

2015- 2016 CHILD CARE IMMUNIZATION ASSESSMENT

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, IMMUNIZATION BRANCH

Introduction

Each autumn all licensed child care facilities and preschools in California (henceforth called 'child care facilities' for simplicity) are required to report compliance with California School Immunization Laws ([California Health and Safety Code, Sections 120325-120375](#)). This report summarizes data for the 2015-2016 school year reported by public, private and Head Start child care facilities statewide (Table 1, Figures 1-5) and by county (Tables 2-7).

Methods

Child care facilities reported data to the California Department of Public Health (CDPH) in the autumn of 2015, prior to the 2016 effective date for [Senate Bill \(SB\) 277](#) but during the second year of implementation of [Assembly Bill \(AB\) 2109](#).

Based on their vaccine dose summary and immunization status, children ages 2 years through 4 years, 11 months admitted to each facility were classified into the following categories:

- Fully vaccinated with all required immunizations
- Conditional entrants, because either
 - Not fully vaccinated but not currently overdue, or
 - Having a temporary medical exemption (TME) to vaccination
- Having a permanent medical exemption (PME) to vaccination
- Having a personal beliefs exemption (PBE) enrolled:
 - Prior to 2014, or
 - Under AB 2109 in 2014 or 2015, with additional documentation from the parent or guardian of either:
 - Receiving information about immunizations and the diseases they prevent from an authorized health care practitioner or
 - Declaring a religious objection to seeking medical advice or treatment from authorized health care practitioners

Results

9,335 (89.4%) of 10,440 licensed child care facilities in California submitted immunization assessment reports by November 5, 2015 when reporting closed (Table 2), in comparison to 8,170 (88.1%) of 9,271 in 2014. Private facilities accounted for 56.5% (5273/9335) of all facilities that reported; public facilities for 29.3% (2732/9335), and 14.2% (1330/9335) were Head Start facilities. Figures 1-5 show trends in the following reporting categories:

All Required Immunizations: Of 484,979 children whose facilities reported their immunization status, 439,119 (90.5%) had received all required immunizations,¹ an increase from 2014-2015 of 1.1 percentage points overall, 1.5 percentage points in public, 1.2 percentage points in private, and 0.6 percentage point in Head Start facilities (Table 1). Percentage point increases in completion rates for individual vaccines ranged from +0.4 for Hib to +0.9 for MMR (Table 1).

¹ [California Code of Regulations Title 17 Division 1, Chapter 4, Subchapter 8](#).

4 or more doses of Diphtheria, Tetanus, Pertussis (4+ DTP), 3+ Polio, 1+ MMR (Measles, Mumps, Rubella), 1+ Hib, 3+ Hep B (Hepatitis B), and 1+ Var (Varicella) or physician-documented varicella disease.

The percentage of fully vaccinated children increased in 31 (53.4%) of 58 counties (Table 4); Plumas County and Humboldt County reported the largest increases in fully vaccinated children (+11.9 and +10.5 percentage points, respectively).

As in past years, a higher proportion of children in Head Start and public facilities compared to private facilities had all required immunizations (96.3% and 91.9% vs. 88.5% respectively). Rates for individual vaccines were also higher in Head Start and public child care facilities than in private facilities (Table 1).

Conditional entrants: Compared to the 2014-2015 school year, the proportion of children reported as conditional entrants in California child care facilities declined from 7.4% to 6.7% (-0.7 percentage points). Reductions were observed in public (-0.9 percentage points), private (-0.8 percentage points) and Head Start (-0.5 percentage points) facilities. Thirty (51.7%) of 58 counties reported a reduction in conditional entrants; the largest reduction occurred in Tehama County (-7.3 percentage points) (Table 5). Conditional rates by county ranged from 0% to 18% (Table 5).

PBEs: In 2015-2016, 2.31% of children in child care facilities had PBEs, compared to 2.67% (-0.36 percentage points) in 2014-2015. PBE rates were lower in public (-.35 percentage points), private (-.45 percentage points), and Head Start (-.05 percentage points) facilities. Thirty-one (45.6%) of 68 counties had lower PBE rates in 2015-16 than 2014-15. The largest decreases were reported in Imperial (-14.8 percentage points), Riverside (-12.5 percentage points), Monterey (-10.5 percentage points), and Los Angeles (-6.7 percentage points) Counties (Table 6). PBE rates by county ranged from 0% - 11.7% (Table 3).

PMEs: The percentage of children with PMEs was 0.5%, compared to 0.6% in 2014-15 (Table 1).

Discussion

The proportion of children in child care facilities having all required immunizations increased by 1.1 percentage points to 90.5% in the 2015-2016 school year, while the rate of conditional entrants was lower by 0.7 percentage points, and the rate of PBEs lower by 0.4 percentage points.

With the additional measures required under AB 2109 for requesting PBEs during 2014 and 2015, the proportion of children with PBEs in child care facilities decreased from 2.9% in 2013-2014 to 2.3% in 2015-2016. Under SB 277, chaptered in 2015 and effective in 2016, PBEs will no longer be available for children entering licensed child care in California (See ShotsForSchool.org for additional information).

In addition to changes in the immunization laws, additional factors may have contributed to increased vaccination rates in 2015-16. The measles outbreak that occurred in California in early 2015² may have raised awareness of the risks of vaccine-preventable diseases and the benefits of immunization.

² Zippich J, Winter K, Hacker J, Xia DX, Watt J, Harriman K. [Measles Outbreak—California, December 2014-February 2015](http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6406a1.htm). MMWR 64(06):153-154, 2015. MMWR. Feb 20, 2015

Despite overall improvements in vaccination rates, many facilities remain at risk of contagion and would benefit from further efforts to raise coverage and protect children.

Limitations

This report is subject to limitations that include:

- 1,105 licensed child care facilities (11%, types unknown) did not report data. The list of non-reporting schools will be forwarded to the Department of Social Services for possible follow-up.
- Any immunizations received by children with PBEs or PME are not currently reported, so overall and individual vaccine completion rates may be underestimated.
- The timing of immunization is often not included in the assessment criteria; if doses were given at clinically inappropriate ages or intervals, the rates may overestimate levels of immunity.

For media inquiries, please contact the CDPH Office of Public Affairs at cdphpress@cdph.ca.gov or by phone 916-440-7259.

Table 1. Immunization Status, Vaccine-specific Coverage Rates, and 1-Year Percentage Point Change in CA Preschools, 2014-16 School Year*

	2015-16				2014-15				1 YR CHANGE			
	All	Public	Private	Head Start	All	Public	Private	Head Start	All	Public	Private	Head Start
Number of Facilities Reporting	9,335	2,732	5,273	1,330	9,271	2,585	5,348	1,338				
Number of Children	484,979	131,751	282,986	70,242	486,634	129,636	283,310	73,688				
All Required Immunizations	90.5%	91.9%	88.5%	96.3%	89.4%	90.4%	87.3%	95.7%	+1.1%	+1.5%	+1.2%	+0.6%
Conditional Entrants	6.7%	6.5%	7.6%	3.1%	7.4%	7.4%	8.4%	3.6%	-0.7%	-0.9%	-0.8%	-0.5%
Permanent Medical Exemptions	0.48%	0.30%	0.65%	0.12%	0.56%	0.56%	0.67%	0.62%	-0.08%	-0.26%	-0.02%	-0.49%
Personal Belief Exemptions	2.31%	1.27%	3.23%	0.55%	2.67%	1.62%	3.68%	0.60%	-0.36%	-0.35%	-0.45%	-0.05%
Pre-January 2014	0.54%	0.27%	0.79%	0.07%	1.21%	0.66%	1.74%	0.38%				
Health Practitioner- Counseled	1.47%	0.77%	2.06%	0.37%	1.11%	0.71%	1.47%	0.09%				
Religious	0.30%	0.23%	0.38%	0.11%	0.35%	0.25%	0.47%	0.13%				
4+ DTP	94.7%	95.3%	93.8%	97.5%	94.1%	94.3%	93.3%	97.2%	+0.6%	+1.0%	+0.5%	+0.3%
3+ Polio	96.4%	97.2%	95.5%	98.7%	95.9%	96.4%	95.1%	98.2%	+0.5%	+0.8%	+0.4%	+0.5%
1+ MMR	97.0%	97.5%	96.4%	99.0%	96.1%	96.5%	95.4%	98.4%	+0.9%	+1.0%	+1.0%	+0.6%
1+ Hib	97.5%	97.4%	97.2%	98.8%	97.1%	96.7%	96.9%	98.3%	+0.4%	+0.7%	+0.3%	+0.5%
3+ Hep B	94.9%	96.3%	93.4%	98.5%	94.3%	95.3%	92.9%	98.0%	+0.6%	+1.0%	+0.5%	+0.5%
1+ Vari (or phys.-doc. disease)	96.3%	97.2%	95.3%	99.0%	95.6%	96.3%	94.6%	98.4%	+0.7%	+0.9%	+0.7%	+0.6%

