

2017-2018 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 obliged 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 requirements for exemptions to required immunizations based on personal beliefs. 2017-2018 is the second full school year that entrants have been subject to Senate Bill (SB) 277, which no longer permits them to receive such personal beliefs exemptions (PBEs). Beginning in the 2015-2016 school year, many public health departments in California have increased their assistance to facilities in implementing immunization requirements.

The proportion of children attending child care facilities in 2017-2018 reported to have received all required vaccines was 95.6%, a 0.6 percentage point increase from the 2016-2017 school year and a 6.2 percentage point increase over the three years since 2014-2015. The 2017-2018 rate of 95.6% 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 increased between 0.1 percentage points for Measles, Mumps and Rubella (MMR) vaccine to 0.5 percentage points for Hepatitis B vaccine. Three (5%) counties reported fewer than 95% of their children as having had one or more doses of MMR vaccine, compared to 4 (7%) in 2016-2017 and 17 (29%) counties in 2015-2016.

The proportion of children reported as conditional entrants declined from 1.8% in 2016-17 to 1.7% in 2017-2018, a 0.1 percentage point decrease over one year and a 5.7 percentage point decrease over the three years since 2014-2015. The present rate of 1.7% is the lowest reported for the current set of immunization requirements to attend child care.

The proportion of children reported with PBEs decreased in 2017-2018 from 1.0% to 0.4%. Under SB 277, PBEs remained valid for children who entered child care before 2016 and continued in child care during 2017-2018. 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.

Compared to 2016-2017, in 2017-2018 the proportion of children reported as:

- Having permanent medical exemptions increased from 0.4% to 0.6%.
- Lacking immunizations for other reasons specified under SB 277, specifically, receipt of services in an individualized education program, remained at 0.1%.
- Being overdue for required immunizations decreased from 1.8% to 1.7%.

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.

2017-2018 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 2017-2018 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. 2017-2018 was the second full school year that entrants were subject to [Senate Bill \(SB\) 277](#), which no longer permitted them to receive such personal beliefs exemptions (PBEs).

Starting in the 2015-2016 school year, many public health departments in California have worked with facilities to improve their application of the [Conditional Admission Immunization Schedule](#) for the conditional admission of eligible children.

Methods

During the autumn of 2017, California child care facilities registered with the Department of Social Services, Community Care Licensing Division and the California Department of Education reported to the California Department of Public Health (CDPH) data on children 2 through 5 years of age enrolled in the 2017-2018 school year. 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) vaccine
 - 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 2017-2018 school year. Under SB 277, since 2016 PBEs have no longer been an option for children entering child care.
- Other children lacking immunizations. 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 PME's 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 since the 2016-2017 school year.

Due to rounding, total figures may differ from the sums of their components. Differences were calculated between exact figures, potentially varying at times by 0.1% from the differences between rounded figures.

Results

The number of children enrolled in licensed child care facilities in California whose immunization status was reported increased by 4.9 percentage points from 500,505 in the 2016-2017 school year to 525,186 in the 2017-2018 (Table 1). The number of facilities that reported increased by 6.6 percentage points from 9,398 in 2016-2017 to 10,019 in 2017-2018, and the number that did not report decreased from 1,299 in 2016-2017 to 558 in 2017-2018 (Tables 1 and 2). For the three major categories of facilities, the number that reported of:

- Head Start facilities increased from 1,359 to 1,391.
- Public facilities increased from 2,758 to 2,813.
- Private facilities increased from 5,281 to 5,815.

The largest increases were reported in private facilities, which accounted for 61% (319,864/525,186) of all children about whom data were reported in 2017-2018 and 58% (5,815/10,019) 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; PME's; PBE's; 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 525,186 children whose facilities reported their status, 501,975 (95.6%) had received all required immunizations, an increase from the previous school year of 0.6 percentage points (Table 1) and an increase over three school years of 6.2 percentage points (Figures 1, 6). Compared to the 2016-2017 school year, the percentage of students with all required immunizations increased by at least 1% in 22 (38%) of 58 counties and decreased by at least 1% in 6 (10%) counties (Table 5). For counties reporting at least 50 children, the highest rates of at least 98% were reported in Mono, Glenn, Imperial, and Colusa counties (Tables 3-5). In 2017-2018, 6 (10%) of 58 counties in California reported fewer than 90% of their children as having received all required vaccines, compared to 9 (16%) counties in 2016-2017 (Tables 4 and 5, Figure 10) and 28 (48%) counties in 2015-2016.

As in past years, the highest proportion of children reported as having had all required immunizations attended Head Start facilities (98.2%), compared to public (95.7%) and private (95.0%) facilities. However, the disparities between these categories have continued to narrow. In 2017-2018 the rates rose over one year by 0.9 percentage points (from 94.1% to 95.0%) in

private facilities, 0.2 percentage points (from 95.5% to 95.7%) in public facilities, and 0.5 percentage points (from 97.7% to 98.2%) in Head Start facilities (Table 1, Figures 1 and 7-9).

The effects of increased reporting were examined. For facilities that reported both in 2016-2017 and 2017-2018, 95.7% of children are classified as having received all required vaccines, compared to 94.1% of children at schools that reported in 2017-2018 but not in 2016-2017.

Specific immunizations: Completion rates for specific immunizations varied between 97.4% for DTP vaccine and 98.4% for Hib vaccine (Tables 1 and 11, Figure 5). Completion rates for specific immunizations increased between 0.1 percentage points for MMR to 0.5 percentage points for Hep B (Tables 1 and 9, Figure 5). Rates of receipt continue to be higher in Head Start facilities; for MMR, 99.6% of children at Head Start facilities, 98.7% at public facilities, and 97.8% at private facilities were reported as having received at least one dose, similar to rates in these settings for 2016-2017. In 2017-2018, 3 (5%) counties reported fewer than 95% of their children as having had one dose of MMR (Table 11, Figure 11), compared to 4 (7%) in 2016-2017 and 17 (29%) counties in 2015-2016.

Conditional entrants: Over the last three school years, the proportion of children reported as conditional entrants decreased from 7.4% in 2014-2015 to 1.7% in 2017-2018 (Table 1, Figures 2 and 6). Compared to the 2016-2017 school year, the proportion of conditional entrants in 2017-2018 decreased by 0.1 percentage points. The rate of conditional entrants decreased in the categories of private (-0.2 percentage points) and Head Start (-0.4 percentage points) facilities but increased in public (+0.3 percentage points) facilities (Table 1).

Of 58 counties, 30 (52%) reported overall reductions in conditional entrants, with the largest reductions in counties with more than 50 enrolled children reported for Del Norte (-15.3 percentage points), Amador, and Glenn (-2.3 percentage points each) counties (Table 6). Of the 1.7% of children reported as conditional entrants in 2017-2018, 0.3% were reported as having had a temporary medical exemption, compared to 0.2% in 2016-2017.

PMEs: The percentage of children with PMEs increased from 0.4% in 2016-2017 to 0.6% in 2017-2018 (Tables 1 and 7, Figure 3), primarily reflecting an increase from 1,505 (0.5%) to 2,620 (0.8%) in the number of children with PMEs at private facilities (Figures 3 and 8). The proportion of children with PMEs in public (0.2%) and Head Start (0.1%) facilities were similar to 2016-2017 (Figures 3, 7 and 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 2017-2018 was 0.4%, compared to 1.0% in 2016-2017, 2.3% in 2015-2016 and 2.9% 2013-2014 (Figures 4 and 6, Table 8). In 2017-2018 PBE rates declined over one year by 1.0 percentage point (from 1.5% to 0.5%) in private facilities, 0.3 percentage points (from 0.4% to 0.1%) in public facilities, and 0.2 percentage points (from 0.2% to 0.0%) in Head Start facilities (Table 1, Figures 7-9). The rates of PBEs continue to vary by county, within a range of 0.0%-4.4% (Table 8).

Other children lacking required immunizations: The proportion of children reported to be lacking one or more required immunizations and to receive services specified in an IEP remained at 0.1% in 2017-2018 (Tables 1, 3, and 9, Figure 6).

Overdue: The percentage of children reported as being overdue for one or more immunizations declined from 1.8% in 2016-2017 to 1.7% in 2017-2018 (Tables 1, 3 and 10, Figure 6), reflecting

decreases in public (from 2.2% to 1.9%) and private (from 1.9% to 1.8%) but not in Head Start (from 0.6% to 0.7%) facilities (Tables 1 and 10, 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 0.4 percentage points (difference of unrounded values) from 98.5% in 2016-2017 to 99.0% in 2017-2018.

Conversely the sum of children reported as not having to receive all required immunizations because of PMEs, PBEs, or for other criteria specified in SB 277, decreased by 0.4 percentage points (difference of unrounded values) from 1.5% in 2016-2017 to 1.0% in 2017-2018; the combined rate decreased from 2.0% to 1.4% for private facilities, from 0.8% to 0.6% for public facilities, and from 0.3% to 0.1% in Head Start facilities.

Discussion

In comparing the 2017-2018 school year to 2016-2017, the proportion of children reported to enter child care in California after receiving all required immunizations increased by 0.6 percentage points to 95.6%, following an increase by 5.5 percentage points between the 2014-2015 and 2016-2017 school years. The 2017-2018 rate of 95.6% is the highest reported to CDPH since varicella vaccine became the most recent addition to the immunizations required for children in the 2001-2002 school year. The number of children (525,186) whose status was reported in 2017-2018 is also the largest during this era.

The 6.2 percentage point increase in the receipt of all required vaccines since 2014-2015 is similar in magnitude to a 5.7 percentage point decrease in children reported as conditional entrants, including a further decrease by 0.1 percentage points in between 2016-2017 and 2017-2018. The current reported rate of conditional entrants, 1.7%, 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 1.7% of entrants reported as overdue in 2017-2018. Many facilities that in the 2017-2018 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

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

categories account for 3.4% of children reported in 2017-2018, compared to 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 2017-2018 has decreased to 0.4%. As children currently in child care advance to kindergarten, the proportion of children with PBEs is expected to decrease to zero. In 2017-2018, 0.6% 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 1.0% in 2017-2018. Future assessments will follow the trends for these measurements as children no longer qualify for PBEs.

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 2017-2018, 6 (10%) of 58 counties in California reported rates of children with all required vaccines that are below 90% (Figure 10), compared to 9 (16%) in 2016-2017, and 28 (48%) in 2015-2016. 3 (5%) counties, compared to 4 (7%) in 2016-2017 and 17 (29%) in 2015-2016, reported fewer than 95% of their children as having had one dose of MMR (Table 11, Figure 11). 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:

- 558 California child care facilities, including 265 private facilities, 75 public facilities, 20 Head Start facilities and 198 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 PMEs to other required immunizations. In reporting to CDPH prior to the 2016-2017 school year, 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 since 2016-2017. The magnitude of the resultant increase to the rate of any immunization series in 2017-2018 resulting from this change in reporting could be no greater than 1.0%, 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.

Figures

Figure 1. Percentage of Children with All Required Immunizations, by Facility Type and School Year, 2012-2013 to 2017-2018

Figure 2. Percentage of Conditional Entrants into Child Care, by Facility Type and School Year, 2012-2013 to 2017-2018

Figure 3. Percentage of Children with Permanent Medical Exemptions (PMEs), by Facility Type and School Year, 2012-2013 to 2017-2018

Figure 4. Percentage of Children with Personal Belief Exemptions (PBEs), by Facility Type and School Year, 2012-2013 to 2017-2018

Figure 5. Percentage of Children with Specific Required Immunizations by Series and School Year, 2012-2013 to 2017-2018

Figure 6. Percentage of All Children by Reported Admission Status by School Year, 2014-2015 to 2017-2018

Figure 7. Percentage of Children in Public Facilities by Reported Admission Status by School Year, 2016-2017 and 2017-2018

Figure 8. Percentage of Children in Private Facilities by Reported Admission Status by School Year, 2016-2017 and 2017-2018

Figure 9. Percentage of Children in Head Start Facilities by Reported Admission Status by School Year, 2016-2017 and 2017-2018

Figure 10. Map: Children with All Required Immunizations, by County, 2016-2017 and 2017-2018 School Years

Figure 11. Map: Children with 1 or More Doses of MMR Vaccine, by County, 2016-2017 and 2017-2018 School Years

Tables

Table 1. Child Care Immunization Assessment Summary, 2016-2017 and 2017-2018 School Years

Table 2. Number and Percentage of Facilities Reporting, 2017-2018, by County and Type

Table 3. Total Enrollment and Admission Status, 2017-2018, by County

Table 4. Total Enrollment and Admission Status, 2017-2018 and 2016-2017, by County

Table 5. Number and Percentage of Children with All Required Immunizations in 2017-2018 and 2016-2017, and 1-Year Change, by County

Table 6. Number and Percentage of Conditional Entrants in 2017-2018 and 2016-2017, and 1-Year Change, by County

Table 7. Number and Percentage of Children with a Permanent Medical Exemption (PME) in 2017-2018 and 2016-2017, and 1-Year Change, by County

Table 8. Number and Percentage of Children with a Personal Beliefs Exemption (PBE) in 2017-2018 and 2016-2017, and 1-Year Change, by County

Table 9. Number and Percentage of Other Children Lacking Required Immunizations in 2017-2018 and 2016-2017, and 1-Year Change, by County

Table 10. Number and Percentage of Children with Overdue Status in 2017-2018 and 2016-2017, and 1-Year Change, by County

Table 11. Number and Percentage of Children with Required Immunizations by Vaccine Series, 2017-2018, by County

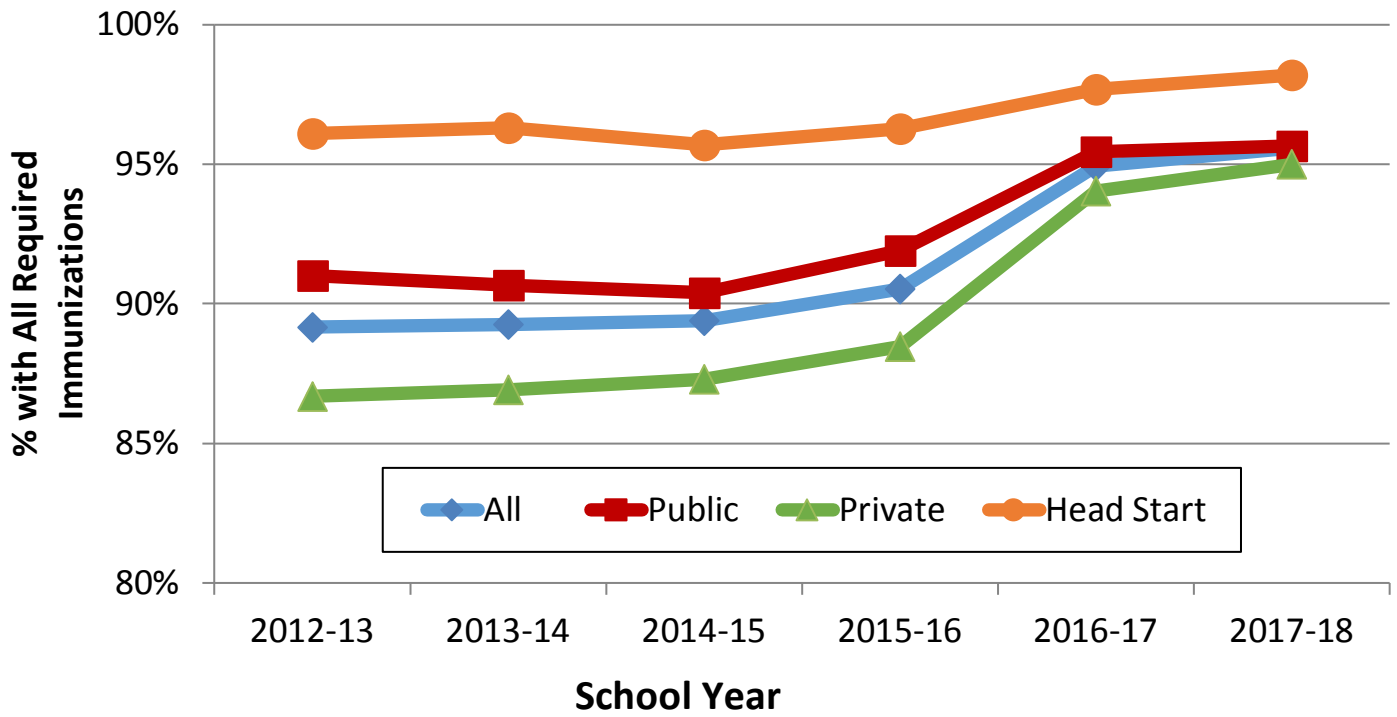


Figure 1. Percentage of Children with All Required Immunizations, by Facility Type and School Year, 2012-2013 to 2017-2018

