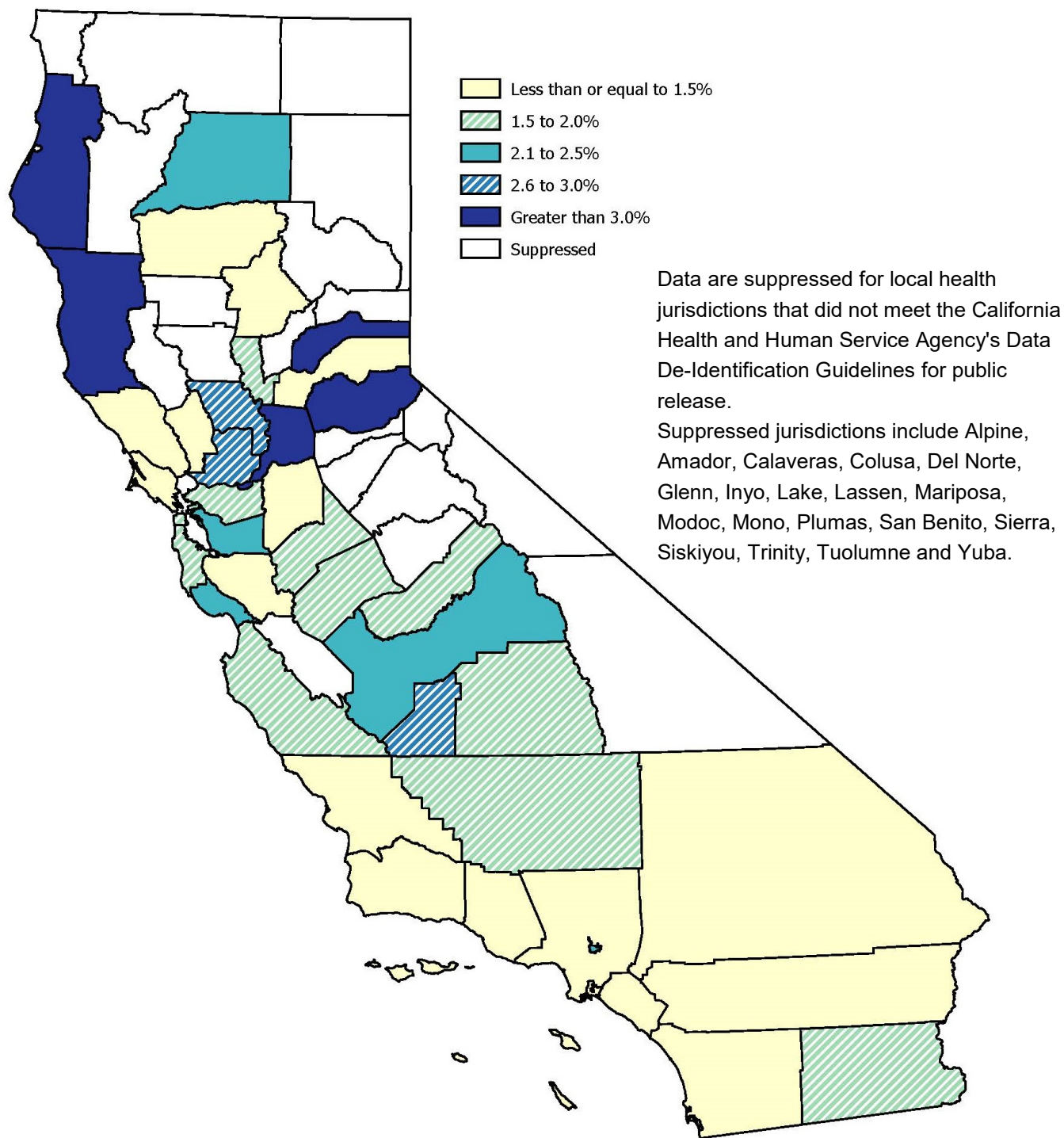


# Map 1: Percent of Children Under 6 Years Old with a Blood Lead Level 4.5 mcg/dL or Greater, by California Local Health Jurisdictions, 2018