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

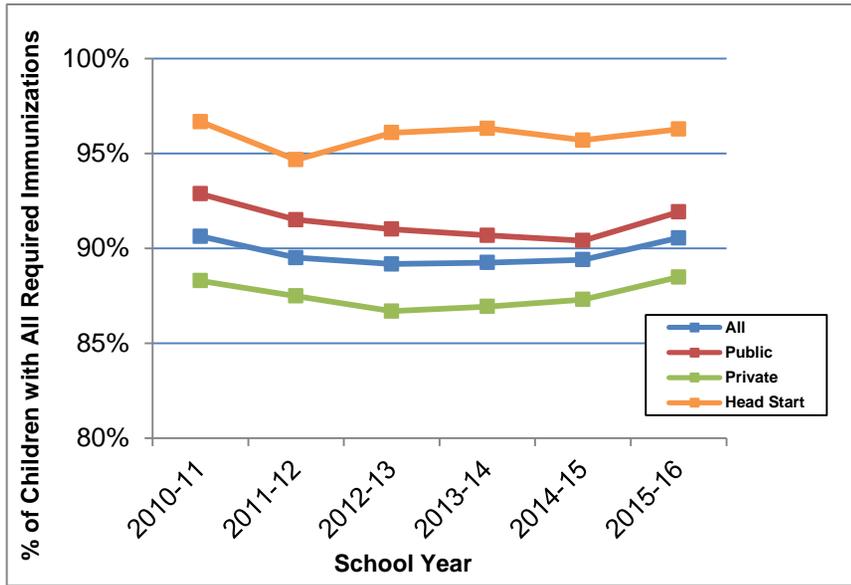


Figure 1. Percentage of Children in Child Care with All Required Immunizations, by Facility Type and School Year, 2010-11 to 2015-16

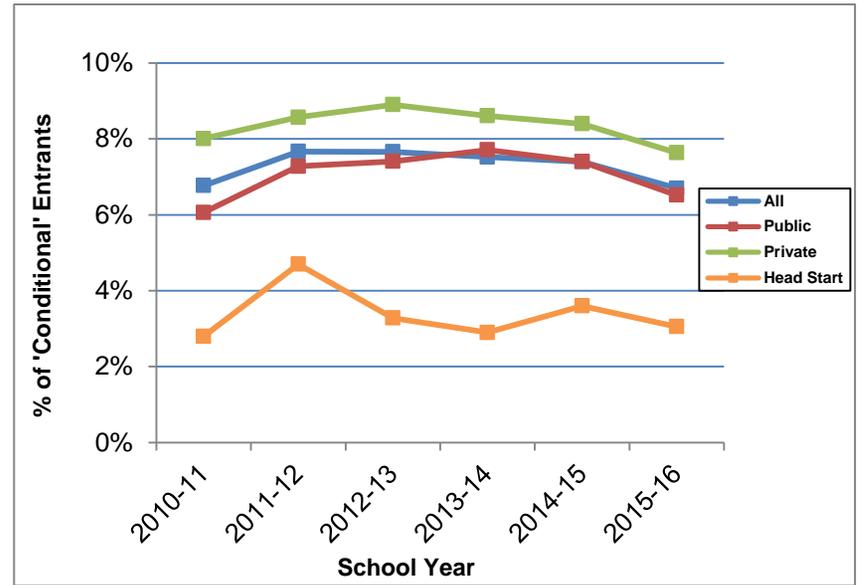


Figure 2. Percentage of Children Admitted Conditionally to Child Care, by Facility Type and School Year, 2010-11 to 2015-16

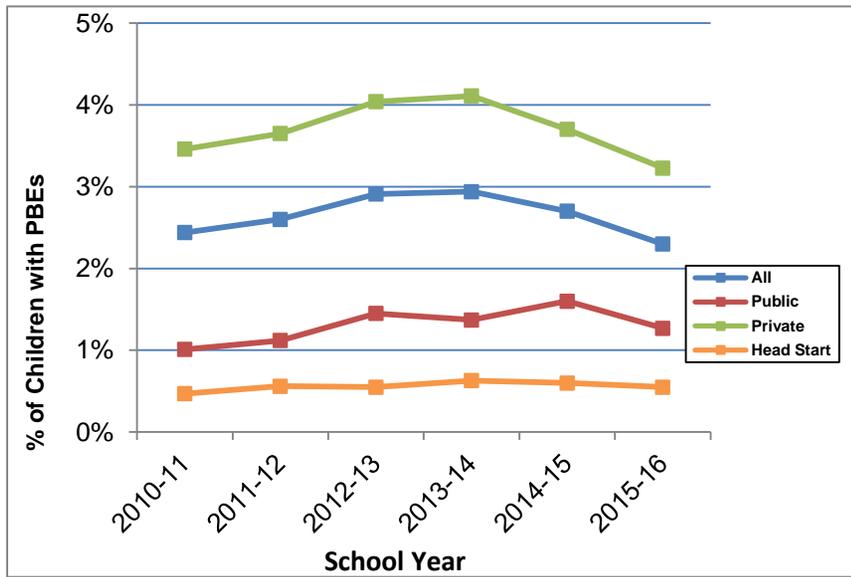


Figure 3. Percentage of Child Care Children with PBEs, by Facility Type and School Year, 2010-11 to 2015-16

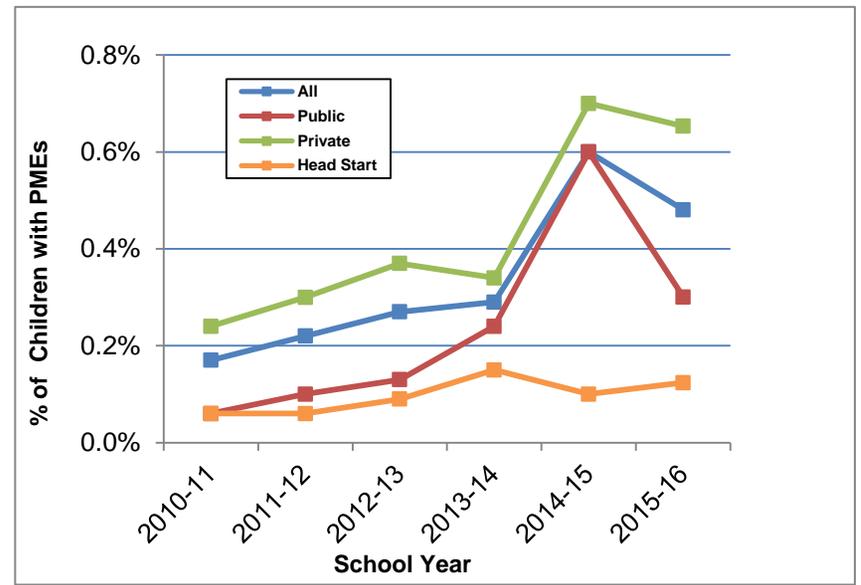


Figure 4. Percentage of Child Care Children with PME's, by Facility Type and Year, 2010-11 to 2015-16

