

2014- 2015 KINDERGARTEN IMMUNIZATION ASSESSMENT RESULTS  
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, IMMUNIZATION BRANCH

Introduction

The annual kindergarten assessment is conducted each fall to monitor compliance with the California School Immunization Law. Results from this assessment are used to measure immunization coverage among students entering kindergarten. Under Assembly Bill 2109 (2012), California Health and Safety Code Section 120335 modified the process of obtaining a personal beliefs exemption (PBE) to immunization and requires documentation that health care practitioners have informed parents about vaccines and diseases. A religious exemption option was added when the bill was signed. This report summarizes the assessment of kindergarten immunization requirements based on reporting from California schools. The attached tables present immunization rates by county.

Methods

Staff from 7,738 of California's 8,170 schools with kindergartners (95%, Table 2) submitted immunization assessment reports to local health departments and CDPH Immunization Branch. Changes to this year's report include several new PBE measures. Pursuant to the new PBE law, in addition to the standard PBE totals measure, students with PBEs were placed into one of three new PBE subcategories (see Tables 3, 4, and 5): 1) students who enrolled in kindergarten prior to January 2014 ('pre-Jan PBE') who were not subject to the new requirements (i.e., 2<sup>nd</sup> year students in a two year kindergarten program), 2) students whose parents received documented vaccine counseling from a qualified health care practitioner with the last 6 months ('Health Care Practitioner Counseled' PBE), or 3) students whose parents declared an objection to seeking medical advice or treatment from authorized health care practitioners ('Religious' PBE).

Results and Discussion

Table 1 shows the results from this fall's kindergarten assessment for the state as a whole and by school type. This year 90.4% of the 535,332 students enrolled in reporting kindergartens received all required immunizations (4+ DTP, 3+ Polio, 2+ MMR, 3+ Hep B, and 1+ Var or physician-documented varicella disease), a 0.2% increase from last year. In addition, the percentage of conditional entrants increased by 0.4% from last year. The percentage of students with permanent medical exemptions (PMEs) stayed the same at 0.19%. There was also a 0.61% decrease in students with PBEs compared with last year. Immunization coverage remained above 92% for each vaccine for all schools since last year.

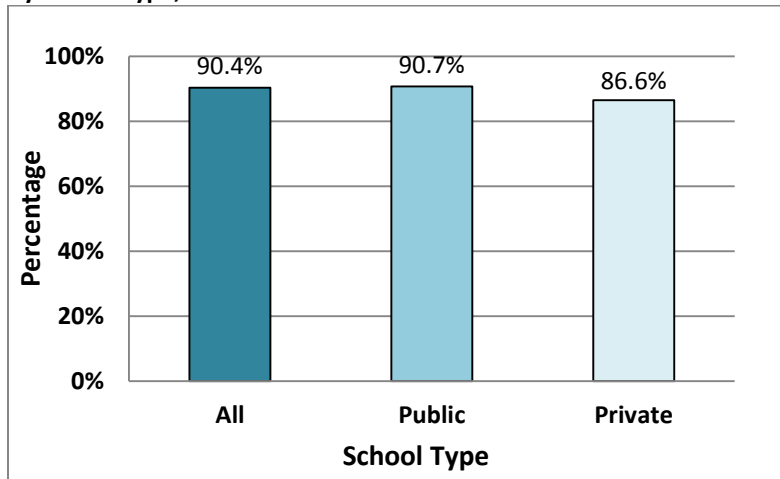
**Table 1: Kindergarten Immunization Assessment, 2013-2014 and 2014-2015 School Years\***

	2013-14			2014-15		
	All	Public	Private	All	Public	Private
Number of Schools	7,684	5,852	1,832	7,738	5,895	1,843
Number of Students	533,680	491,905	41,775	535,234	494,636	40,598
All Required Immunizations	90.2%	90.6%	85.4%	90.4%	90.7%	86.6%
Conditional Entrants	6.5%	6.3%	8.5%	6.9%	6.8%	7.8%
Permanent Medical Exemptions	0.19%	0.18%	0.29%	0.19%	0.19%	0.29%
Personal Belief Exemptions	3.15%	2.92%	5.88%	2.54%	2.31%	5.33%
Pre-January 2014	-	-	-	0.38%	0.27%	1.67%
Health Care Practitioner Counseled	-	-	-	1.64%	1.54%	2.85%
Religious	-	-	-	0.52%	0.49%	0.80%
4+ DTP	92.2%	92.5%	88.6%	92.4%	92.6%	89.2%
3+ Polio	92.6%	93.0%	88.5%	93.0%	93.3%	89.5%
2+ MMR	92.3%	92.7%	87.6%	92.6%	92.9%	88.8%
3+ Hep B	94.8%	95.0%	91.8%	94.9%	95.1%	92.0%
1+ Vari (or physician-documented disease)	95.3%	95.5%	92.1%	95.4%	95.7%	92.5%

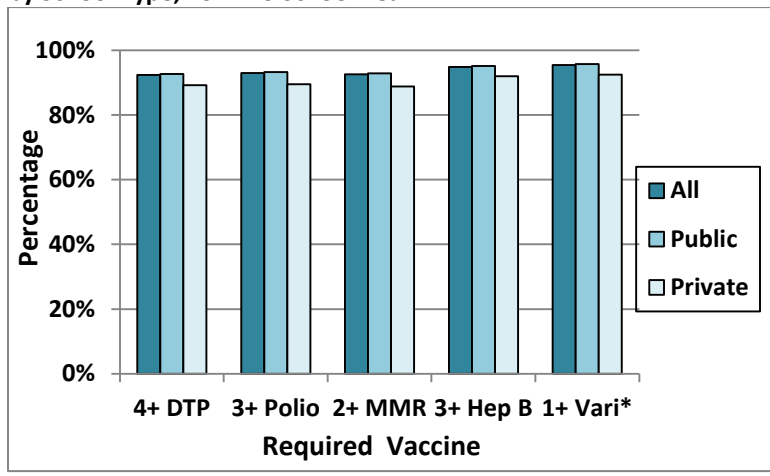
\*Individual antigen status is unavailable for students with PBEs. Therefore, individual antigen immunization coverage may be underestimated; anecdotal evidence suggests a small percentage of students may have some but not all required immunizations.

Compared with private schools, public schools had a higher percentage of students with all required immunizations (Table 1 and Figure 1) as well as students immunized with each vaccine series (Figure 2). The highest percentages of students were up-to-date for the 1-dose varicella requirement, followed by the 3-dose Hepatitis B series.