- Data are from the RASSCLE surveillance database archive of 4/3/2019.
- Each individual is counted only once, using their highest blood lead level (BLL) during 2018.
- Measures are in mcg/dL (micrograms per deciliter) of whole blood and include arterial, cord, venous, capillary, and unknown samples. Not all elevated capillary samples are confirmed by a follow-up venous sample.
- Results later determined to be false positive and errors have been excluded.
- All results of blood lead analyses are reportable under California law, and the State works to ensure complete reporting. Results that are not submitted to the State, however, would not be included here.
- Those BLLs reported from the analyzing laboratory as "< 5 mcg/dL" are included in the category "BLL < 4.5 mcg/dL".
- If an individual moved between two jurisdictions, then the child's jurisdiction at the time of their highest BLL is the one counted.
- Patient jurisdiction is determined by using a geocoded county boundary layer i.e. the X and Y coordinates projected using Web Mercator Auxiliary Sphere 1984.
- Refer to Table 1 for data table.

**Table 1. California Local Health Jurisdictions, by Percent of Children Under 6 Years Old with a Blood Lead Level of 4.5 mcg/dL or Greater, in Descending Order, with Estimates of Children in Medi-Cal and Total Population, 2018**

Local Health Jurisdiction	BLL < 4.5 n	BLL < 4.5 % (row)	BLL ≥ 4.5 n	BLL ≥ 4.5 % (row)	Total number of children under 6 screened	Estimate of the number of children under 6 in Medi-Cal	Estimate of the number of children under 6
Humboldt	1,686	92.33%	140	7.67%	1,826	5,359	8,387
Mendocino	967	96.03%	40	3.97%	1,007	Cannot estimate	6,603
Nevada	270	96.09%	11	3.91%	281	Cannot estimate	4,776
El Dorado	521	96.13%	21	3.87%	542	2,968	9,560
Sacramento	14,490	96.27%	561	3.73%	15,051	56,050	118,765
Solano	4,470	97.05%	136	2.95%	4,606	14,188	32,701
Yolo	2,221	97.28%	62	2.72%	2,283	5,624	14,183
Kings	2,194	97.29%	61	2.71%	2,255	5,772	14,020
Fresno	15,221	97.53%	386	2.47%	15,607	59,131	90,338
Alameda	15,945	97.78%	362	2.22%	16,307	32,969	107,004
Pasadena	1,346	97.89%	29	2.11%	1,375	Cannot estimate	9,643
Santa Cruz	2,214	97.96%	46	2.04%	2,260	8,759	17,250
Shasta	534	97.98%	11	2.02%	545	6,961	12,595
San Mateo	5,938	98.04%	119	1.96%	6,057	12,519	52,353
Tulare	5,711	98.04%	114	1.96%	5,825	25,409	43,640
Suppressed jurisdictions	4,539	98.14%	86	1.86%	4,625	Cannot estimate	41,339
Merced	3,706	98.15%	70	1.85%	3,776	18,572	25,692
Monterey	7,354	98.20%	135	1.80%	7,489	49,515	81,996
Kern	16,998	98.20%	312	1.80%	17,310	Cannot estimate	37,482
Stanislaus	7,448	98.22%	135	1.78%	7,583	25,873	46,011
Berkeley	616	98.25%	11	1.75%	627	Cannot estimate	9,149