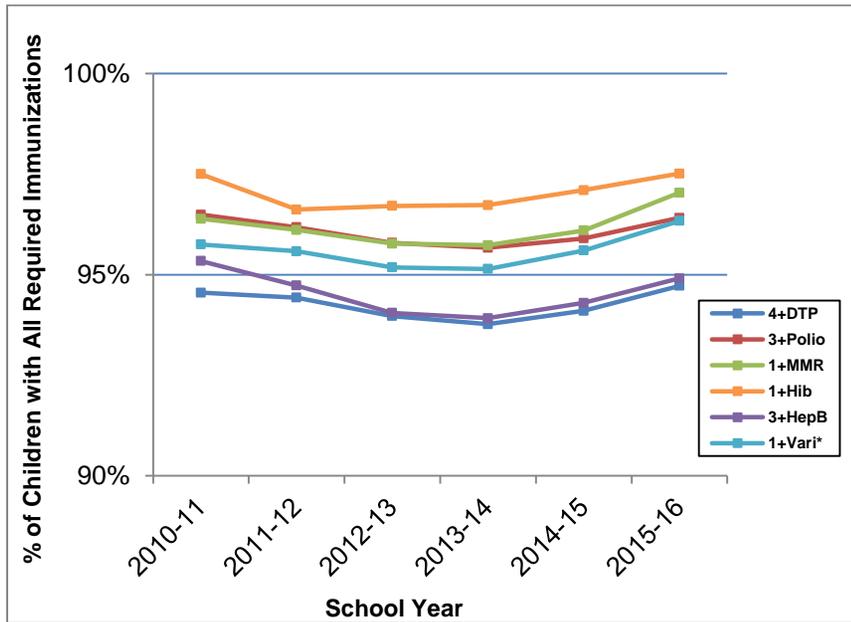


Figure 5. Percentage of Child Care Children with All Required Immunizations by Vaccine Type and School Year, 2010-11 to 2015-16

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2015-16
 TABLE 2: NUMBER AND PERCENTAGE OF CHILD CARE CENTERS REPORTING BY FACILITY TYPE,
 BY COUNTY

	ALL			PUBLIC			PRIVATE			HEAD START		
	NUMBER OF FACILITIES ¹	NUMBER REPORTING	PERCENT REPORTING	NUMBER OF FACILITIES	FACILITIES REPORTING	PERCENT REPORTING	NUMBER OF FACILITIES	FACILITIES REPORTING	PERCENT REPORTING	TOTAL OF FACILITIES	FACILITIES REPORTING	PERCENT REPORTING
STATE TOTAL	10,440	9,335	89.4%	2,833	2,732	96.4%	5,818	5,273	90.6%	1,368	1,330	97.2%
COUNTY												
ALAMEDA*	498	412	82.7%	87	86	98.9%	300	297	99.0%	32	29	90.6%
ALPINE	1	1	100.0%	1	1	100.0%	0	0	0.0%	0	0	0.0%
AMADOR	14	14	100.0%	5	5	100.0%	5	5	100.0%	4	4	100.0%
BERKELEY CITY	62	57	91.9%	16	14	87.5%	41	40	97.6%	3	3	100.0%
BUTTE	85	85	100.0%	25	25	100.0%	42	42	100.0%	18	18	100.0%
CALAVERAS	20	15	75.0%	5	5	100.0%	1	1	100.0%	9	9	100.0%
COLUSA	10	9	90.0%	1	1	100.0%	0	0	0.0%	8	8	100.0%
CONTRA COSTA	326	316	96.9%	57	56	98.2%	233	232	99.6%	28	28	100.0%
DEL NORTE	9	9	100.0%	4	4	100.0%	2	2	100.0%	3	3	100.0%
EL DORADO	60	60	100.0%	24	24	100.0%	36	36	100.0%	0	0	0.0%
FRESNO	288	288	100.0%	143	143	100.0%	102	102	100.0%	43	43	100.0%
GLENN	12	12	100.0%	1	1	100.0%	4	4	100.0%	7	7	100.0%
HUMBOLDT	55	55	100.0%	16	16	100.0%	25	25	100.0%	14	14	100.0%
IMPERIAL	51	47	92.2%	21	21	100.0%	25	21	84.0%	5	5	100.0%
INYO	14	12	85.7%	7	7	100.0%	3	2	66.7%	3	3	100.0%
KERN	186	184	98.9%	72	71	98.6%	66	66	100.0%	47	47	100.0%
KINGS	43	43	100.0%	17	17	100.0%	16	16	100.0%	10	10	100.0%
LAKE	21	17	81.0%	11	8	72.7%	4	3	75.0%	6	6	100.0%
LASSEN	12	8	66.7%	10	7	70.0%	0	0	0.0%	1	1	100.0%
LOS ANGELES	2,652	1,957	73.8%	471	434	92.1%	1,489	1,095	73.5%	454	428	94.3%
MADERA	51	44	86.3%	19	17	89.5%	15	11	73.3%	17	16	94.1%
MARIN	125	122	97.6%	18	17	94.4%	95	93	97.9%	12	12	100.0%
MARIPOSA	6	5	83.3%	5	4	80.0%	0	0	0.0%	1	1	100.0%
MENDOCINO	37	31	83.8%	27	23	85.2%	5	4	80.0%	4	4	100.0%
MERCED	90	69	76.7%	61	51	83.6%	7	7	100.0%	11	11	100.0%
MODOC	8	8	100.0%	8	8	100.0%	0	0	0.0%	0	0	0.0%
MONO	5	5	100.0%	1	1	100.0%	2	2	100.0%	2	2	100.0%
MONTEREY	130	122	93.8%	105	99	94.3%	19	19	100.0%	4	4	100.0%
NAPA	50	50	100.0%	35	35	100.0%	15	15	100.0%	0	0	0.0%
NEVADA	33	32	97.0%	21	20	95.2%	7	7	100.0%	5	5	100.0%