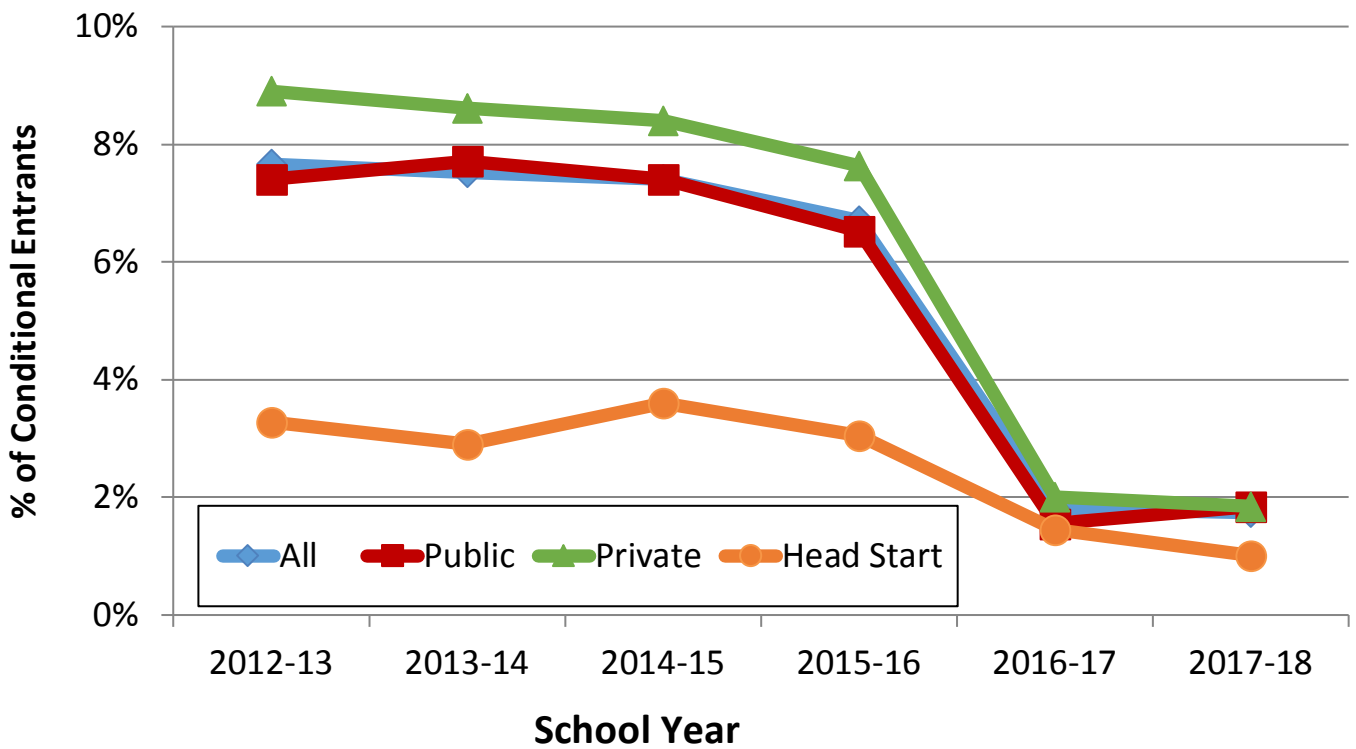


Figure 2. Percentage of Conditional Entrants into Child Care, by Facility Type and School Year, 2012-2013 to 2017-2018

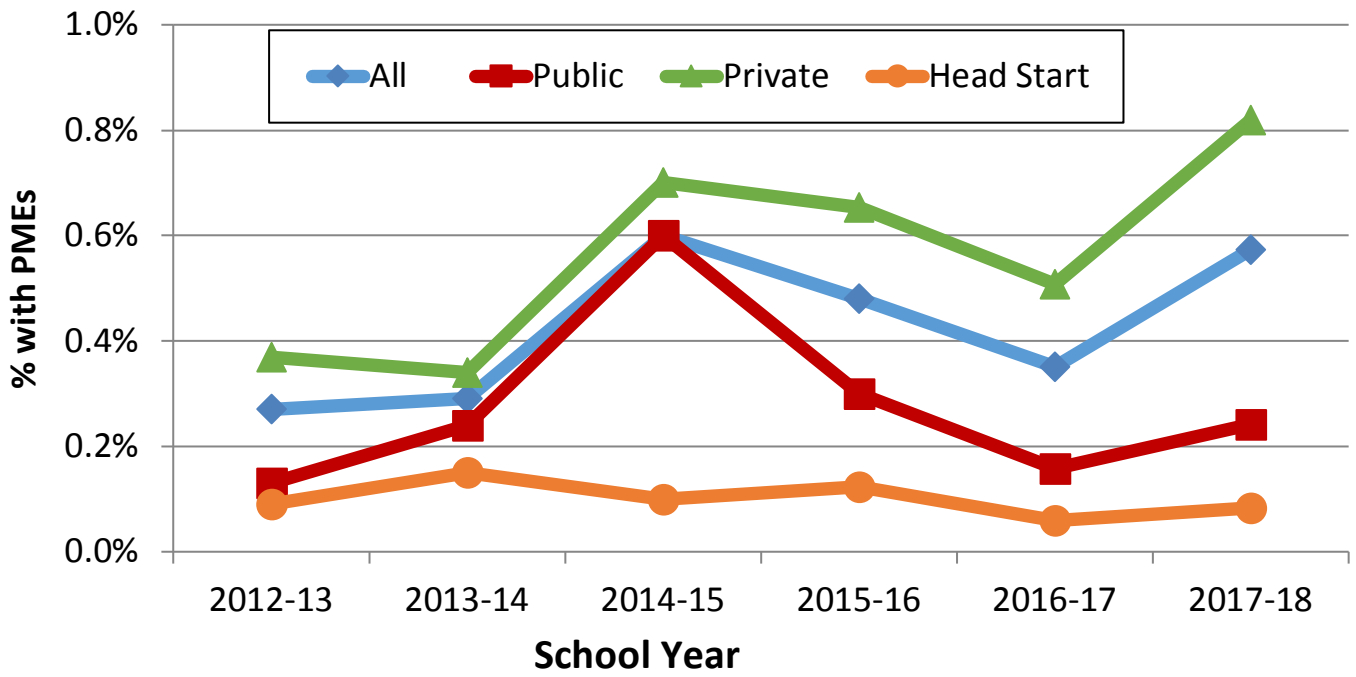


Figure 3. Percentage of Children with Permanent Medical Exemptions (PMEs), by Facility Type and School Year, 2012-2013 to 2017-2018

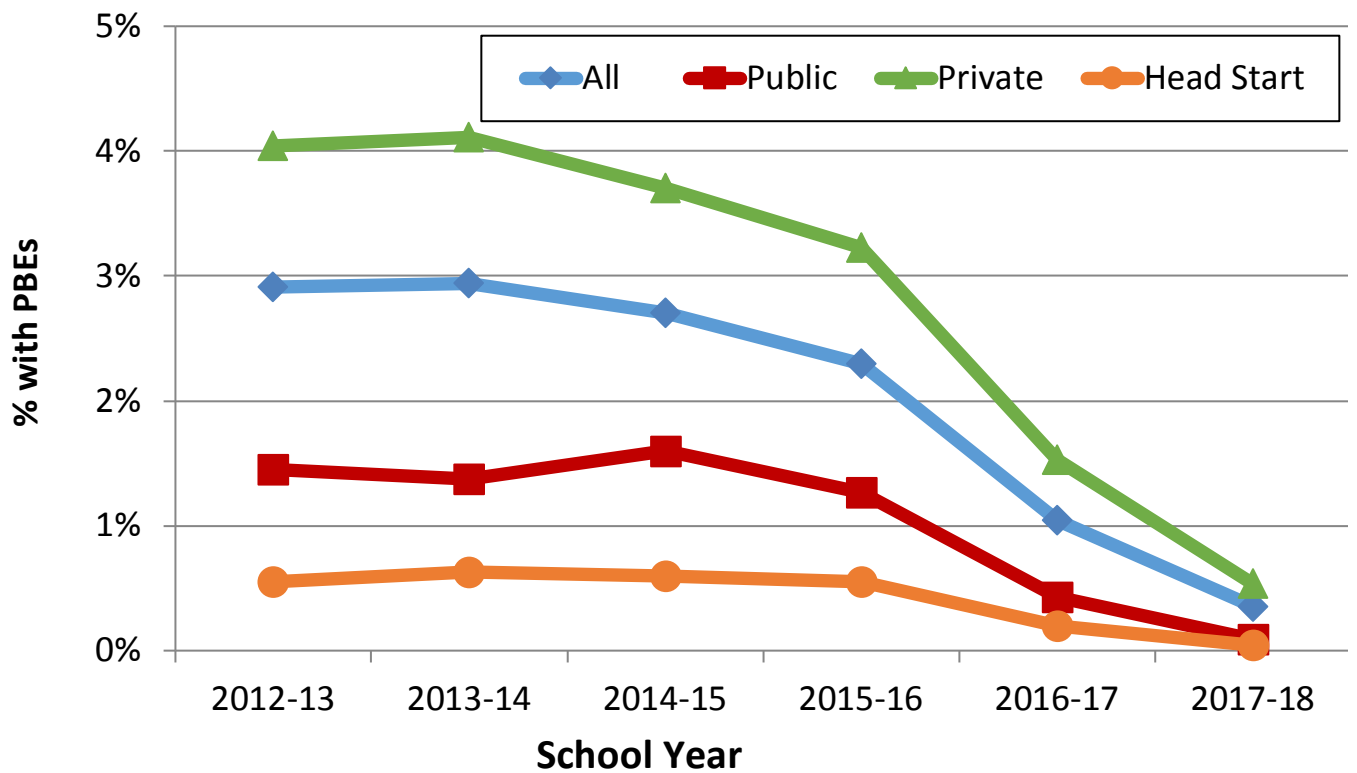


Figure 4. Percentage of Children with Personal Belief Exemptions (PBEs), by Facility Type and School Year, 2012-2013 to 2017-2018