Imperial	4,447	98.28%	78	1.72%	4,525	11,271	18,886
San Francisco	8,073	98.28%	141	1.72%	8,214	12,724	51,719
Sutter	1,188	98.34%	20	1.66%	1,208	Cannot estimate	8,125
Madera	3,898	98.38%	64	1.62%	3,962	9,550	13,170
Contra Costa	7,062	98.48%	109	1.52%	7,171	25,272	75,481
Santa Clara	18,542	98.53%	277	1.47%	18,819	40,116	141,833
San Joaquin	10,426	98.56%	152	1.44%	10,578	33,027	60,278
Santa Barbara	4,499	98.60%	64	1.40%	4,563	17,600	33,325
San Diego	38,639	98.63%	537	1.37%	39,176	87,710	254,756
Los Angeles	140,141	98.67%	1,882	1.33%	142,023	352,592	686,779
Sonoma	2,782	98.90%	31	1.10%	2,813	11,596	28,089
Tehama	1,550	98.92%	17	1.08%	1,567	Cannot estimate	4,918
Orange	32,094	98.98%	332	1.02%	32,426	94,529	231,137
Placer	987	99.00%	10	1.00%	997	5,456	23,106
San Luis Obispo	1,279	99.07%	12	0.93%	1,291	8,034	14,930
Butte	1,817	99.07%	17	0.93%	1,834	5,682	15,494
Napa	893	99.11%	8	0.89%	901	3,419	8,781
Marin	1,690	99.12%	15	0.88%	1,705	3,858	13,667
Long Beach	5,689	99.18%	47	0.82%	5,736	Cannot estimate	34,021
San Bernardino	32,832	99.24%	251	0.76%	33,083	101,157	181,187
Ventura	7,009	99.31%	49	0.69%	7,058	25,537	61,179
Riverside	33,866	99.47%	180	0.53%	34,046	91,722	181,235
CLPPB (including unknown jurisdictions)	21	100.00%	0	0.00%	21	Cannot estimate	Cannot estimate
California Totals	473,813	98.52%	7,141	1.48%	480,954	1,356,495	2,923,480

Notes for BLL data:

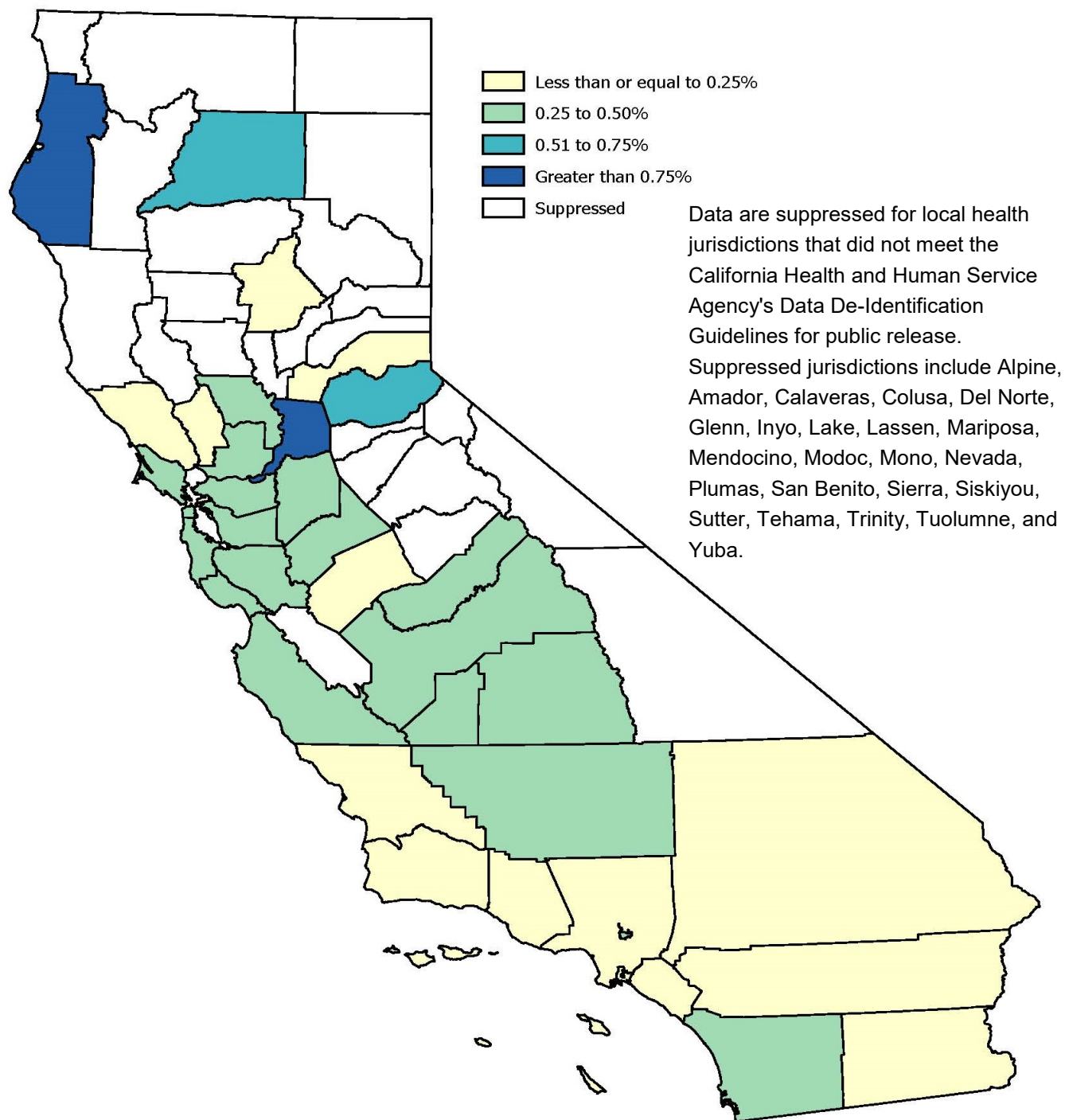
- Data are from the RASSCLE surveillance database archive of 4/3/2019. Analysis was completed on 12/11/2019.
- Each individual is counted only once, using their highest BLL during 2018.
- Measures are in mcg/dL of whole blood and include arterial, cord, venous, capillary and unknown samples. Not all elevated capillary samples are confirmed by a follow-up venous sample.
- Results later determined to be false positive and errors have been excluded.