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	ALL			PUBLIC			PRIVATE			HEAD START		
	NUMBER OF FACILITIES ¹	NUMBER REPORTING	PERCENT REPORTING	NUMBER OF FACILITIES	FACILITIES REPORTING	PERCENT REPORTING	NUMBER OF FACILITIES	FACILITIES REPORTING	PERCENT REPORTING	TOTAL OF FACILITIES	FACILITIES REPORTING	PERCENT REPORTING
STATE TOTAL	10,440	9,335	89.4%	2,833	2,732	96.4%	5,818	5,273	90.6%	1,368	1,330	97.2%
COUNTY												
ORANGE	740	740	100.0%	208	208	100.0%	495	495	100.0%	37	37	100.0%
PLACER	103	99	96.1%	46	45	97.8%	45	42	93.3%	12	12	100.0%
PLUMAS	9	6	66.7%	8	5	62.5%	0	0	0.0%	1	1	100.0%
RIVERSIDE	356	353	99.2%	118	118	100.0%	182	180	98.9%	55	55	100.0%
SACRAMENTO	446	325	72.9%	78	69	88.5%	223	162	72.6%	96	94	97.9%
SAN BENITO	21	20	95.2%	11	11	100.0%	9	8	88.9%	1	1	100.0%
SAN BERNARDINO	398	397	99.7%	189	189	100.0%	170	169	99.4%	39	39	100.0%
SAN DIEGO	829	827	99.8%	253	252	99.6%	485	484	99.8%	91	91	100.0%
SAN FRANCISCO	288	279	96.9%	53	51	96.2%	204	199	97.5%	29	29	100.0%
SAN JOAQUIN	162	162	100.0%	65	65	100.0%	97	97	100.0%	0	0	0.0%
SAN LUIS OBISPO	93	86	92.5%	29	28	96.6%	51	45	88.2%	13	13	100.0%
SAN MATEO	276	274	99.3%	48	48	100.0%	215	213	99.1%	13	13	100.0%
SANTA BARBARA	142	142	100.0%	29	29	100.0%	87	87	100.0%	26	26	100.0%
SANTA CLARA	563	561	99.6%	87	87	100.0%	453	451	99.6%	23	23	100.0%
SANTA CRUZ	109	97	89.0%	28	28	100.0%	61	55	90.2%	14	14	100.0%
SHASTA	69	67	97.1%	30	29	96.7%	26	25	96.2%	13	13	100.0%
SIERRA	1	1	100.0%	0	0	0.0%	1	1	100.0%	0	0	0.0%
SISKIYOU	22	22	100.0%	9	9	100.0%	9	9	100.0%	4	4	100.0%
SOLANO	91	65	71.4%	32	27	84.4%	40	23	57.5%	15	15	100.0%
SONOMA	133	133	100.0%	17	17	100.0%	105	105	100.0%	11	11	100.0%
STANISLAUS	134	130	97.0%	39	38	97.4%	62	59	95.2%	33	33	100.0%
SUTTER	35	32	91.4%	10	10	100.0%	17	17	100.0%	5	5	100.0%
TEHAMA	30	28	93.3%	13	13	100.0%	5	5	100.0%	11	10	90.9%
TRINITY	4	3	75.0%	2	2	100.0%	1	0	0.0%	1	1	100.0%
TULARE	117	85	72.6%	43	39	90.7%	39	21	53.8%	30	25	83.3%
TUOLUMNE	17	17	100.0%	3	3	100.0%	7	7	100.0%	7	7	100.0%
VENTURA	208	208	100.0%	57	57	100.0%	127	127	100.0%	24	24	100.0%
YOLO	69	68	98.6%	20	20	100.0%	39	38	97.4%	10	10	100.0%
YUBA	21	19	90.5%	14	14	100.0%	4	2	50.0%	3	3	100.0%

¹ Includes 1,105 licensed child care facilities (11%, types unknown) that did not report their data.

* Berkeley City not included.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2015-16
 TABLE 3: TOTAL ENROLLMENT AND ADMISSION STATUS,
 BY COUNTY

	TOTAL CHILDREN	CHILDREN WITH ALL REQ. IMMUN.		CONDITIONAL CHILDREN		CHILDREN WITH PME		CHILDREN WITH PBE	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	484,979	439,119	90.5%	32,338	6.7%	2,331	0.5%	11,191	2.3%
COUNTY									
ALAMEDA*	20,405	19,304	94.6%	692	3.4%	87	0.4%	322	1.6%
ALPINE	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%
AMADOR	240	188	78.3%	39	16.3%	2	0.8%	11	4.6%
BERKELEY CITY	2,477	2,083	84.1%	267	10.8%	8	0.3%	119	4.8%
BUTTE	2,848	2,412	84.7%	291	10.2%	31	1.1%	114	4.0%
CALAVERAS	209	188	90.0%	15	7.2%	0	0.0%	6	2.9%
COLUSA	274	272	99.3%	2	0.7%	0	0.0%	0	0.0%
CONTRA COSTA	15,079	13,881	92.1%	857	5.7%	55	0.4%	286	1.9%
DEL NORTE	222	197	88.7%	17	7.7%	2	0.9%	6	2.7%
EL DORADO	2,060	1,863	90.4%	91	4.4%	20	1.0%	86	4.2%
FRESNO	14,932	14,145	94.7%	657	4.4%	31	0.2%	99	0.7%
GLENN	264	258	97.7%	4	1.5%	0	0.0%	2	0.8%
HUMBOLDT	1,570	1,145	72.9%	246	15.7%	5	0.3%	174	11.1%
IMPERIAL	2,210	2,117	95.8%	72	3.3%	12	0.5%	9	0.4%
INYO	189	171	90.5%	11	5.8%	2	1.1%	5	2.6%
KERN	9,492	8,604	90.6%	610	6.4%	39	0.4%	239	2.5%
KINGS	1,851	1,633	88.2%	206	11.1%	4	0.2%	8	0.4%
LAKE	544	452	83.1%	75	13.8%	4	0.7%	13	2.4%
LASSEN	210	166	79.0%	30	14.3%	6	2.9%	8	3.8%
LOS ANGELES	116,481	104,818	90.0%	9,022	7.7%	410	0.4%	2,231	1.9%
MADERA	1,757	1,647	93.7%	96	5.5%	1	0.1%	13	0.7%
MARIN	5,029	4,414	87.8%	303	6.0%	39	0.8%	273	5.4%
MARIPOSA	81	68	84.0%	5	6.2%	1	1.2%	7	8.6%
MENDOCINO	1,074	869	80.9%	123	11.5%	19	1.8%	63	5.9%
MERCED	3,536	3,349	94.7%	169	4.8%	5	0.1%	13	0.4%
MODOC	136	109	80.1%	13	9.6%	1	0.7%	13	9.6%
MONO	94	70	74.5%	13	13.8%	0	0.0%	11	11.7%
MONTEREY	5,303	4,993	94.2%	188	3.5%	29	0.5%	93	1.8%
NAPA	1,941	1,803	92.9%	65	3.3%	6	0.3%	67	3.5%
NEVADA	971	750	77.2%	121	12.5%	10	1.0%	90	9.3%

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 BY COUNTY

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	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	484,979	439,119	90.5%	32,338	6.7%	2,331	0.5%	11,191	2.3%
COUNTY									
ORANGE	44,645	40,032	89.7%	2,914	6.5%	317	0.7%	1,382	3.1%
PLACER	3,890	2,989	76.8%	702	18.0%	29	0.7%	170	4.4%
PLUMAS	116	92	79.3%	6	5.2%	7	6.0%	11	9.5%
RIVERSIDE	21,403	19,559	91.4%	1,271	5.9%	126	0.6%	447	2.1%
SACRAMENTO	15,193	13,736	90.4%	1,149	7.6%	32	0.2%	276	1.8%
SAN BENITO	747	672	90.0%	59	7.9%	3	0.4%	13	1.7%
SAN BERNARDINO	23,130	21,966	95.0%	771	3.3%	64	0.3%	329	1.4%
SAN DIEGO	45,046	40,763	90.5%	2,681	6.0%	261	0.6%	1,341	3.0%
SAN FRANCISCO	12,586	11,549	91.8%	779	6.2%	35	0.3%	223	1.8%
SAN JOAQUIN	7,746	7,026	90.7%	621	8.0%	25	0.3%	74	1.0%
SAN LUIS OBISPO	2,922	2,569	87.9%	177	6.1%	30	1.0%	146	5.0%
SAN MATEO	13,109	12,319	94.0%	529	4.0%	32	0.2%	229	1.7%
SANTA BARBARA	5,758	5,131	89.1%	309	5.4%	63	1.1%	255	4.4%
SANTA CLARA	33,165	29,493	88.9%	2,919	8.8%	192	0.6%	561	1.7%
SANTA CRUZ	3,182	2,620	82.3%	343	10.8%	36	1.1%	183	5.8%
SHASTA	2,284	1,904	83.4%	229	10.0%	11	0.5%	140	6.1%
SIERRA	27	24	88.9%	3	11.1%	0	0.0%	0	0.0%
SISKIYOU	515	396	76.9%	52	10.1%	12	2.3%	55	10.7%
SOLANO	2,702	2,493	92.3%	181	6.7%	3	0.1%	25	0.9%
SONOMA	5,749	4,963	86.3%	409	7.1%	74	1.3%	303	5.3%
STANISLAUS	7,185	6,626	92.2%	377	5.2%	40	0.6%	142	2.0%
SUTTER	1,277	1,175	92.0%	85	6.7%	4	0.3%	13	1.0%
TEHAMA	802	754	94.0%	31	3.9%	1	0.1%	16	2.0%
TRINITY	53	50	94.3%	3	5.7%	0	0.0%	0	0.0%
TULARE	4,612	4,458	96.7%	127	2.8%	3	0.1%	24	0.5%
TUOLUMNE	458	368	80.3%	61	13.3%	8	1.7%	21	4.6%
VENTURA	11,342	9,962	87.8%	974	8.6%	61	0.5%	345	3.0%
YOLO	2,904	2,627	90.5%	174	6.0%	30	1.0%	73	2.5%
YUBA	952	834	87.6%	102	10.7%	3	0.3%	13	1.4%

