

2018-2019 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 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. 2018-2019 is the third 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 2018-2019 reported to have received all required vaccines is 95.9%, a 0.3 percentage point increase from the 2017-2018 school year and a 6.7 percentage point increase over the five years since 2013-2014. The 2018-2019 rate of 95.9% 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 increased between 0.1 percentage points for Measles, Mumps and Rubella (MMR) vaccine and *Haemophilus influenzae* type b (Hib) vaccine to 0.3 percentage points for Hepatitis B vaccine. In 2018-2019, 5 (9%) counties reported fewer than 95% of their children as having had one or more doses of MMR vaccine, compared to 3 (5%) in 2017-2018 and 17 (29%) counties in 2015-2016.

The proportion of children reported as conditional entrants declined from 1.7% in 2017-2018 to 1.6% in 2018-2019, a 0.1 percentage point decrease over one year and a 5.8 percentage point decrease over the three years since 2014-2015. The present rate of 1.6% is the lowest reported for the current set of immunization requirements to attend child care.

The proportion of children reported with PBEs decreased in 2018-2019 from 0.4% to 0.1%. Under SB 277, PBEs remained valid for children who entered child care before 2016 and continued in child care during 2018-2019. 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 2017-2018, in 2018-2019 the proportion of children reported as:

- Having permanent medical exemptions increased from 0.6% to 0.7%.
- 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 1.7% to 1.5%.

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.

2018-2019 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 2018-2019 school year reported by public, private and Head Start facilities statewide (Table 1, Figures 1-11) and by county (Tables 2-11, 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. 2018-2019 was the third 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 and schools to improve their application of the [Conditional Admission Immunization Schedule](#) for the conditional admission of eligible children.

Methods

During the autumn of 2018, 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 2018-2019 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 2018-2019 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 2015-2016 and earlier school years any immunizations received by children with PBEs or PME 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 decreased by 1.4 percentage points from 525,186 in 2017-2018 to 517,869 in the 2018-2019 school year (Table 1). The number of facilities that reported decreased by 2.1 percentage points from 10,019 in 2017-2018 to 9,808 in 2018-2019, and the number that did not report increased from 558 in 2017-2018 to 771 in 2018-2019 (Tables 1 and 2). For the three major categories of facilities, the number that reported of:

- Head Start facilities increased from 1,391 to 1,407.
- Public facilities decreased from 2,813 to 2,789.
- Private facilities decreased from 5,815 to 5,612.

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 517,869 children whose facilities reported their status, 496,758 (95.9%) had received all required immunizations, an increase from the previous school year of 0.3 percentage points (Table 1) and an increase over three school years since 2015-2016 of 5.4 percentage points (Figures 1, 6). For counties reporting at least 50 children, the highest rates of at least 98% were reported in Glenn, Colusa, San Mateo, Kings, and Yolo counties (Tables 3-5). In 2018-2019, 4 (7%) of 58 counties in California reported fewer than 90% of their children as having received all required vaccines, compared to 6 (10%) counties in 2017-2018 (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 (98.3%), compared to public (95.8%) and private (95.5%) facilities. However, the disparities between these categories have continued to narrow. In 2018-2019 the rates rose over one year by 0.5 percentage points (from 95.0% to 95.5%) in private facilities, 0.1 percentage points (from 95.7% to 95.8%) in public facilities, and 0.1 percentage points (from 98.2% to 98.3%) in Head Start facilities (Table 1, Figures 1 and 7-9).

Specific immunizations: Completion rates for specific immunizations varied between 97.6% for DTP vaccine and 98.5% for Hib vaccine (Tables 1 and 11, Figure 5). Completion rates for specific immunizations increased between 0.1 percentage points for MMR and Hib to 0.3 percentage points for Hep B (Tables 1 and 9, Figure 5). Rates of receipt continue to be higher in Head Start facilities; for MMR, 99.7% of children at Head Start facilities, 98.6% at public

facilities, and 98.0% at private facilities were reported as having received at least one dose, similar to relative rates in these settings for 2017-2018. In 2018-2019, 5 (9%) counties reported fewer than 95% of their children as having had one dose of MMR (Table 11, Figure 11), compared to 3 (5%) in 2017-2018 and 17 (29%) counties in 2015-2016.

Conditional entrants: Over the last four school years, the proportion of children reported as conditional entrants decreased from 7.4% in 2014-2015 to 1.6% in 2018-2019 (Table 1, Figures 2 and 6). Compared to the 2017-2018 school year, the proportion of conditional entrants in 2018-2019 decreased by 0.1 percentage points. The rate of conditional entrants decreased in the categories of public (-0.2 percentage points) and private (-0.1 percentage points) facilities but increased in Head Start (+0.2 percentage points) facilities (Table 1).

Of 58 counties, 34 (59%) reported overall reductions in conditional entrants, with the largest reductions in counties with more than 50 enrolled children reported for Mariposa (7.4 percentage points), Trinity (3.7 percentage points), and Inyo (3.5 percentage points) counties (Table 6). Of the 1.6% of children reported as conditional entrants in 2018-2019, 0.3% were reported as having had a temporary medical exemption, unchanged from 2017-2018.

PMEs: The percentage of children with PMEs increased from 0.6% in 2017-2018 to 0.7% in 2018-2019 (Tables 1 and 7, Figure 3), primarily reflecting an increase from 2,620 (0.8%) to 3,229 (1.0%) in the number of children with PMEs at private facilities and from 333 (0.2%) to 499 (0.4%) at public facilities (Figures 3, 7 and 8). The proportion of children with PMEs in Head Start (0.1%) facilities was similar to 2017-2018 (Figures 3 and 9).

PBEs: With the option of PBEs available to prior entrants but no longer to new entrants since 2016 under SB 277, the percentage of children with PBEs decreased to 0.1% in 2018-2019, compared to 0.4% in 2017-2018, 2.3% in 2015-2016 and 2.9% 2013-2014 (Table 8, Figures 4 and 6). In 2018-2019 PBE rates declined over one year from 0.5% to 0.2% in private facilities, from 0.1% to 0.0% in public facilities, and remained at 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%-1.3% (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 2018-2019 (Tables 1, 3, and 9, Figure 6).

Overdue: The percentage of children reported as being overdue for one or more immunizations declined from 1.7% in 2017-2018 to 1.5% in 2018-2019 (Tables 1, 3 and 10, Figure 6), reflecting decreases in public (from 1.9% to 1.7%), private (from 1.8% to 1.6%) and in Head Start (from 0.7% to 0.4%) 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 remained at 99.0% from 2017-2018 to 2018-2019.

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, remained at 1.0% from 2017-2018 to 2018-2019; the combined rate decreased from 1.4% to 1.2% for private facilities, increased from 0.6% to 0.8% for public facilities, and remained at 0.1% in Head Start facilities.

Over time the combined rate has been 3.2% in 2013-2014, 2.8% in 2015-2016, 1.5% in 2016-2017, and 1.0% in 2018-2019.

Discussion

In comparing the 2018-2019 school year to 2017-2018, the proportion of children reported to enter child care in California after receiving all required immunizations increased by 0.3 percentage points to 95.9%, following an increase by 5.5 percentage points between the 2014-2015 and 2016-2017 school years. The 2018-2019 rate of 95.9% 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 (517,869) whose status was collected in 2018-2019 remains at amongst the highest reported since the 2001-2002 school year.

The 6.6 percentage point increase in the receipt of all required vaccines since 2013-2014 is similar in magnitude to a 5.9 percentage point decrease in children reported as conditional entrants, including a further decrease by 0.1 percentage points in between 2017-2018 and 2018-2019. The current reported rate of conditional entrants, 1.6%, 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 1.6% of entrants reported as overdue in 2018-2019. Many facilities that in more recent school years have reported children as being overdue for required immunizations had previously reported 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 3.1% of children reported in 2018-2019, compared to 3.4% of children reported in 2017-2018.

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 2018-2019 has decreased to 0.1%. As children currently in child care eventually advance to kindergarten, the proportion of children with PBEs is expected to decrease to zero. In 2018-2019, 0.7% of children were reported with PME, and another 0.1% lacked required immunizations under other criteria introduced in SB 277. The proportion of entrants reported as not having had required immunizations because of PBEs, PMEs or other

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

criteria related to SB 277 has decreased from 3.2% in 2013-2014 to 1.0% in 2018-2019. Future assessments will continue to monitor these categories.

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 2018-2019, 4 (7%) of 58 counties in California reported rates of children with all required vaccines that are below 90% (Figure 10), compared to 6 (10%) in 2017-2018 and 28 (48%) in 2015-2016. 5 (9%) counties, compared to 3 (5%) in 2017-2018 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:

- 771 California child care facilities, including 476 private facilities, 156 public facilities, 19 Head Start facilities and 120 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. As private facilities have reported lower coverage rates than have public or Head Start facilities, decreased reporting by private facilities might contribute to increases in overall rates.
- Part of the relative improvements in the completion rates of specific immunization series starting in the 2016-2017 school year may have been due to the inclusion in reporting of doses received by partially immunized children who had PBEs or PME's 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 for specific vaccines in prior years and overestimates of their increases between recent and prior years. The magnitude of the resultant increase to the rate of any immunization series in 2018-2019 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 (PME's, PBE's or 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 11. Number and Percentage of Children with Required Immunizations by Vaccine Series, 2018-2019, by County

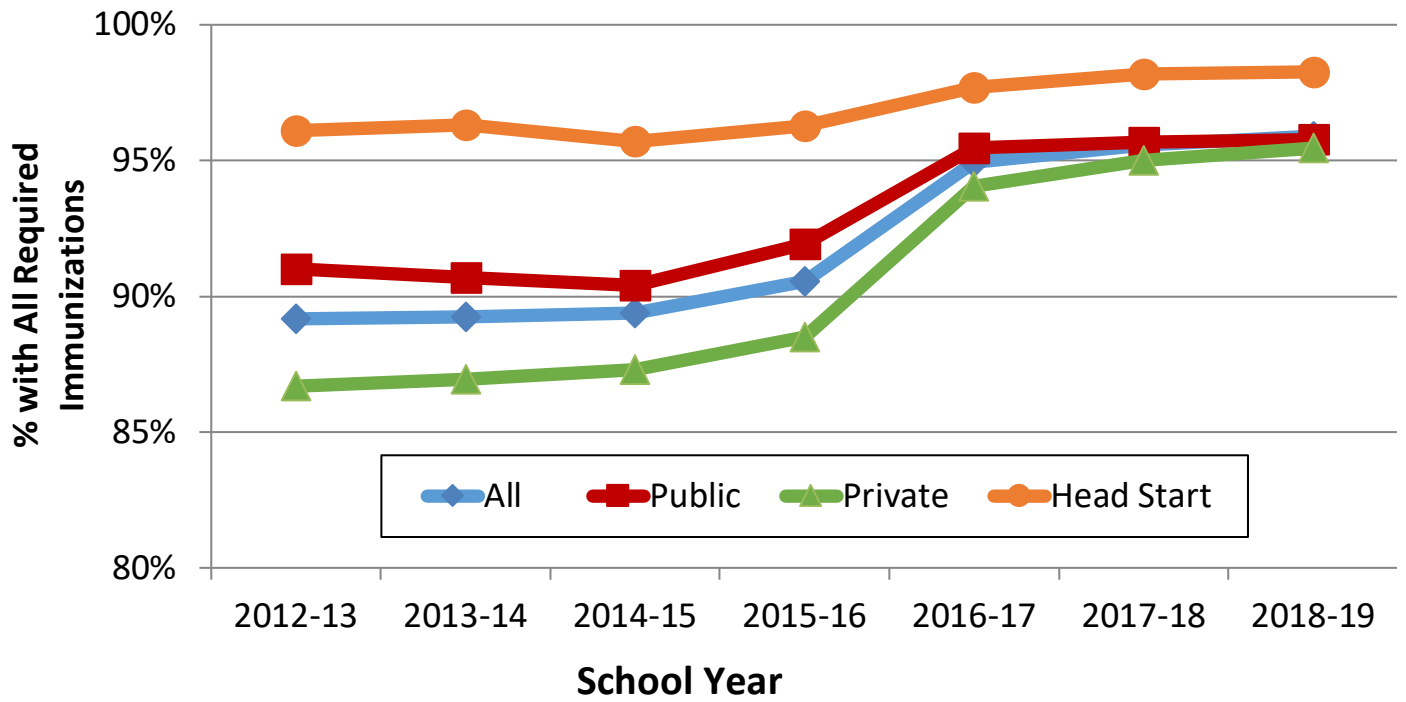


Figure 1. Percentage of Children with All Required Immunizations, by Facility Type and School Year, 2012-2013 to 2018-2019

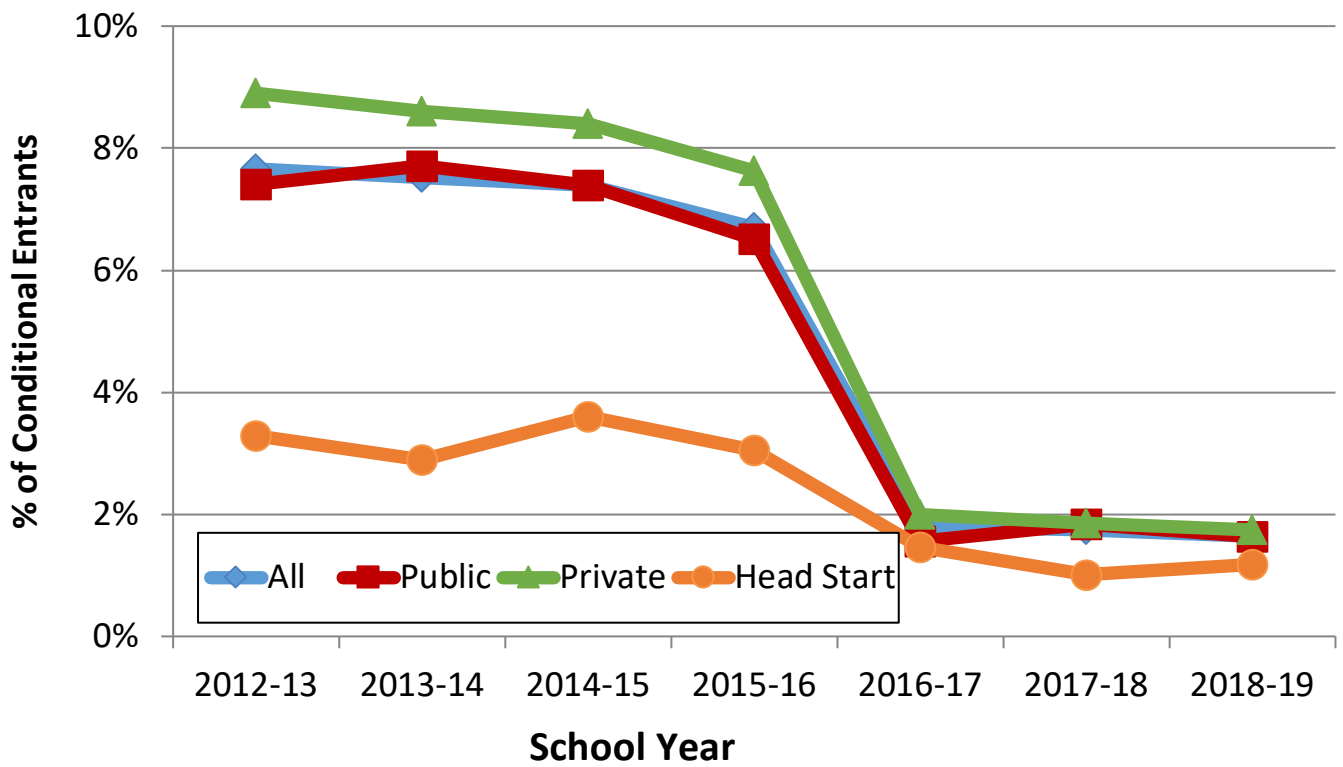


Figure 2. Percentage of Conditional Entrants into Child Care, by Facility Type and School Year, 2012-2013 to 2018-2019