- All results of blood lead analyses are reportable under California law, and the State works to ensure complete reporting. Results that are not submitted to the State, however, would not be included here.
- Those BLLs reported from the analyzing laboratory as “<5 mcg/dL” are included in the category “BLL <4.5 mcg/dL.”
- If an individual moved between two jurisdictions, then the child's jurisdiction at the time of their highest BLL is the one counted.
- Patient jurisdiction is determined by geocoding the address associated with the child's highest BLL and spatially joining it to a jurisdiction boundary layer. This analysis used the Web Mercator Auxiliary Sphere projection.
- Data are suppressed for local health jurisdictions that did not have enough blood lead tests in 2018 to meet the California Health and Human Services Agency's Data De-Identification Guidelines for public release. Therefore, not all jurisdictions are shown in this table.

Notes for estimates of number of children on Medi-Cal and number of children under 6 in California for 2018:

- The estimate of the number of children under 6 was based on the California Department of Finance County Population Projections by Age. We also created estimates for the following cities: Berkeley, Long Beach, and Pasadena,
- The estimate of the number of children on Medi-Cal in 2018 were based on the percentage of under 6-year-olds that are on Medicaid were based on the 2013-2017 American Community Survey (ACS; 5-Year Estimates).
- The smallest geographic areas in the available ACS data were Public Use Microdata Areas (PUMAs). Since PUMAs must contain at least 100,000 people, some counties are grouped together in one PUMA. Therefore, we do not have estimates for several individual counties. We did not try to create estimates for the following cities: Berkeley, Long Beach, and Pasadena.
- For some of the smaller geographies, we have less certainty of the percentage. Confidence intervals were calculated but are not shown in the table.

**Map 2: Percent of Children Under 6 Years Old with a Blood Lead Level 9.5 mcg/dL or Greater, by California Local Health Jurisdiction, 2018**



- Data are from the RASSCLE surveillance database archive of 4/3/2019.
- Each individual is counted only once, using their highest blood lead level (BLL) during 2018.
- Measures are in mcg/dL (micrograms per deciliter) of whole blood and include arterial, cord, venous, capillary, and unknown samples. Not all elevated capillary samples are confirmed by a follow-up venous sample.
- Results later determined to be false positive and errors have been excluded.
- All results of blood lead analyses are reportable under California law, and the State works to ensure complete reporting. Results that are not submitted to the State, however, would not be included here.
- Those BLLs reported from the analyzing laboratory as "< 5 mcg/dL" are included in the category "BLL < 4.5 mcg/dL".
- If an individual moved between two jurisdictions, then the child's jurisdiction at the time of their highest BLL is the one counted.
- Patient jurisdiction is determined by using a geocoded county boundary layer i.e. the X and Y coordinates projected using Web Mercator Auxiliary Sphere 1984.
- Refer to Table 2 for data table.