* Berkeley City not included.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2015-2016

TABLE 4: NUMBER AND PERCENTAGE OF FULLY VACCINATED CHILDREN AND 1 YEAR PERCENTAGE POINT CHANGE COMPARED TO LAST YEAR, BY COUNTY

	2015-2016			2014-2015			1 YEAR CHANGE
	TOTAL STUDENTS	NUMBER FULLY VACC	PERCENT	TOTAL	NUMBER FULLY VACC	PERCENT	PERCENT
STATE TOTAL	484,979	439,119	90.5%	486,634	434,922	89.4%	+1.1%
COUNTY							
ALAMEDA*	20,405	19,304	94.6%	20,981	18,956	90.3%	+4.3%
ALPINE	0	0	0.0%	0	0	0.0%	0.0%
AMADOR	240	188	78.3%	283	256	90.5%	-12.1%
BERKELEY CITY	2,477	2,083	84.1%	2,517	2,050	81.4%	+2.6%
BUTTE	2,848	2,412	84.7%	2,836	2,369	83.5%	+1.2%
CALAVERAS	209	188	90.0%	243	224	92.2%	-2.2%
COLUSA	274	272	99.3%	249	239	96.0%	+3.3%
CONTRA COSTA	15,079	13,881	92.1%	14,831	13,701	92.4%	-0.3%
DEL NORTE	222	197	88.7%	176	166	94.3%	-5.6%
EL DORADO	2,060	1,863	90.4%	2,052	1,827	89.0%	+1.4%
FRESNO	14,932	14,145	94.7%	13,956	13,116	94.0%	+0.7%
GLENN	264	258	97.7%	294	277	94.2%	+3.5%
HUMBOLDT	1,570	1,145	72.9%	1,685	1,052	62.4%	+10.5%
IMPERIAL	2,210	2,117	95.8%	2,801	2,728	97.4%	-1.6%
INYO	189	171	90.5%	203	190	93.6%	-3.1%
KERN	9,492	8,604	90.6%	9,568	8,792	91.9%	-1.2%
KINGS	1,851	1,633	88.2%	1,861	1,504	80.8%	+7.4%
LAKE	544	452	83.1%	666	585	87.8%	-4.7%
LASSEN	210	166	79.0%	128	97	75.8%	+3.3%
LOS ANGELES	116,481	104,818	90.0%	119,268	104,677	87.8%	+2.2%
MADERA	1,757	1,647	93.7%	1,757	1,683	95.8%	-2.0%
MARIN	5,029	4,414	87.8%	5,111	4,323	84.6%	+3.2%
MARIPOSA	81	68	84.0%	93	73	78.5%	+5.5%
MENDOCINO	1,074	869	80.9%	874	715	81.8%	-0.9%
MERCED	3,536	3,349	94.7%	3,662	3,505	95.7%	-1.0%
MODOC	136	109	80.1%	170	140	82.4%	-2.2%
MONO	94	70	74.5%	106	83	78.3%	-3.8%
MONTEREY	5,303	4,993	94.2%	5,145	4,720	91.7%	+2.4%
NAPA	1,941	1,803	92.9%	1,906	1,775	93.1%	-0.2%
NEVADA	971	750	77.2%	946	691	73.0%	+4.2%

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2015-2016
 TABLE 4: NUMBER AND PERCENTAGE OF FULLY VACCINATED CHILDREN AND 1 YEAR PERCENTAGE POINT CHANGE
 COMPARED TO LAST YEAR, BY COUNTY

	2015-2016			2014-2015			1 YEAR CHANGE
	TOTAL STUDENTS	NUMBER FULLY VACC	PERCENT	TOTAL	NUMBER FULLY VACC	PERCENT	PERCENT
STATE TOTAL	484,979	439,119	90.5%	486,634	434,922	89.4%	+1.1%
COUNTY							
ORANGE	44,645	40,032	89.7%	45,161	39,629	87.8%	+1.9%
PLACER	3,890	2,989	76.8%	3,707	2,959	79.8%	-3.0%
PLUMAS	116	92	79.3%	89	60	67.4%	+11.9%
RIVERSIDE	21,403	19,559	91.4%	21,880	20,236	92.5%	-1.1%
SACRAMENTO	15,193	13,736	90.4%	15,139	13,512	89.3%	+1.2%
SAN BENITO	747	672	90.0%	681	631	92.7%	-2.7%
SAN BERNARDINO	23,130	21,966	95.0%	22,996	21,919	95.3%	-0.3%
SAN DIEGO	45,046	40,763	90.5%	45,197	40,456	89.5%	+1.0%
SAN FRANCISCO	12,586	11,549	91.8%	12,192	10,965	89.9%	+1.8%
SAN JOAQUIN	7,746	7,026	90.7%	9,273	8,568	92.4%	-1.7%
SAN LUIS OBISPO	2,922	2,569	87.9%	3,055	2,661	87.1%	+0.8%
SAN MATEO	13,109	12,319	94.0%	12,888	12,041	93.4%	+0.5%
SANTA BARBARA	5,758	5,131	89.1%	5,691	5,110	89.8%	-0.7%
SANTA CLARA	33,165	29,493	88.9%	30,731	27,066	88.1%	+0.9%
SANTA CRUZ	3,182	2,620	82.3%	3,163	2,419	76.5%	+5.9%
SHASTA	2,284	1,904	83.4%	2,338	1,982	84.8%	-1.4%
SIERRA	27	24	88.9%	23	23	100.0%	-11.1%
SISKIYOU	515	396	76.9%	471	366	77.7%	-0.8%
SOLANO	2,702	2,493	92.3%	3,279	2,953	90.1%	+2.2%
SONOMA	5,749	4,963	86.3%	6,018	5,261	87.4%	-1.1%
STANISLAUS	7,185	6,626	92.2%	6,659	6,113	91.8%	+0.4%
SUTTER	1,277	1,175	92.0%	1,323	1,226	92.7%	-0.7%
TEHAMA	802	754	94.0%	716	615	85.9%	+8.1%
TRINITY	53	50	94.3%	51	45	88.2%	+6.1%
TULARE	4,612	4,458	96.7%	4,095	3,944	96.3%	+0.3%
TUOLUMNE	458	368	80.3%	477	370	77.6%	+2.8%
VENTURA	11,342	9,962	87.8%	11,383	10,067	88.4%	-0.6%
YOLO	2,904	2,627	90.5%	2,506	2,244	89.5%	+0.9%
YUBA	952	834	87.6%	1,084	967	89.2%	-1.6%

* Berkeley City not included.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2015-2016

TABLE 5: NUMBER AND PERCENTAGE OF 'CONDITIONAL' CHILDREN AND 1 YEAR PERCENTAGE POINT CHANGE COMPARED TO LAST YEAR, BY COUNTY

