

2016-2017 Child Care Immunization Assessment – Executive Summary California Department of Public Health, Immunization Branch

Immunization requirements for entry into child care facilities help protect children and communities from vaccine-preventable diseases. Each autumn licensed child care facilities in California are required under state immunization requirement laws to report to the California Department of Public Health (CDPH) the status of enrolled children. In recent years there have been changes to these laws and how public health departments assist facilities to implement them. In 2014 and 2015, Assembly Bill (AB) 2109 added stipulations for exemptions to required immunizations based on personal beliefs. For the 2016-2017 school year, Senate Bill (SB) 277 no longer permitted entrants to receive such personal beliefs exemptions (PBEs). During the 2015-2016 and 2016-2017 school years, many public health departments in California assisted facilities in correctly identifying and supporting eligible children, described as conditional entrants, who catch up with immunization requirements after entry.

Compared to the 2015-2016 school year, the proportion of children attending child care facilities in 2016-2017 reported to have received all required vaccines rose from 90.5% to 94.9%, a 4.4 percentage point increase over one year and a 5.5 percentage point increase over the two years since 2014-2015. The 2016-2017 rate of 94.9% is the highest reported for the current set of immunization requirements for child care facilities, which began in the 2001-2002 school year.

Completion rates for each specific immunization series also increased, in a range from 0.7 percentage points for *Haemophilus influenzae* type b (Hib) vaccine to 2.5 percentage points for Diphtheria, Tetanus, and Pertussis (DTP) vaccine. Four (7%) counties reported fewer than 95% of their children as having had one or more doses of MMR vaccine, compared to 17 (29%) counties in 2015-2016.

The proportion of children reported as conditional entrants declined from 6.7% in 2015-2016 to 1.8% in 2016-17, a 4.9 percentage point decrease over one year and a 5.6 percentage point decrease over the two years since 2014-2015. The present rate of 1.8% is the lowest yet reported for the current set of immunization requirements for child care attendance.

The proportion of children reported with PBEs decreased in 2016-2017 from 2.3% to 1.0%. Under SB 277, PBEs remained valid for children who entered child care before 2016 and continued in child care during 2016-2017. Previously under measures specified in AB 2109, the rate of PBEs had decreased from 2.9% in 2013-2014 to 2.3% in 2015-2016.

The proportion of children reported with permanent medical exemptions decreased from 0.5% to 0.4% in 2016-2017. Another 0.1% of children were reported in a new category as lacking immunizations for other reasons specified under SB 277, specifically receipt of services in an individualized education program. The percentage of children reported as being overdue for required immunizations, another new category for 2016-2017 was 1.8%.

Possible explanations for the improvements in the reported immunization coverage of children in California include, but are not limited to:

- Efforts by public health departments, facilities, medical providers and partner organizations to help ensure that children meet immunization requirements.
- Increased public awareness about the importance of immunizations in the aftermath of outbreaks of vaccine-preventable diseases.
- The recent laws, SB 277 and AB 2109.

CDPH and local health departments in California continue to closely monitor immunization coverage and to support facilities in protecting the health of their children and communities.

2016-2017 Child Care Immunization Assessment – Technical Notes

Introduction

Each autumn licensed child care facilities in California are required to report compliance of children enrolled in their facilities with California School Immunization Laws (California Health and Safety Code Sections 120325-120375). This report summarizes data for the 2016-2017 school year reported by public, private and Head Start facilities statewide (Table 1, Figures 1-11) and by county (Tables 2-9, Figures 10 and 11).

In the 2014-2015 and 2015-2016 school years, entrants were subject to [Assembly Bill \(AB\) 2109](#), which added stipulations for exemptions to required immunizations based on personal beliefs. 2016-2017 is the first school year that entrants were subject to [Senate Bill \(SB\) 277](#), which no longer permitted them to receive such personal beliefs exemptions (PBEs).

During the 2015-2016 and 2016-2017 school years, many public health departments in California worked with facilities to improve their application of the [Conditional Admission Immunization Schedule](#) for the conditional entrance of eligible children.

Methods

During the autumn of 2016, California child care facilities registered with the Department of Social Services, Community Care Licensing Division and the California Department of Education reported data on children 2 through 5 years of age enrolled in the 2016-2017 school year to the California Department of Public Health (CDPH). Based on their immunization status, school staff classified children into the following categories:

- Received all required immunizations, including the following doses:
 - 4 or more of Diphtheria, Tetanus and Pertussis (DTP) vaccine
 - 3 or more of Polio vaccine
 - 1 or more of Measles, Mumps and Rubella (MMR) vaccine
 - 1 or more of *Haemophilus influenzae* type b (Hib)
 - 3 or more of Hepatitis B (Hep B) vaccine, and
 - 1 or more of Varicella (Var) vaccine or a history documented by a physician of having had chickenpox.
- Conditional entrants who had:
 - Not received all required doses but were not overdue for required doses, or
 - A temporary medical exemption to one or more required immunizations.Conditional entrants are required to receive additional doses after entry.
- Have a permanent medical exemption (PME) to one or more required immunizations.
- Entered a child care facility prior to the 2016-2017 school year with a personal beliefs exemption (PBE) and continued in child care during the 2016-2017 school year. Under SB 277, PBEs were no longer an option for children entering child care in the 2016-2017 school year.
- Other children lacking immunizations, a new category. Under SB 277, children who have an individualized education program (IEP) may continue to receive all necessary services identified in their IEP regardless of their immunization status. Children were classified in this category if they lacked required immunizations and did not meet the criteria for other categories.

- Children overdue for one or more required immunizations and subject to exclusion from child care attendance until the overdue requirements have been met.

To simplify reporting, in prior years any immunizations received by children with PBEs or PMEs were not reported in the completion rates of each specific required immunization series (e.g., 4+ DTP, 1+ MMR, etc.). To improve accuracy, CDPH requested facilities to include these doses when reporting completion rates of specific immunizations in the 2016-2017 school year.

Due to rounding, total figures may differ from the sums of their components.

Results

The number of children enrolled in licensed child care facilities in California whose immunization status was reported increased by 3.0 percentage points from 484,984 in the 2015-2016 school year to 500,505 in 2016-2017 (Table 1). The number of facilities that reported increased by 0.7 percentage points from 9,335 to 9,398. The number of children and the number of facilities that were reported increased for each of the three major categories of child care facility - public, private, and Head Start. The largest increases were reported in private facilities, which accounted for 59% (296,589/500,505) of all children about whom data were reported in 2016-2017 and 56% (5,281/9,398) of all facilities that reported data on children.

Figures 1-5 show trends for children in public, private, and Head Start facilities reported as having: received all required immunizations; entered conditionally; PMEs; PBEs; and completed specific immunization series. Figures 6-9 display for recent school years the distribution of major reporting categories for children reported from: all facilities; public facilities; private facilities; and Head Start facilities.

All required immunizations: Of 500,505 children whose facilities reported their status, 475,191 (94.9%) had received all required immunizations, an increase from the previous school year of 4.4 percentage points (Table 1) and an increase over two school years of 5.5 percentage points (Figures 1, 6). Compared to the 2015-2016 school year, the percentage of children with all required immunizations increased in 56 (97%) of 58 counties (Table 5). For counties reporting at least 50 children, the highest rates were reported in Colusa, Trinity, and Modoc ($\geq 98\%$) (Tables 3-5). In 2016-2017, 9 (16%) of 58 counties in California reported fewer than 90% of their children as having received all required vaccines, compared to 28 (48%) counties in 2015-2016 (Tables 4 and 5, Figure 10).

As in past years, the highest proportion of children reported as having had all required immunizations were in Head Start facilities (97.7%), compared to public (95.5%) and private (94.1%) facilities. However, the disparities between these categories have narrowed. In 2016-2017 the rates rose over one year by 5.6 percentage points (from 88.5% to 94.1%) in private facilities, 3.6 percentage points (from 91.9% to 95.5%) in public facilities, and 1.4 percentage points (from 96.3% to 97.7%) in Head Start facilities (Table 1, Figures 7-9).

Specific immunizations: Completion rates for specific immunizations increased between 0.7 percentage points for Hib to 2.5 percentage points for DTP (Tables 1 and 9, Figure 5). Rates of receipt were higher in Head Start facilities; for MMR, 99.5% of children at Head Start facilities, 98.7% at public facilities, and 97.7% at private facilities were reported as having received at least one dose, increases from 2015-2016 respectively of 0.6, 1.2 and 1.3 percentage points. In

2016-2017, 4 (7%) counties reported fewer than 95% of their children as having had one dose of MMR (Table 9, Figure 11), compared to 17 (29%) counties in 2015-2016.

Conditional entrants: Over the last two school years, the proportion of children reported as conditional entrants decreased from 6.7% in 2015-2016 to 1.8% in 2016-2017 (Table 1, Figures 2 and 6). Compared to the 2015-2016 school year, the proportion of conditional entrants in 2016-2017 decreased by 4.9 percentage points. The rate of conditional entrants decreased in each category of private (-5.6 percentage points), public (-4.9 percentage points), and Head Start (-1.6 percentage points) facilities (Table 1).

Of 58 counties, 56 (97%) reported overall reductions in conditional entrants, with the largest reductions in counties with more than 50 enrolled children reported for Placer (-15.5 percentage points) and Lake (-13.1% percentage points) Counties (Table 6). Of the 1.8% of children reported as conditional entrants in 2016-2017, 0.2% were reported as having had a temporary medical exemption.

PMEs: The percentage of children with PMEs decreased from 0.5% in 2015-2016 to 0.4% in 2016-2017 (Tables 1 and 7, Figure 3). In public facilities, the number of children reported with PMEs decreased from 396 (0.3%) to 209 (0.2%) (Figure 7). In private facilities, the number of children decreased from 1,848 (0.7%) to 1,505 (0.5%) (Figure 8). In Head Start facilities, the number of children reported with PMEs decreased from 87 (0.1%) to 42 (0.1%) (Figure 9).

PBEs: With the option of PBEs available to prior entrants but no longer to new entrants under SB 277, the percentage of children with PBEs in 2016-2017 was 1.0%, compared to 2.3% (-1.3 percentage points) in 2015-2016 and 2.9% (-1.9% percentage points) in 2013-2014 (Figures 4 and 6, Table 8). In 2016-2017 PBE rates declined over one year by 1.7 percentage points (from 3.2% to 1.5%) in private facilities, 0.9 percentage points (from 1.3% to 0.4%) in public facilities, and 0.3 percentage points (from 0.5% to 0.2%) in Head Start facilities (Table 1, Figures 7-9). The rates of PBEs continue to vary by county, with a range of 0% - 7.2% (Table 8).

Other children lacking required immunizations: In 2016-2017, 0.1% of children were reported to be lacking one or more required immunizations and to receive services specified in an IEP (Tables 1 and 3, Figure 6).

Overdue: In 2016-2017, 1.8% of children were reported as being overdue for one or more immunizations (Table 1, Figure 6). In public facilities the number of children reported as overdue was 2.2% compared with 1.9% in private facilities and 0.6% in Head Start facilities (Table 1, Figures 7-9).

Combined categories: Children who are required to receive all mandated vaccines are reported in three categories: having received all required vaccines; conditional entrants; and being overdue for required doses. The children who were reported in the sum of these three categories increased by 1.3 percentage points from 97.2% in 2015-2016 to 98.5% in 2016-2017.

Conversely the sum of children reported as not having to receive all required immunizations in child care facilities because of PMEs, PBEs, or, starting in the 2016-2017 school year, for other criteria specified in SB 277, decreased by 1.3% percentage points from 2.8% in 2015-2016 to 1.5% in 2016-2017; the combined rate decreased from 1.6% to 0.8% for public facilities, from 3.9% to 2.0% for private facilities, and from 0.6% to 0.3% in Head Start facilities.

Discussion

When comparing the 2016-2017 school year to 2015-2016, the proportion of children reported to enter child care in California after receiving all required immunizations increased by 4.4 percentage points to 94.9%, following an increase of 1.1 percentage points between the 2014-2015 and 2015-2016 school years. The 2016-2017 rate of 94.9% is the highest reported to CDPH since varicella vaccine became the most recent addition to the immunizations required for children, which began in the 2001-2002 school year.

The 5.5 percentage point increase in the receipt of all required vaccines over the previous two school years is similar in magnitude to a 5.6 percentage point decrease in children reported as conditional entrants. The proportion of conditional entrants decreased by 0.7 percentage points between 2014-2015 and 2015-2016 and 4.9 percentage points between the 2015-2016 and the 2016-2017 school years. The current reported rate of conditional entrants, 1.8%, is the lowest reported for the current panel of required immunizations in place since the 2001-2002 school year.

Since 2015 local health departments and CDPH have intensified efforts to educate child care staff on the proper use of conditional entrance criteria based on the [Conditional Admission Immunization Schedule](#). It is likely that these measures to promote compliance have contributed to the decreases in children reported as conditional entrants and the increases in those reported as having received all required vaccines. These changes might also be attributable to an increased awareness of the risks of vaccine-preventable diseases and benefits of immunization, triggered in part by the measles outbreak that spread from Disneyland in December 2014 to at least 7 additional states and 2 other countries¹.

It is possible that children who in previous school years would have been inaccurately categorized as conditional entrants represent some of the 1.8% of entrants reported as overdue in 2016-2017. Many facilities that in the 2016-2017 school year have reported children as being overdue for required immunizations instead reported in prior school years higher rates of conditional entrants; they have also reported low rates for the other categories of children without all required immunizations. Continued efforts to educate facilities and support immunization services might further reduce the number of children who are categorized at the beginning of the future school years either as conditional entrants or overdue; in sum these categories account for 3.6% of children reported in 2016-2017.

With the additional measures required under AB 2109 for requesting PBEs during 2014 and 2015, the rate of PBEs decreased from 2.9% in 2013-2014 to 2.3% in 2015-2016. With the implementation of SB 277 and the cessation of PBEs for new (but not prior) entrants, the percentage of children with PBEs in 2016-2017 has decreased to 1.0%. As children currently in child care advance to kindergarten, the proportion of children with PBEs is expected to decrease to zero. In 2016-2017, 0.4% of children were reported with PME, and another 0.1% lacked required immunizations under other criteria introduced in SB 277. Entrants reported as not having had required immunizations because of PBEs, PMEs or other criteria related to SB 277, decreased from 2.8% in 2015-2016 to 1.5% in 2016-2017. Future assessments will follow the trends for these measurements as children no longer qualify for PBEs.

¹ https://www.cdc.gov/mmwr/preview/mmwrhtml/mm6406a5.htm?s_cid=mm6406a5_w

Despite the improvements in reported immunization rates, children in facilities and communities with lower rates remain at higher risk of contracting and transmitting vaccine preventable diseases. In 2016-2017, 9 (16%) of 58 counties in California reported rates of children with all required vaccines that are below 90% (Figure 10), compared to 28 (48%) in 2015-2016. The number of counties that report fewer than 95% of their children as having had one dose of MMR (Table 9, Figure 11), decreased from 17 (29%) in 2015-2016 to 4 (7%) in 2016-2017. As an additional source of vulnerability, recent changes to California's school immunization laws did not apply to earlier cohorts of children who are no longer of school age. Unimmunized older children and adults were amongst those who caught measles in the Disneyland outbreak in 2014 and 2015. For these individuals, decisions that were made in previous decades to decline immunization have had lingering consequences for themselves and their communities.

