
White	7,057	6,354	90.0	(89.3 - 90.7)	4,588	65.0	(63.9 - 66.1)
Hispanic	6,094	5,393	88.5	(87.7 - 89.3)	2,957	48.5	(47.3 - 49.8)
Missing	499						

**California In-Hospital Breastfeeding as Indicated on the Newborn Screening Test Form
Statewide and Maternal County of Residence by Race/Ethnicity: 2007**

COUNTY INFANT RACE/ETHNICITY	TOTAL	ANY BREASTFEEDING			EXCLUSIVE BREASTFEEDING		
		Number	Percent	95% CI Lower Upper	Number	Percent	95% CI Lower Upper
SAN BENITO	792	739	93.3	(91.4 - 94.8)	212	26.8	(23.8 - 30.0)
African American	1	*	*	*	*	*	*
American Indian	*	*	*	*	*	*	*
Asian	13	13	*	*	8	*	*
Multiple Race	10	10	*	*	5	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	6	6	*	*	*	*	*
White	155	139	89.7	(83.9 - 93.5)	68	43.9	(36.3 - 51.7)
Hispanic	586	551	94.0	(91.8 - 95.7)	125	21.3	(18.2 - 24.8)
Missing	21						
SAN BERNARDINO	30,727	25,118	81.7	(81.3 - 82.2)	10,584	34.4	(33.9 - 35.0)
African American	2,345	1,685	71.9	(70.0 - 73.6)	666	28.4	(26.6 - 30.3)
American Indian	18	16	*	*	12	*	*
Asian	1,238	1,016	82.1	(79.8 - 84.1)	378	30.5	(28.0 - 33.2)
Multiple Race	663	548	82.7	(79.6 - 85.3)	252	38.0	(34.4 - 41.8)
Pacific Islander	39	25	64.1	(48.4 - 77.3)	11	*	*
Other	247	216	87.4	(82.7 - 91.0)	80	32.4	(26.9 - 38.5)
White	6,840	5,751	84.1	(83.2 - 84.9)	3,395	49.6	(48.5 - 50.8)
Hispanic	18,703	15,351	82.1	(81.5 - 82.6)	5,599	29.9	(29.3 - 30.6)
Missing	634						
SAN DIEGO	39,447	35,764	90.7	(90.4 - 90.9)	23,228	58.9	(58.4 - 59.4)
African American	1,405	1,139	81.1	(78.9 - 83.0)	622	44.3	(41.7 - 46.9)
American Indian	59	52	88.1	(77.5 - 94.1)	31	52.5	(40.0 - 64.7)
Asian	3,025	2,682	88.7	(87.5 - 89.7)	1,649	54.5	(52.7 - 56.3)
Multiple Race	1,527	1,403	91.9	(90.4 - 93.1)	987	64.6	(62.2 - 67.0)
Pacific Islander	128	98	76.6	(68.5 - 83.1)	54	42.2	(34.0 - 50.8)
Other	486	444	91.4	(88.5 - 93.5)	255	52.5	(48.0 - 56.9)
White	11,875	11,011	92.7	(92.2 - 93.2)	8,643	72.8	(72.0 - 73.6)
Hispanic	20,080	18,152	90.4	(90.0 - 90.8)	10,479	52.2	(51.5 - 52.9)
Missing	862						
SAN FRANCISCO	8,253	7,762	94.1	(93.5 - 94.5)	6,330	76.7	(75.8 - 77.6)