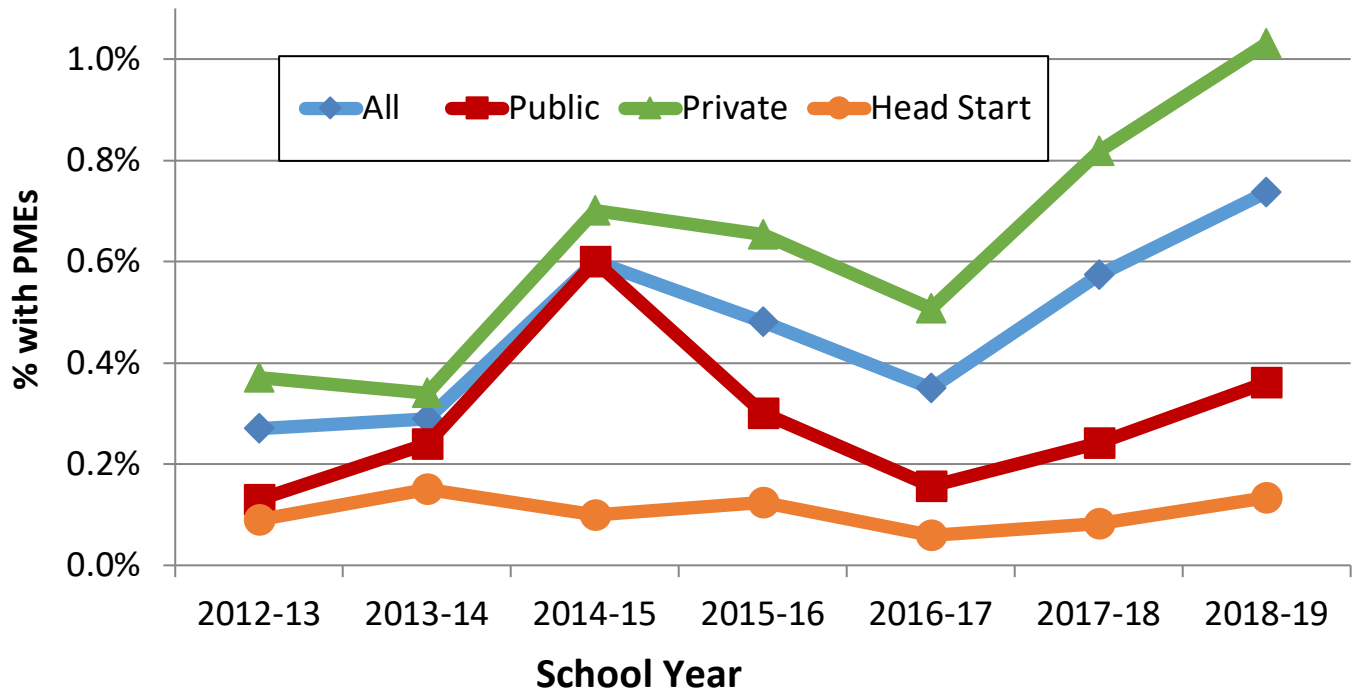


Figure 3. Percentage of Children with Permanent Medical Exemptions (PMEs), by Facility Type and School Year, 2012-2013 to 2018-2019

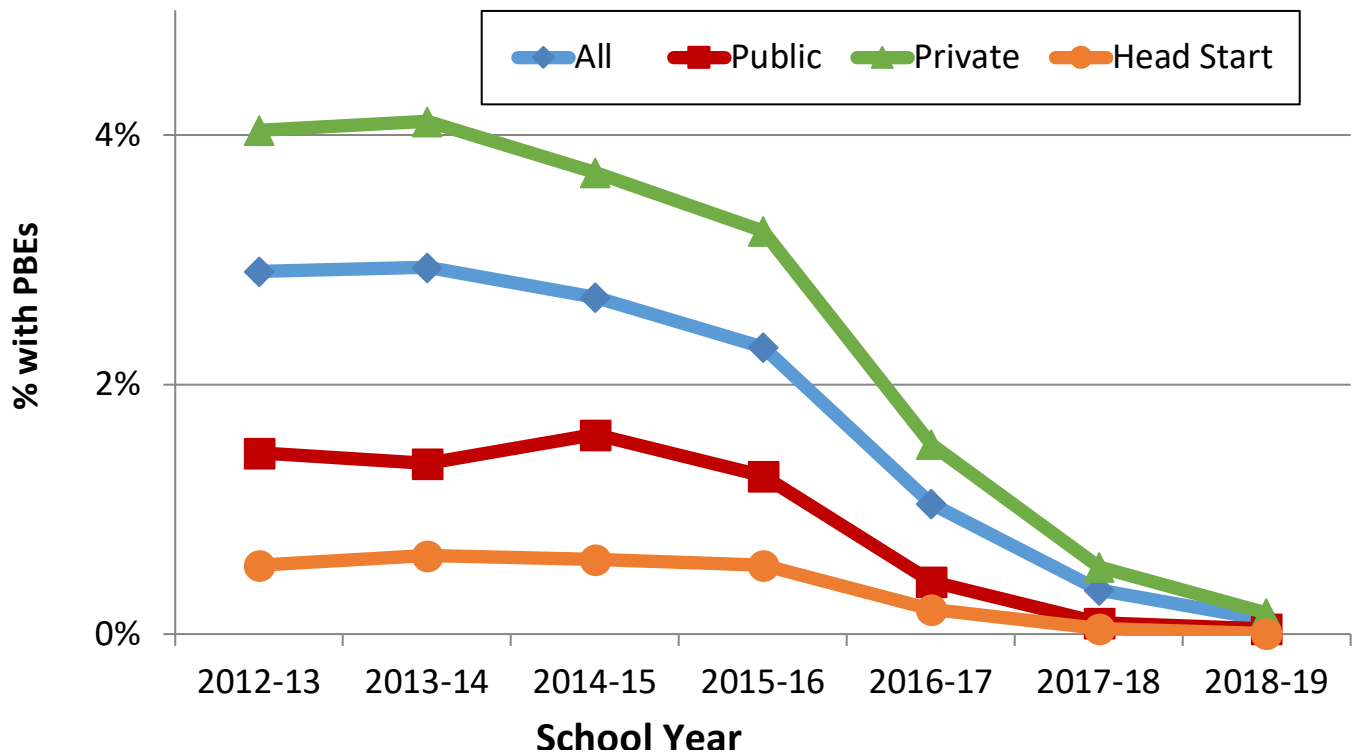


Figure 4. Percentage of Children with Personal Belief Exemptions (PBEs), by Facility Type and School Year, 2012-2013 to 2018-2019

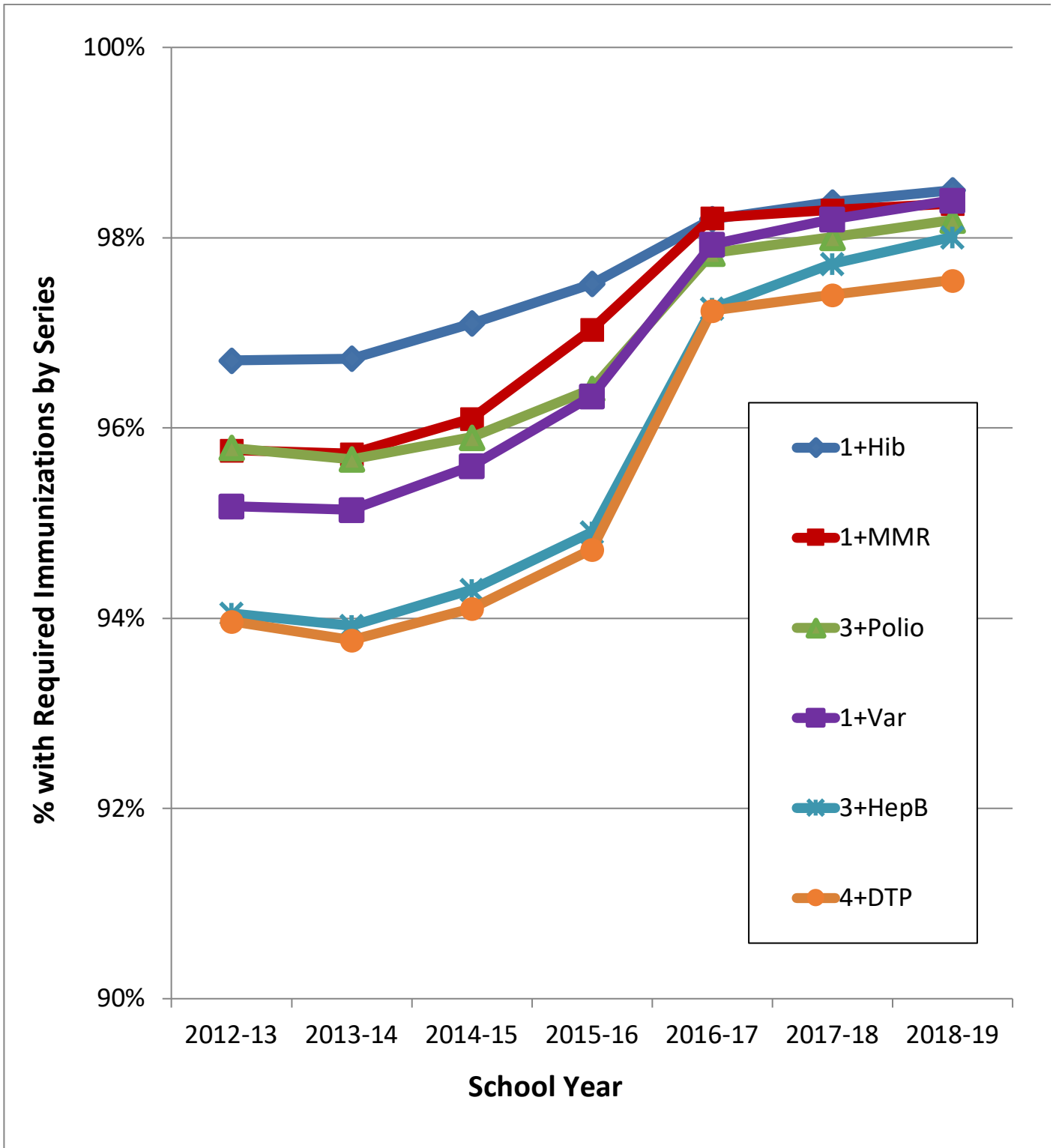
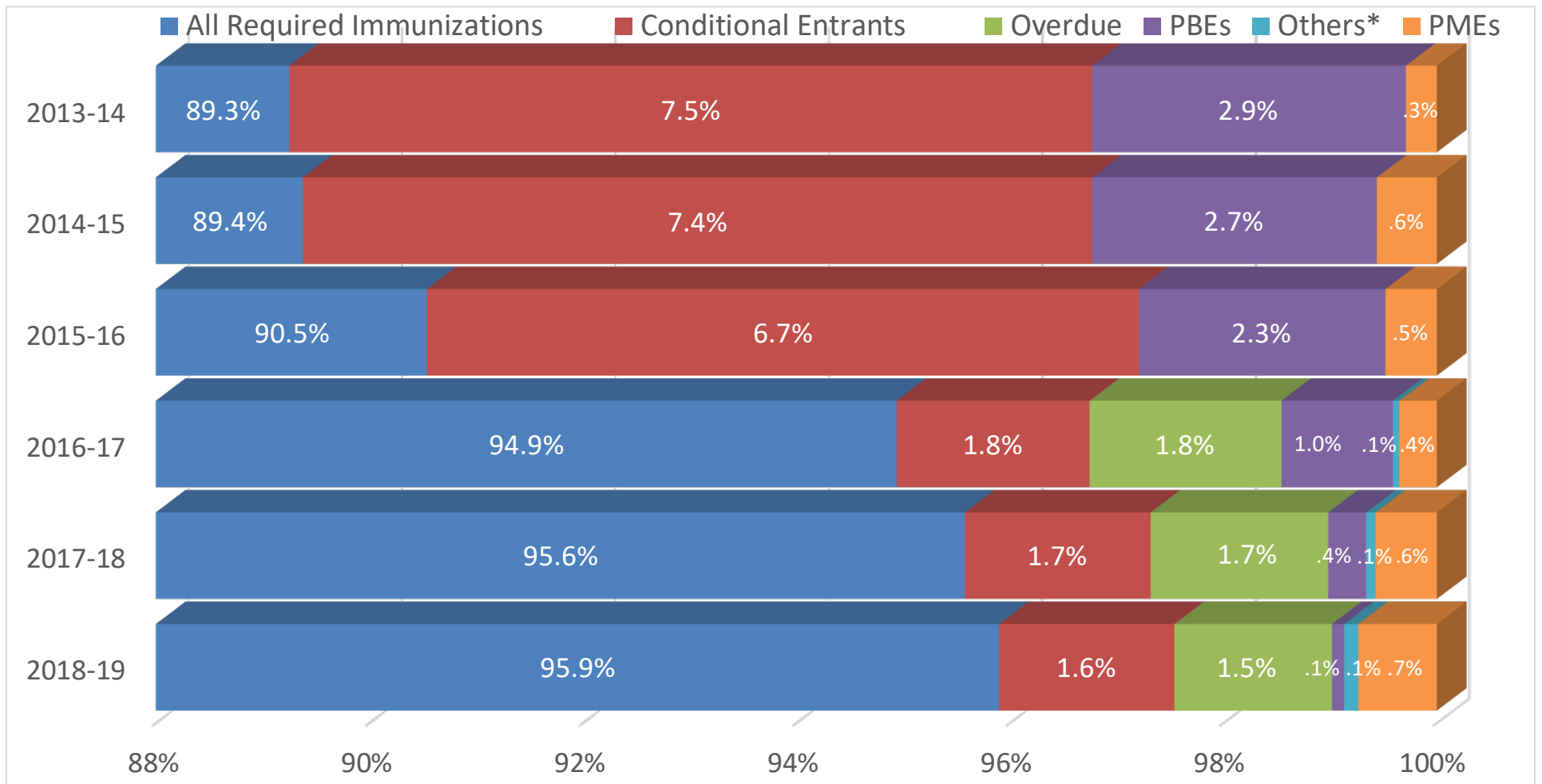
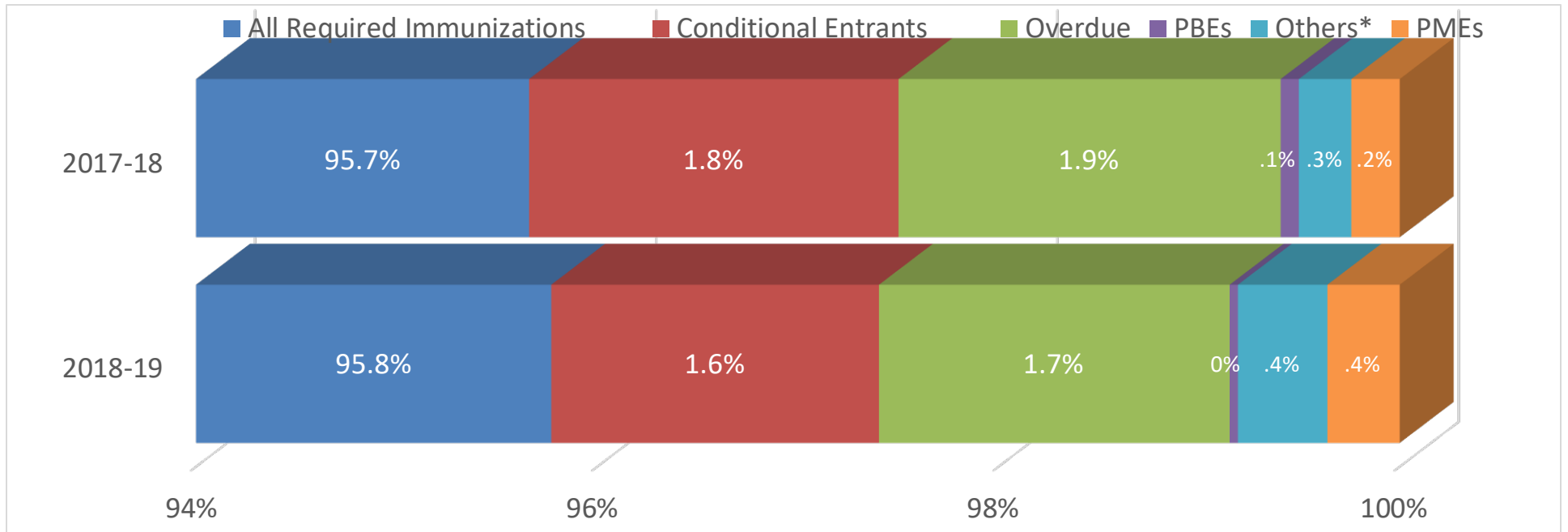