**Figure 1: Percentage of California Kindergarten Students with All Required Immunizations By School Type, 2014-15 School Year**



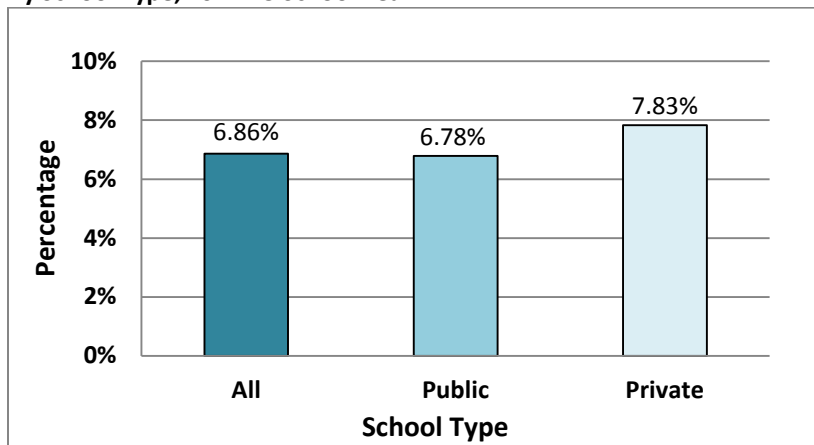
**Figure 2: Percentage of California Kindergarten Students Completing Required Vaccine Series by School Type, 2014-15 School Year**



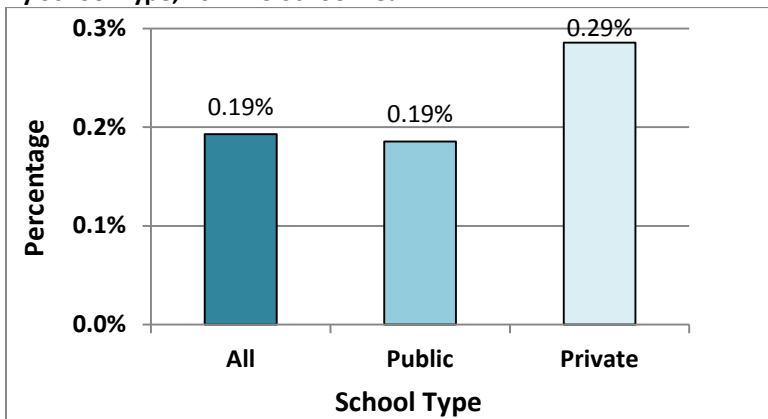
\*1 or more doses of varicella or physician-documented disease

In addition, compared with kindergarten students in private schools, public school Kindergarten students had a lower percentage of ‘Conditional’ entrants (Figure 3), students with PMEs (Figure 4), and students with PBEs (Figure 5). The percentage of ‘Conditional’ entrants in public schools this year was 1% lower than the percentage in private schools. Also, the percentage of public school PBEs was 3% lower than the percentage of PBEs in private schools. Compared to last year, the reduction in the percentage of PBE students in public schools (-0.61%) was larger than the reduction in private schools (-0.55%). Of the new PBEs taken in 2014-15, the majority of students took a Health Care Practitioner Counseled Exemption (77%) compared with a Religious Exemption (23%). This approximately 3 to 1 ratio of ‘Counseled’ to ‘Religious’ PBEs was similar in both public and private schools (Figure 6).

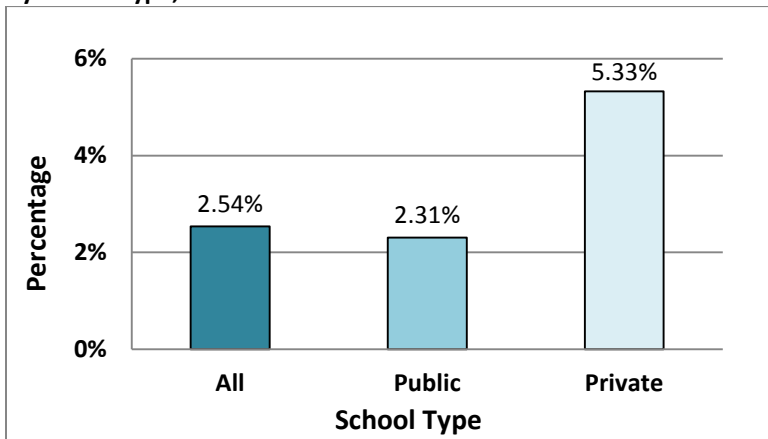
**Figure 3: Percentage of Conditional Entrants Among California Kindergarten By School Type, 2014-15 School Year**



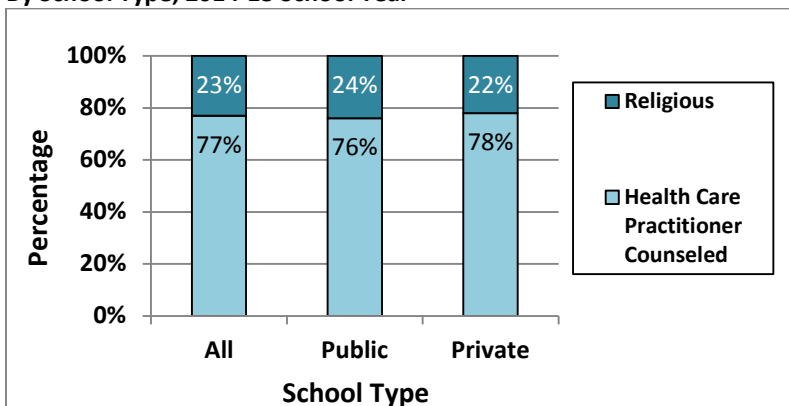
**Figure 4: Percentage of California Kindergarten Students with a Permanent Medical Exemption By School Type, 2014-15 School Year**



**Figure 5: Percentage of California Kindergarten Students with a Personal Beliefs Exemption By School Type, 2014-15 School Year**

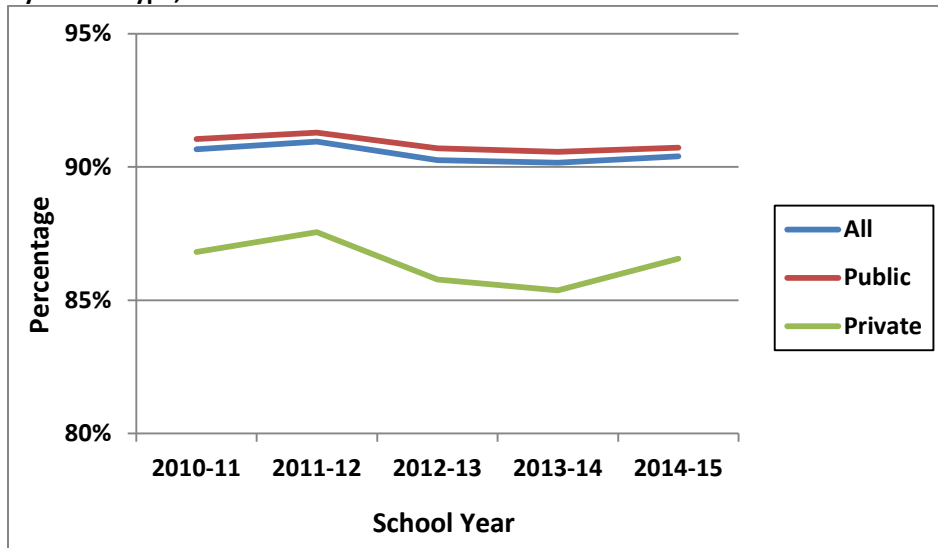


**Figure 6: Percentage of California Kindergarten Students with a Health Care Practitioner Counseled or Religious Exemption By School Type, 2014-15 School Year**