African American	407	313	76.9	(72.6 - 80.7)	215	52.8	(48.0 - 57.6)
American Indian	7	6	*	*	6	*	*
Asian	2,080	1,867	89.8	(88.4 - 91.0)	1,218	58.6	(56.4 - 60.7)
Multiple Race	586	556	94.9	(92.8 - 96.4)	474	80.9	(77.5 - 83.9)
Pacific Islander	40	37	92.5	(80.1 - 97.4)	24	60.0	(44.6 - 73.7)
Other	161	153	95.0	(90.5 - 97.5)	128	79.5	(72.6 - 85.0)
White	2,991	2,912	97.4	(96.7 - 97.9)	2,629	87.9	(86.7 - 89.0)
Hispanic	1,731	1,682	97.2	(96.3 - 97.9)	1,440	83.2	(81.4 - 84.9)
Missing	250						
SAN JOAQUIN	9,887	8,216	83.1	(82.3 - 83.8)	3,738	37.8	(36.9 - 38.8)
African American	693	496	71.6	(68.1 - 74.8)	198	28.6	(25.3 - 32.0)
American Indian	20	14	*	*	5	*	*
Asian	1,105	850	76.9	(74.3 - 79.3)	383	34.7	(31.9 - 37.5)
Multiple Race	355	277	78.0	(73.4 - 82.0)	130	36.6	(31.8 - 41.7)
Pacific Islander	10	8	*	*	5	*	*
Other	188	128	68.1	(61.1 - 74.3)	59	31.4	(25.2 - 38.3)
White	2,334	1,975	84.6	(83.1 - 86.0)	1,202	51.5	(49.5 - 53.5)
Hispanic	4,875	4,196	86.1	(85.1 - 87.0)	1,619	33.2	(31.9 - 34.5)
Missing	307						
SAN LUIS OBISPO	2,618	2,486	95.0	(94.1 - 95.7)	1,905	72.8	(71.0 - 74.4)
African American	17	14	*	*	9	*	*
American Indian	1	*	*	*	*	*	*
Asian	38	36	94.7	(82.7 - 98.5)	27	71.1	(55.2 - 83.0)
Multiple Race	70	66	94.3	(86.2 - 97.8)	54	77.1	(66.0 - 85.4)
Pacific Islander	2	*	*	*	*	*	*
Other	14	14	*	*	11	*	*
White	1,449	1,370	94.5	(93.3 - 95.6)	1,108	76.5	(74.2 - 78.6)
Hispanic	955	914	95.7	(94.2 - 96.8)	647	67.7	(64.7 - 70.6)
Missing	72						
SAN MATEO	9,331	8,928	95.7	(95.2 - 96.1)	7,146	76.6	(75.7 - 77.4)
African American	145	128	88.3	(82.0 - 92.5)	99	68.3	(60.3 - 75.3)
American Indian	9	5	*	*	5	*	*
Asian	2,022	1,932	95.5	(94.6 - 96.4)	1,443	71.4	(69.4 - 73.3)
Multiple Race	512	487	95.1	(92.9 - 96.7)	410	80.1	(76.4 - 83.3)
Pacific Islander	57	47	82.5	(70.6 - 90.2)	38	66.7	(53.7 - 77.5)
Other	215	198	92.1	(87.7 - 95.0)	161	74.9	(68.7 - 80.2)
White	2,771	2,643	95.4	(94.5 - 96.1)	2,199	79.4	(77.8 - 80.8)
Hispanic	3,384	3,275	96.8	(96.1 - 97.3)	2,619	77.4	(76.0 - 78.8)
Missing	216						