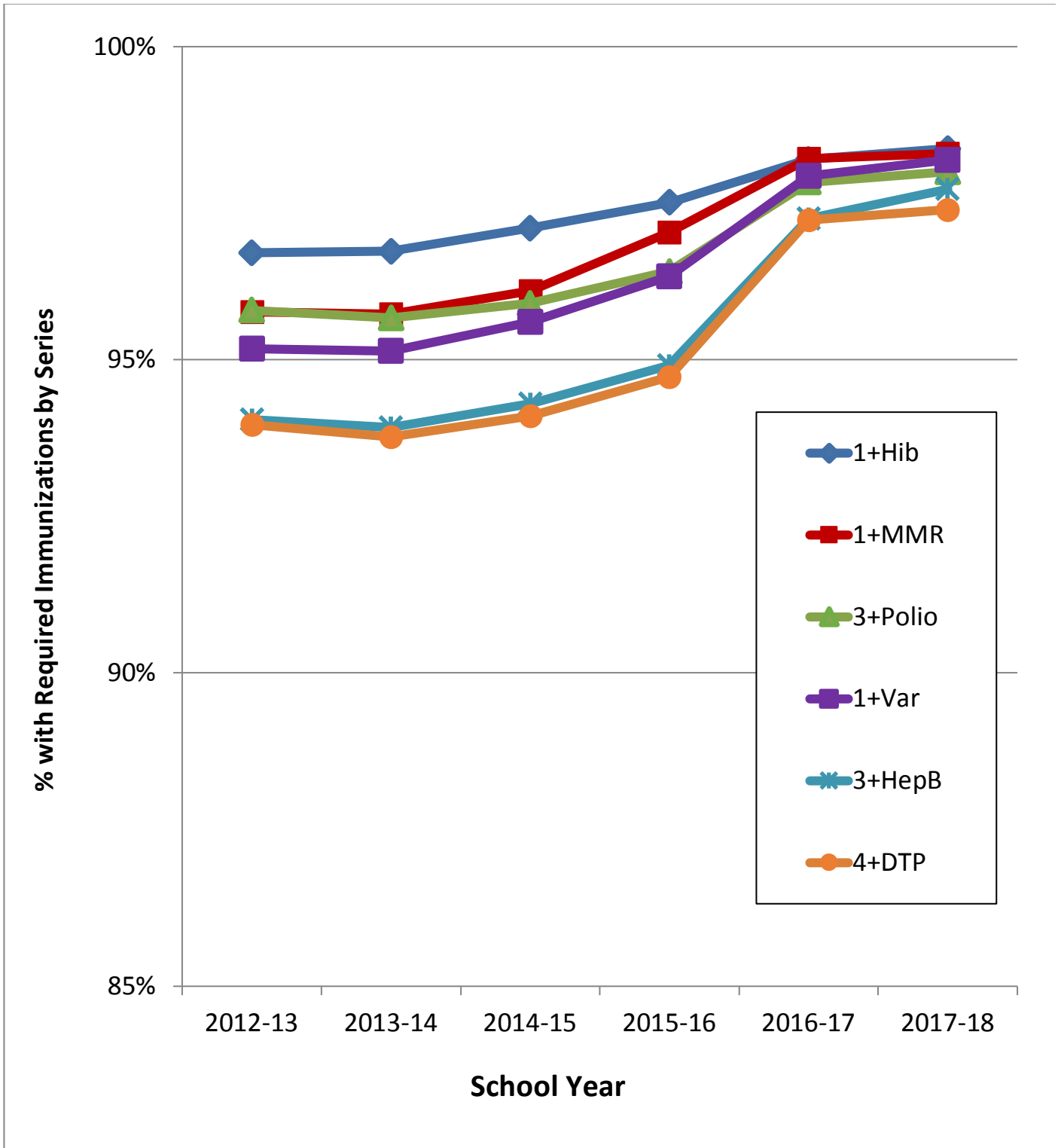
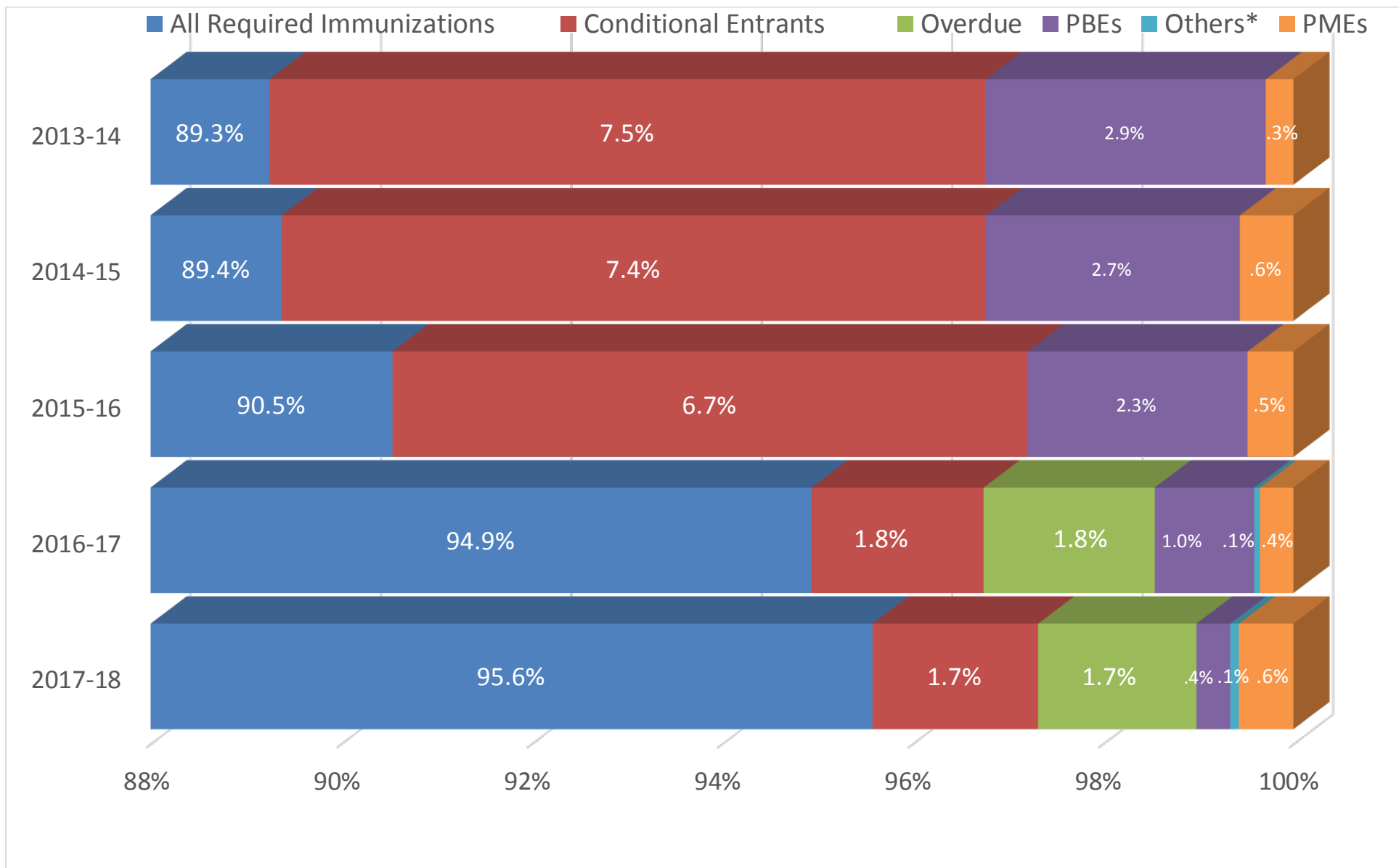
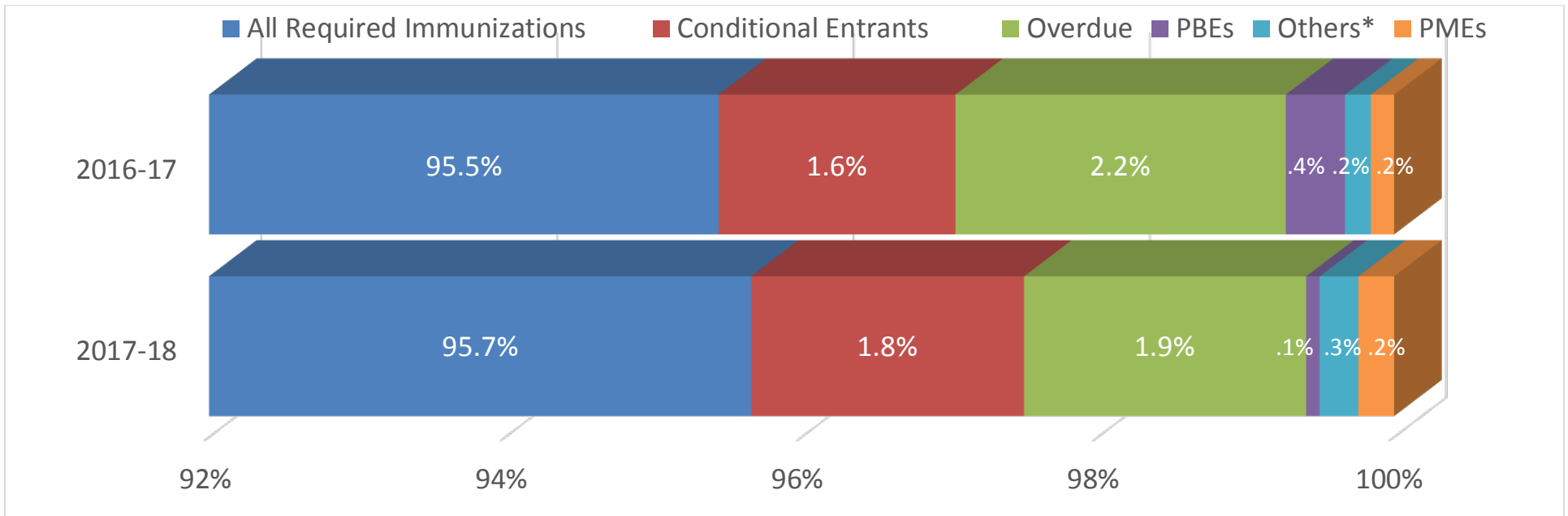


Figure 5. Percentage of Children with Specific Required Immunizations by Series and School Year, 2012-2013 to 2017-2018



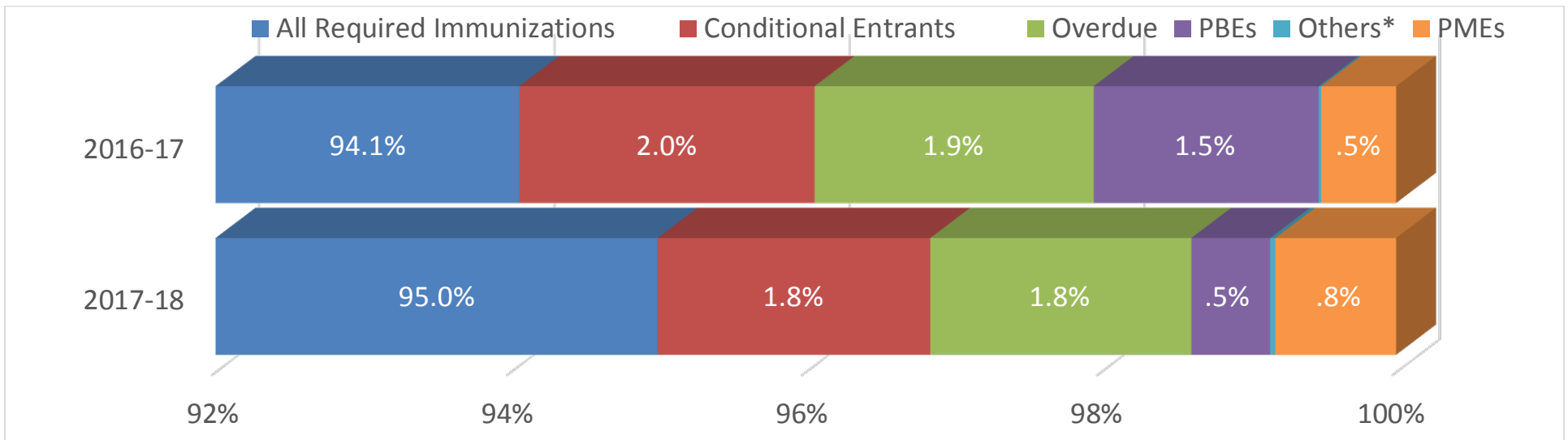
*Other children lacking required immunizations under criteria specified in SB 277.

Figure 6. Percentage of All Children by Reported Admission Status by School Year, 2013-2014 to 2017-2018. In the 2014-2015 and 2015-2016 school years, entrants were subject to AB 2109. Since the 2016-2017 school year, entrants have been subject to SB 277.



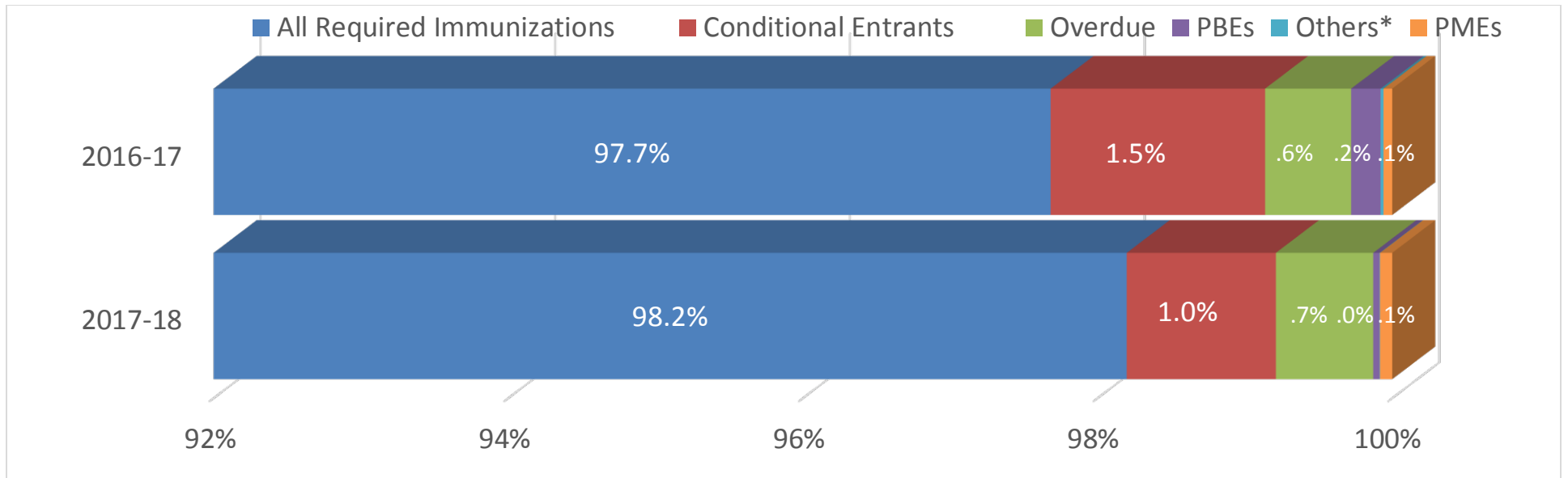
*Other children lacking required immunizations under criteria specified in SB 277.

Figure 7. Percentage of Children in Public Facilities by Reported Admission Status by School Year, 2016-2017 and 2017-2018



*Other children lacking required immunizations under criteria specified in SB 277. 0.0% reported in this category for both school years.

Figure 8. Percentage of Children in Private Facilities by Reported Admission Status by School Year, 2016-2017 and 2017-2018



*Other children lacking required immunizations under criteria specified in SB 277. 0.0% reported in this category for both school years.

Figure 9. Percentage of Children in Head Start Facilities by Reported Admission Status by School Year, 2016-2017 and 2017-2018

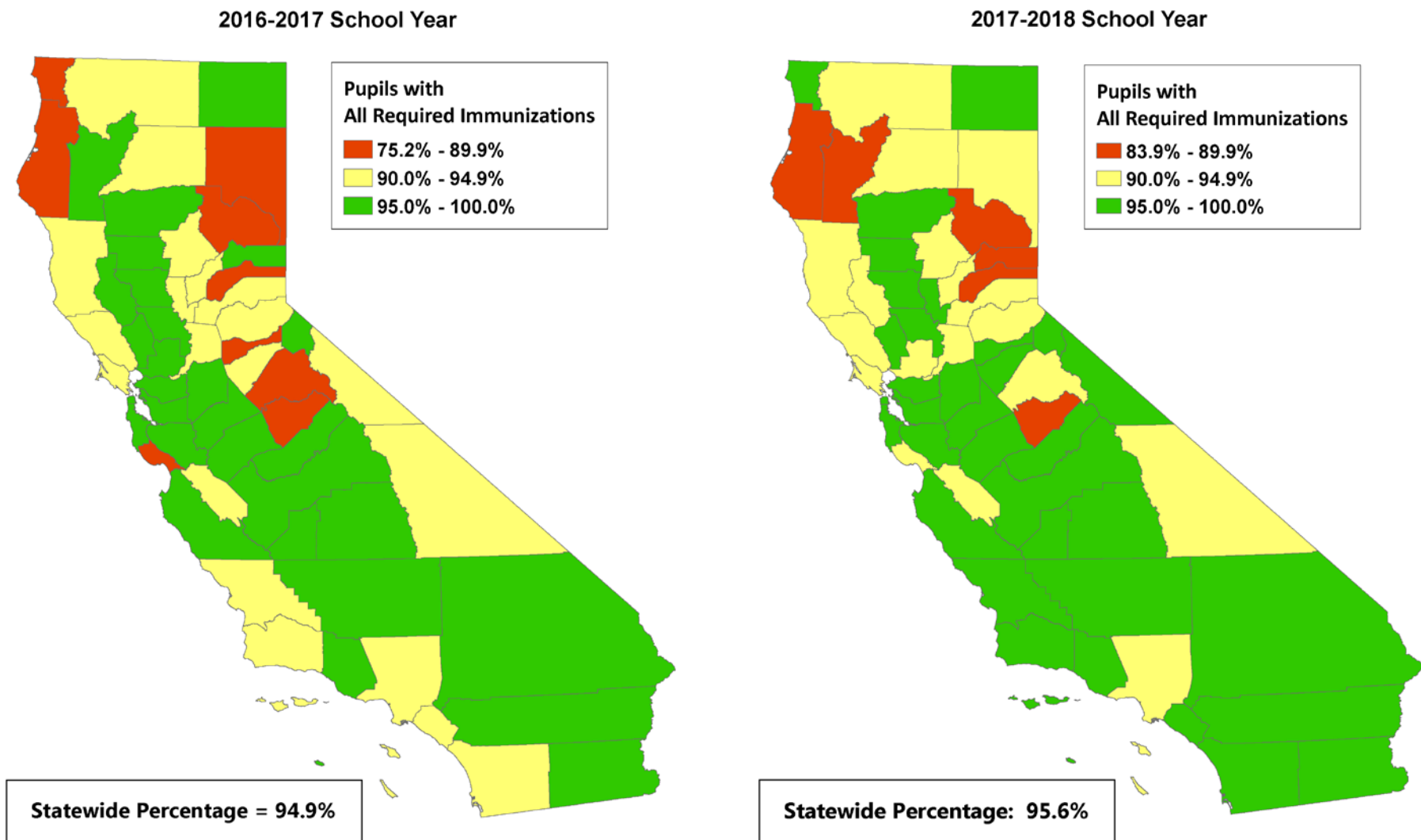


Figure 10. Children with All Required Immunizations, by County, 2016-2017 and 2017-2018 School Years