Figure 5. Percentage of Children with Specific Required Immunizations by Series and School Year, 2012-2013 to 2018-2019



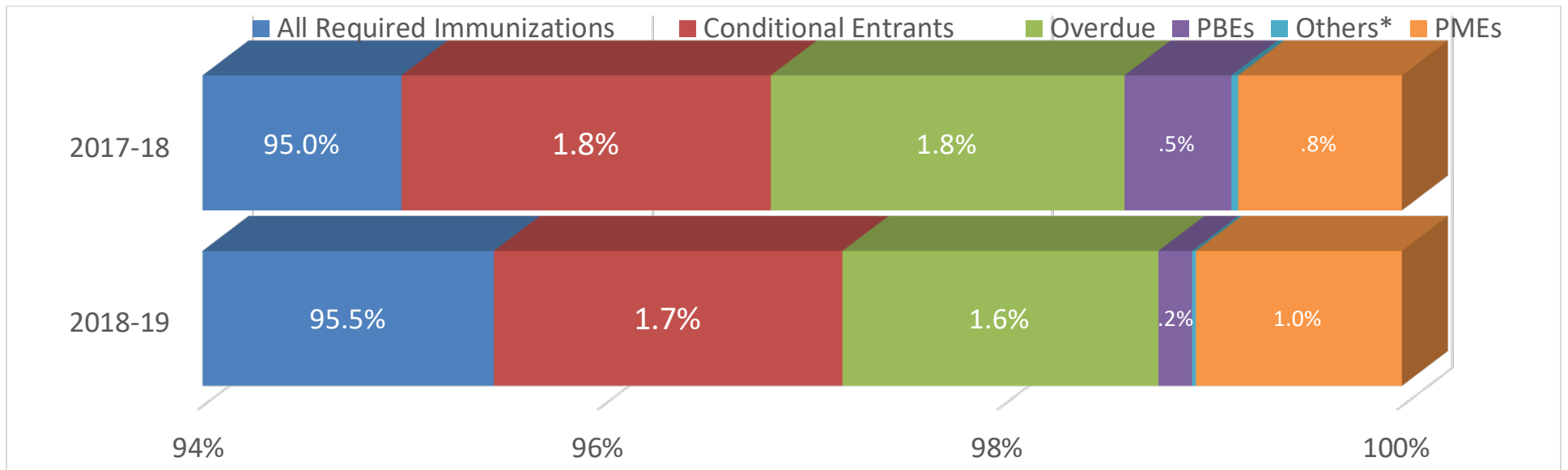
*Other children lacking required immunizations under criteria specified in SB 277.

Figure 6. Percentage of All Children by Reported Admission Status by School Year, 2013-2014 to 2018-2019. 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.



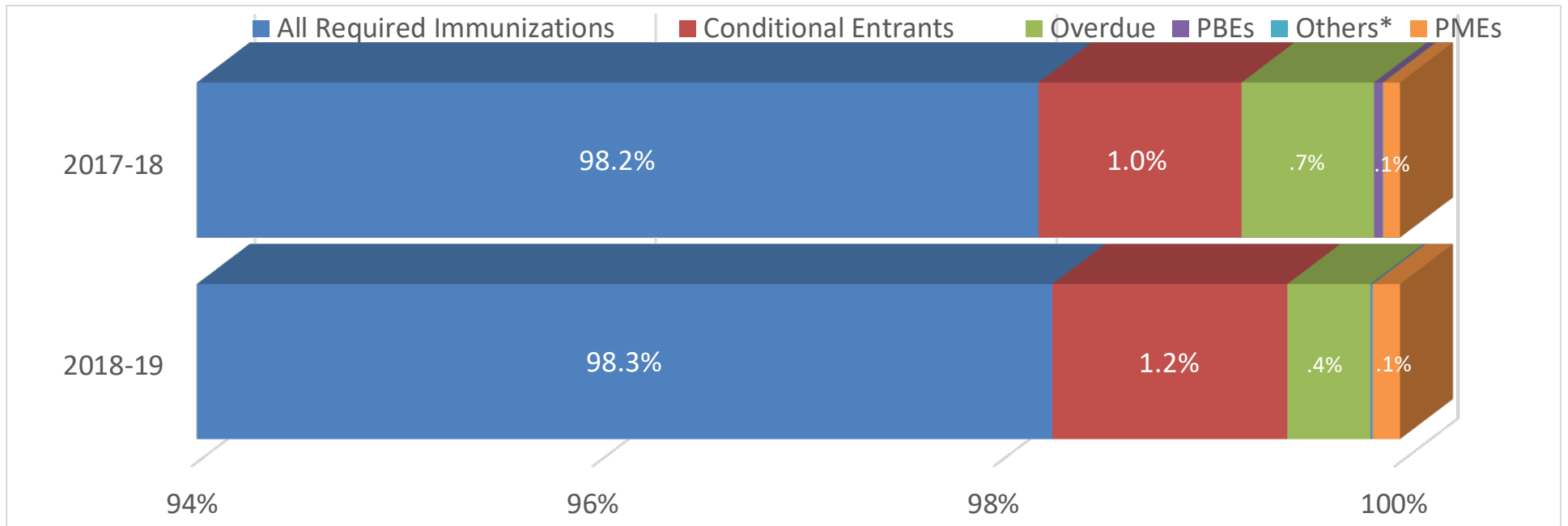
*Other children lacking required immunizations under criteria specified in SB 277.

Figure 7. Percentage of Children in Public Facilities by Reported Admission Status by School Year, 2017-2018 and 2018-2019



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

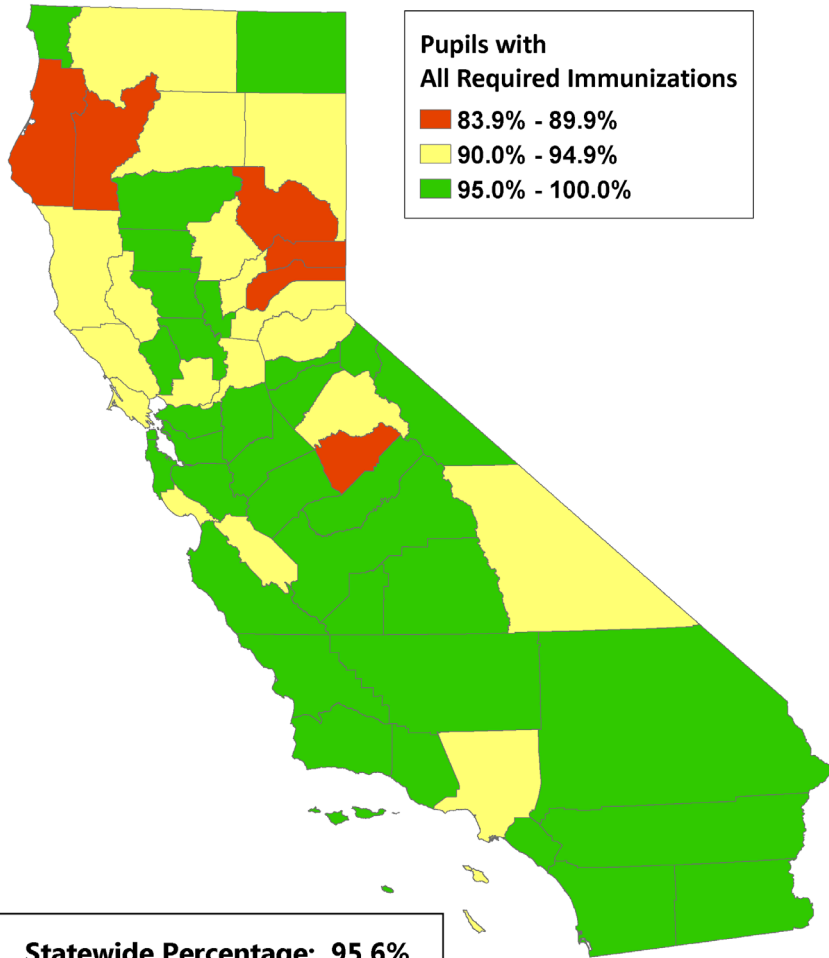
Figure 8. Percentage of Children in Private Facilities by Reported Admission Status by School Year, 2017-2018 and 2018-2019



*Other children lacking required immunizations under criteria specified in SB 277. 0.0% reported in this category and for the category of personal belief exemptions in both school years.

Figure 9. Percentage of Children in Head Start Facilities by Reported Admission Status by School Year, 2017-2018 and 2018-2019.

2017-2018 School Year



2018-2019 School Year

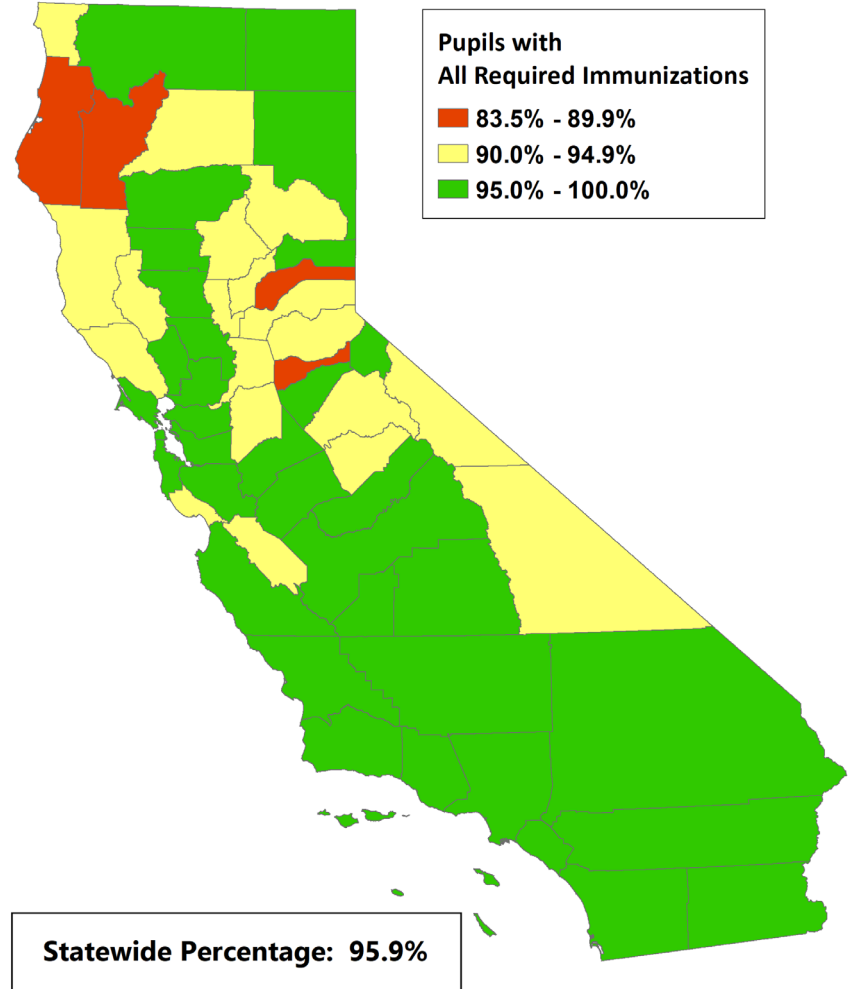


Figure 10. Children with All Required Immunizations, by County, 2017-2018 and 2018-2019 School Years