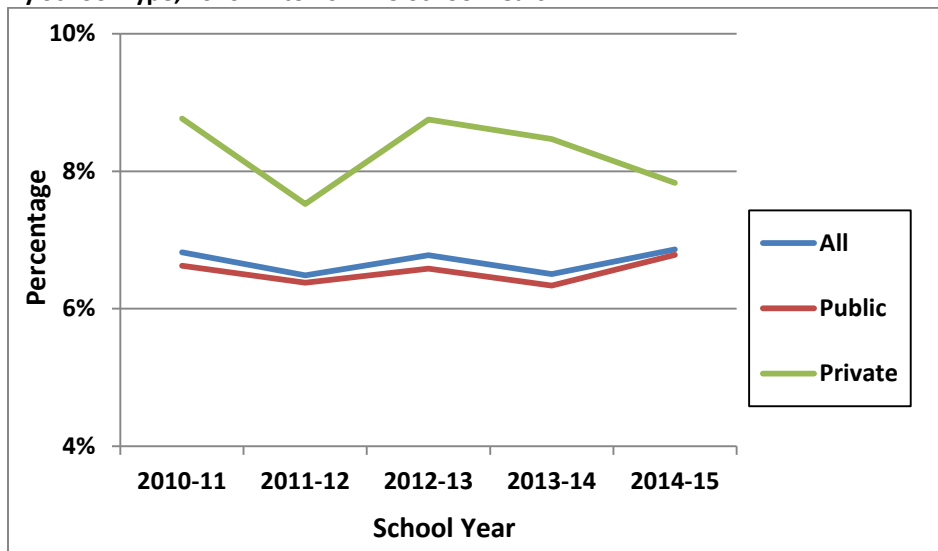
Over the past five years, students with all required immunizations in all reporting schools has decreased very slightly from 90.7% in the 2010-11 school year to 90.4% in the 2014-15 school year (Figure 7). Public school students have had on average a 4 percent higher percentage of all required immunizations compared with private school students.

**Figure 7: Percentage of California Kindergartners with All Required Immunizations, By School Type, 2010-11 to 2014-15 School Years**



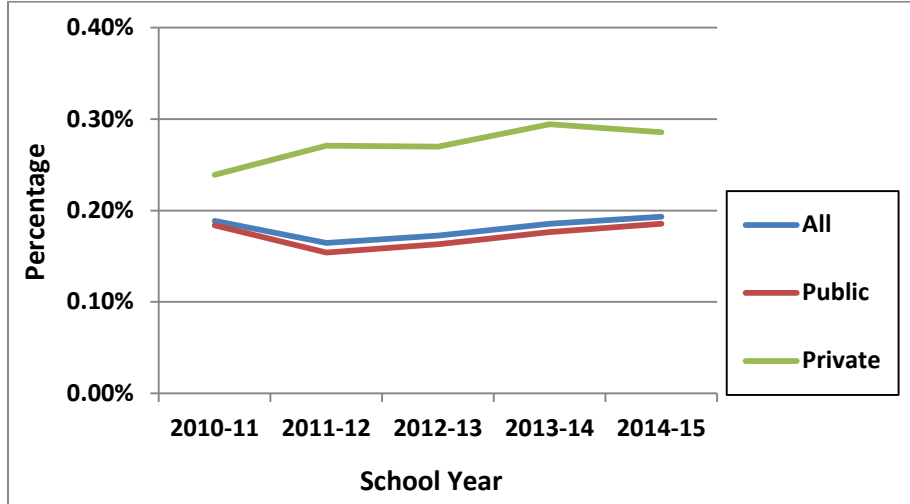
The percentage of 'Conditional' entrants in all schools has overall tended to remain stable over the past five years (Figure 7). Public schools have consistently had a lower percentage of 'Conditional' entrants than private schools, though the gap is lessening.

**Figure 7: Percentage of Conditional Entrants Among California Kindergartners By School Type, 2010-11 to 2014-15 School Years**



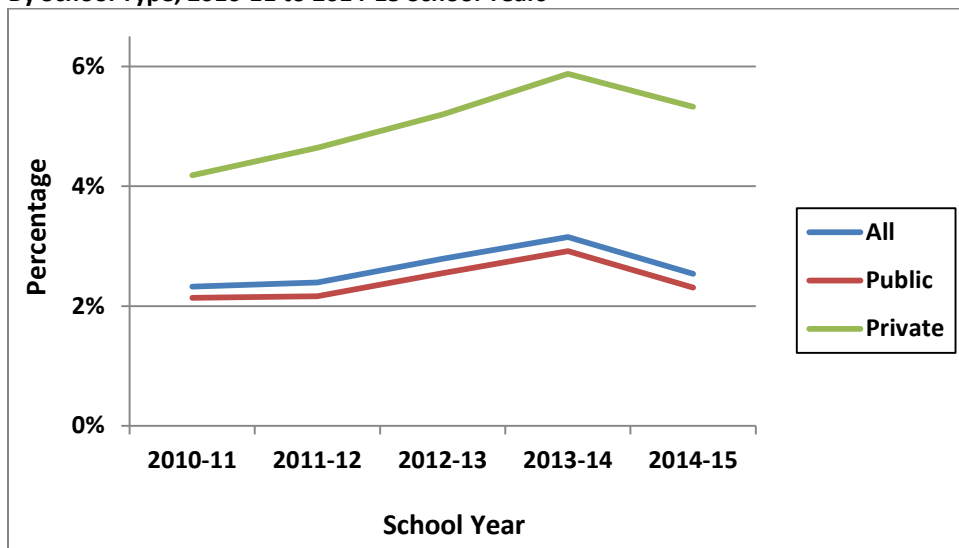
The percentage of students with a PME has increased slightly among all reporting schools including both public and private schools over the past five years (Figure 8).

**Figure 8: Percentage of California Kindergartners with Permanent Medical Exemptions, By School Type, 2010-11 to 2014-15 School Years**



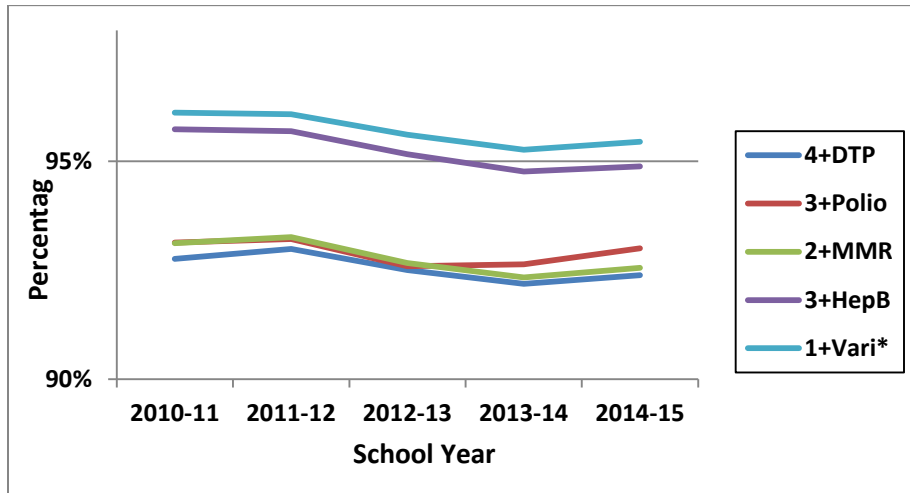
The percentage of PBE students had consistently increased annually among all reporting schools until this year (Figure 9), when there was a 19% decrease in the percentage of PBE students compared with last year. While public school PBE rates decreased by 21% (from 2.92% to 2.31%), private school PBE rates decreased only 9% (from 5.88% to 5.33%). Over the past five years, public schools consistently reported a lower percentage of PBE students than private schools. In addition, until this year, private school PBE rates were increasing at a faster rate than public school PBE rates.

**Figure 9: Percentage of California Kindergartners with Personal Beliefs Exemptions, By School Type, 2010-11 to 2014-15 School Years**



Over the past 5 years, the percentage of students completing each of the required vaccines has declined steadily (Figure 10). Moreover, the percentage of students completing the required 4-dose DTP series, the 3-dose Polio series, and 2-dose MMR vaccines have been consistently two to three percent lower than students completing the 1-dose Varicella or the 3-dose Hepatitis B series.