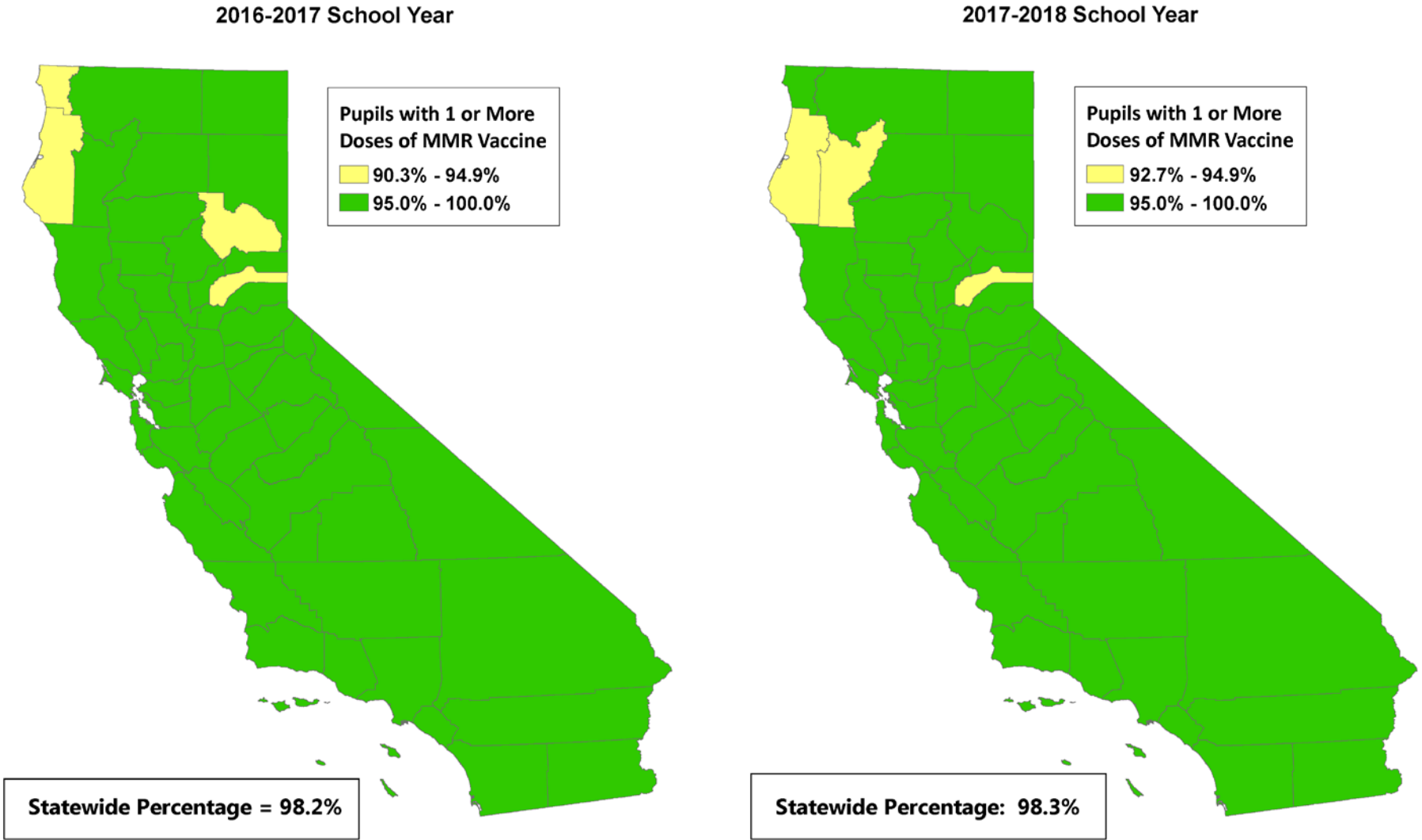


Figure 11. Children with 1 or More Doses of MMR Vaccine, by County, 2016-2017 and 2017-2018 School Years

Table 1: Child Care Immunization Assessment Summary, 2016-2017 and 2017-2018 School Years

	2017-2018				2016-2017				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	10,019	2,813	5,815	1,391	9,398	2,758	5,281	1,359				
Number of Children	525,186	137,969	319,864	67,353	500,505	132,883	296,589	71,033				
All Required Immunizations	95.6%	95.7%	95.0%	98.2%	94.9%	95.5%	94.1%	97.7%	0.6%	0.2%	0.9%	0.5%
Conditional Entrants	1.7%	1.8%	1.8%	1.0%	1.8%	1.6%	2.0%	1.5%	-0.1%	0.3%	-0.2%	-0.4%
Permanent Medical Exemptions	0.6%	0.2%	0.8%	0.1%	0.4%	0.2%	0.5%	0.1%	0.2%	0.1%	0.3%	0.0%
Personal Belief Exemptions	0.4%	0.1%	0.5%	0.0%	1.0%	0.4%	1.5%	0.2%	-0.7%	-0.3%	-1.0%	-0.2%
Others Lacking immunizations*	0.1%	0.3%	0.0%	0.0%	0.1%	0.2%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%
Overdue^	1.7%	1.9%	1.8%	0.7%	1.8%	2.2%	1.9%	0.6%	-0.1%	-0.3%	-0.1%	0.1%
4+ DTP	97.4%	97.4%	97.2%	98.6%	97.2%	97.5%	96.8%	98.4%	0.2%	-0.2%	0.3%	0.1%
3+ Polio	98.0%	98.3%	97.6%	99.3%	97.8%	98.4%	97.3%	99.2%	0.2%	-0.1%	0.3%	0.1%
1+ MMR	98.3%	98.7%	97.8%	99.6%	98.2%	98.7%	97.7%	99.5%	0.1%	0.0%	0.1%	0.1%
1+ HIB	98.4%	98.5%	98.1%	99.6%	98.2%	98.4%	97.9%	99.2%	0.2%	0.1%	0.2%	0.3%
3+ Hep B	97.7%	98.2%	97.2%	99.3%	97.3%	98.0%	96.4%	99.2%	0.5%	0.1%	0.8%	0.1%
1+ Var (or physician-documented disease)	98.2%	98.7%	97.7%	99.6%	97.9%	98.6%	97.2%	99.5%	0.3%	0.1%	0.4%	0.1%

*Includes children reported as receiving IEP services.

^Overdue for one or more required immunizations.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
 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	10577 ¹	10,019	94.7%	2,888	2,813	97.4%	6,080	5,815	95.6%	1,411	1,391	98.6%
COUNTY												
ALAMEDA	546	522	95.6%	108	106	98.1%	383	374	97.7%	43	42	97.7%
ALPINE	1	1	100.0%	1	1	100.0%	0	0	0.0%	0	0	0.0%
AMADOR	15	15	100.0%	5	5	100.0%	6	6	100.0%	4	4	100.0%
BUTTE	82	82	100.0%	28	28	100.0%	39	39	100.0%	15	15	100.0%
CALAVERAS	17	15	88.2%	6	6	100.0%	4	2	50.0%	7	7	100.0%
COLUSA	12	12	100.0%	1	1	100.0%	2	2	100.0%	9	9	100.0%
CONTRA COSTA	324	322	99.4%	54	54	100.0%	244	244	100.0%	24	24	100.0%
DEL NORTE	11	11	100.0%	6	6	100.0%	2	2	100.0%	3	3	100.0%
EL DORADO	61	61	100.0%	16	16	100.0%	34	34	100.0%	11	11	100.0%
FRESNO	299	299	100.0%	163	163	100.0%	97	97	100.0%	39	39	100.0%
GLENN	9	9	100.0%	1	1	100.0%	3	3	100.0%	5	5	100.0%
HUMBOLDT	55	55	100.0%	13	13	100.0%	28	28	100.0%	14	14	100.0%
IMPERIAL	57	57	100.0%	18	18	100.0%	27	27	100.0%	12	12	100.0%
INYO	14	12	85.7%	6	6	100.0%	4	3	75.0%	4	3	75.0%
KERN	184	184	100.0%	68	68	100.0%	69	69	100.0%	47	47	100.0%
KINGS	43	43	100.0%	17	17	100.0%	16	16	100.0%	10	10	100.0%
LAKE	20	19	95.0%	10	9	90.0%	4	4	100.0%	6	6	100.0%
LASSEN	12	6	50.0%	7	3	42.9%	1	0	0.0%	3	3	100.0%
LOS ANGELES	2,662	2,288	86.0%	524	498	95.0%	1,547	1,356	87.7%	447	434	97.1%
MADERA	51	38	74.5%	16	13	81.3%	17	10	58.8%	17	15	88.2%
MARIN	125	125	100.0%	17	17	100.0%	98	98	100.0%	10	10	100.0%
MARIPOSA	5	3	60.0%	4	2	50.0%	0	0	0.0%	1	1	100.0%
MENDOCINO	38	32	84.2%	22	20	90.9%	9	8	88.9%	4	4	100.0%
MERCED	87	73	83.9%	51	45	88.2%	15	15	100.0%	13	13	100.0%
MODOC	8	8	100.0%	6	6	100.0%	2	2	100.0%	0	0	0.0%
MONO	8	8	100.0%	5	5	100.0%	2	2	100.0%	1	1	100.0%
MONTEREY	124	123	99.2%	70	69	98.6%	31	31	100.0%	23	23	100.0%
NAPA	50	50	100.0%	21	21	100.0%	22	22	100.0%	7	7	100.0%

¹Includes 198 (4.4%) licensed child care facilities that did not report their data and category.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
 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	10577 ¹	10,019	94.7%	2,888	2,813	97.4%	6,080	5,815	95.6%	1,411	1,391	98.6%
COUNTY												
NEVADA	31	29	93.5%	13	11	84.6%	13	13	100.0%	5	5	100.0%
ORANGE	771	771	100.0%	214	214	100.0%	521	521	100.0%	36	36	100.0%
PLACER	98	97	99.0%	28	28	100.0%	59	58	98.3%	11	11	100.0%
PLUMAS	9	7	77.8%	5	4	80.0%	2	2	100.0%	1	1	100.0%
RIVERSIDE	368	365	99.2%	119	119	100.0%	196	193	98.5%	53	53	100.0%
SACRAMENTO	420	401	95.5%	90	88	97.8%	238	226	95.0%	87	87	100.0%
SAN BENITO	17	17	100.0%	7	7	100.0%	9	9	100.0%	1	1	100.0%
SAN BERNARDINO	422	420	99.5%	196	196	100.0%	184	182	98.9%	42	42	100.0%
SAN DIEGO	833	833	100.0%	242	242	100.0%	500	500	100.0%	91	91	100.0%
SAN FRANCISCO	282	281	99.6%	45	45	100.0%	208	207	99.5%	29	29	100.0%
SAN JOAQUIN	239	239	100.0%	119	119	100.0%	95	95	100.0%	25	25	100.0%
SAN LUIS OBISPO	94	91	96.8%	28	26	92.9%	54	53	98.1%	12	12	100.0%
SAN MATEO	282	282	100.0%	67	67	100.0%	204	204	100.0%	11	11	100.0%
SANTA BARBARA	145	139	95.9%	42	42	100.0%	74	72	97.3%	25	25	100.0%
SANTA CLARA	575	575	100.0%	84	84	100.0%	473	473	100.0%	18	18	100.0%
SANTA CRUZ	104	104	100.0%	27	27	100.0%	60	60	100.0%	17	17	100.0%
SHASTA	70	67	95.7%	28	27	96.4%	27	26	96.3%	14	14	100.0%
SIERRA	1	1	100.0%	0	0	0.0%	1	1	100.0%	0	0	0.0%
SISKIYOU	19	19	100.0%	8	8	100.0%	8	8	100.0%	3	3	100.0%
SOLANO	95	70	73.7%	27	18	66.7%	47	39	83.0%	13	13	100.0%
SONOMA	148	148	100.0%	24	24	100.0%	108	108	100.0%	16	16	100.0%
STANISLAUS	136	127	93.4%	36	33	91.7%	61	58	95.1%	37	36	97.3%
SUTTER	36	36	100.0%	14	14	100.0%	16	16	100.0%	6	6	100.0%
TEHAMA	30	24	80.0%	12	9	75.0%	5	5	100.0%	10	10	100.0%
TRINITY	4	4	100.0%	3	3	100.0%	0	0	0.0%	1	1	100.0%
TULARE	108	81	75.0%	41	36	87.8%	42	25	59.5%	22	20	90.9%
TUOLUMNE	15	15	100.0%	3	3	100.0%	6	6	100.0%	6	6	100.0%
VENTURA	211	210	99.5%	66	66	100.0%	119	118	99.2%	26	26	100.0%
YOLO	75	75	100.0%	25	25	100.0%	39	39	100.0%	11	11	100.0%
YUBA	19	18	94.7%	11	11	100.0%	5	4	80.0%	3	3	100.0%

¹Includes 198 (4.4%) licensed child care facilities that did not report their data and category.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
 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	525,186	501,975	95.6%	9,133	1.7%	3,009	0.6%	1,864	0.4%	472	0.1%	8,733	1.7%
COUNTY													
ALAMEDA	25,690	24,789	96.5%	352	1.4%	83	0.3%	65	0.3%	4	0.0%	397	1.5%
ALPINE	10	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*
AMADOR	238	227	95.4%	6	2.5%	2	0.8%	0	0.0%	0	0.0%	3	1.3%
BUTTE	3,062	2,849	93.0%	95	3.1%	19	0.6%	15	0.5%	4	0.1%	80	2.6%
CALAVERAS	220	212	96.4%	7	3.2%	1	0.5%	0	0.0%	0	0.0%	0	0.0%
COLUSA	302	298	98.7%	3	1.0%	0	0.0%	0	0.0%	0	0.0%	1	0.3%
CONTRA COSTA	16,484	15,889	96.4%	190	1.2%	74	0.4%	42	0.3%	7	0.0%	282	1.7%
DEL NORTE	300	289	96.3%	6	2.0%	3	1.0%	0	0.0%	0	0.0%	2	0.7%
EL DORADO	2,138	1,989	93.0%	27	1.3%	44	2.1%	10	0.5%	8	0.4%	60	2.8%
FRESNO	15,175	14,682	96.8%	203	1.3%	27	0.2%	18	0.1%	3	0.0%	242	1.6%
GLENN	285	282	98.9%	0	0.0%	0	0.0%	2	0.7%	0	0.0%	1	0.4%
HUMBOLDT	1,681	1,426	84.8%	127	7.6%	45	2.7%	40	2.4%	1	0.1%	42	2.5%
IMPERIAL	2,642	2,610	98.8%	15	0.6%	2	0.1%	0	0.0%	0	0.0%	15	0.6%
INYO	229	214	93.4%	9	3.9%	1	0.4%	2	0.9%	0	0.0%	3	1.3%
KERN	9,826	9,494	96.6%	193	2.0%	17	0.2%	16	0.2%	5	0.1%	101	1.0%
KINGS	1,889	1,844	97.6%	13	0.7%	2	0.1%	1	0.1%	0	0.0%	29	1.5%
LAKE	630	586	93.0%	30	4.8%	5	0.8%	3	0.5%	0	0.0%	6	1.0%
LASSEN	145	136	93.8%	9	6.2%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
LOS ANGELES	131,304	124,651	94.9%	3,034	2.3%	581	0.4%	451	0.3%	60	0.0%	2,527	1.9%
MADERA	1,375	1,336	97.2%	25	1.8%	2	0.1%	0	0.0%	0	0.0%	12	0.9%
MARIN	5,120	4,853	94.8%	93	1.8%	70	1.4%	40	0.8%	0	0.0%	64	1.3%
MARIPOSA	45	38	84.4%	4	8.9%	0	0.0%	2	4.4%	0	0.0%	1	2.2%
MENDOCINO	1,013	914	90.2%	35	3.5%	24	2.4%	7	0.7%	0	0.0%	33	3.3%
MERCED	3,636	3,524	96.9%	50	1.4%	4	0.1%	1	0.0%	28	0.8%	29	0.8%
MODOC	127	124	97.6%	2	1.6%	0	0.0%	0	0.0%	0	0.0%	1	0.8%
MONO	114	113	99.1%	0	0.0%	1	0.9%	0	0.0%	0	0.0%	0	0.0%
MONTEREY	5,302	5,109	96.4%	136	2.6%	22	0.4%	4	0.1%	2	0.0%	29	0.5%
NAPA	1,915	1,862	97.2%	14	0.7%	23	1.2%	12	0.6%	0	0.0%	4	0.2%