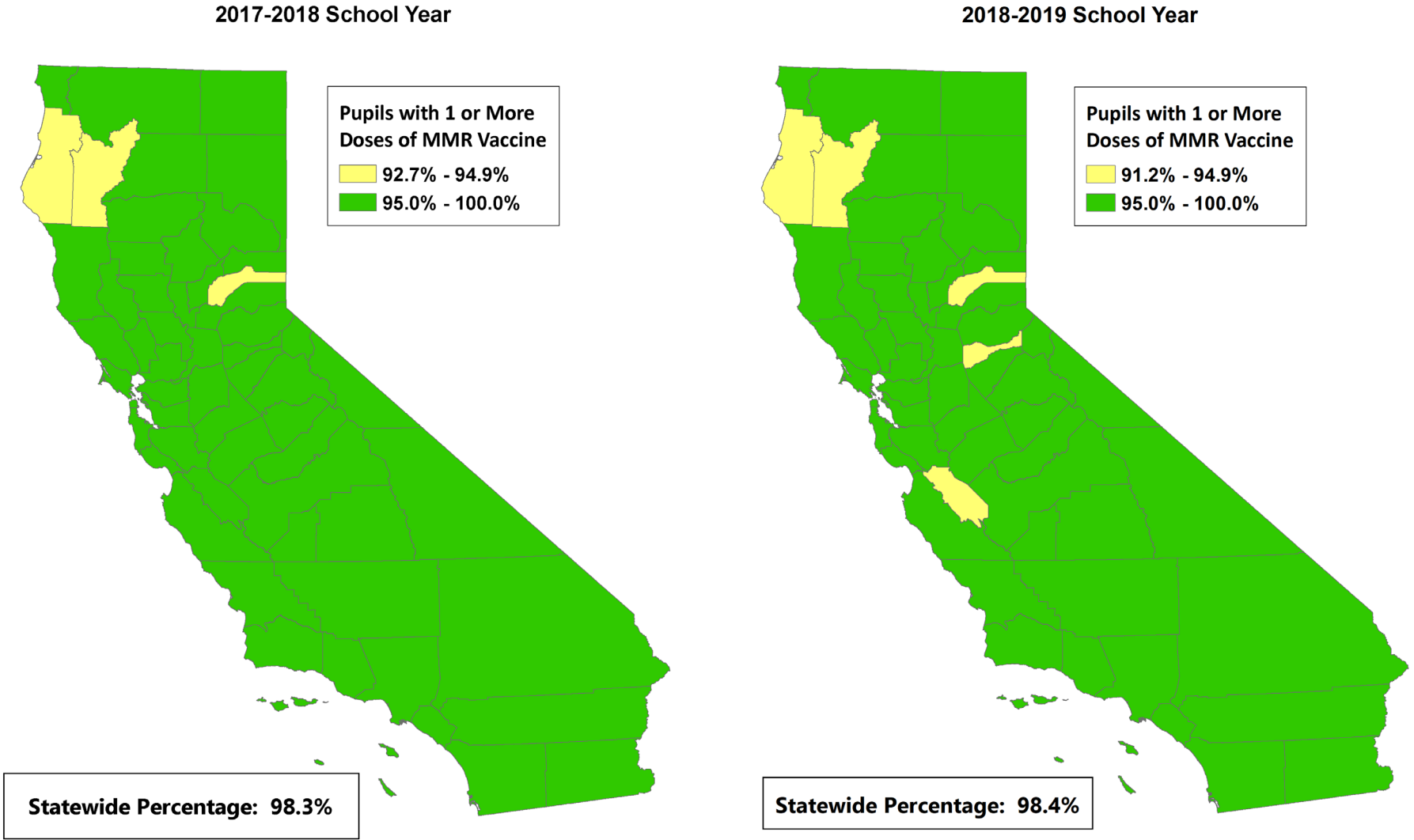


Figure 11. Children with 1 or More Doses of MMR Vaccine, by County, 2017-2018 and 2018-2019 School Years

Table 1: Child Care Immunization Assessment Summary, 2017-2018 and 2018-2019 School Years

	2018-2019				2017-2018				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	9,808	2,789	5,612	1,407	10,019	2,813	5,815	1,391				
Number of Children	517,869	138,336	313,300	66,233	525,186	137,969	319,864	67,353				
All Required Immunizations	95.9%	95.8%	95.5%	98.3%	95.6%	95.7%	95.0%	98.2%	0.3%	0.1%	0.5%	0.1%
Conditional Entrants	1.6%	1.6%	1.7%	1.2%	1.7%	1.8%	1.8%	1.0%	-0.1%	-0.2%	-0.1%	0.2%
Permanent Medical Exemptions	0.7%	0.4%	1.0%	0.1%	0.6%	0.2%	0.8%	0.1%	0.2%	0.1%	0.2%	0.1%
Personal Belief Exemptions	0.1%	0.0%	0.2%	0.0%	0.4%	0.1%	0.5%	0.0%	-0.2%	0.0%	-0.4%	0.0%
Others Lacking immunizations*	0.1%	0.4%	0.0%	0.0%	0.1%	0.3%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%
Overdue^	1.5%	1.7%	1.6%	0.4%	1.7%	1.9%	1.8%	0.7%	-0.2%	-0.2%	-0.2%	-0.2%
4+ DTP	97.6%	97.5%	97.4%	98.6%	97.4%	97.4%	97.2%	98.6%	0.2%	0.1%	0.2%	0.0%
3+ Polio	98.2%	98.4%	97.8%	99.5%	98.0%	98.3%	97.6%	99.3%	0.2%	0.1%	0.2%	0.1%
1+ MMR	98.4%	98.6%	98.0%	99.7%	98.3%	98.7%	97.8%	99.6%	0.1%	0.0%	0.1%	0.1%
1+ HIB	98.5%	98.6%	98.2%	99.7%	98.4%	98.5%	98.1%	99.6%	0.1%	0.1%	0.1%	0.2%
3+ Hep B	98.0%	98.4%	97.5%	99.5%	97.7%	98.2%	97.2%	99.3%	0.3%	0.2%	0.3%	0.2%
1+ Var (or physician-documented disease)	98.4%	98.8%	97.9%	99.7%	98.2%	98.7%	97.7%	99.6%	0.2%	0.1%	0.3%	0.1%

*Includes children reported as receiving IEP services.

^Overdue for one or more required immunizations.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2018-2019
 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	10579 ¹	9,808	92.7%	2,945	2,789	94.7%	6,088	5,612	92.2%	1,426	1,407	98.7%
COUNTY												
ALAMEDA	553	510	92.2%	108	103	95.4%	390	360	92.3%	48	47	97.9%
ALPINE	1	1	100.0%	1	1	100.0%	0	0	0.0%	0	0	0.0%
AMADOR	14	14	100.0%	4	4	100.0%	6	6	100.0%	4	4	100.0%
BUTTE	75	75	100.0%	26	26	100.0%	39	39	100.0%	10	10	100.0%
CALAVERAS	16	15	93.8%	5	5	100.0%	4	3	75.0%	7	7	100.0%
COLUSA	11	11	100.0%	0	0	0.0%	2	2	100.0%	9	9	100.0%
CONTRA COSTA	330	312	94.5%	60	55	91.7%	245	233	95.1%	24	24	100.0%
DEL NORTE	11	11	100.0%	6	6	100.0%	2	2	100.0%	3	3	100.0%
EL DORADO	58	58	100.0%	14	14	100.0%	33	33	100.0%	11	11	100.0%
FRESNO	292	292	100.0%	155	155	100.0%	95	95	100.0%	42	42	100.0%
GLENN	8	8	100.0%	1	1	100.0%	2	2	100.0%	5	5	100.0%
HUMBOLDT	53	53	100.0%	12	12	100.0%	28	28	100.0%	13	13	100.0%
IMPERIAL	55	51	92.7%	17	16	94.1%	24	21	87.5%	14	14	100.0%
INYO	13	13	100.0%	6	6	100.0%	4	4	100.0%	3	3	100.0%
KERN	190	188	98.9%	72	72	100.0%	70	68	97.1%	48	48	100.0%
KINGS	46	27	58.7%	19	16	84.2%	14	11	78.6%	10	0	0.0%
LAKE	20	17	85.0%	11	10	90.9%	4	3	75.0%	5	4	80.0%
LASSEN	12	7	58.3%	7	3	42.9%	1	0	0.0%	4	4	100.0%
LOS ANGELES	2,640	2,107	79.8%	557	459	82.4%	1,557	1,210	77.7%	444	438	98.6%
MADERA	49	43	87.8%	16	16	100.0%	17	11	64.7%	16	16	100.0%
MARIN	125	125	100.0%	18	18	100.0%	97	97	100.0%	10	10	100.0%
MARIPOSA	4	4	100.0%	3	3	100.0%	0	0	0.0%	1	1	100.0%
MENDOCINO	39	28	71.8%	23	16	69.6%	9	8	88.9%	4	4	100.0%
MERCED	81	79	97.5%	46	45	97.8%	18	18	100.0%	16	16	100.0%
MODOC	8	8	100.0%	6	6	100.0%	2	2	100.0%	0	0	#DIV/0!
MONO	8	8	100.0%	5	5	100.0%	2	2	100.0%	1	1	100.0%
MONTEREY	127	127	100.0%	71	71	100.0%	32	32	100.0%	24	24	100.0%
NAPA	49	49	100.0%	21	21	100.0%	22	22	100.0%	6	6	100.0%

¹Includes 120 (1.1%) licensed child care facilities that did not report their data and category.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2018-2019
 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	10579 ¹	9,808	92.7%	2,945	2,789	94.7%	6,088	5,612	92.2%	1,426	1,407	98.7%
COUNTY												
NEVADA	31	26	83.9%	15	12	80.0%	12	11	91.7%	3	3	100.0%
ORANGE	788	788	100.0%	218	218	100.0%	530	530	100.0%	40	40	100.0%
PLACER	107	106	99.1%	34	34	100.0%	60	59	98.3%	13	13	100.0%
PLUMAS	9	9	100.0%	5	5	100.0%	3	3	100.0%	1	1	100.0%
RIVERSIDE	383	372	97.1%	131	124	94.7%	193	189	97.9%	59	59	100.0%
SACRAMENTO	410	410	100.0%	92	92	100.0%	232	232	100.0%	86	86	100.0%
SAN BENITO	17	14	82.4%	6	5	83.3%	9	8	88.9%	1	1	100.0%
SAN BERNARDINO	419	406	96.9%	199	197	99.0%	179	169	94.4%	40	40	100.0%
SAN DIEGO	834	834	100.0%	246	246	100.0%	502	502	100.0%	86	86	100.0%
SAN FRANCISCO	292	290	99.3%	53	53	100.0%	210	208	99.0%	29	29	100.0%
SAN JOAQUIN	247	247	100.0%	113	113	100.0%	93	93	100.0%	41	41	100.0%
SAN LUIS OBISPO	97	96	99.0%	28	28	100.0%	56	55	98.2%	13	13	100.0%
SAN MATEO	273	272	99.6%	64	64	100.0%	198	197	99.5%	11	11	100.0%
SANTA BARBARA	140	131	93.6%	39	37	94.9%	72	66	91.7%	28	28	100.0%
SANTA CLARA	584	584	100.0%	87	87	100.0%	480	480	100.0%	17	17	100.0%
SANTA CRUZ	103	101	98.1%	24	24	100.0%	62	61	98.4%	16	16	100.0%
SHASTA	71	67	94.4%	30	29	96.7%	27	24	88.9%	14	14	100.0%
SIERRA	1	1	100.0%	0	0	0.0%	1	1	100.0%	0	0	0.0%
SISKIYOU	18	16	88.9%	7	5	71.4%	8	8	100.0%	3	3	100.0%
SOLANO	90	73	81.1%	28	26	92.9%	45	35	77.8%	12	12	100.0%
SONOMA	150	148	98.7%	29	28	96.6%	107	106	99.1%	14	14	100.0%
STANISLAUS	130	113	86.9%	35	29	82.9%	58	49	84.5%	35	35	100.0%
SUTTER	37	37	100.0%	14	14	100.0%	16	16	100.0%	7	7	100.0%
TEHAMA	30	24	80.0%	11	11	100.0%	6	5	83.3%	8	8	100.0%
TRINITY	4	4	100.0%	4	4	100.0%	0	0	0.0%	0	0	0.0%
TULARE	109	85	78.0%	41	37	90.2%	41	28	68.3%	21	20	95.2%
TUOLUMNE	15	15	100.0%	3	3	100.0%	6	6	100.0%	6	6	100.0%
VENTURA	208	208	100.0%	63	63	100.0%	119	119	100.0%	26	26	100.0%
YOLO	75	73	97.3%	25	25	100.0%	39	37	94.9%	11	11	100.0%
YUBA	19	17	89.5%	11	11	100.0%	5	3	60.0%	3	3	100.0%

¹Includes 120 (1.1%) licensed child care facilities that did not report their data and category.

CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2018-2019
 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	517,869	496,758	95.9%	8,380	1.6%	3,817	0.7%	588	0.1%	680	0.1%	7,646	1.5%
COUNTY													
ALAMEDA	25,380	24,624	97.0%	239	0.9%	105	0.4%	25	0.1%	179	0.7%	208	0.8%
ALPINE	13	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*
AMADOR	274	242	88.3%	23	8.4%	6	2.2%	0	0.0%	0	0.0%	3	1.1%
BUTTE	3,049	2,874	94.3%	96	3.1%	17	0.6%	10	0.3%	3	0.1%	49	1.6%
CALAVERAS	243	231	95.1%	6	2.5%	4	1.6%	0	0.0%	1	0.4%	1	0.4%
COLUSA	327	322	98.5%	3	0.9%	0	0.0%	0	0.0%	0	0.0%	2	0.6%
CONTRA COSTA	16,060	15,682	97.6%	158	1.0%	105	0.7%	5	0.0%	7	0.0%	103	0.6%
DEL NORTE	275	261	94.9%	3	1.1%	4	1.5%	0	0.0%	0	0.0%	7	2.5%
EL DORADO	2,096	1,941	92.6%	39	1.9%	39	1.9%	4	0.2%	8	0.4%	65	3.1%
FRESNO	15,443	15,066	97.6%	131	0.8%	39	0.3%	0	0.0%	5	0.0%	202	1.3%
GLENN	240	239	99.6%	1	0.4%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
HUMBOLDT	1,623	1,356	83.5%	90	5.5%	79	4.9%	21	1.3%	1	0.1%	76	4.7%
IMPERIAL	2,621	2,547	97.2%	54	2.1%	3	0.1%	1	0.0%	0	0.0%	16	0.6%
INYO	234	222	94.9%	1	0.4%	0	0.0%	0	0.0%	2	0.9%	9	3.8%
KERN	9,979	9,639	96.6%	180	1.8%	38	0.4%	6	0.1%	7	0.1%	109	1.1%
KINGS	1,091	1,069	98.0%	5	0.5%	0	0.0%	0	0.0%	0	0.0%	17	1.6%
LAKE	544	513	94.3%	17	3.1%	5	0.9%	0	0.0%	1	0.2%	8	1.5%
LASSEN	150	143	95.3%	7	4.7%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
LOS ANGELES	121,172	115,497	95.3%	2,485	2.1%	717	0.6%	110	0.1%	51	0.0%	2,312	1.9%
MADERA	1,704	1,629	95.6%	41	2.4%	2	0.1%	0	0.0%	0	0.0%	32	1.9%
MARIN	5,013	4,761	95.0%	104	2.1%	90	1.8%	7	0.1%	2	0.0%	49	1.0%
MARIPOSA	68	63	92.6%	1	1.5%	2	2.9%	0	0.0%	0	0.0%	2	2.9%
MENDOCINO	966	900	93.2%	12	1.2%	33	3.4%	0	0.0%	2	0.2%	19	2.0%
MERCED	4,057	3,916	96.5%	86	2.1%	5	0.1%	0	0.0%	36	0.9%	14	0.3%
MODOC	142	139	97.9%	1	0.7%	1	0.7%	0	0.0%	0	0.0%	1	0.7%
MONO	132	124	93.9%	1	0.8%	1	0.8%	0	0.0%	1	0.8%	5	3.8%
MONTEREY	5,465	5,306	97.1%	90	1.6%	41	0.8%	1	0.0%	0	0.0%	27	0.5%
NAPA	1,959	1,914	97.7%	19	1.0%	23	1.2%	3	0.2%	0	0.0%	0	0.0%