**Figure 10: Percentage of California Kindergartners Completing Required Vaccines 2010-11 to 2014-15 School Years**



\*1 or more doses of varicella or physician-documented disease

Description of Attached Tables

Enclosed is a full set of tables showing this year’s results. Table 2 shows the number and percentage of schools reporting by county and type (public or private). Table 3 shows total enrollment and admission status by county. Table 4 shows the number and percentage of students taking a PBE by county compared with the previous school year. Table 5 shows total exemption status (i.e, PME and PBE status) by county compared with the previous school year. Table 6 shows students immunized for each vaccine by county.

For further information, please contact Teresa Lee at (510) 620-3746 or [Teresa.Lee2@cdph.ca.gov](mailto:Teresa.Lee2@cdph.ca.gov) at the California Department of Public Health, Immunization Branch.

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2014-2015  
 TABLE 2: NUMBER AND PERCENTAGE OF SCHOOLS REPORTING  
 BY COUNTY AND TYPE

	SCHOOL TYPE								
	ALL			PUBLIC			PRIVATE		
	NUMBER OF SCHOOLS	NUMBER REPORTING	PERCENT REPORTING	NUMBER OF SCHOOLS	NUMBER REPORTING	PERCENT REPORTING	NUMBER OF SCHOOLS	NUMBER REPORTING	PERCENT REPORTING
STATE TOTAL	8,170	7,738	94.71%	6,072	5,895	97.08%	2,098	1,843	87.85%
COUNTY									
ALAMEDA	340	300	88.24%	237	218	91.98%	103	82	79.61%
ALPINE	1	0	0.00%	1	0	0.00%	0	0	0.00%
AMADOR	8	8	100.00%	8	8	100.00%	0	0	0.00%
BUTTE	55	55	100.00%	47	47	100.00%	8	8	100.00%
CALAVERAS	16	11	68.75%	13	10	76.92%	3	1	33.33%
COLUSA	5	5	100.00%	4	4	100.00%	1	1	100.00%
CONTRA COSTA	218	211	96.79%	157	155	98.73%	61	56	91.80%
DEL NORTE	11	10	90.91%	11	10	90.91%	0	0	0.00%
EL DORADO	40	40	100.00%	35	35	100.00%	5	5	100.00%
FRESNO	228	226	99.12%	202	201	99.50%	26	25	96.15%
GLENN	12	10	83.33%	11	9	81.82%	1	1	100.00%
HUMBOLDT	60	54	90.00%	53	49	92.45%	7	5	71.43%
IMPERIAL	45	45	100.00%	38	38	100.00%	7	7	100.00%
INYO	9	6	66.67%	9	6	66.67%	0	0	0.00%
KERN	187	183	97.86%	156	153	98.08%	31	30	96.77%
KINGS	38	38	100.00%	32	32	100.00%	6	6	100.00%
LAKE	19	17	89.47%	16	14	87.50%	3	3	100.00%
LASSEN	16	15	93.75%	16	15	93.75%	0	0	0.00%
LOS ANGELES	2,009	1,788	89.00%	1,344	1,279	95.16%	665	509	76.54%
MADERA	44	33	75.00%	39	30	76.92%	5	3	60.00%
MARIN	71	71	100.00%	45	45	100.00%	26	26	100.00%
MARIPOSA	7	7	100.00%	7	7	100.00%	0	0	0.00%
MENDOCINO	37	31	83.78%	31	25	80.65%	6	6	100.00%
MERCED	72	63	87.50%	59	54	91.53%	13	9	69.23%
MODOC	5	5	100.00%	4	4	100.00%	1	1	100.00%
MONO	6	6	100.00%	5	5	100.00%	1	1	100.00%
MONTEREY	94	91	96.81%	81	80	98.77%	13	11	84.62%
NAPA	39	39	100.00%	25	25	100.00%	14	14	100.00%



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	NUMBER OF SCHOOLS	NUMBER REPORTING	PERCENT REPORTING	NUMBER OF SCHOOLS	NUMBER REPORTING	PERCENT REPORTING	NUMBER OF SCHOOLS	NUMBER REPORTING	PERCENT REPORTING
STATE TOTAL	8,170	7,738	94.71%	6,072	5,895	97.08%	2,098	1,843	87.85%
COUNTY									
NEVADA	25	25	100.00%	21	21	100.00%	4	4	100.00%
ORANGE	601	601	100.00%	394	394	100.00%	207	207	100.00%
PLACER	96	93	96.88%	81	79	97.53%	15	14	93.33%
PLUMAS	9	7	77.78%	5	4	80.00%	4	3	75.00%
RIVERSIDE	380	377	99.21%	293	293	100.00%	87	84	96.55%
SACRAMENTO	313	284	90.73%	241	231	95.85%	72	53	73.61%
SAN BENITO	23	21	91.30%	19	17	89.47%	4	4	100.00%
SAN BERNARDINO	432	430	99.54%	346	346	100.00%	86	84	97.67%
SAN DIEGO	609	609	100.00%	472	472	100.00%	137	137	100.00%
SAN FRANCISCO	149	146	97.99%	75	75	100.00%	74	71	95.95%
SAN JOAQUIN	183	181	98.91%	159	158	99.37%	24	23	95.83%
SAN LUIS OBISPO	61	61	100.00%	45	45	100.00%	16	16	100.00%
SAN MATEO	162	161	99.38%	109	109	100.00%	53	52	98.11%
SANTA BARBARA	100	99	99.00%	78	78	100.00%	22	21	95.45%
SANTA CLARA	373	353	94.64%	258	242	93.80%	115	111	96.52%
SANTA CRUZ	65	63	96.92%	46	46	100.00%	19	17	89.47%
SHASTA	64	55	85.94%	52	46	88.46%	12	9	75.00%
SIERRA	2	2	100.00%	2	2	100.00%	0	0	0.00%
SISKIYOU	29	29	100.00%	25	25	100.00%	4	4	100.00%
SOLANO	73	71	97.26%	57	57	100.00%	16	14	87.50%
SONOMA	128	128	100.00%	109	109	100.00%	19	19	100.00%
STANISLAUS	128	122	95.31%	114	112	98.25%	14	10	71.43%
SUTTER	33	32	96.97%	28	28	100.00%	5	4	80.00%
TEHAMA	24	24	100.00%	23	23	100.00%	1	1	100.00%
TRINITY	11	11	100.00%	11	11	100.00%	0	0	0.00%
TULARE	129	114	88.37%	114	107	93.86%	15	7	46.67%
TUOLUMNE	17	14	82.35%	13	12	92.31%	4	2	50.00%
VENTURA	192	192	100.00%	140	140	100.00%	52	52	100.00%
YOLO	42	40	95.24%	32	31	96.88%	10	9	90.00%
YUBA	25	25	100.00%	24	24	100.00%	1	1	100.00%

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2014-2015  
 TABLE 3: TOTAL ENROLLMENT AND ADMISSION STATUS  
 BY COUNTY