† 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. For jurisdictions with: Fewer than 20 enrollees, the data are omitted.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
 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	525,186	501,975	95.6%	9,133	1.7%	3,009	0.6%	1,864	0.4%	472	0.1%	8,733	1.7%
COUNTY													
NEVADA	1,033	894	86.5%	32	3.1%	39	3.8%	18	1.7%	0	0.0%	50	4.8%
ORANGE	48,017	45,843	95.5%	766	1.6%	343	0.7%	289	0.6%	126	0.3%	650	1.4%
PLACER	4,612	4,250	92.2%	124	2.7%	75	1.6%	28	0.6%	3	0.1%	132	2.9%
PLUMAS	144	125	86.8%	10	6.9%	3	2.1%	0	0.0%	0	0.0%	6	4.2%
RIVERSIDE	22,825	21,947	96.2%	319	1.4%	124	0.5%	29	0.1%	44	0.2%	362	1.6%
SACRAMENTO	19,252	18,185	94.5%	387	2.0%	93	0.5%	43	0.2%	10	0.1%	534	2.8%
SAN BENITO	711	658	92.5%	35	4.9%	0	0.0%	1	0.1%	1	0.1%	16	2.3%
SAN BERNARDINO	25,085	24,354	97.1%	294	1.2%	95	0.4%	43	0.2%	30	0.1%	269	1.1%
SAN DIEGO	47,948	45,614	95.1%	705	1.5%	447	0.9%	204	0.4%	25	0.1%	953	2.0%
SAN FRANCISCO	13,065	12,579	96.3%	150	1.1%	47	0.4%	36	0.3%	15	0.1%	238	1.8%
SAN JOAQUIN	10,202	9,780	95.9%	153	1.5%	25	0.2%	6	0.1%	29	0.3%	209	2.0%
SAN LUIS OBISPO	3,062	2,951	96.4%	36	1.2%	37	1.2%	17	0.6%	0	0.0%	21	0.7%
SAN MATEO	13,947	13,658	97.9%	91	0.7%	44	0.3%	40	0.3%	3	0.0%	111	0.8%
SANTA BARBARA	5,881	5,641	95.9%	76	1.3%	58	1.0%	72	1.2%	1	0.0%	33	0.6%
SANTA CLARA	33,388	32,237	96.6%	435	1.3%	134	0.4%	88	0.3%	15	0.0%	479	1.4%
SANTA CRUZ	3,420	3,162	92.5%	75	2.2%	80	2.3%	37	1.1%	1	0.0%	65	1.9%
SHASTA	2,131	1,990	93.4%	77	3.6%	30	1.4%	15	0.7%	3	0.1%	16	0.8%
SIERRA	31	26	83.9%	4	12.9%	0	0.0%	0	0.0%	0	0.0%	1	3.2%
SISKIYOU	441	407	92.3%	8	1.8%	6	1.4%	6	1.4%	0	0.0%	14	3.2%
SOLANO	3,282	3,098	94.4%	23	0.7%	21	0.6%	5	0.2%	7	0.2%	128	3.9%
SONOMA	5,788	5,294	91.5%	202	3.5%	99	1.7%	63	1.1%	4	0.1%	126	2.2%
STANISLAUS	6,777	6,583	97.1%	55	0.8%	28	0.4%	10	0.1%	4	0.1%	97	1.4%
SUTTER	1,522	1,464	96.2%	24	1.6%	3	0.2%	1	0.1%	0	0.0%	30	2.0%
TEHAMA	697	671	96.3%	15	2.2%	8	1.1%	0	0.0%	0	0.0%	3	0.4%
TRINITY	55	48	87.3%	3	5.5%	2	3.6%	0	0.0%	2	3.6%	0	0.0%
TULARE	4,476	4,369	97.6%	79	1.8%	5	0.1%	1	0.0%	0	0.0%	22	0.5%
TUOLUMNE	510	465	91.2%	22	4.3%	7	1.4%	10	2.0%	3	0.6%	3	0.6%
VENTURA	11,900	11,391	95.7%	168	1.4%	90	0.8%	59	0.5%	24	0.2%	168	1.4%
YOLO	3,172	3,087	97.3%	40	1.3%	10	0.3%	10	0.3%	0	0.0%	25	0.8%
YUBA	915	854	93.3%	47	5.1%	4	0.4%	2	0.2%	0	0.0%	8	0.9%

† 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. For jurisdictions with: Fewer than 20 enrollees, the data are omitted.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
 TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2017-2018 AND 2016-2017,
 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	2017-18	525,186	95.6	1.7	0.6	0.4	0.1	1.7
	2016-17	500,505	94.9	1.8	0.4	1.0	0.1	1.8
ALAMEDA	2017-18	25,690	96.5	1.4	0.3	0.3	0.0	1.5
	2016-17	24,428	96.5	1.1	0.2	0.8	0.1	1.5
ALPINE	2017-18	10	--*	--*	--*	--*	--*	--*
	2016-17	8	--*	--*	--*	--*	--*	--*
AMADOR	2017-18	238	95.4	2.5	0.8	0.0	0.0	1.3
	2016-17	247	89.9	4.9	0.4	2.0	0.0	2.8
BUTTE	2017-18	3,062	93.0	3.1	0.6	0.5	0.1	2.6
	2016-17	2,979	94.8	1.9	0.3	1.1	0.0	1.8
CALAVERAS	2017-18	220	96.4	3.2	0.5	0.0	0.0	0.0
	2016-17	253	90.5	5.1	2.0	2.0	0.0	0.4
COLUSA	2017-18	302	98.7	1.0	0.0	0.0	0.0	0.3
	2016-17	297	99.7	0.3	0.0	0.0	0.0	0.0
CONTRA COSTA	2017-18	16,484	96.4	1.2	0.4	0.3	0.0	1.7
	2016-17	16,469	96.8	1.3	0.2	0.7	0.0	1.0
DEL NORTE	2017-18	300	96.3	2.0	1.0	0.0	0.0	0.7
	2016-17	278	75.2	17.3	0.0	1.4	0.0	6.1
EL DORADO	2017-18	2,138	93.0	1.3	2.1	0.5	0.4	2.8
	2016-17	2,270	94.0	2.4	0.9	1.7	0.0	1.0
FRESNO	2017-18	15,175	96.8	1.3	0.2	0.1	0.0	1.6
	2016-17	15,125	96.2	1.6	0.1	0.2	0.0	1.8
GLENN	2017-18	285	98.9	0.0	0.0	0.7	0.0	0.4
	2016-17	259	96.9	2.3	0.0	0.8	0.0	0.0
HUMBOLDT	2017-18	1,681	84.8	7.6	2.7	2.4	0.1	2.5
	2016-17	1,662	83.9	3.9	0.8	7.2	0.0	4.3
IMPERIAL	2017-18	2,642	98.8	0.6	0.1	0.0	0.0	0.6
	2016-17	2,446	97.9	1.3	0.0	0.0	0.1	0.7
INYO	2017-18	229	93.4	3.9	0.4	0.9	0.0	1.3
	2016-17	205	92.7	3.9	0.5	1.0	0.0	2.0

† 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. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%; 50-99 enrollees, values of 98% or higher are listed as ≥98%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
 TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2017-2018 AND 2016-2017,
 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	2017-18	525,186	95.6	1.7	0.6	0.4	0.1	1.7
	2016-17	500,505	94.9	1.8	0.4	1.0	0.1	1.8
KERN	2017-18	9,826	96.6	2.0	0.2	0.2	0.1	1.0
	2016-17	10,489	96.0	1.9	0.2	0.7	0.0	1.3
KINGS	2017-18	1,889	97.6	0.7	0.1	0.1	0.0	1.5
	2016-17	1,971	96.9	1.0	0.0	0.1	0.0	2.0
LAKE	2017-18	630	93.0	4.8	0.8	0.5	0.0	1.0
	2016-17	602	97.0	0.7	0.7	1.2	0.0	0.5
LASSEN	2017-18	145	93.8	6.2	0.0	0.0	0.0	0.0
	2016-17	186	89.8	2.2	0.0	1.1	0.0	7.0
LOS ANGELES	2017-18	131,304	94.9	2.3	0.4	0.3	0.0	1.9
	2016-17	115,782	94.2	2.2	0.3	0.9	0.0	2.4
MADERA	2017-18	1,375	97.2	1.8	0.1	0.0	0.0	0.9
	2016-17	1,588	97.7	0.6	0.1	0.0	0.0	1.6
MARIN	2017-18	5,120	94.8	1.8	1.4	0.8	0.0	1.3
	2016-17	5,151	92.2	3.0	0.6	2.5	0.1	1.6
MARIPOSA	2017-18	45	84.4	8.9	0.0	4.4	0.0	2.2
	2016-17	86	88.4	2.3	0.0	4.7	0.0	4.7
MENDOCINO	2017-18	1,013	90.2	3.5	2.4	0.7	0.0	3.3
	2016-17	983	91.0	4.2	0.7	2.4	0.0	1.6
MERCED	2017-18	3,636	96.9	1.4	0.1	0.0	0.8	0.8
	2016-17	2,674	96.3	1.5	0.0	0.1	0.6	1.5
MODOC	2017-18	127	97.6	1.6	0.0	0.0	0.0	0.8
	2016-17	139	98.6	0.0	0.0	0.7	0.0	0.7
MONO	2017-18	114	99.1	0.0	0.9	0.0	0.0	0.0
	2016-17	129	91.5	1.6	0.0	4.7	0.0	2.3
MONTEREY	2017-18	5,302	96.4	2.6	0.4	0.1	0.0	0.5
	2016-17	5,266	96.5	1.4	0.4	0.7	0.0	0.9
NAPA	2017-18	1,915	97.2	0.7	1.2	0.6	0.0	0.2
	2016-17	1,862	96.7	0.6	0.5	1.9	0.0	0.3
NEVADA	2017-18	1,033	86.5	3.1	3.8	1.7	0.0	4.8
	2016-17	922	84.9	4.0	1.2	6.4	0.0	3.5

† 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. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%; 50-99 enrollees, values of 98% or higher are listed as ≥98%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
 TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2017-2018 AND 2016-2017,
 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	2017-18	525,186	95.6	1.7	0.6	0.4	0.1	1.7
	2016-17	500,505	94.9	1.8	0.4	1.0	0.1	1.8
ORANGE	2017-18	48,017	95.5	1.6	0.7	0.6	0.3	1.4
	2016-17	48,127	94.6	1.8	0.5	1.5	0.1	1.5
PLACER	2017-18	4,612	92.2	2.7	1.6	0.6	0.1	2.9
	2016-17	4,333	90.3	2.5	1.0	2.1	0.1	4.0
PLUMAS	2017-18	144	86.8	6.9	2.1	0.0	0.0	4.2
	2016-17	165	84.8	2.4	0.6	5.5	0.0	6.7
RIVERSIDE	2017-18	22,825	96.2	1.4	0.5	0.1	0.2	1.6
	2016-17	22,191	95.1	1.5	0.4	0.6	0.2	2.3
SACRAMENTO	2017-18	19,252	94.5	2.0	0.5	0.2	0.1	2.8
	2016-17	16,015	94.7	2.6	0.2	0.6	0.1	1.8
SAN BENITO	2017-18	711	92.5	4.9	0.0	0.1	0.1	2.3
	2016-17	722	92.0	5.4	0.6	0.3	0.0	1.8
SAN BERNARDINO	2017-18	25,085	97.1	1.2	0.4	0.2	0.1	1.1
	2016-17	24,052	97.0	1.1	0.1	0.5	0.1	1.3
SAN DIEGO	2017-18	47,948	95.1	1.5	0.9	0.4	0.1	2.0
	2016-17	46,578	94.3	2.1	0.6	1.4	0.0	1.6
SAN FRANCISCO	2017-18	13,065	96.3	1.1	0.4	0.3	0.1	1.8
	2016-17	12,812	95.1	2.0	0.3	0.8	0.1	1.7
SAN JOAQUIN	2017-18	10,202	95.9	1.5	0.2	0.1	0.3	2.0
	2016-17	9,668	95.8	1.6	0.2	0.3	0.2	1.9
SAN LUIS OBISPO	2017-18	3,062	96.4	1.2	1.2	0.6	0.0	0.7
	2016-17	3,223	93.0	2.0	0.4	2.2	0.2	2.0
SAN MATEO	2017-18	13,947	97.9	0.7	0.3	0.3	0.0	0.8
	2016-17	13,824	97.1	0.8	0.2	0.8	0.0	1.0
SANTA BARBARA	2017-18	5,881	95.9	1.3	1.0	1.2	0.0	0.6
	2016-17	6,016	94.6	1.6	0.3	2.6	0.0	0.7
SANTA CLARA	2017-18	33,388	96.6	1.3	0.4	0.3	0.0	1.4
	2016-17	33,363	96.0	1.2	0.3	0.7	0.0	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. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%; 50-99 enrollees, values of 98% or higher are listed as ≥98%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
 TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2017-2018 AND 2016-2017,
 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	2017-18	525,186	95.6	1.7	0.6	0.4	0.1	1.7
	2016-17	500,505	94.9	1.8	0.4	1.0	0.1	1.8
SANTA CRUZ	2017-18	3,420	92.5	2.2	2.3	1.1	0.0	1.9
	2016-17	3,460	89.9	3.4	1.1	3.4	0.0	2.2
SHASTA	2017-18	2,131	93.4	3.6	1.4	0.7	0.1	0.8
	2016-17	2,275	90.7	2.9	0.7	2.9	0.1	2.7
SIERRA	2017-18	31	83.9	12.9	0.0	0.0	0.0	3.2
	2016-17	31	≥95.0*	≤5.0*	0.0	0.0	0.0	0.0
SISKIYOU	2017-18	441	92.3	1.8	1.4	1.4	0.0	3.2
	2016-17	436	91.3	1.8	0.2	3.4	0.0	3.2
SOLANO	2017-18	3,282	94.4	0.7	0.6	0.2	0.2	3.9
	2016-17	3,081	95.2	1.9	0.3	0.5	0.0	2.1
SONOMA	2017-18	5,788	91.5	3.5	1.7	1.1	0.1	2.2
	2016-17	5,982	92.3	2.4	0.8	2.4	0.2	2.0
STANISLAUS	2017-18	6,777	97.1	0.8	0.4	0.1	0.1	1.4
	2016-17	6,499	95.7	1.5	0.4	0.4	0.1	1.9
SUTTER	2017-18	1,522	96.2	1.6	0.2	0.1	0.0	2.0
	2016-17	1,529	94.4	0.7	0.3	0.1	0.0	4.5
TEHAMA	2017-18	697	96.3	2.2	1.1	0.0	0.0	0.4
	2016-17	783	96.0	2.0	0.3	0.8	0.0	0.9
TRINITY	2017-18	55	87.3	5.5	3.6	0.0	3.6	0.0
	2016-17	50	≥98.0*	≤2.0*	0.0	0.0	0.0	0.0
TULARE	2017-18	4,476	97.6	1.8	0.1	0.0	0.0	0.5
	2016-17	4,384	97.8	0.6	0.1	0.3	0.0	1.2
TUOLUMNE	2017-18	510	91.2	4.3	1.4	2.0	0.6	0.6
	2016-17	509	89.2	5.3	1.4	2.8	0.4	1.0
VENTURA	2017-18	11,900	95.7	1.4	0.8	0.5	0.2	1.4
	2016-17	12,104	95.1	1.7	0.4	1.4	0.1	1.3
YOLO	2017-18	3,172	97.3	1.3	0.3	0.3	0.0	0.8
	2016-17	3,019	95.1	1.7	0.3	1.0	0.0	1.8
YUBA	2017-18	915	93.3	5.1	0.4	0.2	0.0	0.9
	2016-17	518	92.9	0.2	0.0	0.6	0.0	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. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%; 50-99 enrollees, values of 98% or higher are listed as ≥98%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
 TABLE 5: NUMBER AND PERCENTAGE OF CHILDREN WITH ALL REQUIRED IMMUNIZATIONS IN 2017-2018 AND 2016-2017,
 AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			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	525,186	501,975	95.6%	500,505	475,191	94.9%	0.6%	26,784
COUNTY								
ALAMEDA	25,690	24,789	96.5%	24,428	23,568	96.5%	0.0%	1,221
ALPINE	10	--*	--*	8	--*	--*	--*	--*
AMADOR	238	227	95.4%	247	222	89.9%	5.5%	5
BUTTE	3,062	2,849	93.0%	2,979	2,824	94.8%	-1.8%	25
CALAVERAS	220	212	96.4%	253	229	90.5%	5.8%	-17
COLUSA	302	298	98.7%	297	296	99.7%	-1.0%	2
CONTRA COSTA	16,484	15,889	96.4%	16,469	15,936	96.8%	-0.4%	-47
DEL NORTE	300	289	96.3%	278	209	75.2%	21.2%	80
EL DORADO	2,138	1,989	93.0%	2,270	2,133	94.0%	-0.9%	-144
FRESNO	15,175	14,682	96.8%	15,125	14,552	96.2%	0.5%	130
GLENN	285	282	98.9%	259	251	96.9%	2.0%	31
HUMBOLDT	1,681	1,426	84.8%	1,662	1,394	83.9%	1.0%	32
IMPERIAL	2,642	2,610	98.8%	2,446	2,395	97.9%	0.9%	215
INYO	229	214	93.4%	205	190	92.7%	0.8%	24
KERN	9,826	9,494	96.6%	10,489	10,068	96.0%	0.6%	-574
KINGS	1,889	1,844	97.6%	1,971	1,910	96.9%	0.7%	-66
LAKE	630	586	93.0%	602	584	97.0%	-4.0%	2
LASSEN	145	136	93.8%	186	167	89.8%	4.0%	-31
LOS ANGELES	131,304	124,651	94.9%	115,782	109,031	94.2%	0.8%	15,620
MADERA	1,375	1,336	97.2%	1,588	1,552	97.7%	-0.6%	-216
MARIN	5,120	4,853	94.8%	5,151	4,751	92.2%	2.6%	102
MARIPOSA	45	38	84.4%	86	76	88.4%	-3.9%	-38
MENDOCINO	1,013	914	90.2%	983	895	91.0%	-0.8%	19
MERCED	3,636	3,524	96.9%	2,674	2,574	96.3%	0.7%	950
MODOC	127	124	97.6%	139	137	98.6%	-0.9%	-13
MONO	114	113	99.1%	129	118	91.5%	7.6%	-5
MONTEREY	5,302	5,109	96.4%	5,266	5,084	96.5%	-0.2%	25
NAPA	1,915	1,862	97.2%	1,862	1,801	96.7%	0.5%	61