	2015-2016			2014-2015			1 YEAR
	TOTAL	CONDITIONALS	PERCENT	TOTAL	CONDITIONALS	PERCENT	PERCENTAGE POINT CHANGE
STATE TOTAL	484,979	32,338	6.7%	486,634	35,997	7.4%	-0.7%
COUNTY							
ALAMEDA*	20,405	692	3.4%	20,981	1,585	7.6%	-4.2%
ALPINE	0	0	0.0%	0	0	0.0%	0.0%
AMADOR	240	39	16.3%	283	14	4.9%	+11.4%
BERKELEY CITY	2,477	267	10.8%	2,517	291	11.6%	-0.8%
BUTTE	2,848	291	10.2%	2,836	296	10.4%	-0.2%
CALAVERAS	209	15	7.2%	243	9	3.7%	+3.5%
COLUSA	274	2	0.7%	249	7	2.8%	-2.1%
CONTRA COSTA	15,079	857	5.7%	14,831	674	4.5%	+1.2%
DEL NORTE	222	17	7.7%	176	4	2.3%	+5.4%
EL DORADO	2,060	91	4.4%	2,052	115	5.6%	-1.2%
FRESNO	14,932	657	4.4%	13,956	692	5.0%	-0.6%
GLENN	264	4	1.5%	294	12	4.1%	-2.6%
HUMBOLDT	1,570	246	15.7%	1,685	356	21.1%	-5.4%
IMPERIAL	2,210	72	3.3%	2,801	67	2.4%	+0.9%
INYO	189	11	5.8%	203	10	4.9%	+0.9%
KERN	9,492	610	6.4%	9,568	539	5.6%	+0.8%
KINGS	1,851	206	11.1%	1,861	337	18.1%	-7.0%
LAKE	544	75	13.8%	666	53	8.0%	+5.8%
LASSEN	210	30	14.3%	128	13	10.2%	+4.1%
LOS ANGELES	116,481	9,022	7.7%	119,268	11,121	9.3%	-1.6%
MADERA	1,757	96	5.5%	1,757	63	3.6%	+1.9%
MARIN	5,029	303	6.0%	5,111	443	8.7%	-2.7%
MARIPOSA	81	5	6.2%	93	9	9.7%	-3.5%
MENDOCINO	1,074	123	11.5%	874	103	11.8%	-0.3%
MERCED	3,536	169	4.8%	3,662	138	3.8%	+1.0%
MODOC	136	13	9.6%	170	21	12.4%	-2.8%
MONO	94	13	13.8%	106	9	8.5%	+5.3%
MONTEREY	5,303	188	3.5%	5,145	296	5.8%	-2.3%
NAPA	1,941	65	3.3%	1,906	31	1.6%	+1.7%
NEVADA	971	121	12.5%	946	137	14.5%	-2.0%

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2015-2016

TABLE 5: NUMBER AND PERCENTAGE OF 'CONDITIONAL' CHILDREN AND 1 YEAR PERCENTAGE POINT CHANGE COMPARED TO LAST YEAR, BY COUNTY

	2015-2016			2014-2015			1 YEAR
	TOTAL	CONDITIONALS	PERCENT	TOTAL	CONDITIONALS	PERCENT	PERCENTAGE POINT CHANGE
STATE TOTAL	484,979	32,338	6.7%	486,634	35,997	7.4%	-0.7%
COUNTY							
ORANGE	44,645	2,914	6.5%	45,161	3,613	8.0%	-1.5%
PLACER	3,890	702	18.0%	3,707	495	13.4%	+4.6%
PLUMAS	116	6	5.2%	89	7	7.9%	-2.7%
RIVERSIDE	21,403	1,271	5.9%	21,880	1,072	4.9%	+1.0%
SACRAMENTO	15,193	1,149	7.6%	15,139	1,157	7.6%	0.0%
SAN BENITO	747	59	7.9%	681	38	5.6%	+2.3%
SAN BERNARDINO	23,130	771	3.3%	22,996	628	2.7%	+0.6%
SAN DIEGO	45,046	2,681	6.0%	45,197	2,943	6.5%	-0.5%
SAN FRANCISCO	12,586	779	6.2%	12,192	905	7.4%	-1.2%
SAN JOAQUIN	7,746	621	8.0%	9,273	594	6.4%	+1.6%
SAN LUIS OBISPO	2,922	177	6.1%	3,055	227	7.4%	-1.3%
SAN MATEO	13,109	529	4.0%	12,888	492	3.8%	+0.2%
SANTA BARBARA	5,758	309	5.4%	5,691	288	5.1%	+0.3%
SANTA CLARA	33,165	2,919	8.8%	30,731	2,896	9.4%	-0.6%
SANTA CRUZ	3,182	343	10.8%	3,163	486	15.4%	-4.6%
SHASTA	2,284	229	10.0%	2,338	207	8.9%	+1.1%
SIERRA	27	3	11.1%	23	0	0.0%	+1.1%
SISKIYOU	515	52	10.1%	471	56	11.9%	-1.8%
SOLANO	2,702	181	6.7%	3,279	283	8.6%	-1.9%
SONOMA	5,749	409	7.1%	6,018	344	5.7%	+1.4%
STANISLAUS	7,185	377	5.2%	6,659	356	5.3%	-0.1%
SUTTER	1,277	85	6.7%	1,323	72	5.4%	+1.5%
TEHAMA	802	31	3.9%	716	80	11.2%	-7.3%
TRINITY	53	3	5.7%	51	3	5.9%	-0.2%
TULARE	4,612	127	2.8%	4,095	110	2.7%	+0.1%
TUOLUMNE	458	61	13.3%	477	68	14.3%	-1.0%
VENTURA	11,342	974	8.6%	11,383	854	7.5%	+1.1%
YOLO	2,904	174	6.0%	2,506	181	7.2%	-1.2%
YUBA	952	102	10.7%	1,084	97	8.9%	+1.8%

* Berkeley City not included.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2015-16

TABLE 6: NUMBER AND PERCENTAGE OF CHILDREN WITH PBEs AND 1 YEAR PERCENTAGE POINT CHANGE COMPARED TO LAST YEAR, BY COUNTY

	TOTAL CHILDREN	CHILDREN WITH PBE									
		PBE TYPE						TOTAL PBE			
		Pre-January 2014		Health Care Practitioner Counseled		Religious		2015-16		2014-15	1 YEAR PERCENTAGE POINT CHANGE
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	PERCENT	
STATE TOTAL	484,979	2,636	0.54%	7,109	1.47%	1,448	0.30%	11,193	2.31%	2.67%	-0.36%
COUNTY											
ALAMEDA*	20,405	85	0.42%	194	0.95%	43	0.21%	322	1.58%	1.71%	-0.13%
ALPINE	0	1	0.00%	1	0.00%	0	0.00%	2	0.00%	0.00%	0.00%
AMADOR	240	2	0.83%	9	3.75%	0	0.00%	11	4.58%	3.18%	+1.40%
BERKELEY CITY	2,477	13	0.52%	99	4.00%	7	0.28%	119	4.80%	1.85%	+2.95%
BUTTE	2,848	41	1.44%	56	1.97%	17	0.60%	114	4.00%	6.32%	-2.32%
CALAVERAS	209	0	0.00%	6	2.87%	0	0.00%	6	2.87%	5.36%	-2.49%
COLUSA	274	0	0.00%	0	0.00%	0	0.00%	0	0.00%	3.70%	-3.70%
CONTRA COSTA	15,079	77	0.51%	170	1.13%	39	0.26%	286	1.90%	0.40%	+1.50%
DEL NORTE	222	1	0.45%	4	1.80%	1	0.45%	6	2.70%	2.42%	+0.28%
EL DORADO	2,060	10	0.49%	49	2.38%	27	1.31%	86	4.17%	3.41%	+0.76%
FRESNO	14,932	8	0.05%	68	0.46%	23	0.15%	99	0.66%	4.82%	-4.16%
GLENN	264	1	0.38%	1	0.38%	0	0.00%	2	0.76%	0.87%	-0.11%
HUMBOLDT	1,570	30	1.91%	106	6.75%	38	2.42%	174	11.08%	1.70%	+9.38%
IMPERIAL	2,210	3	0.14%	0	0.00%	6	0.27%	9	0.41%	15.19%	-14.78%
INYO	189	1	0.53%	3	1.59%	1	0.53%	5	2.65%	0.11%	+2.54%
KERN	9,492	64	0.67%	116	1.22%	59	0.62%	239	2.52%	0.49%	+2.03%
KINGS	1,851	3	0.16%	4	0.22%	1	0.05%	8	0.43%	1.95%	-1.52%
LAKE	544	1	0.18%	1	0.18%	11	2.02%	13	2.39%	0.54%	+1.85%
LASSEN	210	0	0.00%	8	3.81%	0	0.00%	8	3.81%	3.45%	+0.36%
LOS ANGELES	116,481	568	0.49%	1,394	1.20%	269	0.23%	2,231	1.92%	8.59%	-6.67%
MADERA	1,757	0	0.00%	8	0.46%	5	0.28%	13	0.74%	2.22%	-1.48%
MARIN	5,029	43	0.86%	217	4.31%	13	0.26%	273	5.43%	0.51%	+4.92%
MARIPOSA	81	3	3.70%	3	3.70%	1	1.23%	7	8.64%	5.89%	+2.75%
MENDOCINO	1,074	7	0.65%	45	4.19%	11	1.02%	63	5.87%	8.60%	-2.73%
MERCED	3,536	3	0.08%	9	0.25%	1	0.03%	13	0.37%	5.95%	-5.58%
MODOC	136	1	0.74%	12	8.82%	0	0.00%	13	9.56%	0.38%	+9.18%
MONO	94	3	3.19%	7	7.45%	1	1.06%	11	11.70%	4.71%	+6.99%