† 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, 2018-2019
 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	517,869	496,758	95.9%	8,380	1.6%	3,817	0.7%	588	0.1%	680	0.1%	7,646	1.5%
COUNTY													
NEVADA	954	849	89.0%	30	3.1%	41	4.3%	4	0.4%	0	0.0%	30	3.1%
ORANGE	49,071	47,040	95.9%	813	1.7%	499	1.0%	115	0.2%	26	0.1%	578	1.2%
PLACER	4,898	4,547	92.8%	75	1.5%	110	2.2%	8	0.2%	29	0.6%	129	2.6%
PLUMAS	179	169	94.4%	7	3.9%	2	1.1%	0	0.0%	0	0.0%	1	0.6%
RIVERSIDE	24,387	23,343	95.7%	450	1.8%	152	0.6%	12	0.0%	36	0.1%	394	1.6%
SACRAMENTO	19,928	18,906	94.9%	476	2.4%	129	0.6%	14	0.1%	31	0.2%	372	1.9%
SAN BENITO	602	547	90.9%	32	5.3%	3	0.5%	0	0.0%	0	0.0%	20	3.3%
SAN BERNARDINO	24,847	24,258	97.6%	225	0.9%	102	0.4%	24	0.1%	55	0.2%	183	0.7%
SAN DIEGO	48,333	46,327	95.8%	722	1.5%	503	1.0%	77	0.2%	18	0.0%	686	1.4%
SAN FRANCISCO	13,360	12,962	97.0%	98	0.7%	47	0.4%	17	0.1%	21	0.2%	215	1.6%
SAN JOAQUIN	10,613	10,052	94.7%	206	1.9%	36	0.3%	1	0.0%	71	0.7%	247	2.3%
SAN LUIS OBISPO	3,150	3,010	95.6%	28	0.9%	57	1.8%	2	0.1%	13	0.4%	40	1.3%
SAN MATEO	13,612	13,340	98.0%	119	0.9%	53	0.4%	13	0.1%	4	0.0%	83	0.6%
SANTA BARBARA	5,731	5,545	96.8%	68	1.2%	81	1.4%	26	0.5%	1	0.0%	10	0.2%
SANTA CLARA	32,960	31,797	96.5%	428	1.3%	130	0.4%	15	0.0%	14	0.0%	576	1.7%
SANTA CRUZ	3,465	3,232	93.3%	94	2.7%	87	2.5%	11	0.3%	1	0.0%	40	1.2%
SHASTA	2,172	2,000	92.1%	60	2.8%	37	1.7%	4	0.2%	3	0.1%	68	3.1%
SIERRA	33	--*	≥95.0%	--*	≤5.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
SISKIYOU	369	354	95.9%	9	2.4%	5	1.4%	0	0.0%	0	0.0%	1	0.3%
SOLANO	3,345	3,236	96.7%	16	0.5%	13	0.4%	0	0.0%	17	0.5%	63	1.9%
SONOMA	6,027	5,609	93.1%	104	1.7%	154	2.6%	26	0.4%	7	0.1%	127	2.1%
STANISLAUS	6,207	6,023	97.0%	99	1.6%	22	0.4%	3	0.0%	2	0.0%	58	0.9%
SUTTER	1,569	1,430	91.1%	39	2.5%	3	0.2%	1	0.1%	1	0.1%	95	6.1%
TEHAMA	741	715	96.5%	12	1.6%	6	0.8%	0	0.0%	0	0.0%	8	1.1%
TRINITY	57	50	87.7%	1	1.8%	6	10.5%	0	0.0%	0	0.0%	0	0.0%
TULARE	4,725	4,586	97.1%	40	0.8%	1	0.0%	0	0.0%	1	0.0%	97	2.1%
TUOLUMNE	502	466	92.8%	10	2.0%	8	1.6%	1	0.2%	2	0.4%	15	3.0%
VENTURA	11,893	11,397	95.8%	157	1.3%	142	1.2%	17	0.1%	21	0.2%	159	1.3%
YOLO	2,932	2,872	98.0%	28	1.0%	21	0.7%	4	0.1%	0	0.0%	7	0.2%
YUBA	887	830	93.6%	41	4.6%	8	0.9%	0	0.0%	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; 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, 2018-2019
 TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2018-2019 AND 2017-2018,
 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	2018-19	517,869	95.9%	1.6%	0.7%	0.1%	0.1%	1.5%
	2017-18	525,186	95.6%	1.7%	0.6%	0.4%	0.1%	1.7%
ALAMEDA	2018-19	25,380	97.0%	0.9%	0.4%	0.1%	0.7%	0.8%
	2017-18	25,690	96.5%	1.4%	0.3%	0.3%	0.0%	1.5%
ALPINE	2018-19	13	--*	--*	--*	--*	--*	--*
	2017-18	10	--*	--*	--*	--*	--*	--*
AMADOR	2018-19	274	88.3%	8.4%	2.2%	0.0%	0.0%	1.1%
	2017-18	238	95.4%	2.5%	0.8%	0.0%	0.0%	1.3%
BUTTE	2018-19	3,049	94.3%	3.1%	0.6%	0.3%	0.1%	1.6%
	2017-18	3,062	93.0%	3.1%	0.6%	0.5%	0.1%	2.6%
CALAVERAS	2018-19	243	95.1%	2.5%	1.6%	0.0%	0.4%	0.4%
	2017-18	220	96.4%	3.2%	0.5%	0.0%	0.0%	0.0%
COLUSA	2018-19	327	98.5%	0.9%	0.0%	0.0%	0.0%	0.6%
	2017-18	302	98.7%	1.0%	0.0%	0.0%	0.0%	0.3%
CONTRA COSTA	2018-19	16,060	97.6%	1.0%	0.7%	0.0%	0.0%	0.6%
	2017-18	16,484	96.4%	1.2%	0.4%	0.3%	0.0%	1.7%
DEL NORTE	2018-19	275	94.9%	1.1%	1.5%	0.0%	0.0%	2.5%
	2017-18	300	96.3%	2.0%	1.0%	0.0%	0.0%	0.7%
EL DORADO	2018-19	2,096	92.6%	1.9%	1.9%	0.2%	0.4%	3.1%
	2017-18	2,138	93.0%	1.3%	2.1%	0.5%	0.4%	2.8%
FRESNO	2018-19	15,443	97.6%	0.8%	0.3%	0.0%	0.0%	1.3%
	2017-18	15,175	96.8%	1.3%	0.2%	0.1%	0.0%	1.6%
GLENN	2018-19	240	99.6%	0.4%	0.0%	0.0%	0.0%	0.0%
	2017-18	285	98.9%	0.0%	0.0%	0.7%	0.0%	0.4%
HUMBOLDT	2018-19	1,623	83.5%	5.5%	4.9%	1.3%	0.1%	4.7%
	2017-18	1,681	84.8%	7.6%	2.7%	2.4%	0.1%	2.5%
IMPERIAL	2018-19	2,621	97.2%	2.1%	0.1%	0.0%	0.0%	0.6%
	2017-18	2,642	98.8%	0.6%	0.1%	0.0%	0.0%	0.6%
INYO	2018-19	234	94.9%	0.4%	0.0%	0.0%	0.9%	3.8%
	2017-18	229	93.4%	3.9%	0.4%	0.9%	0.0%	1.3%

† 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. 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, 2018-2019
 TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2018-2019 AND 2017-2018,
 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	2018-19	517,869	95.9%	1.6%	0.7%	0.1%	0.1%	1.5%
	2017-18	525,186	95.6%	1.7%	0.6%	0.4%	0.1%	1.7%
KERN	2018-19	9,979	96.6%	1.8%	0.4%	0.1%	0.1%	1.1%
	2017-18	9,826	96.6%	2.0%	0.2%	0.2%	0.1%	1.0%
KINGS	2018-19	1,091	98.0%	0.5%	0.0%	0.0%	0.0%	1.6%
	2017-18	1,889	97.6%	0.7%	0.1%	0.1%	0.0%	1.5%
LAKE	2018-19	544	94.3%	3.1%	0.9%	0.0%	0.2%	1.5%
	2017-18	630	93.0%	4.8%	0.8%	0.5%	0.0%	1.0%
LASSEN	2018-19	150	95.3%	4.7%	0.0%	0.0%	0.0%	0.0%
	2017-18	145	93.8%	6.2%	0.0%	0.0%	0.0%	0.0%
LOS ANGELES	2018-19	121,172	95.3%	2.1%	0.6%	0.1%	0.0%	1.9%
	2017-18	131,304	94.9%	2.3%	0.4%	0.3%	0.0%	1.9%
MADERA	2018-19	1,704	95.6%	2.4%	0.1%	0.0%	0.0%	1.9%
	2017-18	1,375	97.2%	1.8%	0.1%	0.0%	0.0%	0.9%
MARIN	2018-19	5,013	95.0%	2.1%	1.8%	0.1%	0.0%	1.0%
	2017-18	5,120	94.8%	1.8%	1.4%	0.8%	0.0%	1.3%
MARIPOSA	2018-19	68	92.6%	1.5%	2.9%	0.0%	0.0%	2.9%
	2017-18	45	84.4%	8.9%	0.0%	4.4%	0.0%	2.2%
MENDOCINO	2018-19	966	93.2%	1.2%	3.4%	0.0%	0.2%	2.0%
	2017-18	1,013	90.2%	3.5%	2.4%	0.7%	0.0%	3.3%
MERCED	2018-19	4,057	96.5%	2.1%	0.1%	0.0%	0.9%	0.3%
	2017-18	3,636	96.9%	1.4%	0.1%	0.0%	0.8%	0.8%
MODOC	2018-19	142	97.9%	0.7%	0.7%	0.0%	0.0%	0.7%
	2017-18	127	97.6%	1.6%	0.0%	0.0%	0.0%	0.8%
MONO	2018-19	132	93.9%	0.8%	0.8%	0.0%	0.8%	3.8%
	2017-18	114	99.1%	0.0%	0.9%	0.0%	0.0%	0.0%
MONTEREY	2018-19	5,465	97.1%	1.6%	0.8%	0.0%	0.0%	0.5%
	2017-18	5,302	96.4%	2.6%	0.4%	0.1%	0.0%	0.5%
NAPA	2018-19	1,959	97.7%	1.0%	1.2%	0.2%	0.0%	0.0%
	2017-18	1,915	97.2%	0.7%	1.2%	0.6%	0.0%	0.2%
NEVADA	2018-19	954	89.0%	3.1%	4.3%	0.4%	0.0%	3.1%
	2017-18	1,033	86.5%	3.1%	3.8%	1.7%	0.0%	4.8%

† 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, 2018-2019
 TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2018-2019 AND 2017-2018,
 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	2018-19	517,869	95.9%	1.6%	0.7%	0.1%	0.1%	1.5%
	2017-18	525,186	95.6%	1.7%	0.6%	0.4%	0.1%	1.7%
ORANGE	2018-19	49,071	95.9%	1.7%	1.0%	0.2%	0.1%	1.2%
	2017-18	48,017	95.5%	1.6%	0.7%	0.6%	0.3%	1.4%
PLACER	2018-19	4,898	92.8%	1.5%	2.2%	0.2%	0.6%	2.6%
	2017-18	4,612	92.2%	2.7%	1.6%	0.6%	0.1%	2.9%
PLUMAS	2018-19	179	94.4%	3.9%	1.1%	0.0%	0.0%	0.6%
	2017-18	144	86.8%	6.9%	2.1%	0.0%	0.0%	4.2%
RIVERSIDE	2018-19	24,387	95.7%	1.8%	0.6%	0.0%	0.1%	1.6%
	2017-18	22,825	96.2%	1.4%	0.5%	0.1%	0.2%	1.6%
SACRAMENTO	2018-19	19,928	94.9%	2.4%	0.6%	0.1%	0.2%	1.9%
	2017-18	19,252	94.5%	2.0%	0.5%	0.2%	0.1%	2.8%
SAN BENITO	2018-19	602	90.9%	5.3%	0.5%	0.0%	0.0%	3.3%
	2017-18	711	92.5%	4.9%	0.0%	0.1%	0.1%	2.3%
SAN BERNARDINO	2018-19	24,847	97.6%	0.9%	0.4%	0.1%	0.2%	0.7%
	2017-18	25,085	97.1%	1.2%	0.4%	0.2%	0.1%	1.1%
SAN DIEGO	2018-19	48,333	95.8%	1.5%	1.0%	0.2%	0.0%	1.4%
	2017-18	47,948	95.1%	1.5%	0.9%	0.4%	0.1%	2.0%
SAN FRANCISCO	2018-19	13,360	97.0%	0.7%	0.4%	0.1%	0.2%	1.6%
	2017-18	13,065	96.3%	1.1%	0.4%	0.3%	0.1%	1.8%
SAN JOAQUIN	2018-19	10,613	94.7%	1.9%	0.3%	0.0%	0.7%	2.3%
	2017-18	10,202	95.9%	1.5%	0.2%	0.1%	0.3%	2.0%
SAN LUIS OBISPO	2018-19	3,150	95.6%	0.9%	1.8%	0.1%	0.4%	1.3%
	2017-18	3,062	96.4%	1.2%	1.2%	0.6%	0.0%	0.7%
SAN MATEO	2018-19	13,612	98.0%	0.9%	0.4%	0.1%	0.0%	0.6%
	2017-18	13,947	97.9%	0.7%	0.3%	0.3%	0.0%	0.8%
SANTA BARBARA	2018-19	5,731	96.8%	1.2%	1.4%	0.5%	0.0%	0.2%
	2017-18	5,881	95.9%	1.3%	1.0%	1.2%	0.0%	0.6%
SANTA CLARA	2018-19	32,960	96.5%	1.3%	0.4%	0.0%	0.0%	1.7%
	2017-18	33,388	96.6%	1.3%	0.4%	0.3%	0.0%	1.4%

† Includes students reported as receiving IEP services.

^ Overdue for one or more immunizations.

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CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2018-2019
 TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2018-2019 AND 2017-2018,
 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	2018-19	517,869	95.9%	1.6%	0.7%	0.1%	0.1%	1.5%
	2017-18	525,186	95.6%	1.7%	0.6%	0.4%	0.1%	1.7%
SANTA CRUZ	2018-19	3,465	93.3%	2.7%	2.5%	0.3%	0.0%	1.2%
	2017-18	3,420	92.5%	2.2%	2.3%	1.1%	0.0%	1.9%
SHASTA	2018-19	2,172	92.1%	2.8%	1.7%	0.2%	0.1%	3.1%
	2017-18	2,131	93.4%	3.6%	1.4%	0.7%	0.1%	0.8%
SIERRA	2018-19	33	≥95.0%	≤5.0%	0.0%	0.0%	0.0%	0.0%
	2017-18	31	83.9%	12.9%	0.0%	0.0%	0.0%	3.2%
SISKIYOU	2018-19	369	95.9%	2.4%	1.4%	0.0%	0.0%	0.3%
	2017-18	441	92.3%	1.8%	1.4%	1.4%	0.0%	3.2%
SOLANO	2018-19	3,345	96.7%	0.5%	0.4%	0.0%	0.5%	1.9%
	2017-18	3,282	94.4%	0.7%	0.6%	0.2%	0.2%	3.9%
SONOMA	2018-19	6,027	93.1%	1.7%	2.6%	0.4%	0.1%	2.1%
	2017-18	5,788	91.5%	3.5%	1.7%	1.1%	0.1%	2.2%
STANISLAUS	2018-19	6,207	97.0%	1.6%	0.4%	0.0%	0.0%	0.9%
	2017-18	6,777	97.1%	0.8%	0.4%	0.1%	0.1%	1.4%
SUTTER	2018-19	1,569	91.1%	2.5%	0.2%	0.1%	0.1%	6.1%
	2017-18	1,522	96.2%	1.6%	0.2%	0.1%	0.0%	2.0%
TEHAMA	2018-19	741	96.5%	1.6%	0.8%	0.0%	0.0%	1.1%
	2017-18	697	96.3%	2.2%	1.1%	0.0%	0.0%	0.4%
TRINITY	2018-19	57	87.7%	1.8%	10.5%	0.0%	0.0%	0.0%
	2017-18	55	87.3%	5.5%	3.6%	0.0%	3.6%	0.0%
TULARE	2018-19	4,725	97.1%	0.8%	0.0%	0.0%	0.0%	2.1%
	2017-18	4,476	97.6%	1.8%	0.1%	0.0%	0.0%	0.5%
TUOLUMNE	2018-19	502	92.8%	2.0%	1.6%	0.2%	0.4%	3.0%
	2017-18	510	91.2%	4.3%	1.4%	2.0%	0.6%	0.6%
VENTURA	2018-19	11,893	95.8%	1.3%	1.2%	0.1%	0.2%	1.3%
	2017-18	11,900	95.7%	1.4%	0.8%	0.5%	0.2%	1.4%
YOLO	2018-19	2,932	98.0%	1.0%	0.7%	0.1%	0.0%	0.2%
	2017-18	3,172	97.3%	1.3%	0.3%	0.3%	0.0%	0.8%
YUBA	2018-19	887	93.6%	4.6%	0.9%	0.0%	0.0%	0.9%
	2017-18	915	93.3%	5.1%	0.4%	0.2%	0.0%	0.9%

† Includes students reported as receiving IEP services.