Limitations

This report is subject to limitations that include:

- 1,299 California child care facilities, including 629 private facilities, 159 public facilities, 42 Head Start facilities and 469 facilities of unknown type did not report their immunization data; in the absence of reporting, CDPH does not know how many of them enrolled children this year or the immunization status of any enrollees.
- Part of the relative improvements in the completion rates of specific vaccines may have been due to the inclusion in reporting this year of doses received by partially immunized children who had PBEs or PME to other required immunizations. In reporting to CDPH during prior school years, doses received by children with exemptions were not included in completion rates for any specific vaccine. This may have resulted in underestimates of completion rates in prior years and overestimates of the increases in the completion rates for specific vaccines between 2016-2017 and prior years. The magnitude of the resultant increase to the rate of any immunization series in 2016-2017 resulting from this change in reporting could be no greater than 1.5%, the total of children reported in categories as not having to receive all required immunizations (PMEs, PBEs or the new category of other criteria specified in SB 277). This reporting change should not have affected rates, or changes in rates, for the category of having received all required vaccines.
- The timing of immunization is often not included in the assessment criteria; if doses were given at inappropriate ages or intervals, the reported rates may overestimate levels of immunity.
- It is possible that some immunization records provided to facilities have been incomplete. The presence of incomplete records would underestimate immunization coverage. Any improvements over time in completion of records since the time of reporting would increase estimates of coverage.
- Changes over time in the quality of reporting by facilities are another potential explanation for changes in immunization rates.

For further information, please contact the CDPH Immunization Branch at SchoolAssessments@cdph.ca.gov.

For media inquiries, please contact CDPH Office of Public Affairs via e-mail cdphpress@cdph.ca.gov or phone 916-440-7259.

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Table 9. Number and Percentage of Children with Required Immunizations by Vaccine Series, by County

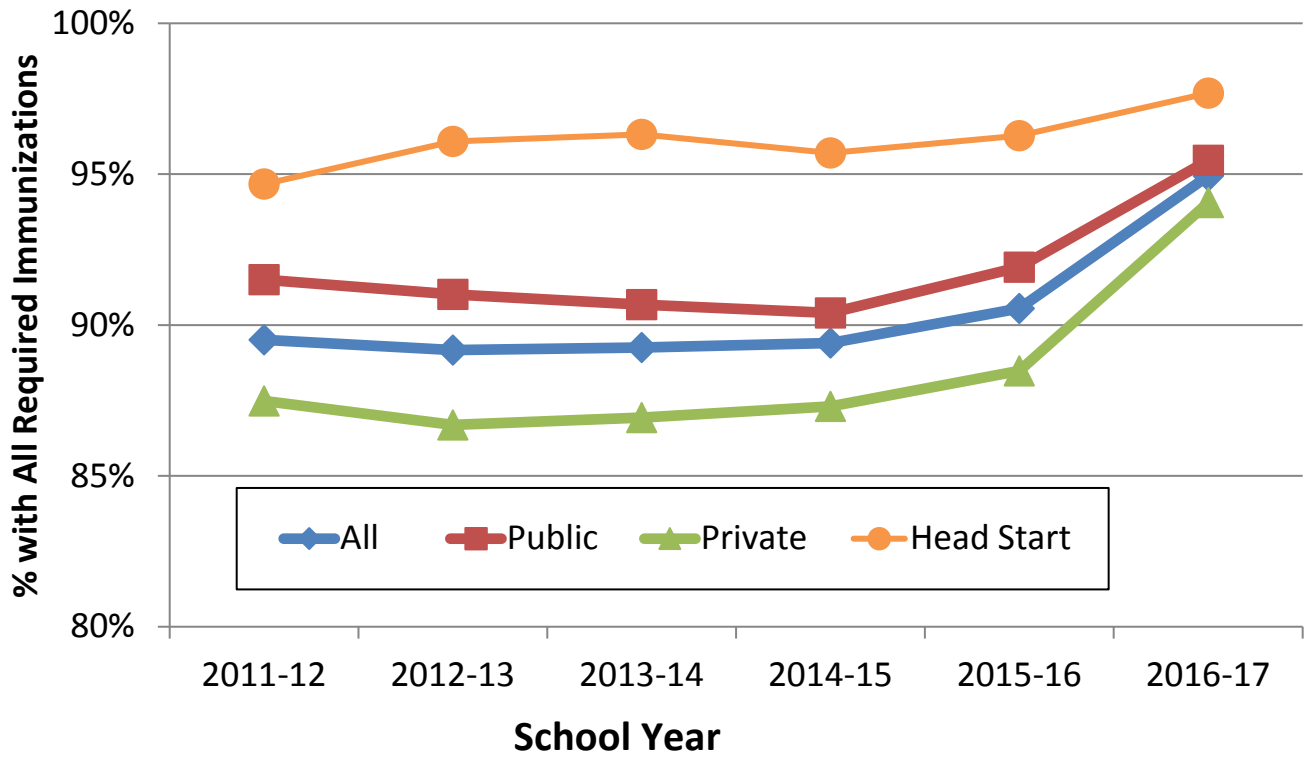


Figure 1. Percentage of Children with All Required Immunizations, by Facility Type and School Year, 2011-2012 to 2016-2017

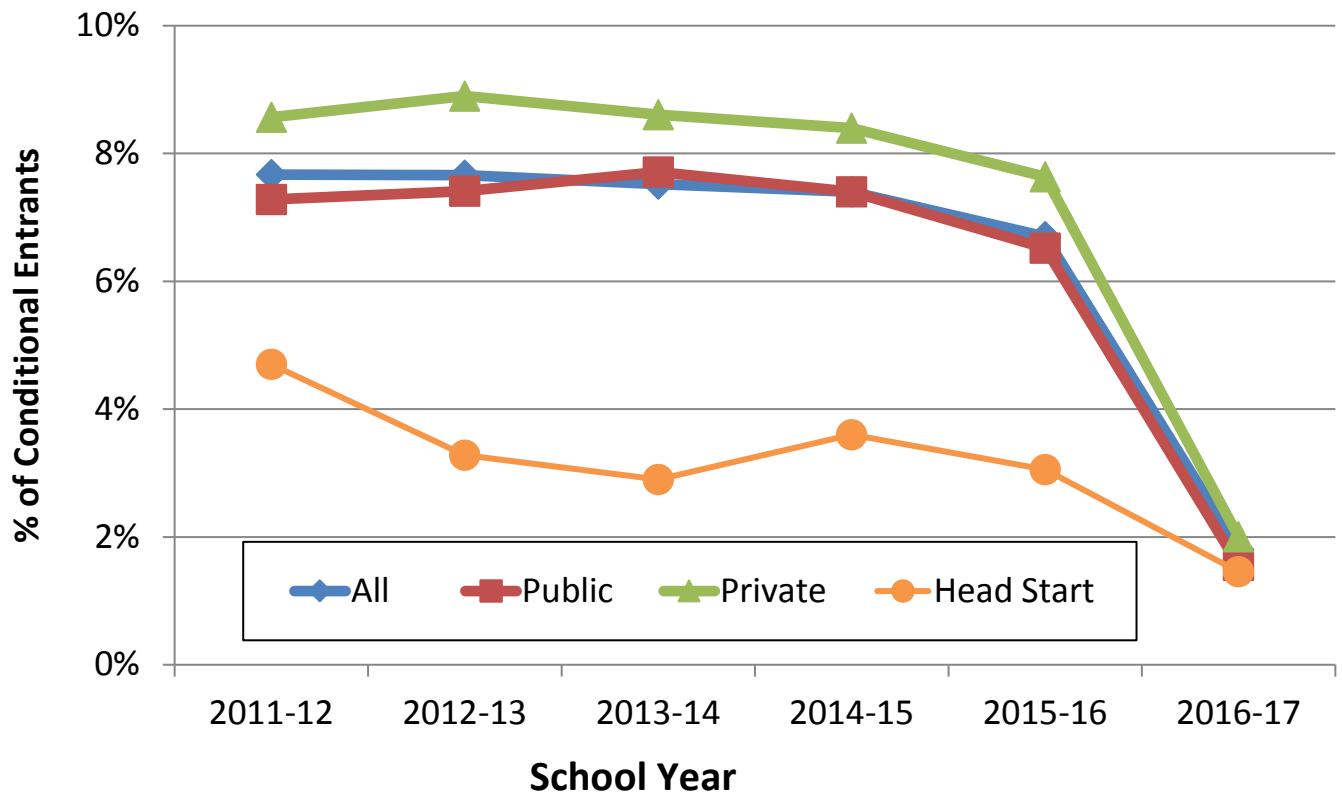


Figure 2. Percentage of Conditional Entrants into Child Care, by Facility Type and School Year, 2011-2012 to 2016-2017

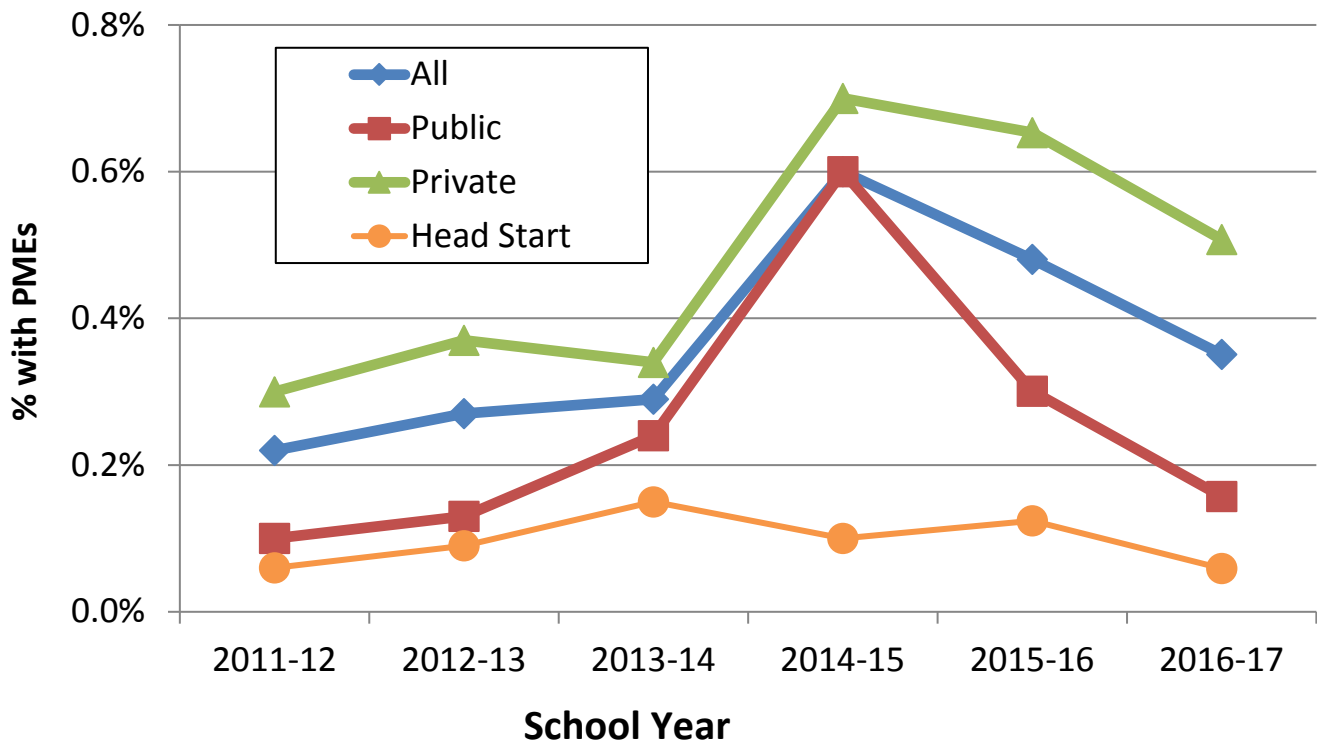


Figure 3. Percentage of Children with Permanent Medical Exemptions (PMEs), by Facility Type and School Year, 2011-2012 to 2016-2017

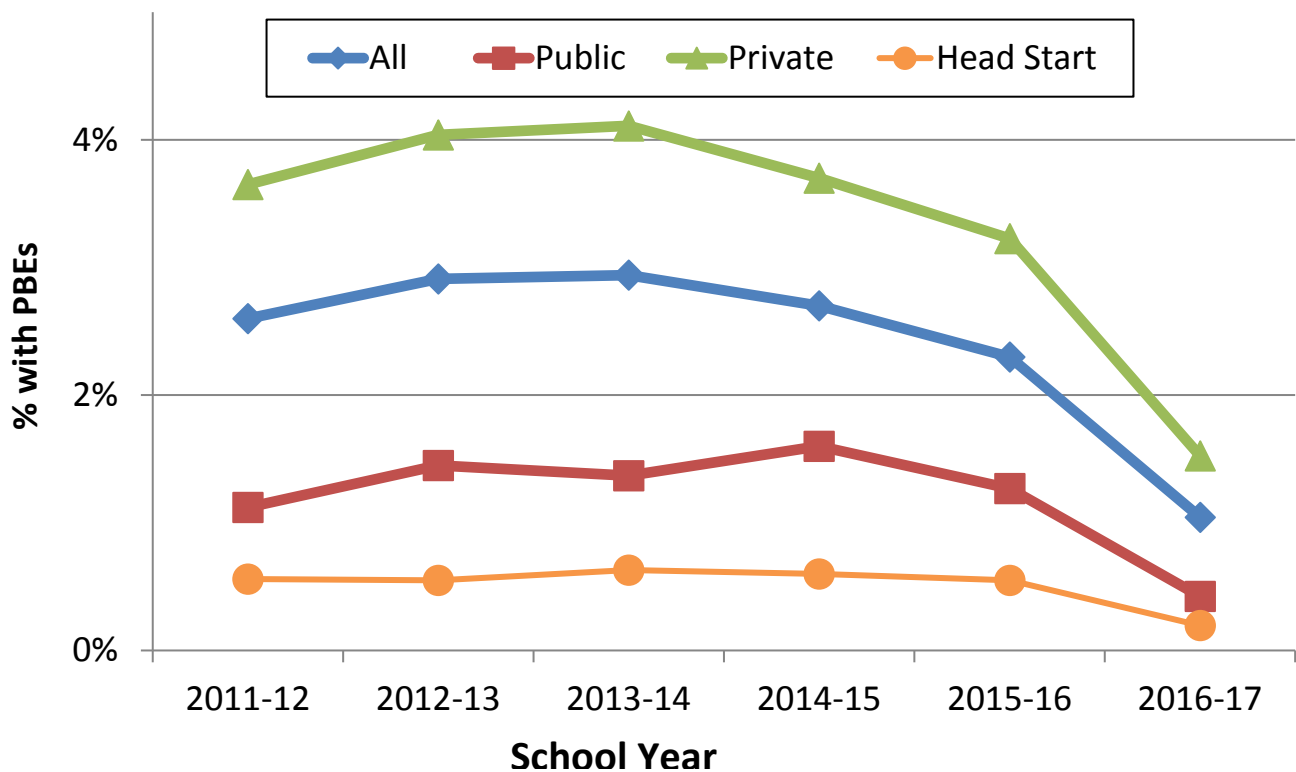


Figure 4. Percentage of Children with Personal Belief Exemptions (PBEs), by Facility Type and School Year, 2011-2012 to 2016-2017