	TOTAL STUDENTS	ENTRANTS WITH ALL REQ. IMMUN.		CONDITIONAL ENTRANTS		ENTRANTS WITH PME		ENTRANTS WITH PBE	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	535,234	483,877	90.40%	36,731	6.86%	1,034	0.19%	13,592	2.54%
COUNTY									
ALAMEDA	20,801	18,427	88.59%	2,014	9.68%	39	0.19%	321	1.54%
ALPINE	0	0	0.00%	0	0.00%	0	0.00%	0	0.00%
AMADOR	268	246	91.79%	15	5.60%	0	0.00%	7	2.61%
BUTTE	2,735	2,386	87.24%	170	6.22%	16	0.59%	163	5.96%
CALAVERAS	408	333	81.62%	41	10.05%	0	0.00%	34	8.33%
COLUSA	403	398	98.76%	3	0.74%	0	0.00%	2	0.50%
CONTRA COSTA	14,651	13,747	93.83%	602	4.11%	23	0.16%	279	1.90%
DEL NORTE	331	294	88.82%	8	2.42%	4	1.21%	25	7.55%
EL DORADO	2,195	1,982	90.30%	41	1.87%	5	0.23%	167	7.61%
FRESNO	17,965	17,095	95.16%	658	3.66%	27	0.15%	185	1.03%
GLENN	312	301	96.47%	7	2.24%	1	0.32%	3	0.96%
HUMBOLDT	1,613	1,221	75.70%	210	13.02%	7	0.43%	175	10.85%
IMPERIAL	3,110	2,905	93.41%	188	6.05%	3	0.10%	14	0.45%
INYO	243	233	95.88%	5	2.06%	0	0.00%	5	2.06%
KERN	16,098	15,051	93.50%	669	4.16%	93	0.58%	285	1.77%
KINGS	2,722	2,633	96.73%	62	2.28%	5	0.18%	22	0.81%
LAKE	845	768	90.89%	36	4.26%	0	0.00%	41	4.85%
LASSEN	358	300	83.80%	30	8.38%	0	0.00%	28	7.82%
LOS ANGELES	130,146	111,884	85.97%	15,983	12.28%	170	0.13%	2,109	1.62%
MADERA	2,246	2,088	92.97%	108	4.81%	5	0.22%	45	2.00%
MARIN	3,334	2,806	84.16%	307	9.21%	6	0.18%	215	6.45%
MARIPOSA	168	134	79.76%	10	5.95%	0	0.00%	24	14.29%
MENDOCINO	1,191	967	81.19%	146	12.26%	3	0.25%	75	6.30%
MERCED	5,199	4,948	95.17%	198	3.81%	2	0.04%	51	0.98%
MODOC	111	103	92.79%	5	4.50%	0	0.00%	3	2.70%
MONO	148	128	86.49%	4	2.70%	0	0.00%	16	10.81%
MONTEREY	6,984	6,178	88.46%	686	9.82%	8	0.11%	112	1.60%
NAPA	1,921	1,796	93.49%	61	3.18%	3	0.16%	61	3.18%
NEVADA	854	620	72.60%	46	5.39%	4	0.47%	184	21.55%

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2014-2015  
TABLE 3: TOTAL ENROLLMENT AND ADMISSION STATUS  
BY COUNTY

	TOTAL STUDENTS	ENTRANTS WITH ALL REQ. IMMUN.		CONDITIONAL ENTRANTS		ENTRANTS WITH PME		ENTRANTS WITH PBE	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	535,234	483,877	90.40%	36,731	6.86%	1,034	0.19%	13,592	2.54%
COUNTY									
ORANGE	42,076	37,891	90.05%	2,806	6.67%	120	0.29%	1,259	2.99%
PLACER	5,524	4,773	86.40%	286	5.18%	23	0.42%	442	8.00%
PLUMAS	149	126	84.56%	13	8.72%	0	0.00%	10	6.71%
RIVERSIDE	34,377	32,439	94.36%	1,025	2.98%	59	0.17%	854	2.48%
SACRAMENTO	19,527	17,065	87.39%	1,536	7.87%	39	0.20%	887	4.54%
SAN BENITO	897	868	96.77%	16	1.78%	2	0.22%	11	1.23%
SAN BERNARDINO	33,818	31,706	93.75%	1,317	3.89%	58	0.17%	737	2.18%
SAN DIEGO	43,827	40,468	92.34%	1,744	3.98%	97	0.22%	1,518	3.46%
SAN FRANCISCO	6,560	5,670	86.43%	762	11.62%	10	0.15%	118	1.80%
SAN JOAQUIN	11,742	11,221	95.56%	367	3.13%	21	0.18%	133	1.13%
SAN LUIS OBISPO	2,982	2,599	87.16%	207	6.94%	11	0.37%	165	5.53%
SAN MATEO	9,343	8,740	93.55%	412	4.41%	18	0.19%	173	1.85%
SANTA BARBARA	6,641	6,269	94.40%	168	2.53%	9	0.14%	195	2.94%
SANTA CLARA	24,541	22,893	93.28%	1,203	4.90%	60	0.24%	385	1.57%
SANTA CRUZ	3,680	3,082	83.75%	243	6.60%	11	0.30%	344	9.35%
SHASTA	2,245	1,899	84.59%	173	7.71%	4	0.18%	169	7.53%
SIERRA	28	28	100.00%	0	0.00%	0	0.00%	0	0.00%
SISKIYOU	510	422	82.75%	57	11.18%	0	0.00%	31	6.08%
SOLANO	5,273	4,982	94.48%	192	3.64%	4	0.08%	95	1.80%
SONOMA	6,552	5,900	90.05%	275	4.20%	14	0.21%	363	5.54%
STANISLAUS	8,921	8,335	93.43%	282	3.16%	14	0.16%	290	3.25%
SUTTER	1,852	1,675	90.44%	63	3.40%	6	0.32%	108	5.83%
TEHAMA	987	926	93.82%	19	1.93%	1	0.10%	41	4.15%
TRINITY	114	93	81.58%	11	9.65%	0	0.00%	10	8.77%
TULARE	9,315	8,992	96.53%	221	2.37%	13	0.14%	89	0.96%
TUOLUMNE	462	358	77.49%	69	14.94%	1	0.22%	34	7.36%
VENTURA	12,163	10,955	90.07%	825	6.78%	12	0.10%	371	3.05%
YOLO	2,504	2,318	92.57%	103	4.11%	2	0.08%	81	3.23%
YUBA	1,264	1,212	95.89%	23	1.82%	1	0.08%	28	2.22%

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2014-2015  
 TABLE 4: NUMBER AND PERCENTAGE OF CHILDREN ENROLLED  
 WITH PERSONAL BELIEFS EXEMPTION FROM VACCINATION BY COUNTY