^ Overdue for one or more immunizations.

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CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2018-2019
 TABLE 5: NUMBER AND PERCENTAGE OF CHILDREN WITH ALL REQUIRED IMMUNIZATIONS IN 2018-2019 AND 2017-2018,
 AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			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	517,869	496,758	95.9%	525,186	501,975	95.6%	0.3%	-5,217
COUNTY								
ALAMEDA	25,380	24,624	97.0%	25,690	24,789	96.5%	0.5%	-165
ALPINE	13	--*	--*	10	--*	--*	--*	--*
AMADOR	274	242	88.3%	238	227	95.4%	-7.1%	15
BUTTE	3,049	2,874	94.3%	3,062	2,849	93.0%	1.2%	25
CALAVERAS	243	231	95.1%	220	212	96.4%	-1.3%	19
COLUSA	327	322	98.5%	302	298	98.7%	-0.2%	24
CONTRA COSTA	16,060	15,682	97.6%	16,484	15,889	96.4%	1.3%	-207
DEL NORTE	275	261	94.9%	300	289	96.3%	-1.4%	-28
EL DORADO	2,096	1,941	92.6%	2,138	1,989	93.0%	-0.4%	-48
FRESNO	15,443	15,066	97.6%	15,175	14,682	96.8%	0.8%	384
GLENN	240	239	99.6%	285	282	98.9%	0.6%	-43
HUMBOLDT	1,623	1,356	83.5%	1,681	1,426	84.8%	-1.3%	-70
IMPERIAL	2,621	2,547	97.2%	2,642	2,610	98.8%	-1.6%	-63
INYO	234	222	94.9%	229	214	93.4%	1.4%	8
KERN	9,979	9,639	96.6%	9,826	9,494	96.6%	0.0%	145
KINGS	1,091	1,069	98.0%	1,889	1,844	97.6%	0.4%	-775
LAKE	544	513	94.3%	630	586	93.0%	1.3%	-73
LASSEN	150	143	95.3%	145	136	93.8%	1.5%	7
LOS ANGELES	121,172	115,497	95.3%	131,304	124,651	94.9%	0.4%	-9,154
MADERA	1,704	1,629	95.6%	1,375	1,336	97.2%	-1.6%	293
MARIN	5,013	4,761	95.0%	5,120	4,853	94.8%	0.2%	-92
MARIPOSA	68	63	92.6%	45	38	84.4%	8.2%	25
MENDOCINO	966	900	93.2%	1,013	914	90.2%	2.9%	-14
MERCED	4,057	3,916	96.5%	3,636	3,524	96.9%	-0.4%	392
MODOC	142	139	97.9%	127	124	97.6%	0.2%	15
MONO	132	124	93.9%	114	113	99.1%	-5.2%	11
MONTEREY	5,465	5,306	97.1%	5,302	5,109	96.4%	0.7%	197
NAPA	1,959	1,914	97.7%	1,915	1,862	97.2%	0.5%	52

* 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, 2018-2019
 TABLE 5: NUMBER AND PERCENTAGE OF CHILDREN WITH ALL REQUIRED IMMUNIZATIONS IN 2018-2019 AND 2017-2018,
 AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			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	517,869	496,758	95.9%	525,186	501,975	95.6%	0.3%	-5,217
COUNTY								
NEVADA	954	849	89.0%	1,033	894	86.5%	2.4%	-45
ORANGE	49,071	47,040	95.9%	48,017	45,843	95.5%	0.4%	1,197
PLACER	4,898	4,547	92.8%	4,612	4,250	92.2%	0.7%	297
PLUMAS	179	169	94.4%	144	125	86.8%	7.6%	44
RIVERSIDE	24,387	23,343	95.7%	22,825	21,947	96.2%	-0.4%	1,396
SACRAMENTO	19,928	18,906	94.9%	19,252	18,185	94.5%	0.4%	721
SAN BENITO	602	547	90.9%	711	658	92.5%	-1.7%	-111
SAN BERNARDINO	24,847	24,258	97.6%	25,085	24,354	97.1%	0.5%	-96
SAN DIEGO	48,333	46,327	95.8%	47,948	45,614	95.1%	0.7%	713
SAN FRANCISCO	13,360	12,962	97.0%	13,065	12,579	96.3%	0.7%	383
SAN JOAQUIN	10,613	10,052	94.7%	10,202	9,780	95.9%	-1.1%	272
SAN LUIS OBISPO	3,150	3,010	95.6%	3,062	2,951	96.4%	-0.8%	59
SAN MATEO	13,612	13,340	98.0%	13,947	13,658	97.9%	0.1%	-318
SANTA BARBARA	5,731	5,545	96.8%	5,881	5,641	95.9%	0.8%	-96
SANTA CLARA	32,960	31,797	96.5%	33,388	32,237	96.6%	-0.1%	-440
SANTA CRUZ	3,465	3,232	93.3%	3,420	3,162	92.5%	0.8%	70
SHASTA	2,172	2,000	92.1%	2,131	1,990	93.4%	-1.3%	10
SIERRA	33	--*	≥95.0%	31	26	83.9%	--*	--*
SISKIYOU	369	354	95.9%	441	407	92.3%	3.6%	-53
SOLANO	3,345	3,236	96.7%	3,282	3,098	94.4%	2.3%	138
SONOMA	6,027	5,609	93.1%	5,788	5,294	91.5%	1.6%	315
STANISLAUS	6,207	6,023	97.0%	6,777	6,583	97.1%	-0.1%	-560
SUTTER	1,569	1,430	91.1%	1,522	1,464	96.2%	-5.0%	-34
TEHAMA	741	715	96.5%	697	671	96.3%	0.2%	44
TRINITY	57	50	87.7%	55	48	87.3%	0.4%	2
TULARE	4,725	4,586	97.1%	4,476	4,369	97.6%	-0.6%	217
TUOLUMNE	502	466	92.8%	510	465	91.2%	1.7%	1
VENTURA	11,893	11,397	95.8%	11,900	11,391	95.7%	0.1%	6
YOLO	2,932	2,872	98.0%	3,172	3,087	97.3%	0.6%	-215
YUBA	887	830	93.6%	915	854	93.3%	0.2%	-24

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CHILD CARE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2018-2019
 TABLE 6: NUMBER AND PERCENTAGE OF CONDITIONAL ENTRANTS IN 2018-2019 AND 2017-2018,
 AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL	CONDITIONAL ENTRANTS	PERCENT	TOTAL	CONDITIONAL ENTRANTS	PERCENT	PERCENT	CONDITIONAL ENTRANTS
STATE TOTAL	517,869	8,380	1.6%	525,186	9,133	1.7%	-0.1%	-753
COUNTY								
ALAMEDA	25,380	239	0.9%	25,690	352	1.4%	-0.4%	-113
ALPINE	13	--*	--*	10	--*	--*	--*	--*
AMADOR	274	23	8.4%	238	6	2.5%	5.9%	17
BUTTE	3,049	96	3.1%	3,062	95	3.1%	0.0%	1
CALAVERAS	243	6	2.5%	220	7	3.2%	-0.7%	-1
COLUSA	327	3	0.9%	302	3	1.0%	-0.1%	0
CONTRA COSTA	16,060	158	1.0%	16,484	190	1.2%	-0.2%	-32
DEL NORTE	275	3	1.1%	300	6	2.0%	-0.9%	-3
EL DORADO	2,096	39	1.9%	2,138	27	1.3%	0.6%	12
FRESNO	15,443	131	0.8%	15,175	203	1.3%	-0.5%	-72
GLENN	240	1	0.4%	285	0	0.0%	0.4%	1
HUMBOLDT	1,623	90	5.5%	1,681	127	7.6%	-2.0%	-37
IMPERIAL	2,621	54	2.1%	2,642	15	0.6%	1.5%	39
INYO	234	1	0.4%	229	9	3.9%	-3.5%	-8
KERN	9,979	180	1.8%	9,826	193	2.0%	-0.2%	-13
KINGS	1,091	5	0.5%	1,889	13	0.7%	-0.2%	-8
LAKE	544	17	3.1%	630	30	4.8%	-1.6%	-13
LASSEN	150	7	4.7%	145	9	6.2%	-1.5%	-2
LOS ANGELES	121,172	2,485	2.1%	131,304	3,034	2.3%	-0.3%	-549
MADERA	1,704	41	2.4%	1,375	25	1.8%	0.6%	16
MARIN	5,013	104	2.1%	5,120	93	1.8%	0.3%	11
MARIPOSA	68	1	1.5%	45	4	8.9%	-7.4%	-3
MENDOCINO	966	12	1.2%	1,013	35	3.5%	-2.2%	-23
MERCED	4,057	86	2.1%	3,636	50	1.4%	0.7%	36
MODOC	142	1	0.7%	127	2	1.6%	-0.9%	-1
MONO	132	1	0.8%	114	0	0.0%	0.8%	1
MONTEREY	5,465	90	1.6%	5,302	136	2.6%	-0.9%	-46
NAPA	1,959	19	1.0%	1,915	14	0.7%	0.2%	5

* 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, 2018-2019
 TABLE 6: NUMBER AND PERCENTAGE OF CONDITIONAL ENTRANTS IN 2018-2019 AND 2017-2018,
 AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL	CONDITIONAL ENTRANTS	PERCENT	TOTAL	CONDITIONAL ENTRANTS	PERCENT	PERCENT	CONDITIONAL ENTRANTS
STATE TOTAL	517,869	8,380	1.6%	525,186	9,133	1.7%	-0.1%	-753
COUNTY								
NEVADA	954	30	3.1%	1,033	32	3.1%	0.0%	-2
ORANGE	49,071	813	1.7%	48,017	766	1.6%	0.1%	47
PLACER	4,898	75	1.5%	4,612	124	2.7%	-1.2%	-49
PLUMAS	179	7	3.9%	144	10	6.9%	-3.0%	-3
RIVERSIDE	24,387	450	1.8%	22,825	319	1.4%	0.4%	131
SACRAMENTO	19,928	476	2.4%	19,252	387	2.0%	0.4%	89
SAN BENITO	602	32	5.3%	711	35	4.9%	0.4%	-3
SAN BERNARDINO	24,847	225	0.9%	25,085	294	1.2%	-0.3%	-69
SAN DIEGO	48,333	722	1.5%	47,948	705	1.5%	0.0%	17
SAN FRANCISCO	13,360	98	0.7%	13,065	150	1.1%	-0.4%	-52
SAN JOAQUIN	10,613	206	1.9%	10,202	153	1.5%	0.4%	53
SAN LUIS OBISPO	3,150	28	0.9%	3,062	36	1.2%	-0.3%	-8
SAN MATEO	13,612	119	0.9%	13,947	91	0.7%	0.2%	28
SANTA BARBARA	5,731	68	1.2%	5,881	76	1.3%	-0.1%	-8
SANTA CLARA	32,960	428	1.3%	33,388	435	1.3%	0.0%	-7
SANTA CRUZ	3,465	94	2.7%	3,420	75	2.2%	0.5%	19
SHASTA	2,172	60	2.8%	2,131	77	3.6%	-0.9%	-17
SIERRA	33	--*	≤5.0%	31	4	12.9%	--*	--*
SISKIYOU	369	9	2.4%	441	8	1.8%	0.6%	1
SOLANO	3,345	16	0.5%	3,282	23	0.7%	-0.2%	-7
SONOMA	6,027	104	1.7%	5,788	202	3.5%	-1.8%	-98
STANISLAUS	6,207	99	1.6%	6,777	55	0.8%	0.8%	44
SUTTER	1,569	39	2.5%	1,522	24	1.6%	0.9%	15
TEHAMA	741	12	1.6%	697	15	2.2%	-0.5%	-3
TRINITY	57	1	1.8%	55	3	5.5%	-3.7%	-2
TULARE	4,725	40	0.8%	4,476	79	1.8%	-0.9%	-39
TUOLUMNE	502	10	2.0%	510	22	4.3%	-2.3%	-12
VENTURA	11,893	157	1.3%	11,900	168	1.4%	-0.1%	-11
YOLO	2,932	28	1.0%	3,172	40	1.3%	-0.3%	-12
YUBA	887	41	4.6%	915	47	5.1%	-0.5%	-6

* 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, 2018-2019

TABLE 7: NUMBER AND PERCENTAGE OF CHILDREN WITH A PERMANENT MEDICAL EXEMPTION (PME) IN 2018-2019 AND 2017-2018, AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	PME	PERCENT	TOTAL CHILDREN	PME	PERCENT	PERCENT	NUMBER PME
STATE TOTAL	517,869	3,817	0.7%	525,186	3,009	0.6%	0.2%	808
COUNTY								
ALAMEDA	25,380	105	0.4%	25,690	83	0.3%	0.1%	22
ALPINE	13	--*	--*	10	--*	--*	--*	--*
AMADOR	274	6	2.2%	238	2	0.8%	1.3%	4
BUTTE	3,049	17	0.6%	3,062	19	0.6%	-0.1%	-2
CALAVERAS	243	4	1.6%	220	1	0.5%	1.2%	3
COLUSA	327	0	0.0%	302	0	0.0%	0.0%	0
CONTRA COSTA	16,060	105	0.7%	16,484	74	0.4%	0.2%	31
DEL NORTE	275	4	1.5%	300	3	1.0%	0.5%	1
EL DORADO	2,096	39	1.9%	2,138	44	2.1%	-0.2%	-5
FRESNO	15,443	39	0.3%	15,175	27	0.2%	0.1%	12
GLENN	240	0	0.0%	285	0	0.0%	0.0%	0
HUMBOLDT	1,623	79	4.9%	1,681	45	2.7%	2.2%	34
IMPERIAL	2,621	3	0.1%	2,642	2	0.1%	0.0%	1
INYO	234	0	0.0%	229	1	0.4%	-0.4%	-1
KERN	9,979	38	0.4%	9,826	17	0.2%	0.2%	21
KINGS	1,091	0	0.0%	1,889	2	0.1%	-0.1%	-2
LAKE	544	5	0.9%	630	5	0.8%	0.1%	0
LASSEN	150	0	0.0%	145	0	0.0%	0.0%	0
LOS ANGELES	121,172	717	0.6%	131,304	581	0.4%	0.1%	136
MADERA	1,704	2	0.1%	1,375	2	0.1%	0.0%	0
MARIN	5,013	90	1.8%	5,120	70	1.4%	0.4%	20
MARIPOSA	68	2	2.9%	45	0	0.0%	2.9%	2
MENDOCINO	966	33	3.4%	1,013	24	2.4%	1.0%	9
MERCED	4,057	5	0.1%	3,636	4	0.1%	0.0%	1
MODOC	142	1	0.7%	127	0	0.0%	0.7%	1
MONO	132	1	0.8%	114	1	0.9%	-0.1%	0
MONTEREY	5,465	41	0.8%	5,302	22	0.4%	0.3%	19
NAPA	1,959	23	1.2%	1,915	23	1.2%	0.0%	0