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%; 50-99 enrollees, values of 98% or higher are listed as ≥98%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
 TABLE 5: NUMBER AND PERCENTAGE OF CHILDREN WITH ALL REQUIRED IMMUNIZATIONS IN 2017-2018 AND 2016-2017,
 AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			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	525,186	501,975	95.6%	500,505	475,191	94.9%	0.6%	26,784
COUNTY								
NEVADA	1,033	894	86.5%	922	783	84.9%	1.6%	111
ORANGE	48,017	45,843	95.5%	48,127	45,510	94.6%	0.9%	333
PLACER	4,612	4,250	92.2%	4,333	3,911	90.3%	1.9%	339
PLUMAS	144	125	86.8%	165	140	84.8%	2.0%	-15
RIVERSIDE	22,825	21,947	96.2%	22,191	21,096	95.1%	1.1%	851
SACRAMENTO	19,252	18,185	94.5%	16,015	15,170	94.7%	-0.3%	3,015
SAN BENITO	711	658	92.5%	722	664	92.0%	0.6%	-6
SAN BERNARDINO	25,085	24,354	97.1%	24,052	23,331	97.0%	0.1%	1,023
SAN DIEGO	47,948	45,614	95.1%	46,578	43,930	94.3%	0.8%	1,684
SAN FRANCISCO	13,065	12,579	96.3%	12,812	12,189	95.1%	1.1%	390
SAN JOAQUIN	10,202	9,780	95.9%	9,668	9,265	95.8%	0.0%	515
SAN LUIS OBISPO	3,062	2,951	96.4%	3,223	2,999	93.0%	3.3%	-48
SAN MATEO	13,947	13,658	97.9%	13,824	13,422	97.1%	0.8%	236
SANTA BARBARA	5,881	5,641	95.9%	6,016	5,694	94.6%	1.3%	-53
SANTA CLARA	33,388	32,237	96.6%	33,363	32,012	96.0%	0.6%	225
SANTA CRUZ	3,420	3,162	92.5%	3,460	3,109	89.9%	2.6%	53
SHASTA	2,131	1,990	93.4%	2,275	2,064	90.7%	2.7%	-74
SIERRA	31	26	83.9%	31	--*	≥95.0%	--*	--*
SISKIYOU	441	407	92.3%	436	398	91.3%	1.0%	9
SOLANO	3,282	3,098	94.4%	3,081	2,934	95.2%	-0.8%	164
SONOMA	5,788	5,294	91.5%	5,982	5,519	92.3%	-0.8%	-225
STANISLAUS	6,777	6,583	97.1%	6,499	6,221	95.7%	1.4%	362
SUTTER	1,522	1,464	96.2%	1,529	1,443	94.4%	1.8%	21
TEHAMA	697	671	96.3%	783	752	96.0%	0.2%	-81
TRINITY	55	48	87.3%	50	--*	≥98.0	--*	--*
TULARE	4,476	4,369	97.6%	4,384	4,287	97.8%	-0.2%	82
TUOLUMNE	510	465	91.2%	509	454	89.2%	2.0%	11
VENTURA	11,900	11,391	95.7%	12,104	11,505	95.1%	0.7%	-114
YOLO	3,172	3,087	97.3%	3,019	2,872	95.1%	2.2%	215
YUBA	915	854	93.3%	518	481	92.9%	0.5%	373

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%; 50-99 enrollees, values of 98% or higher are listed as ≥98%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
 TABLE 6: NUMBER AND PERCENTAGE OF CONDITIONAL ENTRANTS IN 2017-2018 AND 2016-2017,
 AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL	CONDITIONAL ENTRANTS	PERCENT	TOTAL	CONDITIONAL ENTRANTS	PERCENT	PERCENT	CONDITIONAL ENTRANTS
STATE TOTAL	525,186	9,133	1.7%	500,505	9,040	1.8%	-0.1%	93
COUNTY								
ALAMEDA	25,690	352	1.4%	24,428	257	1.1%	0.3%	95
ALPINE	10	--*	--*	8	--*	--*	--*	--*
AMADOR	238	6	2.5%	247	12	4.9%	-2.3%	-6
BUTTE	3,062	95	3.1%	2,979	58	1.9%	1.2%	37
CALAVERAS	220	7	3.2%	253	13	5.1%	-2.0%	-6
COLUSA	302	3	1.0%	297	1	0.3%	0.7%	2
CONTRA COSTA	16,484	190	1.2%	16,469	214	1.3%	-0.1%	-24
DEL NORTE	300	6	2.0%	278	48	17.3%	-15.3%	-42
EL DORADO	2,138	27	1.3%	2,270	54	2.4%	-1.1%	-27
FRESNO	15,175	203	1.3%	15,125	248	1.6%	-0.3%	-45
GLENN	285	0	0.0%	259	6	2.3%	-2.3%	-6
HUMBOLDT	1,681	127	7.6%	1,662	65	3.9%	3.6%	62
IMPERIAL	2,642	15	0.6%	2,446	31	1.3%	-0.7%	-16
INYO	229	9	3.9%	205	8	3.9%	0.0%	1
KERN	9,826	193	2.0%	10,489	195	1.9%	0.1%	-2
KINGS	1,889	13	0.7%	1,971	20	1.0%	-0.3%	-7
LAKE	630	30	4.8%	602	4	0.7%	4.1%	26
LASSEN	145	9	6.2%	186	4	2.2%	4.1%	5
LOS ANGELES	131,304	3,034	2.3%	115,782	2,511	2.2%	0.1%	523
MADERA	1,375	25	1.8%	1,588	9	0.6%	1.3%	16
MARIN	5,120	93	1.8%	5,151	155	3.0%	-1.2%	-62
MARIPOSA	45	4	8.9%	86	2	2.3%	6.6%	2
MENDOCINO	1,013	35	3.5%	983	41	4.2%	-0.7%	-6
MERCED	3,636	50	1.4%	2,674	40	1.5%	-0.1%	10
MODOC	127	2	1.6%	139	0	0.0%	1.6%	2
MONO	114	0	0.0%	129	2	1.6%	-1.6%	-2
MONTEREY	5,302	136	2.6%	5,266	75	1.4%	1.1%	61
NAPA	1,915	14	0.7%	1,862	11	0.6%	0.1%	3

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care. 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%, values of 2% or less are listed as ≤2%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
 TABLE 6: NUMBER AND PERCENTAGE OF CONDITIONAL ENTRANTS IN 2017-2018 AND 2016-2017,
 AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL	CONDITIONAL ENTRANTS	PERCENT	TOTAL	CONDITIONAL ENTRANTS	PERCENT	PERCENT	CONDITIONAL ENTRANTS
STATE TOTAL	525,186	9,133	1.7%	500,505	9,040	1.8%	-0.1%	93
COUNTY								
NEVADA	1,033	32	3.1%	922	37	4.0%	-0.9%	-5
ORANGE	48,017	766	1.6%	48,127	874	1.8%	-0.2%	-108
PLACER	4,612	124	2.7%	4,333	109	2.5%	0.2%	15
PLUMAS	144	10	6.9%	165	4	2.4%	4.5%	6
RIVERSIDE	22,825	319	1.4%	22,191	327	1.5%	-0.1%	-8
SACRAMENTO	19,252	387	2.0%	16,015	416	2.6%	-0.6%	-29
SAN BENITO	711	35	4.9%	722	39	5.4%	-0.5%	-4
SAN BERNARDINO	25,085	294	1.2%	24,052	253	1.1%	0.1%	41
SAN DIEGO	47,948	705	1.5%	46,578	955	2.1%	-0.6%	-250
SAN FRANCISCO	13,065	150	1.1%	12,812	250	2.0%	-0.8%	-100
SAN JOAQUIN	10,202	153	1.5%	9,668	156	1.6%	-0.1%	-3
SAN LUIS OBISPO	3,062	36	1.2%	3,223	66	2.0%	-0.9%	-30
SAN MATEO	13,947	91	0.7%	13,824	117	0.8%	-0.2%	-26
SANTA BARBARA	5,881	76	1.3%	6,016	99	1.6%	-0.4%	-23
SANTA CLARA	33,388	435	1.3%	33,363	416	1.2%	0.1%	19
SANTA CRUZ	3,420	75	2.2%	3,460	119	3.4%	-1.2%	-44
SHASTA	2,131	77	3.6%	2,275	67	2.9%	0.7%	10
SIERRA	31	4	12.9%	31	--*	≤5.0%	--*	--*
SISKIYOU	441	8	1.8%	436	8	1.8%	0.0%	0
SOLANO	3,282	23	0.7%	3,081	58	1.9%	-1.2%	-35
SONOMA	5,788	202	3.5%	5,982	143	2.4%	1.1%	59
STANISLAUS	6,777	55	0.8%	6,499	98	1.5%	-0.7%	-43
SUTTER	1,522	24	1.6%	1,529	11	0.7%	0.9%	13
TEHAMA	697	15	2.2%	783	16	2.0%	0.1%	-1
TRINITY	55	3	5.5%	50	--*	≤2.0%	--*	--*
TULARE	4,476	79	1.8%	4,384	27	0.6%	1.1%	52
TUOLUMNE	510	22	4.3%	509	27	5.3%	-1.0%	-5
VENTURA	11,900	168	1.4%	12,104	211	1.7%	-0.3%	-43
YOLO	3,172	40	1.3%	3,019	52	1.7%	-0.5%	-12
YUBA	915	47	5.1%	518	1	0.2%	4.9%	46

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care. 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%, values of 2% or less are listed as ≤2%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018

TABLE 7: NUMBER AND PERCENTAGE OF CHILDREN WITH A PERMANENT MEDICAL EXEMPTION (PME) IN 2017-2018 AND 2016-2017, AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	PME	PERCENT	TOTAL CHILDREN	PME	PERCENT	PERCENT	NUMBER PME
STATE TOTAL	525,186	3,009	0.6%	500,505	1,756	0.4%	0.2%	1,253
COUNTY								
ALAMEDA	25,690	83	0.3%	24,428	43	0.2%	0.1%	40
ALPINE	10	--*	--*	8	--*	--*	--*	--*
AMADOR	238	2	0.8%	247	1	0.4%	0.4%	1
BUTTE	3,062	19	0.6%	2,979	10	0.3%	0.3%	9
CALAVERAS	220	1	0.5%	253	5	2.0%	-1.5%	-4
COLUSA	302	0	0.0%	297	0	0.0%	0.0%	0
CONTRA COSTA	16,484	74	0.4%	16,469	39	0.2%	0.2%	35
DEL NORTE	300	3	1.0%	278	0	0.0%	1.0%	3
EL DORADO	2,138	44	2.1%	2,270	21	0.9%	1.1%	23
FRESNO	15,175	27	0.2%	15,125	13	0.1%	0.1%	14
GLENN	285	0	0.0%	259	0	0.0%	0.0%	0
HUMBOLDT	1,681	45	2.7%	1,662	13	0.8%	1.9%	32
IMPERIAL	2,642	2	0.1%	2,446	1	0.0%	0.0%	1
INYO	229	1	0.4%	205	1	0.5%	-0.1%	0
KERN	9,826	17	0.2%	10,489	19	0.2%	0.0%	-2
KINGS	1,889	2	0.1%	1,971	0	0.0%	0.1%	2
LAKE	630	5	0.8%	602	4	0.7%	0.1%	1
LASSEN	145	0	0.0%	186	0	0.0%	0.0%	0
LOS ANGELES	131,304	581	0.4%	115,782	360	0.3%	0.1%	221
MADERA	1,375	2	0.1%	1,588	2	0.1%	0.0%	0
MARIN	5,120	70	1.4%	5,151	33	0.6%	0.7%	37
MARIPOSA	45	0	0.0%	86	0	0.0%	0.0%	0
MENDOCINO	1,013	24	2.4%	983	7	0.7%	1.7%	17
MERCED	3,636	4	0.1%	2,674	0	0.0%	0.1%	4
MODOC	127	0	0.0%	139	0	0.0%	0.0%	0
MONO	114	1	0.9%	129	0	0.0%	0.9%	1
MONTEREY	5,302	22	0.4%	5,266	20	0.4%	0.0%	2
NAPA	1,915	23	1.2%	1,862	10	0.5%	0.7%	13