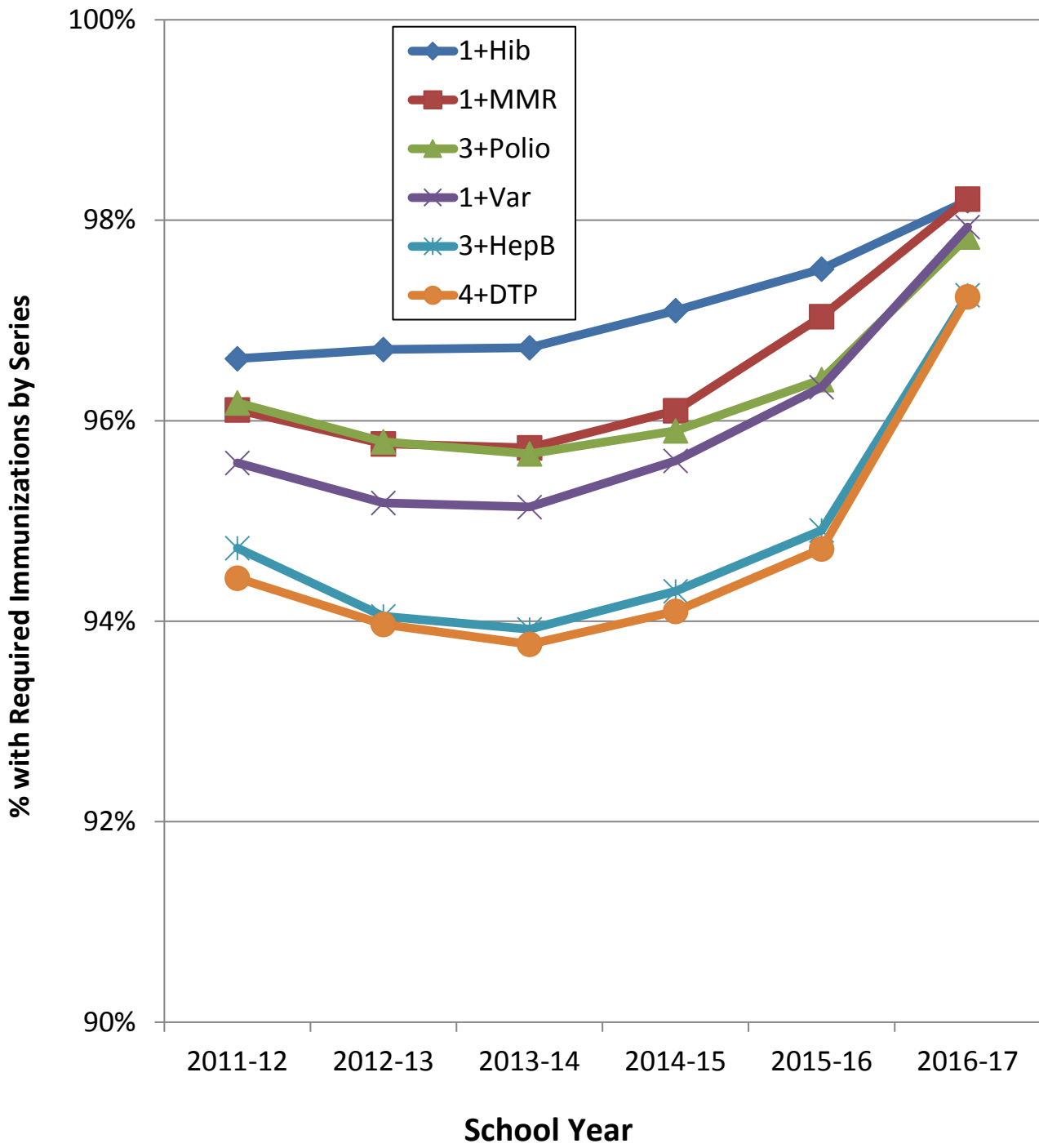
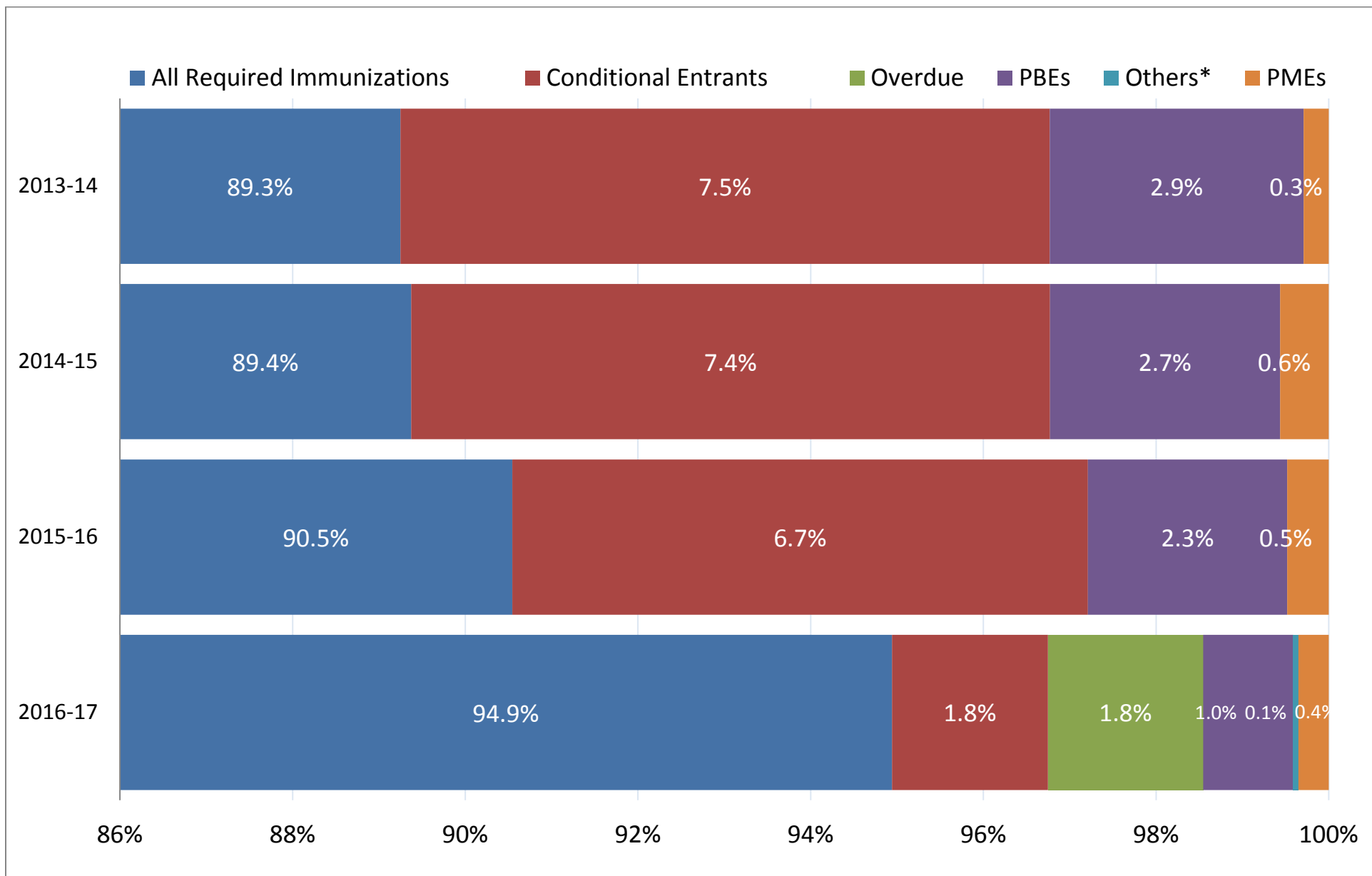
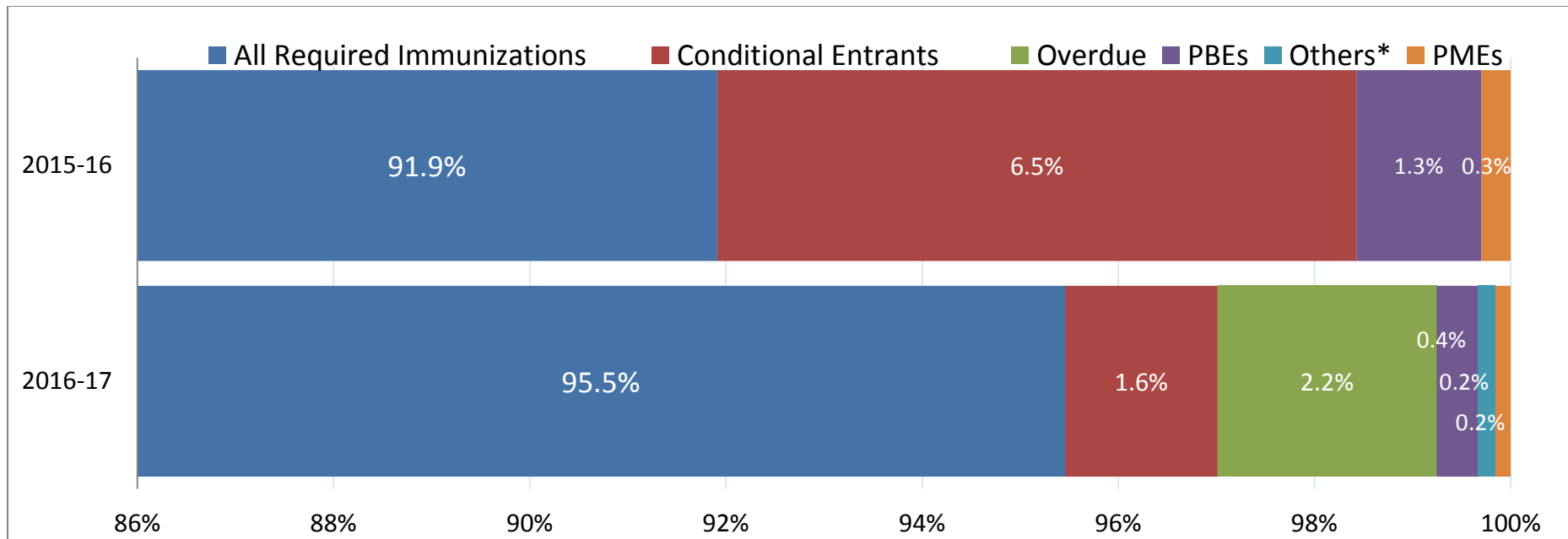


Figure 5. Percentage of Children with Specific Required Immunizations by Series and School Year, 2011-2012 to 2016-2017



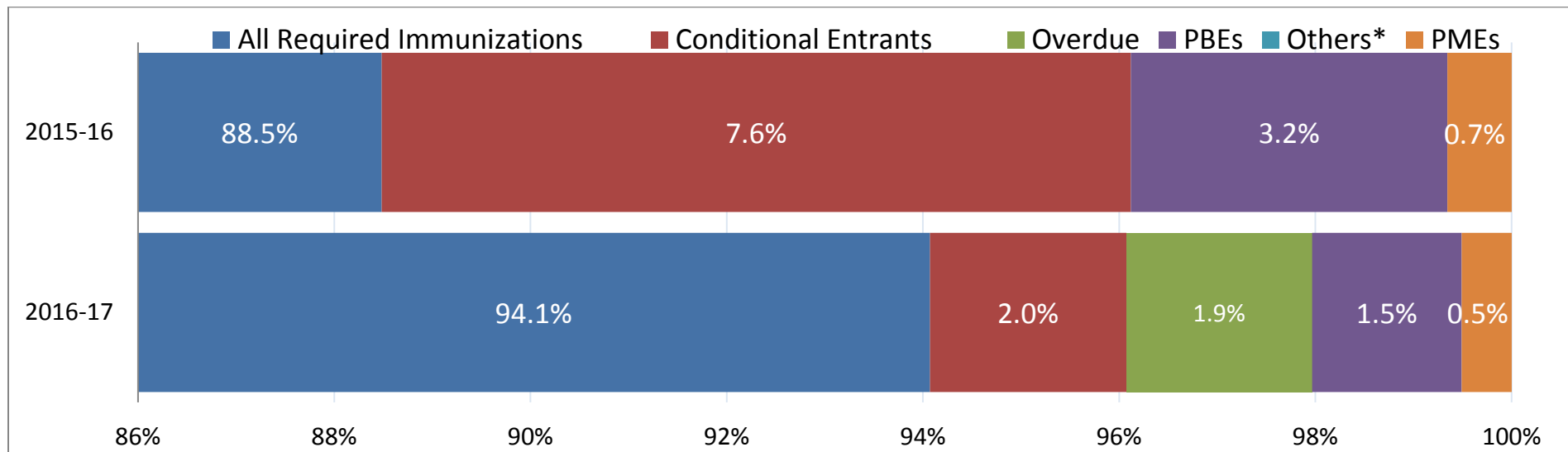
*Other children lacking required immunizations under criteria specified in SB 277.

Figure 6. Percentage of All Children by Reported Admission Status by School Year, 2013-2014 to 2016-2017. In the 2014-2015 and 2015-2016 school years, entrants were subject to AB 2109. In the 2016-2017 school year, entrants were subject to SB 277.



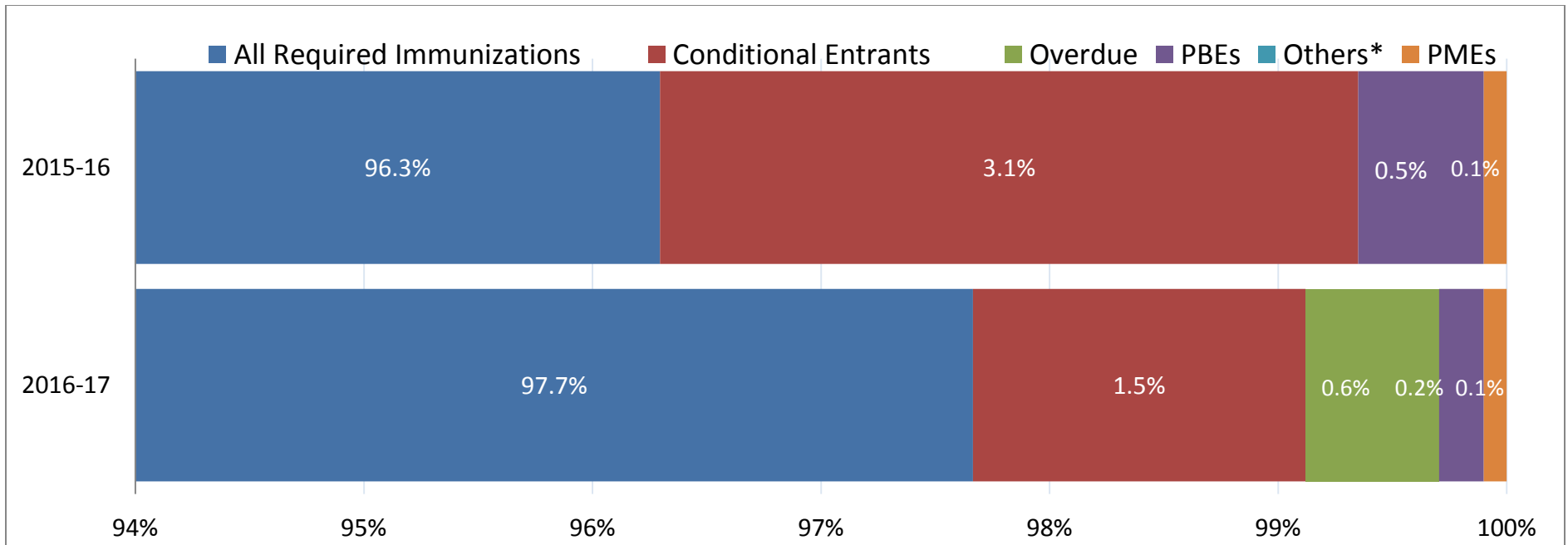
*Other children lacking required immunizations under criteria specified in SB 277.

Figure 7. Percentage of Children in Public Facilities by Reported Admission Status by School Year, 2015-2016 and 2016-2017



*Other children lacking required immunizations under criteria specified in SB 277.

Figure 8. Percentage of Children in Private Facilities by Reported Admission Status by School Year, 2015-2016 and 2016-2017



*Other children lacking required immunizations under criteria specified in SB 277.