	TOTAL STUDENTS	ENTRANTS WITH PBE									
		PBE TYPE						TOTAL PBE			
		PRE-JANUARY 2014		HEALTH CARE PRACTITIONER		RELIGIOUS		2014-15		2013-14	Percentage point difference
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	PERCENT	
STATE TOTAL	535,234	2,027	0.38%	8,801	1.64%	2,764	0.52%	13,592	2.54%	3.15%	-0.61%
COUNTY											
ALAMEDA	20,801	33	0.16%	215	1.03%	73	0.35%	321	1.54%	1.78%	-0.24%
ALPINE	0	0	0.00%	0	0.00%	0	0.00%	0	0.00%	8.33%	NA
AMADOR	268	0	0.00%	7	2.61%	0	0.00%	7	2.61%	9.46%	-6.85%
BUTTE	2,735	33	1.21%	100	3.66%	30	1.10%	163	5.96%	6.99%	-1.04%
CALAVERAS	408	8	1.96%	20	4.90%	6	1.47%	34	8.33%	10.84%	-2.51%
COLUSA	403	0	0.00%	2	0.50%	0	0.00%	2	0.50%	0.47%	0.03%
CONTRA COSTA	14,651	37	0.25%	188	1.28%	54	0.37%	279	1.90%	2.32%	-0.41%
DEL NORTE	331	6	1.81%	14	4.23%	5	1.51%	25	7.55%	8.13%	-0.58%
EL DORADO	2,195	49	2.23%	85	3.87%	33	1.50%	167	7.61%	9.16%	-1.55%
FRESNO	17,965	13	0.07%	94	0.52%	78	0.43%	185	1.03%	1.62%	-0.59%
GLENN	312	0	0.00%	3	0.96%	0	0.00%	3	0.96%	1.01%	-0.04%
HUMBOLDT	1,613	27	1.67%	117	7.25%	31	1.92%	175	10.85%	11.87%	-1.02%
IMPERIAL	3,110	3	0.10%	7	0.23%	4	0.13%	14	0.45%	0.64%	-0.19%
INYO	243	0	0.00%	5	2.06%	0	0.00%	5	2.06%	1.03%	1.03%
KERN	16,098	22	0.14%	196	1.22%	67	0.42%	285	1.77%	2.69%	-0.92%
KINGS	2,722	4	0.15%	14	0.51%	4	0.15%	22	0.81%	0.87%	-0.06%
LAKE	845	6	0.71%	20	2.37%	15	1.78%	41	4.85%	4.88%	-0.03%
LASSEN	358	7	1.96%	9	2.51%	12	3.35%	28	7.82%	5.56%	2.27%
LOS ANGELES	130,146	368	0.28%	1,238	0.95%	503	0.39%	2,109	1.62%	2.22%	-0.60%
MADERA	2,246	3	0.13%	28	1.25%	14	0.62%	45	2.00%	2.17%	-0.17%
MARIN	3,334	23	0.69%	182	5.46%	10	0.30%	215	6.45%	7.57%	-1.12%
MARIPOSA	168	8	4.76%	15	8.93%	1	0.60%	24	14.29%	13.11%	1.17%
MENDOCINO	1,191	21	1.76%	43	3.61%	11	0.92%	75	6.30%	9.33%	-3.03%
MERCED	5,199	11	0.21%	27	0.52%	13	0.25%	51	0.98%	1.07%	-0.09%
MODOC	111	0	0.00%	0	0.00%	3	2.70%	3	2.70%	5.71%	-3.01%
MONO	148	2	1.35%	14	9.46%	0	0.00%	16	10.81%	8.11%	2.70%
MONTEREY	6,984	18	0.26%	76	1.09%	18	0.26%	112	1.60%	1.66%	-0.05%
NAPA	1,921	6	0.31%	51	2.65%	4	0.21%	61	3.18%	3.74%	-0.57%
NEVADA	854	36	4.22%	131	15.34%	17	1.99%	184	21.55%	21.26%	0.28%

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2014-2015  
 TABLE 4: NUMBER AND PERCENTAGE OF CHILDREN ENROLLED  
 WITH PERSONAL BELIEFS EXEMPTION FROM VACCINATION BY COUNTY

	TOTAL STUDENTS	ENTRANTS WITH PBE									
		PBE TYPE						TOTAL PBE			
		PRE-JANUARY 2014		HEALTH CARE PRACTITIONER		RELIGIOUS		2014-15		2013-14	Percentage point difference
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	PERCENT	
STATE TOTAL	535,234	2,027	0.38%	8,801	1.64%	2,764	0.52%	13,592	2.54%	3.15%	-0.61%
COUNTY											
ORANGE	42,076	242	0.58%	803	1.91%	214	0.51%	1,259	2.99%	3.65%	-0.66%
PLACER	5,524	35	0.63%	357	6.46%	50	0.91%	442	8.00%	7.68%	0.32%
PLUMAS	149	1	0.67%	6	4.03%	3	2.01%	10	6.71%	10.19%	-3.48%
RIVERSIDE	34,377	149	0.43%	520	1.51%	185	0.54%	854	2.48%	2.88%	-0.40%
SACRAMENTO	19,527	82	0.42%	568	2.91%	237	1.21%	887	4.54%	5.39%	-0.85%
SAN BENITO	897	0	0.00%	10	1.11%	1	0.11%	11	1.23%	0.87%	0.35%
SAN BERNARDINO	33,818	94	0.28%	468	1.38%	175	0.52%	737	2.18%	2.86%	-0.68%
SAN DIEGO	43,827	160	0.37%	1,056	2.41%	302	0.69%	1,518	3.46%	4.49%	-1.03%
SAN FRANCISCO	6,560	33	0.50%	69	1.05%	16	0.24%	118	1.80%	1.64%	0.16%
SAN JOAQUIN	11,742	7	0.06%	75	0.64%	51	0.43%	133	1.13%	1.51%	-0.37%
SAN LUIS OBISPO	2,982	24	0.80%	127	4.26%	14	0.47%	165	5.53%	8.26%	-2.72%
SAN MATEO	9,343	9	0.10%	150	1.61%	14	0.15%	173	1.85%	2.26%	-0.40%
SANTA BARBARA	6,641	12	0.18%	135	2.03%	48	0.72%	195	2.94%	4.72%	-1.78%
SANTA CLARA	24,541	64	0.26%	258	1.05%	63	0.26%	385	1.57%	1.72%	-0.16%
SANTA CRUZ	3,680	86	2.34%	210	5.71%	48	1.30%	344	9.35%	9.54%	-0.19%
SHASTA	2,245	27	1.20%	72	3.21%	70	3.12%	169	7.53%	8.56%	-1.04%
SIERRA	28	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0.00%	0.00%
SISKIYOU	510	3	0.59%	11	2.16%	17	3.33%	31	6.08%	15.22%	-9.14%
SOLANO	5,273	9	0.17%	72	1.37%	14	0.27%	95	1.80%	1.55%	0.25%
SONOMA	6,552	85	1.30%	248	3.79%	30	0.46%	363	5.54%	6.04%	-0.50%
STANISLAUS	8,921	41	0.46%	211	2.37%	38	0.43%	290	3.25%	4.08%	-0.83%
SUTTER	1,852	21	1.13%	56	3.02%	31	1.67%	108	5.83%	7.30%	-1.47%
TEHAMA	987	3	0.30%	36	3.65%	2	0.20%	41	4.15%	4.24%	-0.08%
TRINITY	114	4	3.51%	3	2.63%	3	2.63%	10	8.77%	18.80%	-10.03%
TULARE	9,315	15	0.16%	65	0.70%	9	0.10%	89	0.96%	1.55%	-0.60%
TUOLUMNE	462	1	0.22%	15	3.25%	18	3.90%	34	7.36%	15.41%	-8.05%
VENTURA	12,163	61	0.50%	222	1.83%	88	0.72%	371	3.05%	3.46%	-0.41%
YOLO	2,504	14	0.56%	54	2.16%	13	0.52%	81	3.23%	3.67%	-0.43%
YUBA	1,264	1	0.08%	23	1.82%	4	0.32%	28	2.22%	2.56%	-0.35%