* 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, 2018-2019

TABLE 7: NUMBER AND PERCENTAGE OF CHILDREN WITH A PERMANENT MEDICAL EXEMPTION (PME) IN 2018-2019 AND 2017-2018, AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	PME	PERCENT	TOTAL CHILDREN	PME	PERCENT	PERCENT	NUMBER PME
STATE TOTAL	517,869	3,817	0.7%	525,186	3,009	0.6%	0.2%	808
COUNTY								
NEVADA	954	41	4.3%	1,033	39	3.8%	0.5%	2
ORANGE	49,071	499	1.0%	48,017	343	0.7%	0.3%	156
PLACER	4,898	110	2.2%	4,612	75	1.6%	0.6%	35
PLUMAS	179	2	1.1%	144	3	2.1%	-1.0%	-1
RIVERSIDE	24,387	152	0.6%	22,825	124	0.5%	0.1%	28
SACRAMENTO	19,928	129	0.6%	19,252	93	0.5%	0.2%	36
SAN BENITO	602	3	0.5%	711	0	0.0%	0.5%	3
SAN BERNARDINO	24,847	102	0.4%	25,085	95	0.4%	0.0%	7
SAN DIEGO	48,333	503	1.0%	47,948	447	0.9%	0.1%	56
SAN FRANCISCO	13,360	47	0.4%	13,065	47	0.4%	0.0%	0
SAN JOAQUIN	10,613	36	0.3%	10,202	25	0.2%	0.1%	11
SAN LUIS OBISPO	3,150	57	1.8%	3,062	37	1.2%	0.6%	20
SAN MATEO	13,612	53	0.4%	13,947	44	0.3%	0.1%	9
SANTA BARBARA	5,731	81	1.4%	5,881	58	1.0%	0.4%	23
SANTA CLARA	32,960	130	0.4%	33,388	134	0.4%	0.0%	-4
SANTA CRUZ	3,465	87	2.5%	3,420	80	2.3%	0.2%	7
SHASTA	2,172	37	1.7%	2,131	30	1.4%	0.3%	7
SIERRA	33	0	0.0%	31	0	0.0%	0.0%	0
SISKIYOU	369	5	1.4%	441	6	1.4%	0.0%	-1
SOLANO	3,345	13	0.4%	3,282	21	0.6%	-0.3%	-8
SONOMA	6,027	154	2.6%	5,788	99	1.7%	0.8%	55
STANISLAUS	6,207	22	0.4%	6,777	28	0.4%	-0.1%	-6
SUTTER	1,569	3	0.2%	1,522	3	0.2%	0.0%	0
TEHAMA	741	6	0.8%	697	8	1.1%	-0.3%	-2
TRINITY	57	6	10.5%	55	2	3.6%	6.9%	4
TULARE	4,725	1	0.0%	4,476	5	0.1%	-0.1%	-4
TUOLUMNE	502	8	1.6%	510	7	1.4%	0.2%	1
VENTURA	11,893	142	1.2%	11,900	90	0.8%	0.4%	52
YOLO	2,932	21	0.7%	3,172	10	0.3%	0.4%	11
YUBA	887	8	0.9%	915	4	0.4%	0.5%	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, 2018-2019

TABLE 8: NUMBER AND PERCENTAGE OF CHILDREN WITH A PERSONAL BELIEFS EXEMPTION (PBE) IN 2018-2019 AND 2017-2018, AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	PBE	PERCENT	TOTAL CHILDREN	PBE	PERCENT	PERCENT	NUMBER PBE
STATE TOTAL	517,869	588	0.1%	525,186	1,864	0.4%	-0.2%	-1,276
COUNTY								
ALAMEDA	25,380	25	0.1%	25,690	65	0.3%	-0.2%	-40
ALPINE	13	--*	--*	10	--*	--*	--*	--*
AMADOR	274	0	0.0%	238	0	0.0%	0.0%	0
BUTTE	3,049	10	0.3%	3,062	15	0.5%	-0.2%	-5
CALAVERAS	243	0	0.0%	220	0	0.0%	0.0%	0
COLUSA	327	0	0.0%	302	0	0.0%	0.0%	0
CONTRA COSTA	16,060	5	0.0%	16,484	42	0.3%	-0.2%	-37
DEL NORTE	275	0	0.0%	300	0	0.0%	0.0%	0
EL DORADO	2,096	4	0.2%	2,138	10	0.5%	-0.3%	-6
FRESNO	15,443	0	0.0%	15,175	18	0.1%	-0.1%	-18
GLENN	240	0	0.0%	285	2	0.7%	-0.7%	-2
HUMBOLDT	1,623	21	1.3%	1,681	40	2.4%	-1.1%	-19
IMPERIAL	2,621	1	0.0%	2,642	0	0.0%	0.0%	1
INYO	234	0	0.0%	229	2	0.9%	-0.9%	-2
KERN	9,979	6	0.1%	9,826	16	0.2%	-0.1%	-10
KINGS	1,091	0	0.0%	1,889	1	0.1%	-0.1%	-1
LAKE	544	0	0.0%	630	3	0.5%	-0.5%	-3
LASSEN	150	0	0.0%	145	0	0.0%	0.0%	0
LOS ANGELES	121,172	110	0.1%	131,304	451	0.3%	-0.3%	-341
MADERA	1,704	0	0.0%	1,375	0	0.0%	0.0%	0
MARIN	5,013	7	0.1%	5,120	40	0.8%	-0.6%	-33
MARIPOSA	68	0	0.0%	45	2	4.4%	-4.4%	-2
MENDOCINO	966	0	0.0%	1,013	7	0.7%	-0.7%	-7
MERCED	4,057	0	0.0%	3,636	1	0.0%	0.0%	-1
MODOC	142	0	0.0%	127	0	0.0%	0.0%	0
MONO	132	0	0.0%	114	0	0.0%	0.0%	0
MONTEREY	5,465	1	0.0%	5,302	4	0.1%	-0.1%	-3
NAPA	1,959	3	0.2%	1,915	12	0.6%	-0.5%	-9

* 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, 2018-2019

TABLE 8: NUMBER AND PERCENTAGE OF CHILDREN WITH A PERSONAL BELIEFS EXEMPTION (PBE) IN 2018-2019 AND 2017-2018, AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	PBE	PERCENT	TOTAL CHILDREN	PBE	PERCENT	PERCENT	NUMBER PBE
STATE TOTAL	517,869	588	0.1%	525,186	1,864	0.4%	-0.2%	-1,276
COUNTY								
NEVADA	954	4	0.4%	1,033	18	1.7%	-1.3%	-14
ORANGE	49,071	115	0.2%	48,017	289	0.6%	-0.4%	-174
PLACER	4,898	8	0.2%	4,612	28	0.6%	-0.4%	-20
PLUMAS	179	0	0.0%	144	0	0.0%	0.0%	0
RIVERSIDE	24,387	12	0.0%	22,825	29	0.1%	-0.1%	-17
SACRAMENTO	19,928	14	0.1%	19,252	43	0.2%	-0.2%	-29
SAN BENITO	602	0	0.0%	711	1	0.1%	-0.1%	-1
SAN BERNARDINO	24,847	24	0.1%	25,085	43	0.2%	-0.1%	-19
SAN DIEGO	48,333	77	0.2%	47,948	204	0.4%	-0.3%	-127
SAN FRANCISCO	13,360	17	0.1%	13,065	36	0.3%	-0.1%	-19
SAN JOAQUIN	10,613	1	0.0%	10,202	6	0.1%	0.0%	-5
SAN LUIS OBISPO	3,150	2	0.1%	3,062	17	0.6%	-0.5%	-15
SAN MATEO	13,612	13	0.1%	13,947	40	0.3%	-0.2%	-27
SANTA BARBARA	5,731	26	0.5%	5,881	72	1.2%	-0.8%	-46
SANTA CLARA	32,960	15	0.0%	33,388	88	0.3%	-0.2%	-73
SANTA CRUZ	3,465	11	0.3%	3,420	37	1.1%	-0.8%	-26
SHASTA	2,172	4	0.2%	2,131	15	0.7%	-0.5%	-11
SIERRA	33	0	0.0%	31	0	0.0%	0.0%	0
SISKIYOU	369	0	0.0%	441	6	1.4%	-1.4%	-6
SOLANO	3,345	0	0.0%	3,282	5	0.2%	-0.2%	-5
SONOMA	6,027	26	0.4%	5,788	63	1.1%	-0.7%	-37
STANISLAUS	6,207	3	0.0%	6,777	10	0.1%	-0.1%	-7
SUTTER	1,569	1	0.1%	1,522	1	0.1%	0.0%	0
TEHAMA	741	0	0.0%	697	0	0.0%	0.0%	0
TRINITY	57	0	0.0%	55	0	0.0%	0.0%	0
TULARE	4,725	0	0.0%	4,476	1	0.0%	0.0%	-1
TUOLUMNE	502	1	0.2%	510	10	2.0%	-1.8%	-9
VENTURA	11,893	17	0.1%	11,900	59	0.5%	-0.4%	-42
YOLO	2,932	4	0.1%	3,172	10	0.3%	-0.2%	-6
YUBA	887	0	0.0%	915	2	0.2%	-0.2%	-2

* 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, 2018-2019

TABLE 9: NUMBER AND PERCENTAGE OF OTHER CHILDREN LACKING REQUIRED IMMUNIZATIONS[†] IN 2018-2019 AND 2017-2018, AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			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	517,869	680	0.1%	525,186	472	0.1%	0.0%	208
COUNTY								
ALAMEDA	25,380	179	0.7%	25,690	4	0.0%	0.7%	175
ALPINE	13	--*	--*	10	--*	--*	--*	--*
AMADOR	274	0	0.0%	238	0	0.0%	0.0%	0
BUTTE	3,049	3	0.1%	3,062	4	0.1%	0.0%	-1
CALAVERAS	243	1	0.4%	220	0	0.0%	0.4%	1
COLUSA	327	0	0.0%	302	0	0.0%	0.0%	0
CONTRA COSTA	16,060	7	0.0%	16,484	7	0.0%	0.0%	0
DEL NORTE	275	0	0.0%	300	0	0.0%	0.0%	0
EL DORADO	2,096	8	0.4%	2,138	8	0.4%	0.0%	0
FRESNO	15,443	5	0.0%	15,175	3	0.0%	0.0%	2
GLENN	240	0	0.0%	285	0	0.0%	0.0%	0
HUMBOLDT	1,623	1	0.1%	1,681	1	0.1%	0.0%	0
IMPERIAL	2,621	0	0.0%	2,642	0	0.0%	0.0%	0
INYO	234	2	0.9%	229	0	0.0%	0.9%	2
KERN	9,979	7	0.1%	9,826	5	0.1%	0.0%	2
KINGS	1,091	0	0.0%	1,889	0	0.0%	0.0%	0
LAKE	544	1	0.2%	630	0	0.0%	0.2%	1
LASSEN	150	0	0.0%	145	0	0.0%	0.0%	0
LOS ANGELES	121,172	51	0.0%	131,304	60	0.0%	0.0%	-9
MADERA	1,704	0	0.0%	1,375	0	0.0%	0.0%	0
MARIN	5,013	2	0.0%	5,120	0	0.0%	0.0%	2
MARIPOSA	68	0	0.0%	45	0	0.0%	0.0%	0
MENDOCINO	966	2	0.2%	1,013	0	0.0%	0.2%	2
MERCED	4,057	36	0.9%	3,636	28	0.8%	0.1%	8
MODOC	142	0	0.0%	127	0	0.0%	0.0%	0
MONO	132	1	0.8%	114	0	0.0%	0.8%	1
MONTEREY	5,465	0	0.0%	5,302	2	0.0%	0.0%	-2
NAPA	1,959	0	0.0%	1,915	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, 2018-2019