Figure 9. Percentage of Children in Head Start Facilities by Reported Admission Status by School Year, 2015-2016 and 2016-2017

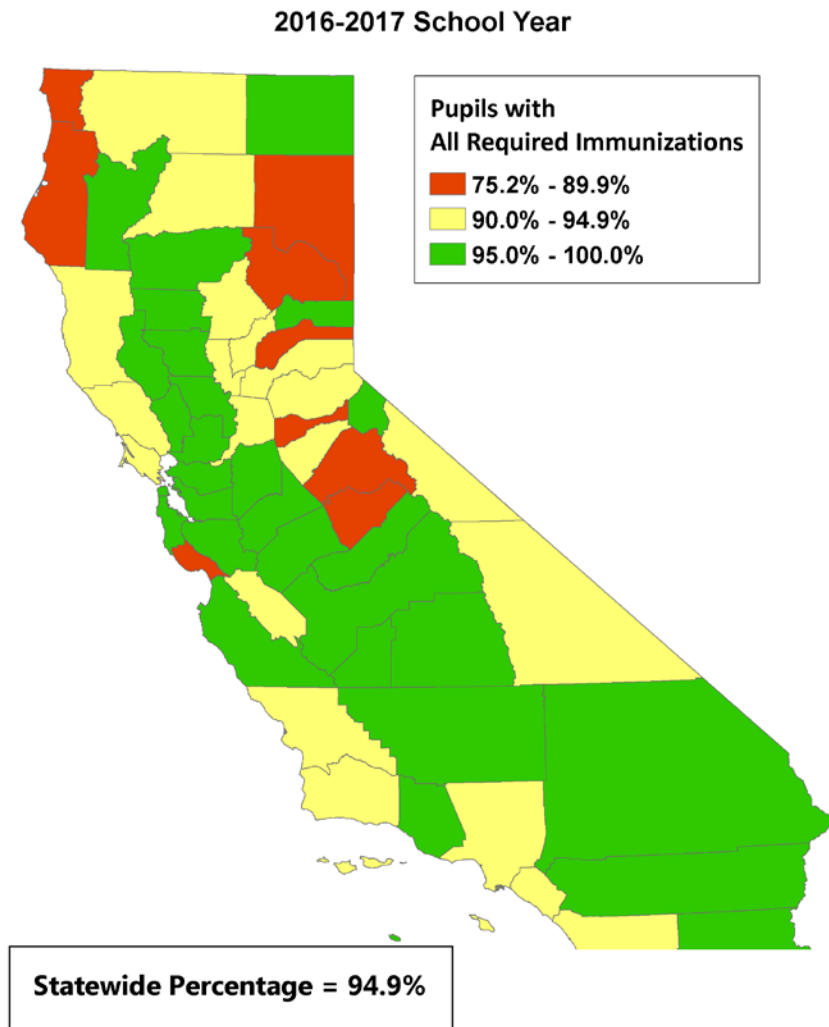
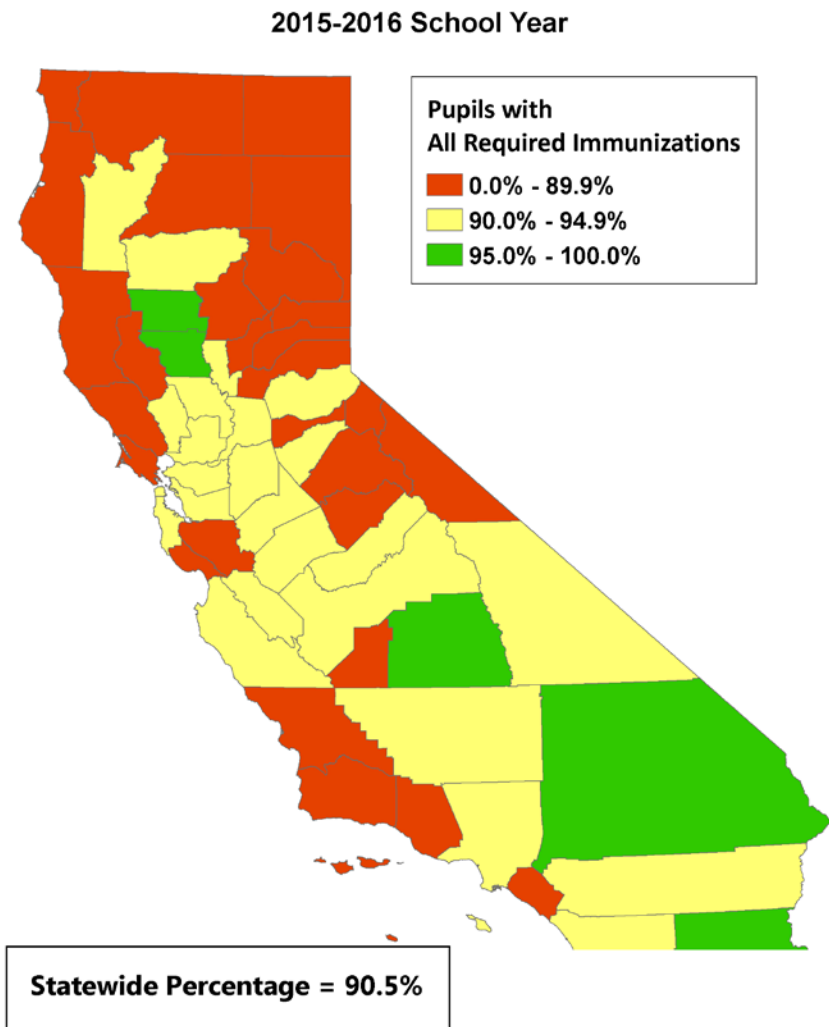
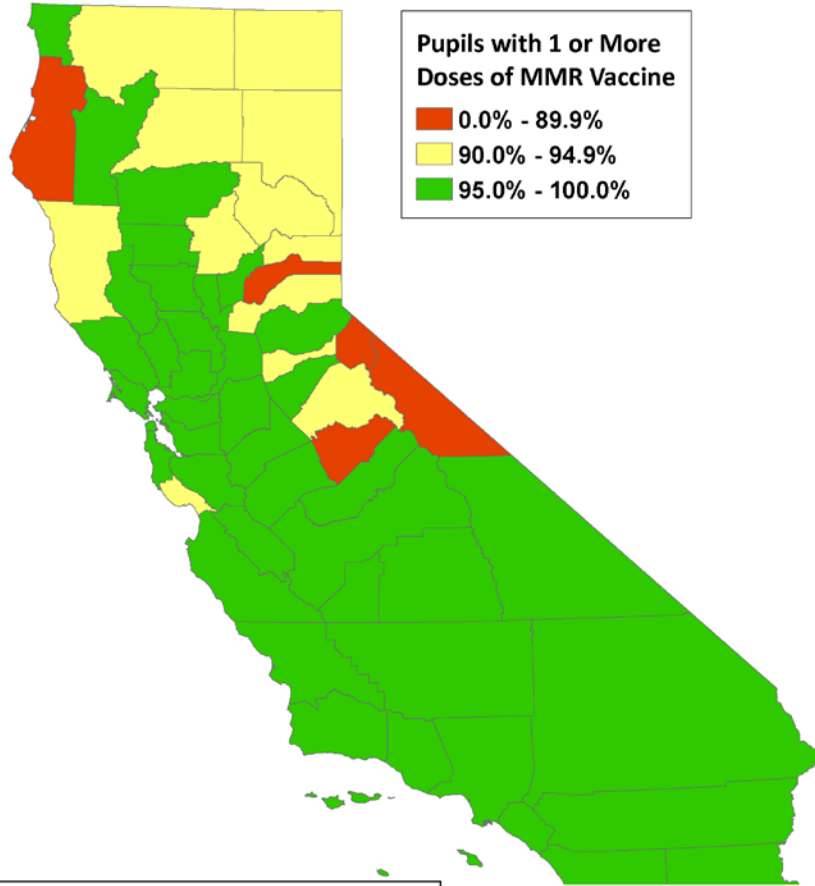


Figure 10. Children with All Required Immunizations, by County, 2015-2016 and 2016-2017 School Years

2015-2016 School Year



2016-2017 School Year

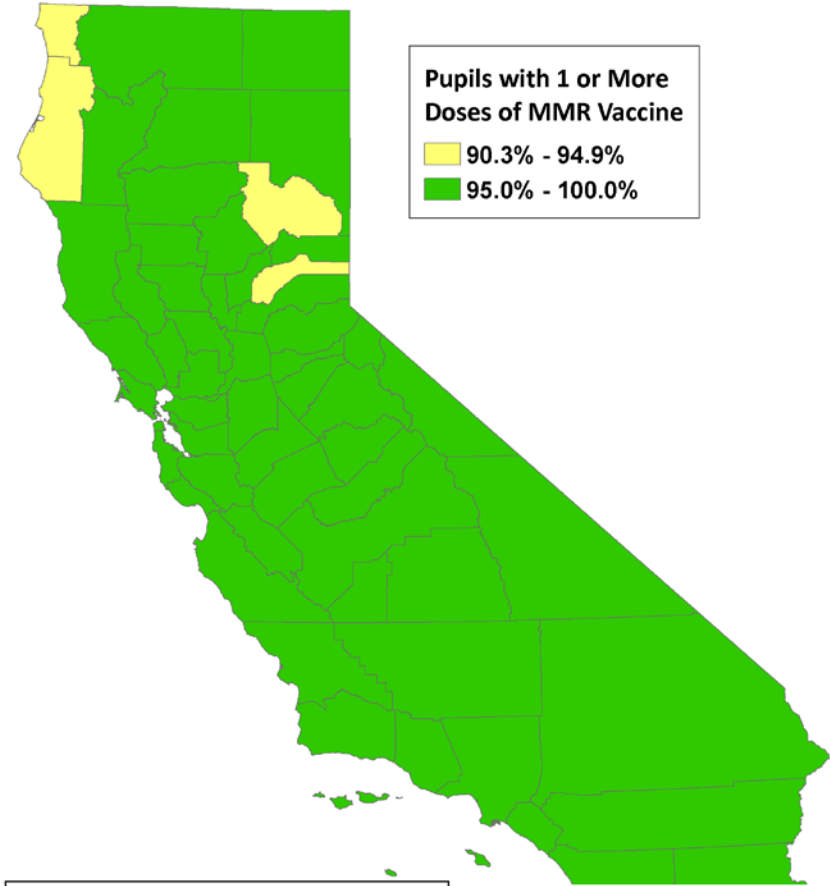


Figure 11. Children with 1 or More Doses of MMR Vaccine, by County, 2015-2016 and 2016-2017 School Years

Table 1: Child Care Immunization Assessment, 2015-2016 and 2016-2017 School Years

	2016-2017				2015-2016				1-Year Percentage Point Change			
	All	Public	Private	Head Start	All	Public	Private	Head Start	All	Public	Private	Head Start
Number of Facilities Reporting Child Care Enrollees	9,398	2,758	5,281	1,359	9,335	2,732	5,273	1,330				
Number of Children	500,505	132,883	296,589	71,033	484,984	131,756	282,986	70,242				
All Required Immunizations	94.9%	95.5%	94.1%	97.7%	90.5%	91.9%	88.5%	96.3%	4.4%	3.6%	5.6%	1.4%
Conditional Entrants	1.8%	1.6%	2.0%	1.5%	6.7%	6.5%	7.6%	3.1%	-4.9%	-4.9%	-5.6%	-1.6%
Permanent Medical Exemptions	0.4%	0.2%	0.5%	0.1%	0.5%	0.3%	0.7%	0.1%	-0.1%	-0.1%	-0.1%	-0.1%
Personal Belief Exemptions	1.0%	0.4%	1.5%	0.2%	2.3%	1.3%	3.2%	0.5%	-1.3%	-0.9%	-1.7%	-0.3%
Others Lacking immunizations*	0.1%	0.2%	0.0%	0.0%	(New category for 2016-2017)				0.1%	0.2%	0.0%	0.0%
Overdue^	1.8%	2.2%	1.9%	0.6%					1.8%	2.2%	1.9%	0.6%
4+ DTP	97.2%	97.5%	96.8%	98.4%	94.7%	95.3%	93.8%	97.5%	2.5%	2.3%	3.0%	0.9%
3+ Polio	97.8%	98.4%	97.3%	99.2%	96.4%	97.2%	95.5%	98.7%	1.4%	1.2%	1.8%	0.5%
1+ MMR	98.2%	98.7%	97.7%	99.5%	97.0%	97.5%	96.4%	99.0%	1.2%	1.2%	1.3%	0.6%
1+ Hib	98.2%	98.4%	97.9%	99.2%	97.5%	97.4%	97.2%	98.8%	0.7%	0.9%	0.6%	0.4%
3+ Hep B	97.3%	98.0%	96.4%	99.2%	94.9%	96.3%	93.4%	98.5%	2.3%	1.7%	3.1%	0.7%
1+ Var (or physician-documented disease)	97.9%	98.6%	97.2%	99.5%	96.3%	97.2%	95.3%	99.0%	1.6%	1.4%	2.0%	0.5%

*Includes children reported as receiving IEP services.

^Overdue for one or more required immunizations.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017
 TABLE 2: NUMBER AND PERCENTAGE OF FACILITIES REPORTING,
 BY COUNTY AND TYPE

	ALL			PUBLIC			PRIVATE			HEAD START		
	NUMBER OF FACILITIES	NUMBER REPORTING	PERCENT REPORTING	NUMBER OF FACILITIES	NUMBER REPORTING	PERCENT REPORTING	NUMBER OF FACILITIES	NUMBER REPORTING	PERCENT REPORTING	NUMBER OF FACILITIES	NUMBER REPORTING	PERCENT REPORTING
STATE TOTAL	10,697 ¹	9,398	87.9%	2,917	2,758	94.5%	5,910	5,281	89.4%	1,401	1,359	97.0%
COUNTY												
ALAMEDA	562	494	87.9%	112	108	96.4%	367	343	93.5%	44	43	97.7%
ALPINE	2	1	50.0%	2	1	50.0%	0	0	0.0%	0	0	0.0%
AMADOR	15	13	86.7%	5	4	80.0%	6	5	83.3%	4	4	100.0%
BUTTE	74	74	100.0%	25	25	100.0%	37	37	100.0%	12	12	100.0%
CALAVERAS	18	17	94.4%	5	5	100.0%	5	4	80.0%	8	8	100.0%
COLUSA	12	11	91.7%	1	1	100.0%	1	1	100.0%	9	9	100.0%
CONTRA COSTA	329	320	97.3%	62	61	98.4%	238	234	98.3%	25	25	100.0%
DEL NORTE	11	11	100.0%	6	6	100.0%	2	2	100.0%	3	3	100.0%
EL DORADO	62	62	100.0%	26	26	100.0%	36	36	100.0%	0	0	0.0%
FRESNO	298	298	100.0%	156	156	100.0%	100	100	100.0%	42	42	100.0%
GLENN	9	9	100.0%	1	1	100.0%	3	3	100.0%	5	5	100.0%
HUMBOLDT	56	56	100.0%	14	14	100.0%	27	27	100.0%	15	15	100.0%
IMPERIAL	55	53	96.4%	19	19	100.0%	24	22	91.7%	12	12	100.0%
INYO	14	12	85.7%	7	7	100.0%	4	2	50.0%	3	3	100.0%
KERN	188	186	98.9%	71	71	100.0%	69	67	97.1%	48	48	100.0%
KINGS	42	42	100.0%	17	17	100.0%	16	16	100.0%	9	9	100.0%
LAKE	20	19	95.0%	10	9	90.0%	4	4	100.0%	6	6	100.0%
LASSEN	13	8	61.5%	10	6	60.0%	1	1	100.0%	1	1	100.0%
LOS ANGELES	2,711	1,901	70.1%	506	450	88.9%	1,445	1,026	71.0%	447	425	95.1%
MADERA	50	39	78.0%	16	16	100.0%	17	8	47.1%	17	15	88.2%
MARIN	122	122	100.0%	17	17	100.0%	94	94	100.0%	11	11	100.0%
MARIPOSA	6	6	100.0%	5	5	100.0%	0	0	0.0%	1	1	100.0%
MENDOCINO	41	28	68.3%	24	20	83.3%	7	5	71.4%	4	3	75.0%
MERCED	88	51	58.0%	57	39	68.4%	10	8	80.0%	10	4	40.0%
MODOC	8	8	100.0%	7	7	100.0%	1	1	100.0%	0	0	0.0%
MONO	7	7	100.0%	4	4	100.0%	2	2	100.0%	1	1	100.0%
MONTEREY	132	121	91.7%	79	71	89.9%	31	30	96.8%	21	20	95.2%
NAPA	49	49	100.0%	23	23	100.0%	20	20	100.0%	6	6	100.0%

¹Includes 469 (4.4%) licensed child care facilities that did not report their data and category.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017
 TABLE 2: NUMBER AND PERCENTAGE OF FACILITIES REPORTING,
 BY COUNTY AND TYPE