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care. For jurisdictions with: Fewer than 20 enrollees, the data are omitted.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018

TABLE 7: NUMBER AND PERCENTAGE OF CHILDREN WITH A PERMANENT MEDICAL EXEMPTION (PME) IN 2017-2018 AND 2016-2017, AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	PME	PERCENT	TOTAL CHILDREN	PME	PERCENT	PERCENT	NUMBER PME
STATE TOTAL	525,186	3,009	0.6%	500,505	1,756	0.4%	0.2%	1,253
COUNTY								
NEVADA	1,033	39	3.8%	922	11	1.2%	2.6%	28
ORANGE	48,017	343	0.7%	48,127	248	0.5%	0.2%	95
PLACER	4,612	75	1.6%	4,333	44	1.0%	0.6%	31
PLUMAS	144	3	2.1%	165	1	0.6%	1.5%	2
RIVERSIDE	22,825	124	0.5%	22,191	78	0.4%	0.2%	46
SACRAMENTO	19,252	93	0.5%	16,015	30	0.2%	0.3%	63
SAN BENITO	711	0	0.0%	722	4	0.6%	-0.6%	-4
SAN BERNARDINO	25,085	95	0.4%	24,052	30	0.1%	0.3%	65
SAN DIEGO	47,948	447	0.9%	46,578	272	0.6%	0.3%	175
SAN FRANCISCO	13,065	47	0.4%	12,812	36	0.3%	0.1%	11
SAN JOAQUIN	10,202	25	0.2%	9,668	21	0.2%	0.0%	4
SAN LUIS OBISPO	3,062	37	1.2%	3,223	14	0.4%	0.8%	23
SAN MATEO	13,947	44	0.3%	13,824	24	0.2%	0.1%	20
SANTA BARBARA	5,881	58	1.0%	6,016	20	0.3%	0.7%	38
SANTA CLARA	33,388	134	0.4%	33,363	105	0.3%	0.1%	29
SANTA CRUZ	3,420	80	2.3%	3,460	39	1.1%	1.2%	41
SHASTA	2,131	30	1.4%	2,275	15	0.7%	0.7%	15
SIERRA	31	0	0.0%	31	0	0.0%	0.0%	0
SISKIYOU	441	6	1.4%	436	1	0.2%	1.1%	5
SOLANO	3,282	21	0.6%	3,081	8	0.3%	0.4%	13
SONOMA	5,788	99	1.7%	5,982	48	0.8%	0.9%	51
STANISLAUS	6,777	28	0.4%	6,499	25	0.4%	0.0%	3
SUTTER	1,522	3	0.2%	1,529	4	0.3%	-0.1%	-1
TEHAMA	697	8	1.1%	783	2	0.3%	0.9%	6
TRINITY	55	2	3.6%	50	0	0.0%	3.6%	2
TULARE	4,476	5	0.1%	4,384	4	0.1%	0.0%	1
TUOLUMNE	510	7	1.4%	509	7	1.4%	0.0%	0
VENTURA	11,900	90	0.8%	12,104	53	0.4%	0.3%	37
YOLO	3,172	10	0.3%	3,019	10	0.3%	0.0%	0
YUBA	915	4	0.4%	518	0	0.0%	0.4%	4

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care. For jurisdictions with: Fewer than 20 enrollees, the data are omitted.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018

TABLE 8: NUMBER AND PERCENTAGE OF CHILDREN WITH A PERSONAL BELIEFS EXEMPTION (PBE) IN 2017-2018 AND 2016-2017, AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	PBE	PERCENT	TOTAL CHILDREN	PBE	PERCENT	PERCENT	NUMBER PBE
STATE TOTAL	525,186	1,864	0.4%	500,505	5,227	1.0%	-0.7%	-3,363
COUNTY								
ALAMEDA	25,690	65	0.3%	24,428	188	0.8%	-0.5%	-123
ALPINE	10	--*	--*	8	--*	--*	--*	--*
AMADOR	238	0	0.0%	247	5	2.0%	-2.0%	-5
BUTTE	3,062	15	0.5%	2,979	33	1.1%	-0.6%	-18
CALAVERAS	220	0	0.0%	253	5	2.0%	-2.0%	-5
COLUSA	302	0	0.0%	297	0	0.0%	0.0%	0
CONTRA COSTA	16,484	42	0.3%	16,469	120	0.7%	-0.5%	-78
DEL NORTE	300	0	0.0%	278	4	1.4%	-1.4%	-4
EL DORADO	2,138	10	0.5%	2,270	39	1.7%	-1.3%	-29
FRESNO	15,175	18	0.1%	15,125	33	0.2%	-0.1%	-15
GLENN	285	2	0.7%	259	2	0.8%	-0.1%	0
HUMBOLDT	1,681	40	2.4%	1,662	119	7.2%	-4.8%	-79
IMPERIAL	2,642	0	0.0%	2,446	1	0.0%	0.0%	-1
INYO	229	2	0.9%	205	2	1.0%	-0.1%	0
KERN	9,826	16	0.2%	10,489	74	0.7%	-0.5%	-58
KINGS	1,889	1	0.1%	1,971	2	0.1%	0.0%	-1
LAKE	630	3	0.5%	602	7	1.2%	-0.7%	-4
LASSEN	145	0	0.0%	186	2	1.1%	-1.1%	-2
LOS ANGELES	131,304	451	0.3%	115,782	1,088	0.9%	-0.6%	-637
MADERA	1,375	0	0.0%	1,588	0	0.0%	0.0%	0
MARIN	5,120	40	0.8%	5,151	128	2.5%	-1.7%	-88
MARIPOSA	45	2	4.4%	86	4	4.7%	-0.2%	-2
MENDOCINO	1,013	7	0.7%	983	24	2.4%	-1.8%	-17
MERCED	3,636	1	0.0%	2,674	3	0.1%	-0.1%	-2
MODOC	127	0	0.0%	139	1	0.7%	-0.7%	-1
MONO	114	0	0.0%	129	6	4.7%	-4.7%	-6
MONTEREY	5,302	4	0.1%	5,266	37	0.7%	-0.6%	-33
NAPA	1,915	12	0.6%	1,862	35	1.9%	-1.3%	-23

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care. For jurisdictions with: Fewer than 20 enrollees, the data are omitted.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018

TABLE 8: NUMBER AND PERCENTAGE OF CHILDREN WITH A PERSONAL BELIEFS EXEMPTION (PBE) IN 2017-2018 AND 2016-2017, AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	PBE	PERCENT	TOTAL CHILDREN	PBE	PERCENT	PERCENT	NUMBER PBE
STATE TOTAL	525,186	1,864	0.4%	500,505	5,227	1.0%	-0.7%	-3,363
COUNTY								
NEVADA	1,033	18	1.7%	922	59	6.4%	-4.7%	-41
ORANGE	48,017	289	0.6%	48,127	745	1.5%	-0.9%	-456
PLACER	4,612	28	0.6%	4,333	91	2.1%	-1.5%	-63
PLUMAS	144	0	0.0%	165	9	5.5%	-5.5%	-9
RIVERSIDE	22,825	29	0.1%	22,191	142	0.6%	-0.5%	-113
SACRAMENTO	19,252	43	0.2%	16,015	101	0.6%	-0.4%	-58
SAN BENITO	711	1	0.1%	722	2	0.3%	-0.1%	-1
SAN BERNARDINO	25,085	43	0.2%	24,052	113	0.5%	-0.3%	-70
SAN DIEGO	47,948	204	0.4%	46,578	665	1.4%	-1.0%	-461
SAN FRANCISCO	13,065	36	0.3%	12,812	99	0.8%	-0.5%	-63
SAN JOAQUIN	10,202	6	0.1%	9,668	28	0.3%	-0.2%	-22
SAN LUIS OBISPO	3,062	17	0.6%	3,223	71	2.2%	-1.6%	-54
SAN MATEO	13,947	40	0.3%	13,824	116	0.8%	-0.6%	-76
SANTA BARBARA	5,881	72	1.2%	6,016	159	2.6%	-1.4%	-87
SANTA CLARA	33,388	88	0.3%	33,363	247	0.7%	-0.5%	-159
SANTA CRUZ	3,420	37	1.1%	3,460	117	3.4%	-2.3%	-80
SHASTA	2,131	15	0.7%	2,275	65	2.9%	-2.2%	-50
SIERRA	31	0	0.0%	31	0	0.0%	0.0%	0
SISKIYOU	441	6	1.4%	436	15	3.4%	-2.1%	-9
SOLANO	3,282	5	0.2%	3,081	14	0.5%	-0.3%	-9
SONOMA	5,788	63	1.1%	5,982	143	2.4%	-1.3%	-80
STANISLAUS	6,777	10	0.1%	6,499	29	0.4%	-0.3%	-19
SUTTER	1,522	1	0.1%	1,529	2	0.1%	-0.1%	-1
TEHAMA	697	0	0.0%	783	6	0.8%	-0.8%	-6
TRINITY	55	0	0.0%	50	0	0.0%	0.0%	0
TULARE	4,476	1	0.0%	4,384	13	0.3%	-0.3%	-12
TUOLUMNE	510	10	2.0%	509	14	2.8%	-0.8%	-4
VENTURA	11,900	59	0.5%	12,104	168	1.4%	-0.9%	-109
YOLO	3,172	10	0.3%	3,019	29	1.0%	-0.6%	-19
YUBA	915	2	0.2%	518	3	0.6%	-0.4%	-1

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care. For jurisdictions with: Fewer than 20 enrollees, the data are omitted.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018

TABLE 9: NUMBER AND PERCENTAGE OF OTHER CHILDREN LACKING REQUIRED IMMUNIZATIONS† IN 2017-2018 AND 2016-2017, AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	OTHERS LACKING REQUIRED IMMUNIZATIONS†	PERCENT	TOTAL CHILDREN	OTHERS LACKING REQUIRED IMMUNIZATIONS†	PERCENT	PERCENT	OTHERS LACKING REQUIRED IMMUNIZATIONS†
STATE TOTAL	525,186	472	0.1%	500,505	297	0.1%	0.0%	175
COUNTY								
ALAMEDA	25,690	4	0.0%	24,428	13	0.1%	0.0%	-9
ALPINE	10	--*	--*	8	--*	--*	--*	--*
AMADOR	238	0	0.0%	247	0	0.0%	0.0%	0
BUTTE	3,062	4	0.1%	2,979	0	0.0%	0.1%	4
CALAVERAS	220	0	0.0%	253	0	0.0%	0.0%	0
COLUSA	302	0	0.0%	297	0	0.0%	0.0%	0
CONTRA COSTA	16,484	7	0.0%	16,469	2	0.0%	0.0%	5
DEL NORTE	300	0	0.0%	278	0	0.0%	0.0%	0
EL DORADO	2,138	8	0.4%	2,270	1	0.0%	0.3%	7
FRESNO	15,175	3	0.0%	15,125	1	0.0%	0.0%	2
GLENN	285	0	0.0%	259	0	0.0%	0.0%	0
HUMBOLDT	1,681	1	0.1%	1,662	0	0.0%	0.1%	1
IMPERIAL	2,642	0	0.0%	2,446	2	0.1%	-0.1%	-2
INYO	229	0	0.0%	205	0	0.0%	0.0%	0
KERN	9,826	5	0.1%	10,489	1	0.0%	0.0%	4
KINGS	1,889	0	0.0%	1,971	0	0.0%	0.0%	0
LAKE	630	0	0.0%	602	0	0.0%	0.0%	0
LASSEN	145	0	0.0%	186	0	0.0%	0.0%	0
LOS ANGELES	131,304	60	0.0%	115,782	50	0.0%	0.0%	10
MADERA	1,375	0	0.0%	1,588	0	0.0%	0.0%	0
MARIN	5,120	0	0.0%	5,151	4	0.1%	-0.1%	-4
MARIPOSA	45	0	0.0%	86	0	0.0%	0.0%	0
MENDOCINO	1,013	0	0.0%	983	0	0.0%	0.0%	0
MERCED	3,636	28	0.8%	2,674	17	0.6%	0.1%	11
MODOC	127	0	0.0%	139	0	0.0%	0.0%	0
MONO	114	0	0.0%	129	0	0.0%	0.0%	0
MONTEREY	5,302	2	0.0%	5,266	0	0.0%	0.0%	2
NAPA	1,915	0	0.0%	1,862	0	0.0%	0.0%	0

† Includes students reported as receiving IEP services.

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care. For jurisdictions with: Fewer than 20 enrollees, the data are omitted.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018

TABLE 9: NUMBER AND PERCENTAGE OF OTHER CHILDREN LACKING REQUIRED IMMUNIZATIONS† IN 2017-2018 AND 2016-2017, AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	OTHERS LACKING REQUIRED IMMUNIZATIONS†	PERCENT	TOTAL CHILDREN	OTHERS LACKING REQUIRED IMMUNIZATIONS†	PERCENT	PERCENT	OTHERS LACKING REQUIRED IMMUNIZATIONS†
STATE TOTAL	525,186	472	0.1%	500,505	297	0.1%	0.0%	175
COUNTY								
NEVADA	1,033	0	0.0%	922	0	0.0%	0.0%	0
ORANGE	48,017	126	0.3%	48,127	38	0.1%	0.2%	88
PLACER	4,612	3	0.1%	4,333	5	0.1%	-0.1%	-2
PLUMAS	144	0	0.0%	165	0	0.0%	0.0%	0
RIVERSIDE	22,825	44	0.2%	22,191	42	0.2%	0.0%	2
SACRAMENTO	19,252	10	0.1%	16,015	13	0.1%	0.0%	-3
SAN BENITO	711	1	0.1%	722	0	0.0%	0.1%	1
SAN BERNARDINO	25,085	30	0.1%	24,052	17	0.1%	0.0%	13
SAN DIEGO	47,948	25	0.1%	46,578	12	0.0%	0.0%	13
SAN FRANCISCO	13,065	15	0.1%	12,812	16	0.1%	0.0%	-1
SAN JOAQUIN	10,202	29	0.3%	9,668	15	0.2%	0.1%	14
SAN LUIS OBISPO	3,062	0	0.0%	3,223	8	0.2%	-0.2%	-8
SAN MATEO	13,947	3	0.0%	13,824	5	0.0%	0.0%	-2
SANTA BARBARA	5,881	1	0.0%	6,016	1	0.0%	0.0%	0
SANTA CLARA	33,388	15	0.0%	33,363	4	0.0%	0.0%	11
SANTA CRUZ	3,420	1	0.0%	3,460	1	0.0%	0.0%	0
SHASTA	2,131	3	0.1%	2,275	2	0.1%	0.1%	1
SIERRA	31	0	0.0%	31	0	0.0%	0.0%	0
SISKIYOU	441	0	0.0%	436	0	0.0%	0.0%	0
SOLANO	3,282	7	0.2%	3,081	1	0.0%	0.2%	6
SONOMA	5,788	4	0.1%	5,982	10	0.2%	-0.1%	-6
STANISLAUS	6,777	4	0.1%	6,499	4	0.1%	0.0%	0
SUTTER	1,522	0	0.0%	1,529	0	0.0%	0.0%	0
TEHAMA	697	0	0.0%	783	0	0.0%	0.0%	0
TRINITY	55	2	3.6%	50	0	0.0%	3.6%	2
TULARE	4,476	0	0.0%	4,384	0	0.0%	0.0%	0
TUOLUMNE	510	3	0.6%	509	2	0.4%	0.2%	1
VENTURA	11,900	24	0.2%	12,104	9	0.1%	0.1%	15
YOLO	3,172	0	0.0%	3,019	1	0.0%	0.0%	-1
YUBA	915	0	0.0%	518	0	0.0%	0.0%	0

† Includes students reported as receiving IEP services.