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2015-16

TABLE 6: NUMBER AND PERCENTAGE OF CHILDREN WITH PBEs AND 1 YEAR PERCENTAGE POINT CHANGE COMPARED TO LAST YEAR, BY COUNTY

	TOTAL CHILDREN	CHILDREN WITH PBE									
		PBE TYPE						TOTAL PBE			
		Pre-January 2014		Health Care Practitioner Counseled		Religious		2015-16		2014-15	1 YEAR PERCENTAGE POINT CHANGE
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	PERCENT	
STATE TOTAL	484,979	2,636	0.54%	7,109	1.47%	1,448	0.30%	11,193	2.31%	2.67%	-0.36%
COUNTY											
MONTEREY	5,303	22	0.41%	59	1.11%	12	0.23%	93	1.75%	12.26%	-10.51%
NAPA	1,941	22	1.13%	36	1.85%	9	0.46%	67	3.45%	1.90%	+1.55%
NEVADA	971	20	2.06%	61	6.28%	9	0.93%	90	9.27%	4.67%	+4.60%
ORANGE	44,645	285	0.64%	957	2.14%	140	0.31%	1,382	3.10%	10.99%	-7.89%
PLACER	3,890	50	1.29%	92	2.37%	28	0.72%	170	4.37%	3.45%	+0.92%
PLUMAS	116	1	0.86%	10	8.62%	0	0.00%	11	9.48%	5.53%	+3.95%
RIVERSIDE	21,403	70	0.33%	289	1.35%	88	0.41%	447	2.09%	14.61%	-12.52%
SACRAMENTO	15,193	73	0.48%	154	1.01%	49	0.32%	276	1.82%	2.29%	-0.47%
SAN BENITO	747	6	0.80%	4	0.54%	3	0.40%	13	1.74%	2.79%	-1.05%
SAN BERNARDINO	23,130	73	0.32%	179	0.77%	77	0.33%	329	1.42%	1.32%	+0.10%
SAN DIEGO	45,046	320	0.71%	875	1.94%	146	0.32%	1,341	2.98%	1.69%	+1.29%
SAN FRANCISCO	12,586	37	0.29%	151	1.20%	35	0.28%	223	1.77%	3.37%	-1.60%
SAN JOAQUIN	7,746	15	0.19%	45	0.58%	14	0.18%	74	0.96%	2.40%	-1.44%
SAN LUIS OBISPO	2,922	33	1.13%	99	3.39%	14	0.48%	146	5.00%	0.91%	+4.09%
SAN MATEO	13,109	56	0.43%	154	1.17%	19	0.14%	229	1.75%	4.88%	-3.13%
SANTA BARBARA	5,758	76	1.32%	158	2.74%	21	0.36%	255	4.43%	2.23%	+2.20%
SANTA CLARA	33,165	137	0.41%	351	1.06%	73	0.22%	561	1.69%	4.76%	-3.07%
SANTA CRUZ	3,182	72	2.26%	108	3.39%	3	0.09%	183	5.75%	2.06%	+3.69%
SHASTA	2,284	39	1.71%	93	4.07%	8	0.35%	140	6.13%	7.59%	-1.46%
SIERRA	27	0	0.00%	0	0.00%	0	0.00%	0	0.00%	5.95%	-5.95%
SISKIYOU	515	12	2.33%	41	7.96%	2	0.39%	55	10.68%	0.00%	+10.68%
SOLANO	2,702	3	0.11%	16	0.59%	6	0.22%	25	0.93%	8.92%	-7.99%
SONOMA	5,749	52	0.90%	231	4.02%	20	0.35%	303	5.27%	0.98%	+4.29%
STANISLAUS	7,185	57	0.79%	59	0.82%	26	0.36%	142	1.98%	5.60%	-3.62%
SUTTER	1,277	8	0.63%	4	0.31%	1	0.08%	13	1.02%	2.15%	-1.13%
TEHAMA	802	11	1.37%	4	0.50%	1	0.12%	16	2.00%	1.51%	+0.49%
TRINITY	53	0	0.00%	0	0.00%	0	0.00%	0	0.00%	1.96%	-1.96%
TULARE	4,612	3	0.07%	16	0.35%	5	0.11%	24	0.52%	5.88%	-5.36%
TUOLUMNE	458	1	0.22%	17	3.71%	3	0.66%	21	4.59%	0.90%	+3.69%
VENTURA	11,342	96	0.85%	200	1.76%	49	0.43%	345	3.04%	7.34%	-4.30%
YOLO	2,904	6	0.21%	55	1.89%	12	0.41%	73	2.51%	3.49%	-0.98%
YUBA	952	11	1.16%	1	0.11%	1	0.11%	13	1.37%	2.91%	-1.54%

*Berkeley City not included

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2015-16
 TABLE 7: NUMBER AND PERCENTAGE OF CHILDREN FULLY VACCINATED BY VACCINE SERIES,
 BY COUNTY FOR ALL CHILD CARE CENTERS