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Statewide and Maternal County of Residence by Race/Ethnicity: 2007**

COUNTY INFANT RACE/ETHNICITY	TOTAL	ANY BREASTFEEDING			EXCLUSIVE BREASTFEEDING		
		Number	Percent	95% CI Lower Upper	Number	Percent	95% CI Lower Upper
SANTA BARBARA	5,566	5,158	92.7	(92.0 - 93.3)	3,169	56.9	(55.6 - 58.2)
African American	63	47	74.6	(62.7 - 83.7)	31	49.2	(37.3 - 61.2)
American Indian	3	*	*	*	*	*	*
Asian	108	101	93.5	(87.2 - 96.8)	75	69.4	(60.2 - 77.3)
Multiple Race	84	75	89.3	(80.9 - 94.3)	54	64.3	(53.6 - 73.7)
Pacific Islander	2	*	*	*	*	*	*
Other	31	29	93.5	(79.3 - 98.2)	17	*	*
White	1,699	1,609	94.7	(93.5 - 95.7)	1,266	74.5	(72.4 - 76.5)
Hispanic	3,371	3,104	92.1	(91.1 - 92.9)	1,626	48.2	(46.6 - 49.9)
Missing	205						
SANTA CLARA	23,633	21,873	92.6	(92.2 - 92.9)	14,667	62.1	(61.4 - 62.7)
African American	394	346	87.8	(84.2 - 90.7)	213	54.1	(49.1 - 58.9)
American Indian	10	8	*	*	5	*	*
Asian	7,479	6,945	92.9	(92.3 - 93.4)	4,430	59.2	(58.1 - 60.3)
Multiple Race	1,137	1,073	94.4	(92.9 - 95.6)	826	72.6	(70.0 - 75.2)
Pacific Islander	55	41	74.5	(61.7 - 84.2)	23	41.8	(29.7 - 55.0)
Other	369	350	94.9	(92.1 - 96.7)	242	65.6	(60.6 - 70.2)
White	5,143	4,857	94.4	(93.8 - 95.0)	3,858	75.0	(73.8 - 76.2)
Hispanic	8,446	7,708	91.3	(90.6 - 91.8)	4,695	55.6	(54.5 - 56.6)
Missing	600						
SANTA CRUZ	3,466	3,331	96.1	(95.4 - 96.7)	2,381	68.7	(67.1 - 70.2)
African American	10	9	*	*	8	*	*
American Indian	*	*	*	*	*	*	*
Asian	69	67	97.1	(90.0 - 99.2)	47	68.1	(56.4 - 77.9)
Multiple Race	106	105	99.1	(94.8 - 99.8)	90	84.9	(76.9 - 90.5)
Pacific Islander	1	*	*	*	*	*	*
Other	26	24	92.3	(75.9 - 97.9)	19	*	*
White	1,213	1,164	96.0	(94.7 - 96.9)	1,021	84.2	(82.0 - 86.1)
Hispanic	1,953	1,877	96.1	(95.2 - 96.9)	1,127	57.7	(55.5 - 59.9)
Missing	88						
SHASTA	1,988	1,815	91.3	(90.0 - 92.5)	1,663	83.7	(82.0 - 85.2)
African American	22	17	*	*	14	*	*
American Indian	34	29	85.3	(69.9 - 93.6)	27	79.4	(63.2 - 89.7)
Asian	33	24	72.7	(55.8 - 84.9)	17	*	*
Multiple Race	87	77	88.5	(80.1 - 93.6)	65	74.7	(64.7 - 82.7)
Pacific Islander	2	*	*	*	*	*	*
Other	15	12	*	*	11	*	*
White	1,555	1,441	92.7	(91.3 - 93.9)	1,351	86.9	(85.1 - 88.5)
Hispanic	216	191	88.4	(83.5 - 92.0)	155	71.8	(65.4 - 77.3)
Missing	24						
SIERRA	14	14	*	*	11	*	*
African American	*	*	*	*	*	*	*
American Indian	*	*	*	*	*	*	*
Asian	*	*	*	*	*	*	*
Multiple Race	*	*	*	*	*	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	*	*	*	*	*	*	*
White	12	12	*	*	9	*	*
Hispanic	2	*	*	*	*	*	*
Missing	*						
SISKIYOU	367	342	93.2	(90.1 - 95.3)	286	77.9	(73.4 - 81.9)
African American	6	*	*	*	*	*	*
American Indian	11	9	*	*	8	*	*
Asian	2	*	*	*	*	*	*
Multiple Race	25	24	96.0	(80.5 - 99.3)	21	84.0	(65.3 - 93.6)
Pacific Islander	*	*	*	*	*	*	*
Other	*	*	*	*	*	*	*
White	266	256	96.2	(93.2 - 97.9)	216	81.2	(76.1 - 85.4)
Hispanic	41	38	92.7	(80.6 - 97.5)	28	68.3	(53.0 - 80.4)
Missing	16						
SOLANO	5,088	4,490	88.2	(87.3 - 89.1)	2,705	53.2	(51.8 - 54.5)
African American	626	493	78.8	(75.4 - 81.8)	264	42.2	(38.4 - 46.1)
American Indian	7	7	*	*	*	*	*
Asian	544	494	90.8	(88.1 - 93.0)	272	50.0	(45.8 - 54.2)
Multiple Race	353	317	89.8	(86.2 - 92.5)	196	55.5	(50.3 - 60.6)
Pacific Islander	27	21	77.8	(59.2 - 89.4)	9	*	*
Other	65	62	95.4	(87.3 - 98.4)	42	64.6	(52.5 - 75.1)
White	1,482	1,328	89.6	(88.0 - 91.1)	950	64.1	(61.6 - 66.5)
Hispanic	1,834	1,633	89.0	(87.5 - 90.4)	882	48.1	(45.8 - 50.4)
Missing	150						

**California In-Hospital Breastfeeding as Indicated on the Newborn Screening Test Form
Statewide and Maternal County of Residence by Race/Ethnicity: 2007**