	ALL			PUBLIC			PRIVATE			HEAD START		
	NUMBER OF FACILITIES	NUMBER REPORTING	PERCENT REPORTING	NUMBER OF FACILITIES	NUMBER REPORTING	PERCENT REPORTING	NUMBER OF FACILITIES	NUMBER REPORTING	PERCENT REPORTING	NUMBER OF FACILITIES	NUMBER REPORTING	PERCENT REPORTING
STATE TOTAL	10,697 ¹	9,398	87.9%	2,917	2,758	94.5%	5,910	5,281	89.4%	1,401	1,359	97.0%
COUNTY												
NEVADA	33	28	84.8%	16	13	81.3%	12	12	100.0%	4	3	75.0%
ORANGE	769	769	100.0%	212	212	100.0%	520	520	100.0%	37	37	100.0%
PLACER	101	95	94.1%	39	36	92.3%	54	52	96.3%	7	7	100.0%
PLUMAS	9	8	88.9%	6	5	83.3%	2	2	100.0%	1	1	100.0%
RIVERSIDE	373	350	93.8%	118	116	98.3%	195	181	92.8%	54	53	98.1%
SACRAMENTO	431	328	76.1%	77	74	96.1%	212	160	75.5%	95	94	98.9%
SAN BENITO	20	19	95.0%	10	10	100.0%	9	8	88.9%	1	1	100.0%
SAN BERNARDINO	417	390	93.5%	195	190	97.4%	177	159	89.8%	42	41	97.6%
SAN DIEGO	833	831	99.8%	233	232	99.6%	501	500	99.8%	99	99	100.0%
SAN FRANCISCO	284	280	98.6%	49	48	98.0%	206	204	99.0%	28	28	100.0%
SAN JOAQUIN	229	229	100.0%	116	116	100.0%	98	98	100.0%	15	15	100.0%
SAN LUIS OBISPO	102	102	100.0%	32	32	100.0%	55	55	100.0%	15	15	100.0%
SAN MATEO	281	279	99.3%	63	63	100.0%	205	204	99.5%	12	12	100.0%
SANTA BARBARA	146	142	97.3%	42	42	100.0%	76	74	97.4%	28	26	92.9%
SANTA CLARA	595	561	94.3%	94	90	95.7%	473	451	95.3%	20	20	100.0%
SANTA CRUZ	107	102	95.3%	28	28	100.0%	63	60	95.2%	14	14	100.0%
SHASTA	68	68	100.0%	29	29	100.0%	26	26	100.0%	13	13	100.0%
SIERRA	2	2	100.0%	1	1	100.0%	1	1	100.0%	0	0	0.0%
SISKIYOU	19	18	94.7%	8	7	87.5%	8	8	100.0%	3	3	100.0%
SOLANO	100	69	69.0%	30	21	70.0%	44	33	75.0%	15	15	100.0%
SONOMA	146	145	99.3%	23	23	100.0%	107	107	100.0%	15	15	100.0%
STANISLAUS	132	112	84.8%	33	29	87.9%	57	46	80.7%	38	37	97.4%
SUTTER	38	38	100.0%	14	14	100.0%	18	18	100.0%	6	6	100.0%
TEHAMA	28	23	82.1%	13	11	84.6%	5	5	100.0%	8	7	87.5%
TRINITY	4	3	75.0%	2	2	100.0%	0	0	0.0%	1	1	100.0%
TULARE	107	79	73.8%	40	32	80.0%	40	24	60.0%	23	23	100.0%
TUOLUMNE	19	17	89.5%	5	3	60.0%	7	7	100.0%	7	7	100.0%
VENTURA	218	214	98.2%	63	61	96.8%	129	127	98.4%	26	26	100.0%
YOLO	72	69	95.8%	26	25	96.2%	39	38	97.4%	7	6	85.7%
YUBA	20	10	50.0%	13	4	30.8%	4	3	75.0%	3	3	100.0%

¹Includes 469 (4.4%) licensed child care facilities that did not report their data and category.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017
 TABLE 3: TOTAL ENROLLMENT AND ADMISSION STATUS,
 BY COUNTY

	TOTAL CHILDREN	CHILDREN WITH ALL REQUIRED IMMUNIZATIONS		CONDITIONAL ENTRANTS		CHILDREN WITH PME		CHILDREN WITH PBE		OTHERS LACKING REQUIRED IMMUNIZATIONS†		OVERDUE^	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL COUNTY	500,505	475,102	94.9%	9,040	1.8%	1,756	0.4%	5,227	1.0%	297	0.1%	8,994	1.8%
ALAMEDA	24,428	23,568	96.5%	257	1.1%	43	0.2%	188	0.8%	13	0.1%	359	1.5%
ALPINE	8	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*
AMADOR	247	222	89.9%	12	4.9%	1	0.4%	5	2.0%	0	0.0%	7	2.8%
BUTTE	2,979	2,824	94.8%	58	1.9%	10	0.3%	33	1.1%	0	0.0%	54	1.8%
CALAVERAS	253	229	90.5%	13	5.1%	5	2.0%	5	2.0%	0	0.0%	1	0.4%
COLUSA	297	296	99.7%	1	0.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
CONTRA COSTA	16,469	15,936	96.8%	214	1.3%	39	0.2%	120	0.7%	2	0.0%	158	1.0%
DEL NORTE	278	209	75.2%	48	17.3%	0	0.0%	4	1.4%	0	0.0%	17	6.1%
EL DORADO	2,270	2,133	94.0%	54	2.4%	21	0.9%	39	1.7%	1	0.0%	22	1.0%
FRESNO	15,125	14,552	96.2%	248	1.6%	13	0.1%	33	0.2%	1	0.0%	278	1.8%
GLENN	259	251	96.9%	6	2.3%	0	0.0%	2	0.8%	0	0.0%	0	0.0%
HUMBOLDT	1,662	1,394	83.9%	65	3.9%	13	0.8%	119	7.2%	0	0.0%	71	4.3%
IMPERIAL	2,446	2,395	97.9%	31	1.3%	1	0.0%	1	0.0%	2	0.1%	16	0.7%
INYO	205	190	92.7%	8	3.9%	1	0.5%	2	1.0%	0	0.0%	4	2.0%
KERN	10,489	10,068	96.0%	195	1.9%	19	0.2%	74	0.7%	1	0.0%	132	1.3%
KINGS	1,971	1,910	96.9%	20	1.0%	0	0.0%	2	0.1%	0	0.0%	39	2.0%
LAKE	602	584	97.0%	4	0.7%	4	0.7%	7	1.2%	0	0.0%	3	0.5%
LASSEN	186	167	89.8%	4	2.2%	0	0.0%	2	1.1%	0	0.0%	13	7.0%
LOS ANGELES	115,782	109,031	94.2%	2,511	2.2%	360	0.3%	1,088	0.9%	50	0.0%	2,742	2.4%
MADERA	1,588	1,552	97.7%	9	0.6%	2	0.1%	0	0.0%	0	0.0%	25	1.6%
MARIN	5,151	4,751	92.2%	155	3.0%	33	0.6%	128	2.5%	4	0.1%	80	1.6%
MARIPOSA	86	76	88.4%	2	2.3%	0	0.0%	4	4.7%	0	0.0%	4	4.7%
MENDOCINO	983	895	91.0%	41	4.2%	7	0.7%	24	2.4%	0	0.0%	16	1.6%
MERCED	2,674	2,574	96.3%	40	1.5%	0	0.0%	3	0.1%	17	0.6%	40	1.5%
MODOC	139	137	98.6%	0	0.0%	0	0.0%	1	0.7%	0	0.0%	1	0.7%
MONO	129	118	91.5%	2	1.6%	0	0.0%	6	4.7%	0	0.0%	3	2.3%
MONTEREY	5,266	5,084	96.5%	75	1.4%	20	0.4%	37	0.7%	0	0.0%	50	0.9%
NAPA	1,862	1,801	96.7%	11	0.6%	10	0.5%	35	1.9%	0	0.0%	5	0.3%

† Includes students reported as receiving IEP services.

^ Overdue for one or more immunizations.

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care in the 2016-2017 school year. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%, and values of 5% or less are listed as ≤5%; 50-99 enrollees, values of 98% or higher are listed as ≥98%, and values of 2% or less are listed as ≤2%; 100 or more enrollees, values of 99% or higher are listed as ≥99%, and values of 1% or less are listed as ≤1%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017
 TABLE 3: TOTAL ENROLLMENT AND ADMISSION STATUS,
 BY COUNTY

	TOTAL CHILDREN	CHILDREN WITH ALL REQUIRED IMMUNIZATIONS		CONDITIONAL ENTRANTS		CHILDREN WITH PME		CHILDREN WITH PBE		OTHERS LACKING REQUIRED IMMUNIZATIONS†		OVERDUE^	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL COUNTY	500,505	475,102	94.9%	9,040	1.8%	1,756	0.4%	5,227	1.0%	297	0.1%	8,994	1.8%
NEVADA	922	783	84.9%	37	4.0%	11	1.2%	59	6.4%	0	0.0%	32	3.5%
ORANGE	48,127	45,510	94.6%	874	1.8%	248	0.5%	745	1.5%	38	0.1%	712	1.5%
PLACER	4,333	3,911	90.3%	109	2.5%	44	1.0%	91	2.1%	5	0.1%	173	4.0%
PLUMAS	165	140	84.8%	4	2.4%	1	0.6%	9	5.5%	0	0.0%	11	6.7%
RIVERSIDE	22,191	21,096	95.1%	327	1.5%	78	0.4%	142	0.6%	42	0.2%	506	2.3%
SACRAMENTO	16,015	15,170	94.7%	416	2.6%	30	0.2%	101	0.6%	13	0.1%	285	1.8%
SAN BENITO	722	664	92.0%	39	5.4%	4	0.6%	2	0.3%	0	0.0%	13	1.8%
SAN BERNARDINO	24,052	23,331	97.0%	253	1.1%	30	0.1%	113	0.5%	17	0.1%	308	1.3%
SAN DIEGO	46,578	43,930	94.3%	955	2.1%	272	0.6%	665	1.4%	12	0.0%	744	1.6%
SAN FRANCISCO	12,812	12,189	95.1%	250	2.0%	36	0.3%	99	0.8%	16	0.1%	222	1.7%
SAN JOAQUIN	9,668	9,265	95.8%	156	1.6%	21	0.2%	28	0.3%	15	0.2%	183	1.9%
SAN LUIS OBISPO	3,223	2,999	93.0%	66	2.0%	14	0.4%	71	2.2%	8	0.2%	65	2.0%
SAN MATEO	13,824	13,422	97.1%	117	0.8%	24	0.2%	116	0.8%	5	0.0%	140	1.0%
SANTA BARBARA	6,016	5,694	94.6%	99	1.6%	20	0.3%	159	2.6%	1	0.0%	43	0.7%
SANTA CLARA	33,363	32,012	96.0%	416	1.2%	105	0.3%	247	0.7%	4	0.0%	579	1.7%
SANTA CRUZ	3,460	3,109	89.9%	119	3.4%	39	1.1%	117	3.4%	1	0.0%	75	2.2%
SHASTA	2,275	2,064	90.7%	67	2.9%	15	0.7%	65	2.9%	2	0.1%	62	2.7%
SIERRA	31	--*	≥95%	--*	≤5%	0	0%	0	0%	0	0%	0	0%
SISKIYOU	436	398	91.3%	8	1.8%	1	0.2%	15	3.4%	0	0.0%	14	3.2%
SOLANO	3,081	2,934	95.2%	58	1.9%	8	0.3%	14	0.5%	1	0.0%	66	2.1%
SONOMA	5,982	5,519	92.3%	143	2.4%	48	0.8%	143	2.4%	10	0.2%	119	2.0%
STANISLAUS	6,499	6,221	95.7%	98	1.5%	25	0.4%	29	0.4%	4	0.1%	122	1.9%
SUTTER	1,529	1,443	94.4%	11	0.7%	4	0.3%	2	0.1%	0	0.0%	69	4.5%
TEHAMA	783	752	96.0%	16	2.0%	2	0.3%	6	0.8%	0	0.0%	7	0.9%
TRINITY	50	--*	≥98%	--*	≤2%	0	0%	0	0%	0	0%	0	0%
TULARE	4,384	4,287	97.8%	27	0.6%	4	0.1%	13	0.3%	0	0.0%	53	1.2%
TUOLUMNE	509	454	89.2%	27	5.3%	7	1.4%	14	2.8%	2	0.4%	5	1.0%
VENTURA	12,104	11,505	95.1%	211	1.7%	53	0.4%	168	1.4%	9	0.1%	158	1.3%
YOLO	3,019	2,872	95.1%	52	1.7%	10	0.3%	29	1.0%	1	0.0%	55	1.8%
YUBA	518	481	92.9%	1	0.2%	0	0.0%	3	0.6%	0	0.0%	33	6.4%

† Includes students reported as receiving IEP services.

^ Overdue for one or more immunizations.

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care in the 2016-2017 school year. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%, and values of 5% or less are listed as ≤5%; 50-99 enrollees, values of 98% or higher are listed as ≥98%, and values of 2% or less are listed as ≤2%; 100 or more enrollees, values of 99% or higher are listed as ≥99%, and values of 1% or less are listed as ≤1%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017
 TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2016-2017 AND 2015-2016,
 BY COUNTY

	SCHOOL YEAR	TOTAL CHILDREN	CHILDREN WITH ALL REQUIRED IMMUNIZATIONS	CONDITIONAL ENTRANTS	CHILDREN WITH PME	CHILDREN WITH PBE	OTHERS LACKING REQUIRED IMMUNIZATIONS†	OVERDUE^
		NUMBER	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
STATE TOTAL	2016-17	500,505	94.9	1.8	0.4	1.0	0.1	1.8
	2015-16	484,979	90.5	6.7	0.5	2.3	.	.
ALAMEDA	2016-17	24,428	96.5	1.1	0.2	0.8	0.1	1.5
	2015-16	22,882	93.5	4.2	0.4	1.9	.	.
ALPINE	2016-17	8	--*	--*	--*	--*	--*	--*
	2015-16	5	--*	--*	--*	--*	.	.
AMADOR	2016-17	247	89.9	4.9	0.4	2.0	0.0	2.8
	2015-16	240	78.3	16.3	0.8	4.6	.	.
BUTTE	2016-17	2,979	94.8	1.9	0.3	1.1	0.0	1.8
	2015-16	2,848	84.7	10.2	1.1	4.0	.	.
CALAVERAS	2016-17	253	90.5	5.1	2.0	2.0	0.0	0.4
	2015-16	209	90.0	7.2	0.0	2.9	.	.
COLUSA	2016-17	297	99.7	0.3	0.0	0.0	0.0	0.0
	2015-16	274	99.3	0.7	0.0	0.0	.	.
CONTRA COSTA	2016-17	16,469	96.8	1.3	0.2	0.7	0.0	1.0
	2015-16	15,079	92.1	5.7	0.4	1.9	.	.
DEL NORTE	2016-17	278	75.2	17.3	0.0	1.4	0.0	6.1
	2015-16	222	88.7	7.7	0.9	2.7	.	.
EL DORADO	2016-17	2,270	94.0	2.4	0.9	1.7	0.0	1.0
	2015-16	2,060	90.4	4.4	1.0	4.2	.	.
FRESNO	2016-17	15,125	96.2	1.6	0.1	0.2	0.0	1.8
	2015-16	14,932	94.7	4.4	0.2	0.7	.	.
GLENN	2016-17	259	96.9	2.3	0.0	0.8	0.0	0.0
	2015-16	264	97.7	1.5	0.0	0.8	.	.
HUMBOLDT	2016-17	1,662	83.9	3.9	0.8	7.2	0.0	4.3
	2015-16	1,570	72.9	15.7	0.3	11.1	.	.
IMPERIAL	2016-17	2,446	97.9	1.3	0.0	0.0	0.1	0.7
	2015-16	2,210	95.8	3.3	0.5	0.4	.	.
INYO	2016-17	205	92.7	3.9	0.5	1.0	0.0	2.0
	2015-16	189	90.5	5.8	1.1	2.6	.	.