	TOTAL CHILDREN	DTP 4+		POLIO 3+		MMR 1+		HIB 1+		HEP B 3+		VAR 1+	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	484,979	459,382	94.7%	467,578	96.4%	470,616	97.0%	472,921	97.5%	460,282	94.9%	467,210	96.3%
COUNTY													
ALAMEDA*	20,405	19,818	97.1%	19,993	98.0%	20,132	98.7%	20,186	98.9%	19,715	96.6%	20,032	98.2%
ALPINE	0	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
AMADOR	240	212	88.3%	222	92.5%	226	94.2%	232	96.7%	217	90.4%	223	92.9%
BERKELEY CITY	2,477	2,293	92.6%	2,339	94.4%	2,396	96.7%	2,388	96.4%	2,217	89.5%	2,326	93.9%
BUTTE	2,848	2,619	92.0%	2,706	95.0%	2,700	94.8%	2,759	96.9%	2,655	93.2%	2,675	93.9%
CALAVERAS	209	192	91.9%	199	95.2%	201	96.2%	203	97.1%	197	94.3%	202	96.7%
COLUSA	274	273	99.6%	274	100.0%	274	100.0%	274	100.0%	274	100.0%	273	99.6%
CONTRA COSTA	15,079	14,425	95.7%	14,711	97.6%	14,768	97.9%	14,855	98.5%	14,499	96.2%	14,657	97.2%
DEL NORTE	222	211	95.0%	214	96.4%	216	97.3%	215	96.8%	211	95.0%	213	95.9%
EL DORADO	2,060	1,921	93.3%	1,955	94.9%	1,974	95.8%	1,974	95.8%	1,934	93.9%	1,963	95.3%
FRESNO	14,932	14,352	96.1%	14,602	97.8%	14,672	98.3%	14,741	98.7%	14,575	97.6%	14,644	98.1%
GLENN	264	260	98.5%	263	99.6%	263	99.6%	263	99.6%	260	98.5%	262	99.2%
HUMBOLDT	1,570	1,312	83.6%	1,348	85.9%	1,389	88.5%	1,424	90.7%	1,286	81.9%	1,325	84.4%
IMPERIAL	2,210	2,154	97.5%	2,185	98.9%	2,194	99.3%	2,204	99.7%	2,177	98.5%	2,191	99.1%
INYO	189	177	93.7%	178	94.2%	185	97.9%	184	97.4%	178	94.2%	183	96.8%
KERN	9,492	8,913	93.9%	9,220	97.1%	9,288	97.9%	9,384	98.9%	9,205	97.0%	9,170	96.6%
KINGS	1,851	1,740	94.0%	1,818	98.2%	1,813	97.9%	1,760	95.1%	1,802	97.4%	1,814	98.0%
LAKE	544	492	90.4%	519	95.4%	517	95.0%	524	96.3%	512	94.1%	512	94.1%
LASSEN	210	187	89.0%	196	93.3%	195	92.9%	201	95.7%	195	92.9%	190	90.5%
LOS ANGELES	116,481	110,307	94.7%	112,302	96.4%	112,939	97.0%	112,851	96.9%	110,523	94.9%	112,423	96.5%
MADERA	1,757	1,671	95.1%	1,720	97.9%	1,720	97.9%	1,733	98.6%	1,693	96.4%	1,709	97.3%
MARIN	5,029	4,753	94.5%	4,710	93.7%	4,837	96.2%	4,876	97.0%	4,590	91.3%	4,702	93.5%
MARIPOSA	81	71	87.7%	74	91.4%	72	88.9%	75	92.6%	72	88.9%	69	85.2%
MENDOCINO	1,074	941	87.6%	981	91.3%	1,005	93.6%	1,014	94.4%	955	88.9%	978	91.1%
MERCED	3,536	3,416	96.6%	3,494	98.8%	3,476	98.3%	3,513	99.3%	3,474	98.2%	3,473	98.2%
MODOC	136	123	90.4%	125	91.9%	129	94.9%	133	97.8%	124	91.2%	126	92.6%
MONO	94	75	79.8%	89	94.7%	83	88.3%	90	95.7%	77	81.9%	78	83.0%
MONTEREY	5,303	5,115	96.5%	5,172	97.5%	5,176	97.6%	5,218	98.4%	5,116	96.5%	5,151	97.1%
NAPA	1,941	1,857	95.7%	1,868	96.2%	1,881	96.9%	1,904	98.1%	1,841	94.8%	1,876	96.7%
NEVADA	971	814	83.8%	847	87.2%	853	87.8%	870	89.6%	824	84.9%	838	86.3%
ORANGE	44,645	42,071	94.2%	42,722	95.7%	43,106	96.6%	43,584	97.6%	41,960	94.0%	42,679	95.6%

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2015-16
 TABLE 7: NUMBER AND PERCENTAGE OF CHILDREN FULLY VACCINATED BY VACCINE SERIES,
 BY COUNTY FOR ALL CHILD CARE CENTERS

	TOTAL CHILDREN	DTP 4+		POLIO 3+		MMR 1+		HIB 1+		HEP B 3+		VAR 1+	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	484,979	459,382	94.7%	467,578	96.4%	470,616	97.0%	472,921	97.5%	460,282	94.9%	467,210	96.3%
COUNTY													
PLACER	3,890	3,351	86.1%	3,484	89.6%	3,590	92.3%	3,614	92.9%	3,339	85.8%	3,506	90.1%
PLUMAS	116	102	87.9%	105	90.5%	106	91.4%	109	94.0%	107	92.2%	104	89.7%
RIVERSIDE	21,403	20,314	94.9%	20,690	96.7%	20,806	97.2%	20,851	97.4%	20,438	95.5%	20,696	96.7%
SACRAMENTO	15,193	14,309	94.2%	14,629	96.3%	14,708	96.8%	14,816	97.5%	14,421	94.9%	14,672	96.6%
SAN BENITO	747	708	94.8%	719	96.3%	729	97.6%	727	97.3%	710	95.0%	725	97.1%
SAN BERNARDINO	23,130	22,345	96.6%	22,659	98.0%	22,733	98.3%	22,769	98.4%	22,552	97.5%	22,706	98.2%
SAN DIEGO	45,046	42,576	94.5%	43,211	95.9%	43,532	96.6%	43,856	97.4%	42,537	94.4%	43,230	96.0%
SAN FRANCISCO	12,586	12,116	96.3%	12,238	97.2%	12,350	98.1%	12,441	98.8%	12,030	95.6%	12,238	97.2%
SAN JOAQUIN	7,746	7,306	94.3%	7,544	97.4%	7,576	97.8%	7,633	98.5%	7,429	95.9%	7,544	97.4%
SAN LUIS OBISPO	2,922	2,740	93.8%	2,727	93.3%	2,778	95.1%	2,818	96.4%	2,698	92.3%	2,748	94.0%
SAN MATEO	13,109	12,719	97.0%	12,831	97.9%	12,878	98.2%	12,902	98.4%	12,630	96.3%	12,778	97.5%
SANTA BARBARA	5,758	5,448	94.6%	5,513	95.7%	5,538	96.2%	5,574	96.8%	5,357	93.0%	5,458	94.8%
SANTA CLARA	33,165	31,258	94.2%	32,046	96.6%	32,157	97.0%	32,465	97.9%	31,413	94.7%	31,881	96.1%
SANTA CRUZ	3,182	2,941	92.4%	2,959	93.0%	3,010	94.6%	3,016	94.8%	2,787	87.6%	2,942	92.5%
SHASTA	2,284	2,042	89.4%	2,114	92.6%	2,126	93.1%	2,151	94.2%	2,081	91.1%	2,104	92.1%
SIERRA	27	24	88.9%	25	92.6%	25	92.6%	25	92.6%	25	92.6%	25	92.6%
SISKIYOU	515	447	86.8%	475	92.2%	474	92.0%	485	94.2%	460	89.3%	456	88.5%
SOLANO	2,702	2,572	95.2%	2,639	97.7%	2,636	97.6%	2,657	98.3%	2,583	95.6%	2,630	97.3%
SONOMA	5,749	5,389	93.7%	5,427	94.4%	5,513	95.9%	5,529	96.2%	5,242	91.2%	5,386	93.7%
STANISLAUS	7,185	6,814	94.8%	6,972	97.0%	6,986	97.2%	7,043	98.0%	6,913	96.2%	6,930	96.5%
SUTTER	1,277	1,207	94.5%	1,233	96.6%	1,238	96.9%	1,235	96.7%	1,213	95.0%	1,226	96.0%
TEHAMA	802	774	96.5%	779	97.1%	779	97.1%	781	97.4%	775	96.6%	773	96.4%
TRINITY	53	50	94.3%	53	100.0%	53	100.0%	53	100.0%	53	100.0%	53	100.0%
TULARE	4,612	4,504	97.7%	4,561	98.9%	4,560	98.9%	4,580	99.3%	4,543	98.5%	4,554	98.7%
TUOLUMNE	458	396	86.5%	421	91.9%	419	91.5%	439	95.9%	406	88.6%	407	88.9%
VENTURA	11,342	10,527	92.8%	10,745	94.7%	10,875	95.9%	10,934	96.4%	10,513	92.7%	10,747	94.8%
YOLO	2,904	2,765	95.2%	2,827	97.3%	2,854	98.3%	2,865	98.7%	2,778	95.7%	2,832	97.5%
YUBA	952	873	91.7%	906	95.2%	907	95.3%	921	96.7%	891	93.6%	902	94.7%

*Berkeley City not included