TABLE 9: NUMBER AND PERCENTAGE OF OTHER CHILDREN LACKING REQUIRED IMMUNIZATIONS[†] IN 2018-2019 AND 2017-2018, AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			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	517,869	680	0.1%	525,186	472	0.1%	0.0%	208
COUNTY								
NEVADA	954	0	0.0%	1,033	0	0.0%	0.0%	0
ORANGE	49,071	26	0.1%	48,017	126	0.3%	-0.2%	-100
PLACER	4,898	29	0.6%	4,612	3	0.1%	0.5%	26
PLUMAS	179	0	0.0%	144	0	0.0%	0.0%	0
RIVERSIDE	24,387	36	0.1%	22,825	44	0.2%	0.0%	-8
SACRAMENTO	19,928	31	0.2%	19,252	10	0.1%	0.1%	21
SAN BENITO	602	0	0.0%	711	1	0.1%	-0.1%	-1
SAN BERNARDINO	24,847	55	0.2%	25,085	30	0.1%	0.1%	25
SAN DIEGO	48,333	18	0.0%	47,948	25	0.1%	0.0%	-7
SAN FRANCISCO	13,360	21	0.2%	13,065	15	0.1%	0.0%	6
SAN JOAQUIN	10,613	71	0.7%	10,202	29	0.3%	0.4%	42
SAN LUIS OBISPO	3,150	13	0.4%	3,062	0	0.0%	0.4%	13
SAN MATEO	13,612	4	0.0%	13,947	3	0.0%	0.0%	1
SANTA BARBARA	5,731	1	0.0%	5,881	1	0.0%	0.0%	0
SANTA CLARA	32,960	14	0.0%	33,388	15	0.0%	0.0%	-1
SANTA CRUZ	3,465	1	0.0%	3,420	1	0.0%	0.0%	0
SHASTA	2,172	3	0.1%	2,131	3	0.1%	0.0%	0
SIERRA	33	0	0.0%	31	0	0.0%	0.0%	0
SISKIYOU	369	0	0.0%	441	0	0.0%	0.0%	0
SOLANO	3,345	17	0.5%	3,282	7	0.2%	0.3%	10
SONOMA	6,027	7	0.1%	5,788	4	0.1%	0.0%	3
STANISLAUS	6,207	2	0.0%	6,777	4	0.1%	0.0%	-2
SUTTER	1,569	1	0.1%	1,522	0	0.0%	0.1%	1
TEHAMA	741	0	0.0%	697	0	0.0%	0.0%	0
TRINITY	57	0	0.0%	55	2	3.6%	-3.6%	-2
TULARE	4,725	1	0.0%	4,476	0	0.0%	0.0%	1
TUOLUMNE	502	2	0.4%	510	3	0.6%	-0.2%	-1
VENTURA	11,893	21	0.2%	11,900	24	0.2%	0.0%	-3
YOLO	2,932	0	0.0%	3,172	0	0.0%	0.0%	0
YUBA	887	0	0.0%	915	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, 2018-2019
 TABLE 10: NUMBER AND PERCENTAGE OF CHILDREN WITH OVERDUE[^] STATUS IN 2018-2019 AND 2017-2018,
 AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	OVERDUE [^]	PERCENT	TOTAL CHILDREN	OVERDUE [^]	PERCENT	PERCENT	NUMBER OVERDUE [^]
STATE TOTAL	517,869	7,646	1.5%	525,186	8,733	1.7%	-0.2%	-1,087
COUNTY								
ALAMEDA	25,380	208	0.8%	25,690	397	1.5%	-0.7%	-189
ALPINE	13	--*	--*	10	--*	--*	--*	--*
AMADOR	274	3	1.1%	238	3	1.3%	-0.2%	0
BUTTE	3,049	49	1.6%	3,062	80	2.6%	-1.0%	-31
CALAVERAS	243	1	0.4%	220	0	0.0%	0.4%	1
COLUSA	327	2	0.6%	302	1	0.3%	0.3%	1
CONTRA COSTA	16,060	103	0.6%	16,484	282	1.7%	-1.1%	-179
DEL NORTE	275	7	2.5%	300	2	0.7%	1.9%	5
EL DORADO	2,096	65	3.1%	2,138	60	2.8%	0.3%	5
FRESNO	15,443	202	1.3%	15,175	242	1.6%	-0.3%	-40
GLENN	240	0	0.0%	285	1	0.4%	-0.4%	-1
HUMBOLDT	1,623	76	4.7%	1,681	42	2.5%	2.2%	34
IMPERIAL	2,621	16	0.6%	2,642	15	0.6%	0.0%	1
INYO	234	9	3.8%	229	3	1.3%	2.5%	6
KERN	9,979	109	1.1%	9,826	101	1.0%	0.1%	8
KINGS	1,091	17	1.6%	1,889	29	1.5%	0.0%	-12
LAKE	544	8	1.5%	630	6	1.0%	0.5%	2
LASSEN	150	0	0.0%	145	0	0.0%	0.0%	0
LOS ANGELES	121,172	2,312	1.9%	131,304	2,527	1.9%	0.0%	-215
MADERA	1,704	32	1.9%	1,375	12	0.9%	1.0%	20
MARIN	5,013	49	1.0%	5,120	64	1.3%	-0.3%	-15
MARIPOSA	68	2	2.9%	45	1	2.2%	0.7%	1
MENDOCINO	966	19	2.0%	1,013	33	3.3%	-1.3%	-14
MERCED	4,057	14	0.3%	3,636	29	0.8%	-0.5%	-15
MODOC	142	1	0.7%	127	1	0.8%	-0.1%	0
MONO	132	5	3.8%	114	0	0.0%	3.8%	5
MONTEREY	5,465	27	0.5%	5,302	29	0.5%	-0.1%	-2
NAPA	1,959	0	0.0%	1,915	4	0.2%	-0.2%	-4

[^] 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, 2018-2019
 TABLE 10: NUMBER AND PERCENTAGE OF CHILDREN WITH OVERDUE^ STATUS IN 2018-2019 AND 2017-2018,
 AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL CHILDREN	OVERDUE^	PERCENT	TOTAL CHILDREN	OVERDUE^	PERCENT	PERCENT	NUMBER OVERDUE^
STATE TOTAL	517,869	7,646	1.5%	525,186	8,733	1.7%	-0.2%	-1,087
COUNTY								
NEVADA	954	30	3.1%	1,033	50	4.8%	-1.7%	-20
ORANGE	49,071	578	1.2%	48,017	650	1.4%	-0.2%	-72
PLACER	4,898	129	2.6%	4,612	132	2.9%	-0.2%	-3
PLUMAS	179	1	0.6%	144	6	4.2%	-3.6%	-5
RIVERSIDE	24,387	394	1.6%	22,825	362	1.6%	0.0%	32
SACRAMENTO	19,928	372	1.9%	19,252	534	2.8%	-0.9%	-162
SAN BENITO	602	20	3.3%	711	16	2.3%	1.1%	4
SAN BERNARDINO	24,847	183	0.7%	25,085	269	1.1%	-0.3%	-86
SAN DIEGO	48,333	686	1.4%	47,948	953	2.0%	-0.6%	-267
SAN FRANCISCO	13,360	215	1.6%	13,065	238	1.8%	-0.2%	-23
SAN JOAQUIN	10,613	247	2.3%	10,202	209	2.0%	0.3%	38
SAN LUIS OBISPO	3,150	40	1.3%	3,062	21	0.7%	0.6%	19
SAN MATEO	13,612	83	0.6%	13,947	111	0.8%	-0.2%	-28
SANTA BARBARA	5,731	10	0.2%	5,881	33	0.6%	-0.4%	-23
SANTA CLARA	32,960	576	1.7%	33,388	479	1.4%	0.3%	97
SANTA CRUZ	3,465	40	1.2%	3,420	65	1.9%	-0.7%	-25
SHASTA	2,172	68	3.1%	2,131	16	0.8%	2.4%	52
SIERRA	33	0	0.0%	31	1	3.2%	-3.2%	-1
SISKIYOU	369	1	0.3%	441	14	3.2%	-2.9%	-13
SOLANO	3,345	63	1.9%	3,282	128	3.9%	-2.0%	-65
SONOMA	6,027	127	2.1%	5,788	126	2.2%	-0.1%	1
STANISLAUS	6,207	58	0.9%	6,777	97	1.4%	-0.5%	-39
SUTTER	1,569	95	6.1%	1,522	30	2.0%	4.1%	65
TEHAMA	741	8	1.1%	697	3	0.4%	0.6%	5
TRINITY	57	0	0.0%	55	0	0.0%	0.0%	0
TULARE	4,725	97	2.1%	4,476	22	0.5%	1.6%	75
TUOLUMNE	502	15	3.0%	510	3	0.6%	2.4%	12
VENTURA	11,893	159	1.3%	11,900	168	1.4%	-0.1%	-9
YOLO	2,932	7	0.2%	3,172	25	0.8%	-0.5%	-18
YUBA	887	8	0.9%	915	8	0.9%	0.0%	0

^ 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, 2018-2019
 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	517,869	505,297	97.6%	508,546	98.2%	509,450	98.4%	510,119	98.5%	507,565	98.0%	509,551	98.4%
COUNTY													
ALAMEDA	25,380	24,871	98.0%	24,969	98.4%	24,989	98.5%	25,003	98.5%	24,882	98.0%	24,983	98.4%
ALPINE	13	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*	--*
AMADOR	274	253	92.3%	252	92.0%	250	91.2%	265	96.7%	264	96.4%	265	96.7%
BUTTE	3,049	2,937	96.3%	2,976	97.6%	2,987	98.0%	2,973	97.5%	2,974	97.5%	2,981	97.8%
CALAVERAS	243	234	96.3%	237	97.5%	238	97.9%	236	97.1%	238	97.9%	239	98.4%
COLUSA	327	323	98.8%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%
CONTRA COSTA	16,060	15,835	98.6%	15,898	99.0%	15,912	99.1%	15,904	99.0%	15,848	98.7%	15,897	99.0%
DEL NORTE	275	262	95.3%	269	97.8%	270	98.2%	270	98.2%	270	98.2%	269	97.8%
EL DORADO	2,096	1,987	94.8%	2,004	95.6%	2,013	96.0%	2,018	96.3%	2,017	96.2%	2,002	95.5%
FRESNO	15,443	15,191	98.4%	15,291	99.0%	15,332	99.3%	15,311	99.1%	15,309	99.1%	15,323	99.2%
GLENN	240	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%	--*	≥99.0%
HUMBOLDT	1,623	1,490	91.8%	1,510	93.0%	1,516	93.4%	1,489	91.7%	1,494	92.1%	1,469	90.5%
IMPERIAL	2,621	2,567	97.9%	2,578	98.4%	2,584	98.6%	2,617	99.8%	2,613	99.7%	2,583	98.6%
INYO	234	227	97.0%	230	98.3%	231	98.7%	229	97.9%	229	97.9%	231	98.7%
KERN	9,979	9,736	97.6%	9,867	98.9%	9,921	99.4%	9,912	99.3%	9,868	98.9%	9,903	99.2%
KINGS	1,091	1,080	99.0%	1,085	99.5%	1,088	99.7%	1,085	99.5%	1,088	99.7%	1,088	99.7%
LAKE	544	522	96.0%	531	97.6%	529	97.2%	536	98.5%	537	98.7%	530	97.4%
LASSEN	150	144	96.0%	149	99.3%	149	99.3%	148	98.7%	149	99.3%	149	99.3%
LOS ANGELES	121,172	117,997	97.4%	118,968	98.2%	119,172	98.3%	119,296	98.5%	118,725	98.0%	119,301	98.5%
MADERA	1,704	1,666	97.8%	1,684	98.8%	1,692	99.3%	1,684	98.8%	1,673	98.2%	1,690	99.2%
MARIN	5,013	4,885	97.4%	4,872	97.2%	4,895	97.6%	4,909	97.9%	4,829	96.3%	4,887	97.5%
MARIPOSA	68	64	94.1%	67	98.5%	67	98.5%	67	98.5%	66	97.1%	67	98.5%
MENDOCINO	966	925	95.8%	936	96.9%	939	97.2%	936	96.9%	928	96.1%	932	96.5%
MERCED	4,057	3,966	97.8%	3,989	98.3%	4,005	98.7%	4,032	99.4%	4,025	99.2%	4,011	98.9%
MODOC	142	141	99.3%	141	99.3%	140	98.6%	141	99.3%	141	99.3%	140	98.6%
MONO	132	125	94.7%	128	97.0%	129	97.7%	127	96.2%	127	96.2%	128	97.0%
MONTEREY	5,465	5,368	98.2%	5,400	98.8%	5,401	98.8%	5,407	98.9%	5,376	98.4%	5,406	98.9%
NAPA	1,959	1,928	98.4%	1,932	98.6%	1,932	98.6%	1,931	98.6%	1,923	98.2%	1,928	98.4%

* 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; 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, 2018-2019

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	517,869	505,297	97.6%	508,546	98.2%	509,450	98.4%	510,119	98.5%	507,565	98.0%	509,551	98.4%
COUNTY													
NEVADA	954	885	92.8%	892	93.5%	902	94.5%	906	95.0%	890	93.3%	896	93.9%
ORANGE	49,071	47,933	97.7%	48,072	98.0%	48,074	98.0%	48,259	98.3%	47,856	97.5%	48,087	98.0%
PLACER	4,898	4,704	96.0%	4,722	96.4%	4,725	96.5%	4,722	96.4%	4,699	95.9%	4,737	96.7%
PLUMAS	179	171	95.5%	170	95.0%	174	97.2%	171	95.5%	173	96.6%	175	97.8%
RIVERSIDE	24,387	23,744	97.4%	23,946	98.2%	24,010	98.5%	24,034	98.6%	23,951	98.2%	24,072	98.7%
SACRAMENTO	19,928	19,307	96.9%	19,484	97.8%	19,562	98.2%	19,600	98.4%	19,469	97.7%	19,537	98.0%
SAN BENITO	602	552	91.7%	560	93.0%	564	93.7%	592	98.3%	589	97.8%	595	98.8%
SAN BERNARDINO	24,847	24,426	98.3%	24,588	99.0%	24,639	99.2%	24,690	99.4%	24,598	99.0%	24,655	99.2%
SAN DIEGO	48,333	47,121	97.5%	47,370	98.0%	47,414	98.1%	47,497	98.3%	47,233	97.7%	47,360	98.0%
SAN FRANCISCO	13,360	13,133	98.3%	13,207	98.9%	13,241	99.1%	13,249	99.2%	13,156	98.5%	13,236	99.1%
SAN JOAQUIN	10,613	10,247	96.6%	10,332	97.4%	10,382	97.8%	10,451	98.5%	10,369	97.7%	10,402	98.0%
SAN LUIS OBISPO	3,150	3,058	97.1%	3,066	97.3%	3,073	97.6%	3,069	97.4%	3,053	96.9%	3,068	97.4%
SAN MATEO	13,612	13,463	98.9%	13,497	99.2%	13,506	99.2%	13,512	99.3%	13,458	98.9%	13,492	99.1%
SANTA BARBARA	5,731	5,596	97.6%	5,621	98.1%	5,628	98.2%	5,628	98.2%	5,585	97.5%	5,619	98.0%
SANTA CLARA	32,960	32,305	98.0%	32,503	98.6%	32,517	98.7%	32,567	98.8%	32,501	98.6%	32,643	99.0%
SANTA CRUZ	3,465	3,330	96.1%	3,356	96.9%	3,380	97.5%	3,383	97.6%	3,310	95.5%	3,355	96.8%
SHASTA	2,172	2,065	95.1%	2,091	96.3%	2,111	97.2%	2,106	97.0%	2,075	95.5%	2,105	96.9%
SIERRA	33	--*	≥95.0%	--*	≥95.0%	--*	≥95.0%	--*	≥95.0%	--*	≥95.0%	--*	≥95.0%
SISKIYOU	369	359	97.3%	361	97.8%	362	98.1%	362	98.1%	358	97.0%	362	98.1%
SOLANO	3,345	3,281	98.1%	3,307	98.9%	3,302	98.7%	3,304	98.8%	3,304	98.8%	3,305	98.8%
SONOMA	6,027	5,770	95.7%	5,803	96.3%	5,821	96.6%	5,815	96.5%	5,750	95.4%	5,806	96.3%
STANISLAUS	6,207	6,083	98.0%	6,139	98.9%	6,151	99.1%	6,151	99.1%	6,139	98.9%	6,143	99.0%
SUTTER	1,569	1,531	97.6%	1,539	98.1%	1,536	97.9%	1,468	93.6%	1,530	97.5%	1,538	98.0%
TEHAMA	741	726	98.0%	730	98.5%	735	99.2%	732	98.8%	724	97.7%	733	98.9%
TRINITY	57	51	89.5%	53	93.0%	53	93.0%	52	91.2%	53	93.0%	53	93.0%
TULARE	4,725	4,641	98.2%	4,668	98.8%	4,675	98.9%	4,713	99.7%	4,696	99.4%	4,662	98.7%
TUOLUMNE	502	482	96.0%	484	96.4%	487	97.0%	487	97.0%	478	95.2%	487	97.0%
VENTURA	11,893	11,591	97.5%	11,647	97.9%	11,659	98.0%	11,679	98.2%	11,609	97.6%	11,647	97.9%
YOLO	2,932	2,890	98.6%	2,893	98.7%	2,904	99.0%	2,906	99.1%	2,897	98.8%	2,900	98.9%
YUBA	887	842	94.9%	870	98.1%	869	98.0%	876	98.8%	859	96.8%	866	97.6%

* 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%.