† Includes students reported as receiving IEP services.

^ Overdue for one or more immunizations.

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care in the 2016-2017 school year. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%, and values of 5% or less are listed as ≤5%; 50-99 enrollees, values of 98% or higher are listed as ≥98%, and values of 2% or less are listed as ≤2%; 100 or more enrollees, values of 99% or higher are listed as ≥99%, and values of 1% or less are listed as ≤1%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017
 TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2016-2017 AND 2015-2016,
 BY COUNTY

	SCHOOL YEAR	TOTAL CHILDREN	CHILDREN WITH ALL REQUIRED IMMUNIZATIONS	CONDITIONAL ENTRANTS	CHILDREN WITH PME	CHILDREN WITH PBE	OTHERS LACKING REQUIRED IMMUNIZATIONS†	OVERDUE^
		NUMBER	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
STATE TOTAL	2016-17	500,505	94.9	1.8	0.4	1.0	0.1	1.8
	2015-16	484,979	90.5	6.7	0.5	2.3	.	.
KERN	2016-17	10,489	96.0	1.9	0.2	0.7	0.0	1.3
	2015-16	9,492	90.6	6.4	0.4	2.5	.	.
KINGS	2016-17	1,971	96.9	1.0	0.0	0.1	0.0	2.0
	2015-16	1,851	88.2	11.1	0.2	0.4	.	.
LAKE	2016-17	602	97.0	0.7	0.7	1.2	0.0	0.5
	2015-16	544	83.1	13.8	0.7	2.4	.	.
LASSEN	2016-17	186	89.8	2.2	0.0	1.1	0.0	7.0
	2015-16	210	79.0	14.3	2.9	3.8	.	.
LOS ANGELES	2016-17	115,782	94.2	2.2	0.3	0.9	0.0	2.4
	2015-16	116,481	90.0	7.7	0.4	1.9	.	.
MADERA	2016-17	1,588	97.7	0.6	0.1	0.0	0.0	1.6
	2015-16	1,757	93.7	5.5	0.1	0.7	.	.
MARIN	2016-17	5,151	92.2	3.0	0.6	2.5	0.1	1.6
	2015-16	5,029	87.8	6.0	0.8	5.4	.	.
MARIPOSA	2016-17	86	88.4	2.3	0.0	4.7	0.0	4.7
	2015-16	81	84.0	6.2	1.2	8.6	.	.
MENDOCINO	2016-17	983	91.0	4.2	0.7	2.4	0.0	1.6
	2015-16	1,074	80.9	11.5	1.8	5.9	.	.
MERCED	2016-17	2,674	96.3	1.5	0.0	0.1	0.6	1.5
	2015-16	3,536	94.7	4.8	0.1	0.4	.	.
MODOC	2016-17	139	98.6	0.0	0.0	0.7	0.0	0.7
	2015-16	136	80.1	9.6	0.7	9.6	.	.
MONO	2016-17	129	91.5	1.6	0.0	4.7	0.0	2.3
	2015-16	94	74.5	13.8	0.0	11.7	.	.
MONTEREY	2016-17	5,266	96.5	1.4	0.4	0.7	0.0	0.9
	2015-16	5,303	94.2	3.5	0.5	1.8	.	.
NAPA	2016-17	1,862	96.7	0.6	0.5	1.9	0.0	0.3
	2015-16	1,941	92.9	3.3	0.3	3.5	.	.
NEVADA	2016-17	922	84.9	4.0	1.2	6.4	0.0	3.5
	2015-16	971	77.2	12.5	1.0	9.3	.	.

† Includes students reported as receiving IEP services.

^ Overdue for one or more immunizations.

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care in the 2016-2017 school year. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%, and values of 5% or less are listed as ≤5%; 50-99 enrollees, values of 98% or higher are listed as ≥98%, and values of 2% or less are listed as ≤2%; 100 or more enrollees, values of 99% or higher are listed as ≥99%, and values of 1% or less are listed as ≤1%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017
 TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2016-2017 AND 2015-2016,
 BY COUNTY

	SCHOOL YEAR	TOTAL CHILDREN	CHILDREN WITH ALL REQUIRED IMMUNIZATIONS	CONDITIONAL ENTRANTS	CHILDREN WITH PME	CHILDREN WITH PBE	OTHERS LACKING REQUIRED IMMUNIZATIONS†	OVERDUE^
		NUMBER	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
STATE TOTAL	2016-17	500,505	94.9	1.8	0.4	1.0	0.1	1.8
	2015-16	484,979	90.5	6.7	0.5	2.3	.	.
ORANGE	2016-17	48,127	94.6	1.8	0.5	1.5	0.1	1.5
	2015-16	44,645	89.7	6.5	0.7	3.1	.	.
PLACER	2016-17	4,333	90.3	2.5	1.0	2.1	0.1	4.0
	2015-16	3,890	76.8	18.0	0.7	4.4	.	.
PLUMAS	2016-17	165	84.8	2.4	0.6	5.5	0.0	6.7
	2015-16	116	79.3	5.2	6.0	9.5	.	.
RIVERSIDE	2016-17	22,191	95.1	1.5	0.4	0.6	0.2	2.3
	2015-16	21,403	91.4	5.9	0.6	2.1	.	.
SACRAMENTO	2016-17	16,015	94.7	2.6	0.2	0.6	0.1	1.8
	2015-16	15,193	90.4	7.6	0.2	1.8	.	.
SAN BENITO	2016-17	722	92.0	5.4	0.6	0.3	0.0	1.8
	2015-16	747	90.0	7.9	0.4	1.7	.	.
SAN BERNARDINO	2016-17	24,052	97.0	1.1	0.1	0.5	0.1	1.3
	2015-16	23,130	95.0	3.3	0.3	1.4	.	.
SAN DIEGO	2016-17	46,578	94.3	2.1	0.6	1.4	0.0	1.6
	2015-16	45,046	90.5	6.0	0.6	3.0	.	.
SAN FRANCISCO	2016-17	12,812	95.1	2.0	0.3	0.8	0.1	1.7
	2015-16	12,586	91.8	6.2	0.3	1.8	.	.
SAN JOAQUIN	2016-17	9,668	95.8	1.6	0.2	0.3	0.2	1.9
	2015-16	7,746	90.7	8.0	0.3	1.0	.	.
SAN LUIS OBISPO	2016-17	3,223	93.0	2.0	0.4	2.2	0.2	2.0
	2015-16	2,922	87.9	6.1	1.0	5.0	.	.
SAN MATEO	2016-17	13,824	97.1	0.8	0.2	0.8	0.0	1.0
	2015-16	13,109	94.0	4.0	0.2	1.7	.	.
SANTA BARBARA	2016-17	6,016	94.6	1.6	0.3	2.6	0.0	0.7
	2015-16	5,758	89.1	5.4	1.1	4.4	.	.
SANTA CLARA	2016-17	33,363	96.0	1.2	0.3	0.7	0.0	1.7
	2015-16	33,165	88.9	8.8	0.6	1.7	.	.

† Includes students reported as receiving IEP services.

^ Overdue for one or more immunizations.

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care in the 2016-2017 school year. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%, and values of 5% or less are listed as ≤5%; 50-99 enrollees, values of 98% or higher are listed as ≥98%, and values of 2% or less are listed as ≤2%; 100 or more enrollees, values of 99% or higher are listed as ≥99%, and values of 1% or less are listed as ≤1%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017
 TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2016-2017 AND 2015-2016,
 BY COUNTY

	SCHOOL YEAR	TOTAL CHILDREN	CHILDREN WITH ALL REQUIRED IMMUNIZATIONS	CONDITIONAL ENTRANTS	CHILDREN WITH PME	CHILDREN WITH PBE	OTHERS LACKING REQUIRED IMMUNIZATIONS†	OVERDUE^
		NUMBER	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
STATE TOTAL	2016-17	500,505	94.9	1.8	0.4	1.0	0.1	1.8
	2015-16	484,979	90.5	6.7	0.5	2.3	.	.
SANTA CRUZ	2016-17	3,460	89.9	3.4	1.1	3.4	0.0	2.2
	2015-16	3,182	82.3	10.8	1.1	5.8	.	.
SHASTA	2016-17	2,275	90.7	2.9	0.7	2.9	0.1	2.7
	2015-16	2,284	83.4	10.0	0.5	6.1	.	.
SIERRA	2016-17	31	≥95.0*	≤5.0*	0.0	0.0	0.0	0.0
	2015-16	27	88.9	11.1	0.0	0.0	.	.
SISKIYOU	2016-17	436	91.3	1.8	0.2	3.4	0.0	3.2
	2015-16	515	76.9	10.1	2.3	10.7	.	.
SOLANO	2016-17	3,081	95.2	1.9	0.3	0.5	0.0	2.1
	2015-16	2,702	92.3	6.7	0.1	0.9	.	.
SONOMA	2016-17	5,982	92.3	2.4	0.8	2.4	0.2	2.0
	2015-16	5,749	86.3	7.1	1.3	5.3	.	.
STANISLAUS	2016-17	6,499	95.7	1.5	0.4	0.4	0.1	1.9
	2015-16	7,185	92.2	5.2	0.6	2.0	.	.
SUTTER	2016-17	1,529	94.4	0.7	0.3	0.1	0.0	4.5
	2015-16	1,277	92.0	6.7	0.3	1.0	.	.
TEHAMA	2016-17	783	96.0	2.0	0.3	0.8	0.0	0.9
	2015-16	802	94.0	3.9	0.1	2.0	.	.
TRINITY	2016-17	50	≥98.0*	≤2.0*	0.0	0.0	0.0	0.0
	2015-16	53	94.3	5.7	0.0	0.0	.	.
TULARE	2016-17	4,384	97.8	0.6	0.1	0.3	0.0	1.2
	2015-16	4,612	96.7	2.8	0.1	0.5	.	.
TUOLUMNE	2016-17	509	89.2	5.3	1.4	2.8	0.4	1.0
	2015-16	458	80.3	13.3	1.7	4.6	.	.
VENTURA	2016-17	12,104	95.1	1.7	0.4	1.4	0.1	1.3
	2015-16	11,342	87.8	8.6	0.5	3.0	.	.
YOLO	2016-17	3,019	95.1	1.7	0.3	1.0	0.0	1.8
	2015-16	2,904	90.5	6.0	1.0	2.5	.	.
YUBA	2016-17	518	92.9	0.2	0.0	0.6	0.0	6.4
	2015-16	952	87.6	10.7	0.3	1.4	.	.

† Includes students reported as receiving IEP services.

^ Overdue for one or more immunizations.

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care in the 2016-2017 school year. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%, and values of 5% or less are listed as ≤5%; 50-99 enrollees, values of 98% or higher are listed as ≥98%, and values of 2% or less are listed as ≤2%; 100 or more enrollees, values of 99% or higher are listed as ≥99%, and values of 1% or less are listed as ≤1%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017

TABLE 5: NUMBER AND PERCENTAGE OF CHILDREN WITH ALL REQUIRED IMMUNIZATIONS IN 2016-2017 AND 2015-2016, AND 1-YEAR CHANGE, BY COUNTY

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	NUMBER WITH ALL REQUIRED IMMUNIZATIONS	PERCENT	TOTAL CHILDREN	NUMBER WITH ALL REQUIRED IMMUNIZATIONS	PERCENT	PERCENT	NUMBER WITH ALL REQUIRED IMMUNIZATIONS
STATE TOTAL	500,505	475,102	94.9%	484,984	439,119	90.5%	4.4%	35,983
COUNTY								
ALAMEDA	24,428	23,568	96.5%	22,882	21,387	93.5%	3.0%	2,181
ALPINE	8	--*	--*	5	--*	--*	--*	--*
AMADOR	247	222	89.9%	240	188	78.3%	11.5%	34
BUTTE	2,979	2,824	94.8%	2,848	2,412	84.7%	10.1%	412
CALAVERAS	253	229	90.5%	209	188	90.0%	0.6%	41
COLUSA	297	296	99.7%	274	272	99.3%	0.4%	24
CONTRA COSTA	16,469	15,936	96.8%	15,079	13,881	92.1%	4.7%	2,055
DEL NORTE	278	209	75.2%	222	197	88.7%	-13.6%	12
EL DORADO	2,270	2,133	94.0%	2,060	1,863	90.4%	3.5%	270
FRESNO	15,125	14,552	96.2%	14,932	14,145	94.7%	1.5%	407
GLENN	259	251	96.9%	264	258	97.7%	-0.8%	-7
HUMBOLDT	1,662	1,394	83.9%	1,570	1,145	72.9%	10.9%	249
IMPERIAL	2,446	2,395	97.9%	2,210	2,117	95.8%	2.1%	278
INYO	205	190	92.7%	189	171	90.5%	2.2%	19
KERN	10,489	10,068	96.0%	9,492	8,604	90.6%	5.3%	1,464
KINGS	1,971	1,910	96.9%	1,851	1,633	88.2%	8.7%	277
LAKE	602	584	97.0%	544	452	83.1%	13.9%	132
LASSEN	186	167	89.8%	210	166	79.0%	10.7%	1
LOS ANGELES	115,782	109,031	94.2%	116,481	104,818	90.0%	4.2%	4,213
MADERA	1,588	1,552	97.7%	1,757	1,647	93.7%	4.0%	-95
MARIN	5,151	4,751	92.2%	5,029	4,414	87.8%	4.5%	337
MARIPOSA	86	76	88.4%	81	68	84.0%	4.4%	8
MENDOCINO	983	895	91.0%	1,074	869	80.9%	10.1%	26
MERCED	2,674	2,574	96.3%	3,536	3,349	94.7%	1.5%	-775
MODOC	139	137	98.6%	136	109	80.1%	18.4%	28
MONO	129	118	91.5%	94	70	74.5%	17.0%	48
MONTEREY	5,266	5,084	96.5%	5,303	4,993	94.2%	2.4%	91
NAPA	1,862	1,801	96.7%	1,941	1,803	92.9%	3.8%	-2

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care in the 2016-2017 school year. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%, and values of 5% or less are listed as ≤5%; 50-99 enrollees, values of 98% or higher are listed as ≥98%, and values of 2% or less are listed as ≤2%; 100 or more enrollees, values of 99% or higher are listed as ≥99%, and values of 1% or less are listed as ≤1%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017
 TABLE 5: NUMBER AND PERCENTAGE OF CHILDREN WITH ALL REQUIRED IMMUNIZATIONS IN 2016-2017 AND 2015-2016,
 AND 1-YEAR CHANGE, BY COUNTY