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2014-2015

TABLE 5: PERMANENT MEDICAL EXEMPTION (PME) AND PERSONAL BELIEFS EXEMPTION (PBE) STATUS  
BY COUNTY

	TOTAL STUDENTS	EXEMPTION TYPE				TOTAL EXEMPTIONS			
		ENTRANTS WITH PME		ENTRANTS WITH PBE		2014-15		2013-14	Percentage point difference
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	PERCENT		
STATE TOTAL	535,234	1,034	0.19%	13,592	2.54%	14,626	2.73%	3.34%	-0.61%
COUNTY									
ALAMEDA	20,801	39	0.19%	321	1.54%	360	1.73%	2.01%	-0.28%
ALPINE	0	0	0.00%	0	0.00%	0	0.00%	8.33%	NA
AMADOR	268	0	0.00%	7	2.61%	7	2.61%	9.46%	-6.85%
BUTTE	2,735	16	0.59%	163	5.96%	179	6.54%	7.11%	-0.56%
CALAVERAS	408	0	0.00%	34	8.33%	34	8.33%	10.84%	-2.51%
COLUSA	403	0	0.00%	2	0.50%	2	0.50%	0.47%	0.03%
CONTRA COSTA	14,651	23	0.16%	279	1.90%	302	2.06%	2.42%	-0.36%
DEL NORTE	331	4	1.21%	25	7.55%	29	8.76%	8.13%	0.63%
EL DORADO	2,195	5	0.23%	167	7.61%	172	7.84%	9.61%	-1.78%
FRESNO	17,965	27	0.15%	185	1.03%	212	1.18%	1.69%	-0.51%
GLENN	312	1	0.32%	3	0.96%	4	1.28%	1.21%	0.07%
HUMBOLDT	1,613	7	0.43%	175	10.85%	182	11.28%	11.93%	-0.64%
IMPERIAL	3,110	3	0.10%	14	0.45%	17	0.55%	0.71%	-0.16%
INYO	243	0	0.00%	5	2.06%	5	2.06%	2.05%	0.01%
KERN	16,098	93	0.58%	285	1.77%	378	2.35%	3.22%	-0.88%
KINGS	2,722	5	0.18%	22	0.81%	27	0.99%	0.91%	0.09%
LAKE	845	0	0.00%	41	4.85%	41	4.85%	5.01%	-0.15%
LASSEN	358	0	0.00%	28	7.82%	28	7.82%	5.56%	2.27%
LOS ANGELES	130,146	170	0.13%	2,109	1.62%	2,279	1.75%	2.38%	-0.63%
MADERA	2,246	5	0.22%	45	2.00%	50	2.23%	2.21%	0.02%
MARIN	3,334	6	0.18%	215	6.45%	221	6.63%	7.65%	-1.02%
MARIPOSA	168	0	0.00%	24	14.29%	24	14.29%	13.11%	1.17%
MENDOCINO	1,191	3	0.25%	75	6.30%	78	6.55%	9.50%	-2.95%
MERCED	5,199	2	0.04%	51	0.98%	53	1.02%	1.17%	-0.15%
MODOC	111	0	0.00%	3	2.70%	3	2.70%	6.43%	-3.73%
MONO	148	0	0.00%	16	10.81%	16	10.81%	8.11%	2.70%
MONTEREY	6,984	8	0.11%	112	1.60%	120	1.72%	1.74%	-0.02%
NAPA	1,921	3	0.16%	61	3.18%	64	3.33%	3.74%	-0.41%
NEVADA	854	4	0.47%	184	21.55%	188	22.01%	21.26%	0.75%

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2014-2015

TABLE 5: PERMANENT MEDICAL EXEMPTION (PME) AND PERSONAL BELIEFS EXEMPTION (PBE) STATUS  
BY COUNTY

	TOTAL STUDENTS	EXEMPTION TYPE				TOTAL EXEMPTIONS			
		ENTRANTS WITH PME		ENTRANTS WITH PBE		2014-15		2013-14	Percentage point difference
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	PERCENT	
STATE TOTAL	535,234	1,034	0.19%	13,592	2.54%	14,626	2.73%	3.34%	-0.61%
COUNTY									
ORANGE	42,076	120	0.29%	1,259	2.99%	1,379	3.28%	3.90%	-0.62%
PLACER	5,524	23	0.42%	442	8.00%	465	8.42%	7.89%	0.52%
PLUMAS	149	0	0.00%	10	6.71%	10	6.71%	10.19%	-3.48%
RIVERSIDE	34,377	59	0.17%	854	2.48%	913	2.66%	3.03%	-0.37%
SACRAMENTO	19,527	39	0.20%	887	4.54%	926	4.74%	5.54%	-0.80%
SAN BENITO	897	2	0.22%	11	1.23%	13	1.45%	0.98%	0.47%
SAN BERNARDINO	33,818	58	0.17%	737	2.18%	795	2.35%	3.01%	-0.66%
SAN DIEGO	43,827	97	0.22%	1,518	3.46%	1,615	3.68%	4.73%	-1.05%
SAN FRANCISCO	6,560	10	0.15%	118	1.80%	128	1.95%	1.81%	0.14%
SAN JOAQUIN	11,742	21	0.18%	133	1.13%	154	1.31%	1.63%	-0.32%
SAN LUIS OBISPO	2,982	11	0.37%	165	5.53%	176	5.90%	8.43%	-2.53%
SAN MATEO	9,343	18	0.19%	173	1.85%	191	2.04%	2.42%	-0.37%
SANTA BARBARA	6,641	9	0.14%	195	2.94%	204	3.07%	4.84%	-1.77%
SANTA CLARA	24,541	60	0.24%	385	1.57%	445	1.81%	1.96%	-0.15%
SANTA CRUZ	3,680	11	0.30%	344	9.35%	355	9.65%	9.84%	-0.20%
SHASTA	2,245	4	0.18%	169	7.53%	173	7.71%	8.95%	-1.24%
SIERRA	28	0	0.00%	0	0.00%	0	0.00%	0.00%	0.00%
SISKIYOU	510	0	0.00%	31	6.08%	31	6.08%	15.43%	-9.35%
SOLANO	5,273	4	0.08%	95	1.80%	99	1.88%	1.64%	0.24%
SONOMA	6,552	14	0.21%	363	5.54%	377	5.75%	6.22%	-0.47%
STANISLAUS	8,921	14	0.16%	290	3.25%	304	3.41%	4.36%	-0.95%
SUTTER	1,852	6	0.32%	108	5.83%	114	6.16%	7.36%	-1.21%
TEHAMA	987	1	0.10%	41	4.15%	42	4.26%	4.33%	-0.08%
TRINITY	114	0	0.00%	10	8.77%	10	8.77%	18.80%	-10.03%
TULARE	9,315	13	0.14%	89	0.96%	102	1.10%	1.67%	-0.57%
TUOLUMNE	462	1	0.22%	34	7.36%	35	7.58%	15.60%	-8.03%
VENTURA	12,163	12	0.10%	371	3.05%	383	3.15%	3.68%	-0.53%
YOLO	2,504	2	0.08%	81	3.23%	83	3.31%	3.78%	-0.47%
YUBA	1,264	1	0.08%	28	2.22%	29	2.29%	2.56%	-0.27%