COUNTY INFANT RACE/ETHNICITY	TOTAL	ANY BREASTFEEDING			EXCLUSIVE BREASTFEEDING		
		Number	Percent	95% CI Lower Upper	Number	Percent	95% CI Lower Upper
SONOMA	5,210	4,991	95.8	(95.2 - 96.3)	3,852	73.9	(72.7 - 75.1)
African American	47	43	91.5	(80.1 - 96.6)	33	70.2	(56.0 - 81.3)
American Indian	12	12	*	*	8	*	*
Asian	158	146	92.4	(87.2 - 95.6)	105	66.5	(58.8 - 73.3)
Multiple Race	216	208	96.3	(92.9 - 98.1)	165	76.4	(70.3 - 81.6)
Pacific Islander	5	5	*	*	5	*	*
Other	29	29	100.0	(88.3 - 100.0)	21	72.4	(54.3 - 85.3)
White	2,254	2,155	95.6	(94.7 - 96.4)	1,771	78.6	(76.8 - 80.2)
Hispanic	2,381	2,291	96.2	(95.4 - 96.9)	1,666	70.0	(68.1 - 71.8)
Missing	108						
STANISLAUS	8,219	6,667	81.1	(80.3 - 81.9)	3,528	42.9	(41.9 - 44.0)
African American	148	106	71.6	(63.9 - 78.3)	49	33.1	(26.0 - 41.0)
American Indian	13	10	*	*	8	*	*
Asian	302	226	74.8	(69.6 - 79.4)	123	40.7	(35.3 - 46.4)
Multiple Race	240	187	77.9	(72.3 - 82.7)	104	43.3	(37.2 - 49.7)
Pacific Islander	14	6	*	*	*	*	*
Other	97	85	87.6	(79.6 - 92.8)	43	44.3	(34.8 - 54.2)
White	2,743	2,248	82.0	(80.5 - 83.3)	1,591	58.0	(56.1 - 59.8)
Hispanic	4,477	3,649	81.5	(80.3 - 82.6)	1,531	34.2	(32.8 - 35.6)
Missing	185						
SUTTER	1,395	1,116	80.0	(77.8 - 82.0)	491	35.2	(32.7 - 37.7)
African American	26	21	80.8	(62.1 - 91.5)	12	*	*
American Indian	3	*	*	*	*	*	*
Asian	148	101	68.2	(60.4 - 75.2)	25	16.9	(11.7 - 23.7)
Multiple Race	36	25	69.4	(53.1 - 82.0)	7	*	*
Pacific Islander	2	*	*	*	*	*	*
Other	23	16	*	*	7	*	*
White	586	494	84.3	(81.1 - 87.0)	301	51.4	(47.3 - 55.4)
Hispanic	545	435	79.8	(76.2 - 83.0)	129	23.7	(20.3 - 27.4)
Missing	26						
TEHAMA	684	613	89.6	(87.1 - 91.7)	428	62.6	(58.9 - 66.1)
African American	1	*	*	*	*	*	*
American Indian	1	*	*	*	*	*	*
Asian	6	6	*	*	5	*	*
Multiple Race	11	*	*	*	*	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	1	*	*	*	*	*	*
White	396	353	89.1	(85.7 - 91.8)	295	74.5	(70.0 - 78.5)
Hispanic	255	236	92.5	(88.7 - 95.2)	117	45.9	(39.9 - 52.0)
Missing	13						
TRINITY	95	90	94.7	(88.3 - 97.7)	81	85.3	(76.8 - 91.0)
African American	*	*	*	*	*	*	*
American Indian	2	*	*	*	*	*	*
Asian	*	*	*	*	*	*	*
Multiple Race	3	*	*	*	*	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	*	*	*	*	*	*	*
White	75	71	94.7	(87.1 - 97.9)	62	82.7	(72.6 - 89.6)
Hispanic	11	10	*	*	10	*	*
Missing	4						
TULARE	7,719	6,200	80.3	(79.4 - 81.2)	1,800	23.3	(22.4 - 24.3)
African American	94	61	64.9	(54.8 - 73.8)	17	*	*
American Indian	17	17	*	*	6	*	*
Asian	159	104	65.4	(57.7 - 72.4)	18	*	*
Multiple Race	81	53	65.4	(54.6 - 74.9)	28	34.6	(25.1 - 45.4)
Pacific Islander	*	*	*	*	*	*	*
Other	52	31	59.6	(46.1 - 71.8)	5	*	*
White	1,577	1,318	83.6	(81.7 - 85.3)	714	45.3	(42.8 - 47.7)
Hispanic	5,575	4,476	80.3	(79.2 - 81.3)	960	17.2	(16.3 - 18.2)
Missing	164						
TUOLUMNE	464	421	90.7	(87.7 - 93.0)	278	59.9	(55.4 - 64.3)
African American	*	*	*	*	*	*	*
American Indian	6	5	*	*	*	*	*
Asian	4	*	*	*	*	*	*
Multiple Race	13	12	*	*	7	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	2	*	*	*	*	*	*
White	373	341	91.4	(88.1 - 93.9)	228	61.1	(56.1 - 65.9)
Hispanic	60	52	86.7	(75.8 - 93.1)	32	53.3	(40.9 - 65.4)
Missing	6						

**California In-Hospital Breastfeeding as Indicated on the Newborn Screening Test Form
Statewide and Maternal County of Residence by Race/Ethnicity: 2007**