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care. For jurisdictions with: Fewer than 20 enrollees, the data are omitted.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
 TABLE 10: NUMBER AND PERCENTAGE OF CHILDREN WITH OVERDUE^ STATUS IN 2017-2018 AND 2016-2017,
 AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	OVERDUE^	PERCENT	TOTAL CHILDREN	OVERDUE^	PERCENT	PERCENT	NUMBER OVERDUE^
STATE TOTAL	525,186	8,733	1.7%	500,505	8,994	1.8%	-0.1%	-261
COUNTY								
ALAMEDA	25,690	397	1.5%	24,428	359	1.5%	0.1%	38
ALPINE	10	--*	--*	8	--*	--*	--*	--*
AMADOR	238	3	1.3%	247	7	2.8%	-1.6%	-4
BUTTE	3,062	80	2.6%	2,979	54	1.8%	0.8%	26
CALAVERAS	220	0	0.0%	253	1	0.4%	-0.4%	-1
COLUSA	302	1	0.3%	297	0	0.0%	0.3%	1
CONTRA COSTA	16,484	282	1.7%	16,469	158	1.0%	0.8%	124
DEL NORTE	300	2	0.7%	278	17	6.1%	-5.4%	-15
EL DORADO	2,138	60	2.8%	2,270	22	1.0%	1.8%	38
FRESNO	15,175	242	1.6%	15,125	278	1.8%	-0.2%	-36
GLENN	285	1	0.4%	259	0	0.0%	0.4%	1
HUMBOLDT	1,681	42	2.5%	1,662	71	4.3%	-1.8%	-29
IMPERIAL	2,642	15	0.6%	2,446	16	0.7%	-0.1%	-1
INYO	229	3	1.3%	205	4	2.0%	-0.6%	-1
KERN	9,826	101	1.0%	10,489	132	1.3%	-0.2%	-31
KINGS	1,889	29	1.5%	1,971	39	2.0%	-0.4%	-10
LAKE	630	6	1.0%	602	3	0.5%	0.5%	3
LASSEN	145	0	0.0%	186	13	7.0%	-7.0%	-13
LOS ANGELES	131,304	2,527	1.9%	115,782	2,742	2.4%	-0.4%	-215
MADERA	1,375	12	0.9%	1,588	25	1.6%	-0.7%	-13
MARIN	5,120	64	1.3%	5,151	80	1.6%	-0.3%	-16
MARIPOSA	45	1	2.2%	86	4	4.7%	-2.4%	-3
MENDOCINO	1,013	33	3.3%	983	16	1.6%	1.6%	17
MERCED	3,636	29	0.8%	2,674	40	1.5%	-0.7%	-11
MODOC	127	1	0.8%	139	1	0.7%	0.1%	0
MONO	114	0	0.0%	129	3	2.3%	-2.3%	-3
MONTEREY	5,302	29	0.5%	5,266	50	0.9%	-0.4%	-21
NAPA	1,915	4	0.2%	1,862	5	0.3%	-0.1%	-1

^ Overdue for one or more immunizations.

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care. For jurisdictions with: Fewer than 20 enrollees, the data are omitted.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
 TABLE 10: NUMBER AND PERCENTAGE OF CHILDREN WITH OVERDUE[^] STATUS IN 2017-2018 AND 2016-2017,
 AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	OVERDUE [^]	PERCENT	TOTAL CHILDREN	OVERDUE [^]	PERCENT	PERCENT	NUMBER OVERDUE [^]
STATE TOTAL	525,186	8,733	1.7%	500,505	8,994	1.8%	-0.1%	-261
COUNTY								
NEVADA	1,033	50	4.8%	922	32	3.5%	1.4%	18
ORANGE	48,017	650	1.4%	48,127	712	1.5%	-0.1%	-62
PLACER	4,612	132	2.9%	4,333	173	4.0%	-1.1%	-41
PLUMAS	144	6	4.2%	165	11	6.7%	-2.5%	-5
RIVERSIDE	22,825	362	1.6%	22,191	506	2.3%	-0.7%	-144
SACRAMENTO	19,252	534	2.8%	16,015	285	1.8%	1.0%	249
SAN BENITO	711	16	2.3%	722	13	1.8%	0.4%	3
SAN BERNARDINO	25,085	269	1.1%	24,052	308	1.3%	-0.2%	-39
SAN DIEGO	47,948	953	2.0%	46,578	744	1.6%	0.4%	209
SAN FRANCISCO	13,065	238	1.8%	12,812	222	1.7%	0.1%	16
SAN JOAQUIN	10,202	209	2.0%	9,668	183	1.9%	0.2%	26
SAN LUIS OBISPO	3,062	21	0.7%	3,223	65	2.0%	-1.3%	-44
SAN MATEO	13,947	111	0.8%	13,824	140	1.0%	-0.2%	-29
SANTA BARBARA	5,881	33	0.6%	6,016	43	0.7%	-0.2%	-10
SANTA CLARA	33,388	479	1.4%	33,363	579	1.7%	-0.3%	-100
SANTA CRUZ	3,420	65	1.9%	3,460	75	2.2%	-0.3%	-10
SHASTA	2,131	16	0.8%	2,275	62	2.7%	-2.0%	-46
SIERRA	31	1	3.2%	31	0	0.0%	3.2%	1
SISKIYOU	441	14	3.2%	436	14	3.2%	0.0%	0
SOLANO	3,282	128	3.9%	3,081	66	2.1%	1.8%	62
SONOMA	5,788	126	2.2%	5,982	119	2.0%	0.2%	7
STANISLAUS	6,777	97	1.4%	6,499	122	1.9%	-0.4%	-25
SUTTER	1,522	30	2.0%	1,529	69	4.5%	-2.5%	-39
TEHAMA	697	3	0.4%	783	7	0.9%	-0.5%	-4
TRINITY	55	0	0.0%	50	0	0.0%	0.0%	0
TULARE	4,476	22	0.5%	4,384	53	1.2%	-0.7%	-31
TUOLUMNE	510	3	0.6%	509	5	1.0%	-0.4%	-2
VENTURA	11,900	168	1.4%	12,104	158	1.3%	0.1%	10
YOLO	3,172	25	0.8%	3,019	55	1.8%	-1.0%	-30
YUBA	915	8	0.9%	518	33	6.4%	-5.5%	-25

[^] Overdue for one or more immunizations.

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care. For jurisdictions with: Fewer than 20 enrollees, the data are omitted.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
 TABLE 11: 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	525,186	511,522	97.4%	514,698	98.0%	516,220	98.3%	516,640	98.4%	513,234	97.7%	515,693	98.2%
COUNTY													
ALAMEDA	25,690	25,147	97.9%	25,244	98.3%	25,304	98.5%	25,333	98.6%	25,172	98.0%	25,295	98.5%
ALPINE	10	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*
AMADOR	238	231	97.1%	234	98.3%	234	98.3%	233	97.9%	232	97.5%	234	98.3%
BUTTE	3,062	2,939	96.0%	2,968	96.9%	2,989	97.6%	2,977	97.2%	2,974	97.1%	2,977	97.2%
CALAVERAS	220	214	97.3%	--*	≥99.0%	--*	≥99.0%	217	98.6%	--*	≥99.0%	--*	≥99.0%
COLUSA	302	298	98.7%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%
CONTRA COSTA	16,484	16,231	98.5%	16,211	98.3%	16,244	98.5%	16,289	98.8%	16,217	98.4%	16,208	98.3%
DEL NORTE	300	290	96.7%	292	97.3%	296	98.7%	--*	≥99.0%	293	97.7%	--*	≥99.0%
EL DORADO	2,138	2,058	96.3%	2,069	96.8%	2,073	97.0%	2,046	95.7%	2,044	95.6%	2,064	96.5%
FRESNO	15,175	14,857	97.9%	14,990	98.8%	15,052	99.2%	15,013	98.9%	14,986	98.8%	15,038	99.1%
GLENN	285	282	98.9%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%
HUMBOLDT	1,681	1,532	91.1%	1,567	93.2%	1,584	94.2%	1,593	94.8%	1,555	92.5%	1,563	93.0%
IMPERIAL	2,642	2,618	99.1%	2,626	99.4%	2,629	99.5%	2,636	99.8%	2,631	99.6%	2,638	99.8%
INYO	229	220	96.1%	223	97.4%	--*	≥99.0%	222	96.9%	223	97.4%	225	98.3%
KERN	9,826	9,598	97.7%	9,721	98.9%	9,776	99.5%	9,754	99.3%	9,717	98.9%	9,763	99.4%
KINGS	1,889	1,859	98.4%	1,874	99.2%	1,881	99.6%	1,884	99.7%	1,870	99.0%	1,880	99.5%
LAKE	630	610	96.8%	604	95.9%	608	96.5%	622	98.7%	617	97.9%	623	98.9%
LASSEN	145	139	95.9%	143	98.6%	143	98.6%	142	97.9%	141	97.2%	143	98.6%
LOS ANGELES	131,304	127,596	97.2%	128,391	97.8%	128,928	98.2%	128,856	98.1%	128,188	97.6%	128,798	98.1%
MADERA	1,375	1,358	98.8%	1,360	98.9%	1,365	99.3%	1,350	98.2%	1,359	98.8%	1,361	99.0%
MARIN	5,120	4,996	97.6%	4,969	97.1%	5,015	97.9%	5,029	98.2%	4,923	96.2%	4,985	97.4%
MARIPOSA	45	39	86.7%	40	88.9%	--*	≥95.0%	--*	≥95.0%	--*	≥95.0%	--*	≥95.0%
MENDOCINO	1,013	947	93.5%	960	94.8%	972	96.0%	968	95.6%	942	93.0%	963	95.1%
MERCED	3,636	3,556	97.8%	3,590	98.7%	3,608	99.2%	3,620	99.6%	3,589	98.7%	3,607	99.2%
MODOC	127	124	97.6%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%
MONO	114	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%
MONTEREY	5,302	5,187	97.8%	5,214	98.3%	5,215	98.4%	5,247	99.0%	5,238	98.8%	5,251	99.0%
NAPA	1,915	1,875	97.9%	1,878	98.1%	1,882	98.3%	1,880	98.2%	1,865	97.4%	1,878	98.1%

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%; 50-99 enrollees, values of 98% or higher are listed as ≥98%; 100-499 enrollees, values of 99% or higher are listed as ≥99%.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
 TABLE 11: 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	525,186	511,522	97.4%	514,698	98.0%	516,220	98.3%	516,640	98.4%	513,234	97.7%	515,693	98.2%
COUNTY													
NEVADA	1,033	933	90.3%	946	91.6%	958	92.7%	966	93.5%	938	90.8%	934	90.4%
ORANGE	48,017	46,799	97.5%	47,012	97.9%	47,163	98.2%	47,262	98.4%	46,736	97.3%	47,070	98.0%
PLACER	4,612	4,395	95.3%	4,421	95.9%	4,413	95.7%	4,407	95.6%	4,387	95.1%	4,419	95.8%
PLUMAS	144	132	91.7%	135	93.8%	138	95.8%	138	95.8%	140	97.2%	136	94.4%
RIVERSIDE	22,825	22,256	97.5%	22,418	98.2%	22,480	98.5%	22,547	98.8%	22,403	98.2%	22,467	98.4%
SACRAMENTO	19,252	18,563	96.4%	18,776	97.5%	18,817	97.7%	18,885	98.1%	18,775	97.5%	18,795	97.6%
SAN BENITO	711	673	94.7%	680	95.6%	680	95.6%	701	98.6%	703	98.9%	706	99.3%
SAN BERNARDINO	25,085	24,548	97.9%	24,805	98.9%	24,846	99.0%	24,828	99.0%	24,796	98.8%	24,858	99.1%
SAN DIEGO	47,948	46,481	96.9%	46,744	97.5%	46,914	97.8%	46,976	98.0%	46,519	97.0%	46,841	97.7%
SAN FRANCISCO	13,065	12,803	98.0%	12,873	98.5%	12,846	98.3%	12,896	98.7%	12,816	98.1%	12,853	98.4%
SAN JOAQUIN	10,202	9,934	97.4%	10,048	98.5%	10,100	99.0%	10,105	99.0%	10,025	98.3%	10,071	98.7%
SAN LUIS OBISPO	3,062	2,995	97.8%	2,991	97.7%	3,006	98.2%	3,006	98.2%	2,980	97.3%	3,002	98.0%
SAN MATEO	13,947	13,796	98.9%	13,812	99.0%	13,835	99.2%	13,835	99.2%	13,774	98.8%	13,804	99.0%
SANTA BARBARA	5,881	5,742	97.6%	5,775	98.2%	5,786	98.4%	5,787	98.4%	5,724	97.3%	5,767	98.1%
SANTA CLARA	33,388	32,770	98.1%	32,960	98.7%	32,936	98.6%	32,993	98.8%	32,811	98.3%	32,940	98.7%
SANTA CRUZ	3,420	3,267	95.5%	3,280	95.9%	3,294	96.3%	3,294	96.3%	3,235	94.6%	3,278	95.8%
SHASTA	2,131	2,046	96.0%	2,065	96.9%	2,072	97.2%	2,076	97.4%	2,041	95.8%	2,074	97.3%
SIERRA	31	26	83.9%	--*	≥95.0%	--*	≥95.0%	--*	≥95.0%	--*	≥95.0%	--*	≥95.0%
SISKIYOU	441	426	96.6%	425	96.4%	428	97.1%	431	97.7%	427	96.8%	428	97.1%
SOLANO	3,282	3,162	96.3%	3,200	97.5%	3,197	97.4%	3,207	97.7%	3,170	96.6%	3,193	97.3%
SONOMA	5,788	5,489	94.8%	5,491	94.9%	5,506	95.1%	5,506	95.1%	5,443	94.0%	5,506	95.1%
STANISLAUS	6,777	6,640	98.0%	6,698	98.8%	6,703	98.9%	6,714	99.1%	6,693	98.8%	6,700	98.9%
SUTTER	1,522	1,504	98.8%	1,510	99.2%	1,512	99.3%	1,500	98.6%	1,493	98.1%	1,509	99.1%
TEHAMA	697	676	97.0%	683	98.0%	690	99.0%	688	98.7%	680	97.6%	690	99.0%
TRINITY	55	52	94.5%	52	94.5%	52	94.5%	53	96.4%	52	94.5%	51	92.7%
TULARE	4,476	4,400	98.3%	4,447	99.4%	4,457	99.6%	4,459	99.6%	4,434	99.1%	4,456	99.6%
TUOLUMNE	510	477	93.5%	484	94.9%	489	95.9%	491	96.3%	487	95.5%	488	95.7%
VENTURA	11,900	11,604	97.5%	11,677	98.1%	11,699	98.3%	11,715	98.4%	11,633	97.8%	11,690	98.2%
YOLO	3,172	3,134	98.8%	3,137	98.9%	3,149	99.3%	3,149	99.3%	3,120	98.4%	3,145	99.1%
YUBA	915	875	95.6%	902	98.6%	900	98.4%	907	99.1%	898	98.1%	903	98.7%

* Additional precautions for student de-identification are based on jurisdiction enrollment for child care. For jurisdictions with: Fewer than 20 enrollees, the data are omitted; 20-49 enrollees, values of 95% or higher are listed as ≥95%; 50-99 enrollees, values of 98% or higher are listed as ≥98%; 100-499 enrollees, values of 99% or higher are listed as ≥99%.