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2014-2015

TABLE 6: STUDENTS ADEQUATELY IMMUNIZED

BY COUNTY

	TOTAL STUDENTS	DTP 4+		POLIO 3+		MMR 2		HEP B 3+		VAR 1+	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	535,234	494,450	92.38%	497,773	93.00%	495,369	92.55%	507,823	94.88%	510,873	95.45%
COUNTY											
ALAMEDA	20,801	19,003	91.36%	19,140	92.01%	19,013	91.40%	19,449	93.50%	19,673	94.58%
ALPINE	0	0	0.00%	0	0.00%	0	0.00%	0	0.00%	0	0.00%
AMADOR	268	254	94.78%	256	95.52%	253	94.40%	253	94.40%	260	97.01%
BUTTE	2,735	2,433	88.96%	2,469	90.27%	2,437	89.10%	2,496	91.26%	2,503	91.52%
CALAVERAS	408	347	85.05%	347	85.05%	339	83.09%	356	87.25%	362	88.73%
COLUSA	403	400	99.26%	400	99.26%	399	99.01%	401	99.50%	401	99.50%
CONTRA COSTA	14,651	13,956	95.26%	14,038	95.82%	13,994	95.52%	14,183	96.81%	14,252	97.28%
DEL NORTE	331	295	89.12%	298	90.03%	298	90.03%	300	90.63%	302	91.24%
EL DORADO	2,195	1,995	90.89%	2,002	91.21%	1,995	90.89%	2,014	91.75%	2,017	91.89%
FRESNO	17,965	17,247	96.00%	17,324	96.43%	17,316	96.39%	17,550	97.69%	17,610	98.02%
GLENN	312	303	97.12%	306	98.08%	302	96.79%	306	98.08%	308	98.72%
HUMBOLDT	1,613	1,301	80.66%	1,290	79.98%	1,278	79.23%	1,348	83.57%	1,341	83.14%
IMPERIAL	3,110	2,969	95.47%	3,002	96.53%	2,960	95.18%	3,051	98.10%	3,049	98.04%
INYO	243	234	96.30%	234	96.30%	235	96.71%	236	97.12%	238	97.94%
KERN	16,098	15,281	94.92%	15,356	95.39%	15,257	94.78%	15,528	96.46%	15,585	96.81%
KINGS	2,722	2,644	97.13%	2,672	98.16%	2,670	98.09%	2,678	98.38%	2,693	98.93%
LAKE	845	777	91.95%	785	92.90%	779	92.19%	789	93.37%	794	93.96%
LASSEN	358	306	85.47%	306	85.47%	308	86.03%	318	88.83%	319	89.11%
LOS ANGELES	130,146	116,322	89.38%	117,447	90.24%	116,843	89.78%	121,941	93.70%	122,771	94.33%
MADERA	2,246	2,112	94.03%	2,132	94.92%	2,125	94.61%	2,155	95.95%	2,174	96.79%
MARIN	3,334	2,922	87.64%	2,964	88.90%	2,935	88.03%	2,999	89.95%	3,059	91.75%
MARIPOSA	168	138	82.14%	139	82.74%	137	81.55%	141	83.93%	142	84.52%
MENDOCINO	1,191	993	83.38%	1,006	84.47%	993	83.38%	1,019	85.56%	1,082	90.85%
MERCED	5,199	5,023	96.61%	5,062	97.36%	5,023	96.61%	5,091	97.92%	5,118	98.44%
MODOC	111	105	94.59%	106	95.50%	106	95.50%	105	94.59%	106	95.50%
MONO	148	128	86.49%	128	86.49%	128	86.49%	128	86.49%	128	86.49%
MONTEREY	6,984	6,329	90.62%	6,347	90.88%	6,380	91.35%	6,663	95.40%	6,732	96.39%
NAPA	1,921	1,819	94.69%	1,828	95.16%	1,820	94.74%	1,840	95.78%	1,844	95.99%
NEVADA	854	634	74.24%	632	74.00%	628	73.54%	644	75.41%	654	76.58%
ORANGE	42,076	38,761	92.12%	39,059	92.83%	38,771	92.15%	40,001	95.07%	40,307	95.80%
PLACER	5,524	4,865	88.07%	4,903	88.76%	4,865	88.07%	4,950	89.61%	5,007	90.64%



KINDERGARTEN ASSESSMENT - CALIFORNIA, 2014-2015

TABLE 6: STUDENTS ADEQUATELY IMMUNIZED  
BY COUNTY

	TOTAL STUDENTS	DTP 4+		POLIO 3+		MMR 2		HEP B 3+		VAR 1+	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	535,234	494,450	92.38%	497,773	93.00%	495,369	92.55%	507,823	94.88%	510,873	95.45%
COUNTY											
PLUMAS	149	126	84.56%	128	85.91%	128	85.91%	135	90.60%	135	90.60%
RIVERSIDE	34,377	32,792	95.39%	32,921	95.76%	32,850	95.56%	33,181	96.52%	33,338	96.98%
SACRAMENTO	19,527	17,379	89.00%	17,676	90.52%	17,431	89.27%	18,233	93.37%	18,329	93.86%
SAN BENITO	897	872	97.21%	875	97.55%	874	97.44%	879	97.99%	883	98.44%
SAN BERNARDINO	33,818	32,124	94.99%	32,289	95.48%	32,149	95.06%	32,542	96.23%	32,747	96.83%
SAN DIEGO	43,827	41,017	93.59%	41,153	93.90%	41,008	93.57%	41,639	95.01%	41,890	95.58%
SAN FRANCISCO	6,560	5,809	88.55%	5,821	88.73%	5,880	89.63%	5,997	91.42%	5,964	90.91%
SAN JOAQUIN	11,742	11,311	96.33%	11,356	96.71%	11,330	96.49%	11,490	97.85%	11,505	97.98%
SAN LUIS OBISPO	2,982	2,656	89.07%	2,661	89.24%	2,655	89.03%	2,743	91.99%	2,766	92.76%
SAN MATEO	9,343	8,862	94.85%	8,930	95.58%	8,860	94.83%	9,006	96.39%	9,064	97.01%
SANTA BARBARA	6,641	6,334	95.38%	6,371	95.93%	6,327	95.27%	6,366	95.86%	6,394	96.28%
SANTA CLARA	24,541	23,354	95.16%	23,472	95.64%	23,395	95.33%	23,740	96.74%	23,863	97.24%
SANTA CRUZ	3,680	3,168	86.09%	3,186	86.58%	3,169	86.11%	3,227	87.69%	3,258	88.53%
SHASTA	2,245	1,934	86.15%	1,950	86.86%	1,944	86.59%	2,024	90.16%	2,036	90.69%
SIERRA	28	28	100.00%	28	100.00%	28	100.00%	28	100.00%	28	100.00%
SISKIYOU	510	433	84.90%	436	85.49%	436	85.49%	459	90.00%	461	90.39%
SOLANO	5,273	5,039	95.56%	5,059	95.94%	5,031	95.41%	5,116	97.02%	5,134	97.36%
SONOMA	6,552	6,009	91.71%	6,023	91.93%	5,994	91.48%	6,083	92.84%	6,120	93.41%
STANISLAUS	8,921	8,411	94.28%	8,449	94.71%	8,416	94.34%	8,552	95.86%	8,577	96.14%
SUTTER	1,852	1,693	91.41%	1,708	92.22%	1,695	91.52%	1,721	92.93%	1,730	93.41%
TEHAMA	987	936	94.83%	938	95.04%	938	95.04%	937	94.93%	945	95.74%
TRINITY	114	97	85.09%	99	86.84%	97	85.09%	103	90.35%	103	90.35%
TULARE	9,315	9,056	97.22%	9,082	97.50%	9,070	97.37%	9,148	98.21%	9,173	98.48%
TUOLUMNE	462	376	81.39%	379	82.03%	366	79.22%	404	87.45%	410	88.74%
VENTURA	12,163	11,164	91.79%	11,230	92.33%	11,143	91.61%	11,526	94.76%	11,561	95.05%
YOLO	2,504	2,355	94.05%	2,353	93.97%	2,352	93.93%	2,386	95.29%	2,398	95.77%
YUBA	1,264	1,219	96.44%	1,222	96.68%	1,216	96.20%	1,225	96.91%	1,230	97.31%