COUNTY INFANT RACE/ETHNICITY	TOTAL	ANY BREASTFEEDING			EXCLUSIVE BREASTFEEDING		
		Number	Percent	95% CI Lower Upper	Number	Percent	95% CI Lower Upper
VENTURA	11,297	10,165	90.0	(89.4 - 90.5)	5,019	44.4	(43.5 - 45.3)
African American	105	87	82.9	(74.5 - 88.9)	40	38.1	(29.4 - 47.6)
American Indian	9	7	*	*	*	*	*
Asian	542	522	96.3	(94.4 - 97.6)	201	37.1	(33.1 - 41.2)
Multiple Race	286	254	88.8	(84.6 - 92.0)	152	53.1	(47.4 - 58.9)
Pacific Islander	11	11	*	*	5	*	*
Other	82	76	92.7	(84.9 - 96.6)	49	59.8	(48.9 - 69.7)
White	3,275	2,962	90.4	(89.4 - 91.4)	1,961	59.9	(58.2 - 61.5)
Hispanic	6,634	5,940	89.5	(88.8 - 90.3)	2,469	37.2	(36.1 - 38.4)
Missing	353						
YOLO	2,351	2,130	90.6	(89.4 - 91.7)	1,559	66.3	(64.4 - 68.2)
African American	41	34	82.9	(68.7 - 91.5)	25	61.0	(45.7 - 74.3)
American Indian	5	*	*	*	*	*	*
Asian	187	168	89.8	(84.7 - 93.4)	115	61.5	(54.4 - 68.2)
Multiple Race	91	79	86.8	(78.4 - 92.3)	63	69.2	(59.1 - 77.8)
Pacific Islander	1	*	*	*	*	*	*
Other	39	36	92.3	(79.7 - 97.3)	21	53.8	(38.6 - 68.4)
White	924	841	91.0	(89.0 - 92.7)	672	72.7	(69.8 - 75.5)
Hispanic	1,015	927	91.3	(89.4 - 92.9)	629	62.0	(58.9 - 64.9)
Missing	48						
YUBA	1,231	1,009	82.0	(79.7 - 84.0)	567	46.1	(43.3 - 48.9)
African American	22	16	*	*	12	*	*
American Indian	7	5	*	*	*	*	*
Asian	53	30	56.6	(43.3 - 69.0)	16	*	*
Multiple Race	46	37	80.4	(66.8 - 89.3)	19	*	*
Pacific Islander	*	*	*	*	*	*	*
Other	43	25	58.1	(43.3 - 71.6)	10	*	*
White	638	528	82.8	(79.6 - 85.5)	335	52.5	(48.6 - 56.4)
Hispanic	392	342	87.2	(83.6 - 90.2)	152	38.8	(34.1 - 43.7)
Missing	30						

Data Source: California Department of Public Health, Center for Family Health, Genetic Disease Screening Program, Newborn Screening Data, 2007
Prepared by: California Department of Public Health, Center for Family Health, Maternal, Child and Adolescent Health Program

Note 1: All nonmilitary hospitals providing maternity services are required to complete the Newborn Screening Test Form.

Infant feeding data presented in this report include all feedings since birth to time of specimen collection, usually 24 to 48 hours since birth.

Upon completing the form, staff must select one of the following five categories to describe 'all feedings since birth' (not including water feedings):

(1) Breast only; (2) Formula only; (3) Breast and Formula; (4) TPN/Hyperal and (5) Other.

Cases reported on the Newborn Screening Test Form NBS-I(C) (6/07), were excluded from analysis (n=2,045; 0.4%).

Note 2: The numerator for "Exclusive Breastfeeding" includes records marked 'Breast Only'. The numerator for "Any Breastfeeding" includes records marked as either 'Breast Only' or 'Breast and Formula'. The denominator excludes cases with unknown method of feeding and cases marked as TPN/Hyperal or Other. Statewide approximately 5.0% of cases have missing feeding information, 1.1% are coded as TPN/Hyperal and 1.1% are coded as Other.

Note 3: Infant race/ethnicity is based upon mother and father race/ethnicity as reported on the birth certificate and recorded on the Newborn Screening Test Form. Data for individual race groups exclude persons of Hispanic ethnicity.

Note 4: Maternal county of residence data are missing for 0.6% of cases.

Note 5: Data for cases with missing race/ethnicity are not shown, but are included in the totals.

Note 6: 95% confidence intervals are shown in parentheses. Confidence intervals were computed using the Wilson Score formula.

Newcombe, R.G. (1998). Two-sided confidence intervals for the single proportion: comparison of seven methods. *Statistics in Medicine*, 17: 857-872.