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	NUMBER WITH ALL REQUIRED IMMUNIZATIONS	PERCENT	TOTAL CHILDREN	NUMBER WITH ALL REQUIRED IMMUNIZATIONS	PERCENT	PERCENT	NUMBER WITH ALL REQUIRED IMMUNIZATIONS
STATE TOTAL	500,505	475,102	94.9%	484,984	439,119	90.5%	4.4%	35,983
COUNTY								
NEVADA	922	783	84.9%	971	750	77.2%	7.7%	33
ORANGE	48,127	45,510	94.6%	44,645	40,032	89.7%	4.9%	5,478
PLACER	4,333	3,911	90.3%	3,890	2,989	76.8%	13.4%	922
PLUMAS	165	140	84.8%	116	92	79.3%	5.5%	48
RIVERSIDE	22,191	21,096	95.1%	21,403	19,559	91.4%	3.7%	1,537
SACRAMENTO	16,015	15,170	94.7%	15,193	13,736	90.4%	4.3%	1,434
SAN BENITO	722	664	92.0%	747	672	90.0%	2.0%	-8
SAN BERNARDINO	24,052	23,331	97.0%	23,130	21,966	95.0%	2.0%	1,365
SAN DIEGO	46,578	43,930	94.3%	45,046	40,763	90.5%	3.8%	3,167
SAN FRANCISCO	12,812	12,189	95.1%	12,586	11,549	91.8%	3.4%	640
SAN JOAQUIN	9,668	9,265	95.8%	7,746	7,026	90.7%	5.1%	2,239
SAN LUIS OBISPO	3,223	2,999	93.0%	2,922	2,569	87.9%	5.1%	430
SAN MATEO	13,824	13,422	97.1%	13,109	12,319	94.0%	3.1%	1,103
SANTA BARBARA	6,016	5,694	94.6%	5,758	5,131	89.1%	5.5%	563
SANTA CLARA	33,363	32,012	96.0%	33,165	29,493	88.9%	7.0%	2,519
SANTA CRUZ	3,460	3,109	89.9%	3,182	2,620	82.3%	7.5%	489
SHASTA	2,275	2,064	90.7%	2,284	1,904	83.4%	7.4%	160
SIERRA	31	--*	≥95%	27	24	88.9%	--*	--*
SISKIYOU	436	398	91.3%	515	396	76.9%	14.4%	2
SOLANO	3,081	2,934	95.2%	2,702	2,493	92.3%	3.0%	441
SONOMA	5,982	5,519	92.3%	5,749	4,963	86.3%	5.9%	556
STANISLAUS	6,499	6,221	95.7%	7,185	6,626	92.2%	3.5%	-405
SUTTER	1,529	1,443	94.4%	1,277	1,175	92.0%	2.4%	268
TEHAMA	783	752	96.0%	802	754	94.0%	2.0%	-2
TRINITY	50	--*	≥98%	53	50	94.3%	--*	--*
TULARE	4,384	4,287	97.8%	4,612	4,458	96.7%	1.1%	-171
TUOLUMNE	509	454	89.2%	458	368	80.3%	8.8%	86
VENTURA	12,104	11,505	95.1%	11,342	9,962	87.8%	7.2%	1,543
YOLO	3,019	2,872	95.1%	2,904	2,627	90.5%	4.7%	245
YUBA	518	481	92.9%	952	834	87.6%	5.3%	-353

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care in the 2016-2017 school year. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%, and values of 5% or less are listed as ≤5%; 50-99 enrollees, values of 98% or higher are listed as ≥98%, and values of 2% or less are listed as ≤2%; 100 or more enrollees, values of 99% or higher are listed as ≥99%, and values of 1% or less are listed as ≤1%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017
 TABLE 6: NUMBER AND PERCENTAGE OF CONDITIONAL ENTRANTS IN 2016-2017 AND 2015-2016,
 AND 1-YEAR CHANGE, BY COUNTY

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL	CONDITIONAL ENTRANTS	PERCENT	TOTAL	CONDITIONALS	PERCENT	PERCENT	CONDITIONAL ENTRANTS
STATE TOTAL	500,505	9,040	1.8%	484,979	32,338	6.7%	-4.9%	-23,298
COUNTY								
ALAMEDA	24,428	257	1.1%	22,882	959	4.2%	-3.1%	-702
ALPINE	8	--*	--*	5	--*	--*	--*	--*
AMADOR	247	12	4.9%	240	39	16.3%	-11.4%	-27
BUTTE	2,979	58	1.9%	2,848	291	10.2%	-8.3%	-233
CALAVERAS	253	13	5.1%	209	15	7.2%	-2.0%	-2
COLUSA	297	1	0.3%	274	2	0.7%	-0.4%	-1
CONTRA COSTA	16,469	214	1.3%	15,079	857	5.7%	-4.4%	-643
DEL NORTE	278	48	17.3%	222	17	7.7%	9.6%	31
EL DORADO	2,270	54	2.4%	2,060	91	4.4%	-2.0%	-37
FRESNO	15,125	248	1.6%	14,932	657	4.4%	-2.8%	-409
GLENN	259	6	2.3%	264	4	1.5%	0.8%	2
HUMBOLDT	1,662	65	3.9%	1,570	246	15.7%	-11.8%	-181
IMPERIAL	2,446	31	1.3%	2,210	72	3.3%	-2.0%	-41
INYO	205	8	3.9%	189	11	5.8%	-1.9%	-3
KERN	10,489	195	1.9%	9,492	610	6.4%	-4.6%	-415
KINGS	1,971	20	1.0%	1,851	206	11.1%	-10.1%	-186
LAKE	602	4	0.7%	544	75	13.8%	-13.1%	-71
LASSEN	186	4	2.2%	210	30	14.3%	-12.1%	-26
LOS ANGELES	115,782	2,511	2.2%	116,481	9,022	7.7%	-5.6%	-6,511
MADERA	1,588	9	0.6%	1,757	96	5.5%	-4.9%	-87
MARIN	5,151	155	3.0%	5,029	303	6.0%	-3.0%	-148
MARIPOSA	86	2	2.3%	81	5	6.2%	-3.8%	-3
MENDOCINO	983	41	4.2%	1,074	123	11.5%	-7.3%	-82
MERCED	2,674	40	1.5%	3,536	169	4.8%	-3.3%	-129
MODOC	139	0	0.0%	136	13	9.6%	-9.6%	-13
MONO	129	2	1.6%	94	13	13.8%	-12.3%	-11
MONTEREY	5,266	75	1.4%	5,303	188	3.5%	-2.1%	-113
NAPA	1,862	11	0.6%	1,941	65	3.3%	-2.8%	-54

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care in the 2016-2017 school year. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%, and values of 5% or less are listed as ≤5%; 50-99 enrollees, values of 98% or higher are listed as ≥98%, and values of 2% or less are listed as ≤2%; 100 or more enrollees, values of 99% or higher are listed as ≥99%, and values of 1% or less are listed as ≤1%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017
 TABLE 6: NUMBER AND PERCENTAGE OF CONDITIONAL ENTRANTS IN 2016-2017 AND 2015-2016,
 AND 1-YEAR CHANGE, BY COUNTY

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL	CONDITIONAL ENTRANTS	PERCENT	TOTAL	CONDITIONALS	PERCENT	PERCENT	CONDITIONAL ENTRANTS
STATE TOTAL	500,505	9,040	1.8%	484,979	32,338	6.7%	-4.9%	-23,298
COUNTY								
NEVADA	922	37	4.0%	971	121	12.5%	-8.4%	-84
ORANGE	48,127	874	1.8%	44,645	2,914	6.5%	-4.7%	-2,040
PLACER	4,333	109	2.5%	3,890	702	18.0%	-15.5%	-593
PLUMAS	165	4	2.4%	116	6	5.2%	-2.7%	-2
RIVERSIDE	22,191	327	1.5%	21,403	1,271	5.9%	-4.5%	-944
SACRAMENTO	16,015	416	2.6%	15,193	1,149	7.6%	-5.0%	-733
SAN BENITO	722	39	5.4%	747	59	7.9%	-2.5%	-20
SAN BERNARDINO	24,052	253	1.1%	23,130	771	3.3%	-2.3%	-518
SAN DIEGO	46,578	955	2.1%	45,046	2,681	6.0%	-3.9%	-1,726
SAN FRANCISCO	12,812	250	2.0%	12,586	779	6.2%	-4.2%	-529
SAN JOAQUIN	9,668	156	1.6%	7,746	621	8.0%	-6.4%	-465
SAN LUIS OBISPO	3,223	66	2.0%	2,922	177	6.1%	-4.0%	-111
SAN MATEO	13,824	117	0.8%	13,109	529	4.0%	-3.2%	-412
SANTA BARBARA	6,016	99	1.6%	5,758	309	5.4%	-3.7%	-210
SANTA CLARA	33,363	416	1.2%	33,165	2,919	8.8%	-7.6%	-2,503
SANTA CRUZ	3,460	119	3.4%	3,182	343	10.8%	-7.3%	-224
SHASTA	2,275	67	2.9%	2,284	229	10.0%	-7.1%	-162
SIERRA	31	--*	≤2%	27	3	11.1%	--*	--*
SISKIYOU	436	8	1.8%	515	52	10.1%	-8.3%	-44
SOLANO	3,081	58	1.9%	2,702	181	6.7%	-4.8%	-123
SONOMA	5,982	143	2.4%	5,749	409	7.1%	-4.7%	-266
STANISLAUS	6,499	98	1.5%	7,185	377	5.2%	-3.7%	-279
SUTTER	1,529	11	0.7%	1,277	85	6.7%	-5.9%	-74
TEHAMA	783	16	2.0%	802	31	3.9%	-1.8%	-15
TRINITY	50	--*	≤5%	53	3	5.7%	--*	--*
TULARE	4,384	27	0.6%	4,612	127	2.8%	-2.1%	-100
TUOLUMNE	509	27	5.3%	458	61	13.3%	-8.0%	-34
VENTURA	12,104	211	1.7%	11,342	974	8.6%	-6.8%	-763
YOLO	3,019	52	1.7%	2,904	174	6.0%	-4.3%	-122
YUBA	518	1	0.2%	952	102	10.7%	-10.5%	-101

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care in the 2016-2017 school year. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%, and values of 5% or less are listed as ≤5%; 50-99 enrollees, values of 98% or higher are listed as ≥98%, and values of 2% or less are listed as ≤2%; 100 or more enrollees, values of 99% or higher are listed as ≥99%, and values of 1% or less are listed as ≤1%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017

TABLE 7: NUMBER AND PERCENTAGE OF CHILDREN WITH A PERMANENT MEDICAL EXEMPTION (PME) IN 2016-2017 AND 2015-2016, AND 1-YEAR CHANGE, BY COUNTY

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	PME	PERCENT	TOTAL CHILDREN	PME	PERCENT	PERCENT	NUMBER PME
STATE TOTAL	500,505	1,756	0.4%	484,984	2,331	0.5%	-0.1%	-575
COUNTY								
ALAMEDA	24,428	43	0.2%	22,882	95	0.4%	-0.2%	-52
ALPINE	8	--*	--*	5	--*	--*	--*	--*
AMADOR	247	1	0.4%	240	2	0.8%	-0.4%	-1
BUTTE	2,979	10	0.3%	2,848	31	1.1%	-0.8%	-21
CALAVERAS	253	5	2.0%	209	0	0.0%	2.0%	5
COLUSA	297	0	0.0%	274	0	0.0%	0.0%	0
CONTRA COSTA	16,469	39	0.2%	15,079	55	0.4%	-0.1%	-16
DEL NORTE	278	0	0.0%	222	2	0.9%	-0.9%	-2
EL DORADO	2,270	21	0.9%	2,060	20	1.0%	0.0%	1
FRESNO	15,125	13	0.1%	14,932	31	0.2%	-0.1%	-18
GLENN	259	0	0.0%	264	0	0.0%	0.0%	0
HUMBOLDT	1,662	13	0.8%	1,570	5	0.3%	0.5%	8
IMPERIAL	2,446	1	0.0%	2,210	12	0.5%	-0.5%	-11
INYO	205	1	0.5%	189	2	1.1%	-0.6%	-1
KERN	10,489	19	0.2%	9,492	39	0.4%	-0.2%	-20
KINGS	1,971	0	0.0%	1,851	4	0.2%	-0.2%	-4
LAKE	602	4	0.7%	544	4	0.7%	-0.1%	0
LASSEN	186	0	0.0%	210	6	2.9%	-2.9%	-6
LOS ANGELES	115,782	360	0.3%	116,481	410	0.4%	0.0%	-50
MADERA	1,588	2	0.1%	1,757	1	0.1%	0.1%	1
MARIN	5,151	33	0.6%	5,029	39	0.8%	-0.1%	-6
MARIPOSA	86	0	0.0%	81	1	1.2%	-1.2%	-1
MENDOCINO	983	7	0.7%	1,074	19	1.8%	-1.1%	-12
MERCED	2,674	0	0.0%	3,536	5	0.1%	-0.1%	-5
MODOC	139	0	0.0%	136	1	0.7%	-0.7%	-1
MONO	129	0	0.0%	94	0	0.0%	0.0%	0
MONTEREY	5,266	20	0.4%	5,303	29	0.5%	-0.2%	-9
NAPA	1,862	10	0.5%	1,941	6	0.3%	0.2%	4

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care in the 2016-2017 school year. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%, and values of 5% or less are listed as ≤5%; 50-99 enrollees, values of 98% or higher are listed as ≥98%, and values of 2% or less are listed as ≤2%; 100 or more enrollees, values of 99% or higher are listed as ≥99%, and values of 1% or less are listed as ≤1%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017

TABLE 7: NUMBER AND PERCENTAGE OF CHILDREN WITH A PERMANENT MEDICAL EXEMPTION (PME) IN 2016-2017 AND 2015-2016, AND 1-YEAR CHANGE, BY COUNTY

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	PME	PERCENT	TOTAL CHILDREN	PME	PERCENT	PERCENT	NUMBER PME
STATE TOTAL	500,505	1,756	0.4%	484,984	2,331	0.5%	-0.1%	-575
COUNTY								
NEVADA	922	11	1.2%	971	10	1.0%	0.2%	1
ORANGE	48,127	248	0.5%	44,645	317	0.7%	-0.2%	-69
PLACER	4,333	44	1.0%	3,890	29	0.7%	0.3%	15
PLUMAS	165	1	0.6%	116	7	6.0%	-5.4%	-6
RIVERSIDE	22,191	78	0.4%	21,403	126	0.6%	-0.2%	-48
SACRAMENTO	16,015	30	0.2%	15,193	32	0.2%	0.0%	-2
SAN BENITO	722	4	0.6%	747	3	0.4%	0.2%	1
SAN BERNARDINO	24,052	30	0.1%	23,130	64	0.3%	-0.2%	-34
SAN DIEGO	46,578	272	0.6%	45,046	261	0.6%	0.0%	11
SAN FRANCISCO	12,812	36	0.3%	12,586	35	0.3%	0.0%	1
SAN JOAQUIN	9,668	21	0.2%	7,746	25	0.3%	-0.1%	-4
SAN LUIS OBISPO	3,223	14	0.4%	2,922	30	1.0%	-0.6%	-16
SAN MATEO	13,824	24	0.2%	13,109	32	0.2%	-0.1%	-8
SANTA BARBARA	6,016	20	0.3%	5,758	63	1.1%	-0.8%	-43
SANTA CLARA	33,363	105	0.3%	33,165	192	0.6%	-0.3%	-87
SANTA CRUZ	3,460	39	1.1%	3,182	36	1.1%	0.0%	3
SHASTA	2,275	15	0.7%	2,284	11	0.5%	0.2%	4
SIERRA	31	0	0.0%	27	0	0.0%	0.0%	0
SISKIYOU	436	1	0.2%	515	12	2.3%	-2.1%	-11
SOLANO	3,081	8	0.3%	2,702	3	0.1%	0.1%	5
SONOMA	5,982	48	0.8%	5,749	74	1.3%	-0.5%	-26
STANISLAUS	6,499	25	0.4%	7,185	40	0.6%	-0.2%	-15
SUTTER	1,529	4	0.3%	1,277	4	0.3%	-0.1%	0
TEHAMA	783	2	0.3%	802	1	0.1%	0.1%	1
TRINITY	50	0	0.0%	53	0	0.0%	0.0%	0
TULARE	4,384	4	0.1%	4,612	3	0.1%	0.0%	1
TUOLUMNE	509	7	1.4%	458	8	1.7%	-0.4%	-1
VENTURA	12,104	53	0.4%	11,342	61	0.5%	-0.1%	-8
YOLO	3,019	10	0.3%	2,904	30	1.0%	-0.7%	-20
YUBA	518	0	0.0%	952	3	0.3%	-0.3%	-3

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care in the 2016-2017 school year. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%, and values of 5% or less are listed as ≤5%; 50-99 enrollees, values of 98% or higher are listed as ≥98%, and values of 2% or less are listed as ≤2%; 100 or more enrollees, values of 99% or higher are listed as ≥99%, and values of 1% or less are listed as ≤1%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017
 TABLE 8: NUMBER AND PERCENTAGE OF CHILDREN WITH A PERSONAL BELIEFS EXEMPTION (PBE) IN 2016-2017 AND 2015-2016,
 AND 1-YEAR CHANGE, BY COUNTY