**Table 2. California Local Health Jurisdictions, by Percent of Children Under 6 Years Old with a Blood Lead Level of 9.5 mcg/dL or Greater, in Descending Order, 2018**

Local Health Jurisdiction	BLL < 9.5 n	BLL < 9.5 % (row)	BLL ≥ 9.5 n	BLL ≥ 9.5 % (row)	Totals
Humboldt	1,808	99.01%	18	0.99%	1,826
Sacramento	14,921	99.14%	130	0.86%	15,051
El Dorado	539	99.45%	3	0.55%	542
Shasta	542	99.45%	3	0.55%	545
Yolo	2,272	99.52%	11	0.48%	2,283
Monterey	6,863	99.52%	33	0.48%	6,896
Solano	4,585	99.54%	21	0.46%	4,606
Fresno	15,541	99.58%	66	0.42%	15,607
San Francisco	8,182	99.61%	32	0.39%	8,214
Alameda	16,245	99.62%	62	0.38%	16,307
Santa Clara	18,750	99.63%	69	0.37%	18,819
Marin	1,689	99.65%	6	0.35%	1,695
Santa Cruz	2,252	99.65%	8	0.35%	2,260
Stanislaus	7,557	99.66%	26	0.34%	7,583
Contra Costa	7,147	99.67%	24	0.33%	7,171
Kern	17,254	99.68%	56	0.32%	17,310
San Mateo	6,038	99.69%	19	0.31%	6,057
Kings	2,248	99.69%	7	0.31%	2,255
Suppressed jurisdictions	11,440	99.70%	34	0.30%	11,474
San Joaquin	10,547	99.71%	31	0.29%	10,578
Pasadena	1,371	99.71%	4	0.29%	1,375
Tulare	5,809	99.73%	16	0.27%	5,825
San Diego	39,074	99.74%	102	0.26%	39,176
Madera	3,908	99.74%	10	0.26%	3,918
Santa Barbara	4,552	99.76%	11	0.24%	4,563
San Luis Obispo	1,288	99.77%	3	0.23%	1,291
Los Angeles	139,644	99.78%	310	0.22%	139,954
Imperial	4,515	99.78%	10	0.22%	4,525
Sonoma	2,807	99.79%	6	0.21%	2,813
Placer	995	99.80%	2	0.20%	997
Orange	32,365	99.81%	61	0.19%	32,426
Long Beach	5,674	99.82%	10	0.18%	5,684
Berkeley	626	99.84%	1	0.16%	627
Ventura	7,048	99.86%	10	0.14%	7,058
Merced	3,771	99.87%	5	0.13%	3,776
San Bernardino	33,041	99.87%	42	0.13%	33,083
Napa	882	99.89%	1	0.11%	883
Butte	1,832	99.89%	2	0.11%	1,834
Riverside	34,020	99.92%	26	0.08%	34,046
CLPPB	21	100.00%	0	0.00%	21
California Totals	479,663	99.73%	1,291	0.27%	480,954

- Data are from the RASSCLE surveillance database archive of 4/3/2019.
- Each individual is counted only once, using their highest BLL during 2018.
- Measures are in mcg/dL of whole blood and include arterial, cord, venous, capillary and unknown samples. Not all elevated capillary samples are confirmed by a follow-up venous sample.
- Results later determined to be false positive and errors have been excluded.
- All results of blood lead analyses are reportable under California law, and the State works to ensure complete reporting. Results that are not submitted to the State, however, would not be included here.
- If an individual moved between two jurisdictions, then the child's jurisdiction at the time of their highest BLL is the one counted.
- Patient jurisdiction is determined by geocoding the address associated with the child's highest BLL and spatially joining it to a jurisdiction boundary layer. This analysis used the Web Mercator Auxiliary Sphere projection.
- Data are suppressed for local health jurisdictions that did not have enough blood lead tests in 2018 to meet the California Health and Human Services Agency's Data De-Identification Guidelines for public release. However, the California Totals include the data from suppressed jurisdictions. Suppressed jurisdictions include Alpine, Amador, Calaveras, Colusa, Del Norte, Glenn, Inyo, Lake, Lassen, Mariposa, Mendocino, Modoc, Mono, Nevada, Plumas, San Benito, Sierra, Siskiyou, Sutter, Tehama, Trinity, Tuolumne, and Yuba.