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	PBE	PERCENT	TOTAL CHILDREN	PBE	PERCENT	PERCENT	NUMBER PBE
STATE TOTAL	500,505	5,227	1.0%	484,979	11,191	2.3%	-1.3%	-5,964
COUNTY								
ALAMEDA	24,428	188	0.8%	22,882	441	1.9%	-1.2%	-253
ALPINE	8	--*	--*	5	--*	--*	--*	--*
AMADOR	247	5	2.0%	240	11	4.6%	-2.6%	-6
BUTTE	2,979	33	1.1%	2,848	114	4.0%	-2.9%	-81
CALAVERAS	253	5	2.0%	209	6	2.9%	-0.9%	-1
COLUSA	297	0	0.0%	274	0	0.0%	0.0%	0
CONTRA COSTA	16,469	120	0.7%	15,079	286	1.9%	-1.2%	-166
DEL NORTE	278	4	1.4%	222	6	2.7%	-1.3%	-2
EL DORADO	2,270	39	1.7%	2,060	86	4.2%	-2.5%	-47
FRESNO	15,125	33	0.2%	14,932	99	0.7%	-0.4%	-66
GLENN	259	2	0.8%	264	2	0.8%	0.0%	0
HUMBOLDT	1,662	119	7.2%	1,570	174	11.1%	-3.9%	-55
IMPERIAL	2,446	1	0.0%	2,210	9	0.4%	-0.4%	-8
INYO	205	2	1.0%	189	5	2.6%	-1.7%	-3
KERN	10,489	74	0.7%	9,492	239	2.5%	-1.8%	-165
KINGS	1,971	2	0.1%	1,851	8	0.4%	-0.3%	-6
LAKE	602	7	1.2%	544	13	2.4%	-1.2%	-6
LASSEN	186	2	1.1%	210	8	3.8%	-2.7%	-6
LOS ANGELES	115,782	1,088	0.9%	116,481	2,231	1.9%	-1.0%	-1,143
MADERA	1,588	0	0.0%	1,757	13	0.7%	-0.7%	-13
MARIN	5,151	128	2.5%	5,029	273	5.4%	-2.9%	-145
MARIPOSA	86	4	4.7%	81	7	8.6%	-4.0%	-3
MENDOCINO	983	24	2.4%	1,074	63	5.9%	-3.4%	-39
MERCED	2,674	3	0.1%	3,536	13	0.4%	-0.3%	-10
MODOC	139	1	0.7%	136	13	9.6%	-8.8%	-12
MONO	129	6	4.7%	94	11	11.7%	-7.1%	-5
MONTEREY	5,266	37	0.7%	5,303	93	1.8%	-1.1%	-56
NAPA	1,862	35	1.9%	1,941	67	3.5%	-1.6%	-32

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care in the 2016-2017 school year. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%, and values of 5% or less are listed as ≤5%; 50-99 enrollees, values of 98% or higher are listed as ≥98%, and values of 2% or less are listed as ≤2%; 100 or more enrollees, values of 99% or higher are listed as ≥99%, and values of 1% or less are listed as ≤1%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017
 TABLE 8: NUMBER AND PERCENTAGE OF CHILDREN WITH A PERSONAL BELIEFS EXEMPTION (PBE) IN 2016-2017 AND 2015-2016,
 AND 1-YEAR CHANGE, BY COUNTY

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	PBE	PERCENT	TOTAL CHILDREN	PBE	PERCENT	PERCENT	NUMBER PBE
STATE TOTAL	500,505	5,227	1.0%	484,979	11,191	2.3%	-1.3%	-5,964
COUNTY								
NEVADA	922	59	6.4%	971	90	9.3%	-2.9%	-31
ORANGE	48,127	745	1.5%	44,645	1,382	3.1%	-1.5%	-637
PLACER	4,333	91	2.1%	3,890	170	4.4%	-2.3%	-79
PLUMAS	165	9	5.5%	116	11	9.5%	-4.0%	-2
RIVERSIDE	22,191	142	0.6%	21,403	447	2.1%	-1.4%	-305
SACRAMENTO	16,015	101	0.6%	15,193	276	1.8%	-1.2%	-175
SAN BENITO	722	2	0.3%	747	13	1.7%	-1.5%	-11
SAN BERNARDINO	24,052	113	0.5%	23,130	329	1.4%	-1.0%	-216
SAN DIEGO	46,578	665	1.4%	45,046	1,341	3.0%	-1.5%	-676
SAN FRANCISCO	12,812	99	0.8%	12,586	223	1.8%	-1.0%	-124
SAN JOAQUIN	9,668	28	0.3%	7,746	74	1.0%	-0.7%	-46
SAN LUIS OBISPO	3,223	71	2.2%	2,922	146	5.0%	-2.8%	-75
SAN MATEO	13,824	116	0.8%	13,109	229	1.7%	-0.9%	-113
SANTA BARBARA	6,016	159	2.6%	5,758	255	4.4%	-1.8%	-96
SANTA CLARA	33,363	247	0.7%	33,165	561	1.7%	-1.0%	-314
SANTA CRUZ	3,460	117	3.4%	3,182	183	5.8%	-2.4%	-66
SHASTA	2,275	65	2.9%	2,284	140	6.1%	-3.3%	-75
SIERRA	31	0	0.0%	27	0	0.0%	0.0%	0
SISKIYOU	436	15	3.4%	515	55	10.7%	-7.2%	-40
SOLANO	3,081	14	0.5%	2,702	25	0.9%	-0.5%	-11
SONOMA	5,982	143	2.4%	5,749	303	5.3%	-2.9%	-160
STANISLAUS	6,499	29	0.4%	7,185	142	2.0%	-1.5%	-113
SUTTER	1,529	2	0.1%	1,277	13	1.0%	-0.9%	-11
TEHAMA	783	6	0.8%	802	16	2.0%	-1.2%	-10
TRINITY	50	0	0.0%	53	0	0.0%	0.0%	0
TULARE	4,384	13	0.3%	4,612	24	0.5%	-0.2%	-11
TUOLUMNE	509	14	2.8%	458	21	4.6%	-1.8%	-7
VENTURA	12,104	168	1.4%	11,342	345	3.0%	-1.7%	-177
YOLO	3,019	29	1.0%	2,904	73	2.5%	-1.6%	-44
YUBA	518	3	0.6%	952	13	1.4%	-0.8%	-10

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care in the 2016-2017 school year. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%, and values of 5% or less are listed as ≤5%; 50-99 enrollees, values of 98% or higher are listed as ≥98%, and values of 2% or less are listed as ≤2%; 100 or more enrollees, values of 99% or higher are listed as ≥99%, and values of 1% or less are listed as ≤1%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017
 TABLE 9: NUMBER AND PERCENTAGE OF CHILDREN WITH REQUIRED IMMUNIZATIONS BY VACCINE SERIES,
 BY COUNTY

	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	500,505	486,583	97.2%	489,285	97.8%	491,027	98.1%	490,954	98.1%	486,231	97.1%	489,633	97.8%
COUNTY													
ALAMEDA	24,428	23,950	98.0%	24,010	98.3%	24,143	98.8%	24,127	98.8%	23,944	98.0%	24,047	98.4%
ALPINE	8	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*
AMADOR	247	236	95.5%	233	94.3%	236	95.5%	237	96.0%	232	93.9%	234	94.7%
BUTTE	2,979	2,905	97.5%	2,923	98.1%	2,924	98.2%	2,930	98.4%	2,904	97.5%	2,923	98.1%
CALAVERAS	253	232	91.7%	237	93.7%	243	96.0%	246	97.2%	238	94.1%	243	96.0%
COLUSA	297	296	99.7%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%
CONTRA COSTA	16,469	16,179	98.2%	16,245	98.6%	16,288	98.9%	16,256	98.7%	16,156	98.1%	16,255	98.7%
DEL NORTE	278	235	84.5%	251	90.3%	256	92.1%	268	96.4%	244	87.8%	253	91.0%
EL DORADO	2,270	2,177	95.9%	2,180	96.0%	2,199	96.9%	2,210	97.4%	2,178	95.9%	2,196	96.7%
FRESNO	15,125	14,731	97.4%	14,928	98.7%	14,973	99.0%	14,954	98.9%	14,897	98.5%	14,937	98.8%
GLENN	259	251	96.9%	253	97.7%	256	98.8%	256	98.8%	256	98.8%	256	98.8%
HUMBOLDT	1,662	1,533	92.2%	1,522	91.6%	1,538	92.5%	1,539	92.6%	1,470	88.4%	1,518	91.3%
IMPERIAL	2,446	2,412	98.6%	2,435	99.6%	2,441	99.8%	2,433	99.5%	2,427	99.2%	2,441	99.8%
INYO	205	198	96.6%	200	97.6%	203	99.0%	203	99.0%	192	93.7%	199	97.1%
KERN	10,489	10,220	97.4%	10,364	98.8%	10,382	99.0%	10,415	99.3%	10,335	98.5%	10,359	98.8%
KINGS	1,971	1,941	98.5%	1,960	99.4%	1,968	99.8%	1,962	99.5%	1,956	99.2%	1,961	99.5%
LAKE	602	586	97.3%	587	97.5%	590	98.0%	589	97.8%	586	97.3%	591	98.2%
LASSEN	186	173	93.0%	180	96.8%	181	97.3%	173	93.0%	179	96.2%	182	97.8%
LOS ANGELES	115,782	112,226	96.9%	112,943	97.5%	113,478	98.0%	113,350	97.9%	112,393	97.1%	113,236	97.8%
MADERA	1,588	1,562	98.4%	1,575	99.2%	1,578	99.4%	1,582	99.6%	1,568	98.7%	1,577	99.3%
MARIN	5,151	4,989	96.9%	4,962	96.3%	5,024	97.5%	5,031	97.7%	4,861	94.4%	4,984	96.8%
MARIPOSA	86	80	93.0%	80	93.0%	83	96.5%	82	95.3%	80	93.0%	81	94.2%
MENDOCINO	983	934	95.0%	946	96.2%	955	97.2%	956	97.3%	927	94.3%	938	95.4%
MERCED	2,674	2,594	97.0%	2,637	98.6%	2,650	99.1%	2,651	99.1%	2,639	98.7%	2,649	99.1%
MODOC	139	137	98.6%	138	99.3%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%
MONO	129	123	95.3%	124	96.1%	125	96.9%	124	96.1%	120	93.0%	124	96.1%
MONTEREY	5,266	5,165	98.1%	5,182	98.4%	5,192	98.6%	5,190	98.6%	5,155	97.9%	5,191	98.6%
NAPA	1,862	1,819	97.7%	1,824	98.0%	1,826	98.1%	1,825	98.0%	1,811	97.3%	1,822	97.9%

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care in the 2016-2017 school year. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%, and values of 5% or less are listed as ≤5%; 50-99 enrollees, values of 98% or higher are listed as ≥98%, and values of 2% or less are listed as ≤2%; 100 or more enrollees, values of 99% or higher are listed as ≥99%, and values of 1% or less are listed as ≤1%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017
 TABLE 9: NUMBER AND PERCENTAGE OF CHILDREN WITH REQUIRED IMMUNIZATIONS BY VACCINE SERIES,
 BY COUNTY

	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	500,505	486,583	97.2%	489,285	97.8%	491,027	98.1%	490,954	98.1%	486,231	97.1%	489,633	97.8%
COUNTY													
NEVADA	922	825	89.5%	842	91.3%	834	90.5%	853	92.5%	834	90.5%	832	90.2%
ORANGE	48,127	46,763	97.2%	46,924	97.5%	47,088	97.8%	47,240	98.2%	46,536	96.7%	46,927	97.5%
PLACER	4,333	4,083	94.2%	4,132	95.4%	4,139	95.5%	4,163	96.1%	4,083	94.2%	4,115	95.0%
PLUMAS	165	146	88.5%	146	88.5%	149	90.3%	148	89.7%	148	89.7%	150	90.9%
RIVERSIDE	22,191	21,531	97.0%	21,723	97.9%	21,821	98.3%	21,784	98.2%	21,691	97.7%	21,797	98.2%
SACRAMENTO	16,015	15,502	96.8%	15,709	98.1%	15,749	98.3%	15,744	98.3%	15,671	97.9%	15,716	98.1%
SAN BENITO	722	685	94.9%	686	95.0%	690	95.6%	712	98.6%	710	98.3%	715	99.0%
SAN BERNARDINO	24,052	23,644	98.3%	23,778	98.9%	23,817	99.0%	23,808	99.0%	23,743	98.7%	23,824	99.1%
SAN DIEGO	46,578	45,143	96.9%	45,388	97.4%	45,503	97.7%	45,565	97.8%	45,035	96.7%	45,382	97.4%
SAN FRANCISCO	12,812	12,490	97.5%	12,602	98.4%	12,618	98.5%	12,611	98.4%	12,462	97.3%	12,574	98.1%
SAN JOAQUIN	9,668	9,412	97.4%	9,512	98.4%	9,524	98.5%	9,506	98.3%	9,488	98.1%	9,508	98.3%
SAN LUIS OBISPO	3,223	3,117	96.7%	3,111	96.5%	3,149	97.7%	3,157	98.0%	3,082	95.6%	3,133	97.2%
SAN MATEO	13,824	13,628	98.6%	13,644	98.7%	13,684	99.0%	13,691	99.0%	13,553	98.0%	13,626	98.6%
SANTA BARBARA	6,016	5,861	97.4%	5,865	97.5%	5,913	98.3%	5,907	98.2%	5,775	96.0%	5,864	97.5%
SANTA CLARA	33,363	32,667	97.9%	32,853	98.5%	32,899	98.6%	32,883	98.6%	32,582	97.7%	32,795	98.3%
SANTA CRUZ	3,460	3,297	95.3%	3,293	95.2%	3,337	96.4%	3,339	96.5%	3,223	93.2%	3,300	95.4%
SHASTA	2,275	2,136	93.9%	2,176	95.6%	2,195	96.5%	2,184	96.0%	2,154	94.7%	2,184	96.0%
SIERRA	31	--*	≥95.0%	--*	≥95.0%	--*	≥95.0%	--*	≥95.0%	--*	≥95.0%	--*	≥95.0%
SISKIYOU	436	416	95.4%	414	95.0%	417	95.6%	421	96.6%	410	94.0%	412	94.5%
SOLANO	3,081	2,982	96.8%	3,016	97.9%	3,036	98.5%	3,015	97.9%	2,996	97.2%	3,030	98.3%
SONOMA	5,982	5,742	96.0%	5,756	96.2%	5,817	97.2%	5,789	96.8%	5,652	94.5%	5,768	96.4%
STANISLAUS	6,499	6,353	97.8%	6,407	98.6%	6,429	98.9%	6,405	98.6%	6,398	98.4%	6,406	98.6%
SUTTER	1,529	1,479	96.7%	1,485	97.1%	1,470	96.1%	1,489	97.4%	1,485	97.1%	1,465	95.8%
TEHAMA	783	761	97.2%	766	97.8%	777	99.2%	773	98.7%	761	97.2%	770	98.3%
TRINITY	50	--*	≥98.0%	--*	≥98.0%	--*	≥98.0%	--*	≥98.0%	--*	≥98.0%	--*	≥98.0%
TULARE	4,384	4,334	98.9%	4,365	99.6%	4,368	99.6%	4,354	99.3%	4,352	99.3%	4,365	99.6%
TUOLUMNE	509	473	92.9%	484	95.1%	486	95.5%	487	95.7%	480	94.3%	481	94.5%
VENTURA	12,104	11,766	97.2%	11,811	97.6%	11,888	98.2%	11,847	97.9%	11,742	97.0%	11,820	97.7%
YOLO	3,019	2,952	97.8%	2,968	98.3%	2,989	99.0%	2,980	98.7%	2,928	97.0%	2,968	98.3%
YUBA	518	511	98.6%	510	98.5%	509	98.3%	510	98.5%	509	98.3%	509	98.3%

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