

## **2016-2017 Kindergarten Immunization Assessment – Executive Summary**

### **California Department of Public Health, Immunization Branch**

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

Compared to the 2015-2016 school year, the proportion of students attending kindergarten in 2016-2017 reported to have received all required vaccines rose from 92.8% to 95.6%, a 2.8 percentage point increase over one year and a 5.2 percentage point increase over the two years since 2014-2015. The 2016-2017 rate of 95.6% is the highest reported for the current set of immunization requirements for kindergarten, which began in the 2001-2002 school year.

Completion rates for each specific immunization series also increased, in a range from 2.0 percentage points for Hepatitis B vaccine to 2.8 percentage points for measles, mumps and rubella (MMR) vaccine. Fourteen (24%) counties report fewer than 95% of their kindergarteners as having had two doses of MMR vaccine, compared to 31 (53%) counties in 2015-2016.

The proportion of kindergartners reported as conditional entrants declined from 4.4% in 2015-2016 to 1.9% in 2016-17, a 2.5 percentage point decrease over one year and a 5.0 percentage point decrease over the two years since 2014-2015. The present rate of 1.9% is the lowest reported for the current set of immunization requirements for kindergarten.

The proportion of kindergartners reported with PBEs decreased in 2016-2017 from 2.4% to 0.6%: Under SB 277, PBEs have remained valid for children who entered multiyear kindergarten programs (e.g., transitional kindergarten) before 2016 and continue in kindergarten during 2016-2017. Previously under measures specified in AB 2109, the rate of PBEs had decreased from 3.2% in 2013-2014 to 2.4% in 2015-2016.

The proportion of kindergartners reported with permanent medical exemptions increased from 0.2% to 0.5% in 2016-2017. Another 0.5% of kindergarteners were reported in a new category as lacking immunizations for other reasons specified under SB 277, including attending private home schools or qualified independent study programs. The percentage of students reported as being overdue for required immunizations increased from 0.2% to 1.0% in 2016-2017.

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

- Efforts by public health departments, schools, medical providers and partner organizations to help ensure that children meet school 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.
- Audits of eligible schools in 2016 and 2017 for compliance with immunization laws.

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

## 2016-2017 Kindergarten Immunization Assessment – Technical Notes

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### Introduction

Each autumn all schools with kindergartens in California are required to report student compliance with California School Immunization Laws (California Health and Safety Code Sections 120325-120375). This report summarizes data for the 2016-2017 school year reported by public and private kindergartens statewide (Table 1, Figures 1-8) and by county (Tables 2-11).

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

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

Many California schools offer a two-year kindergarten curriculum in which children as young as 4 years of age may receive an initial year of transitional kindergarten.

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### Methods

During the autumn of 2016, California schools registered with the California Department of Education reported data on kindergarteners in the 2016-2017 school year to the California Department of Public Health (CDPH). Based on their immunization status, students were classified by school staff 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
  - 2 or more of Measles, Mumps and Rubella (MMR) 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 multiyear kindergarten program prior to the 2016-2017 school year with a personal beliefs exemption (PBE) and continued in kindergarten during the 2016-2017 school year. Under SB 277, PBEs were no longer an option for children entering kindergarten in the 2016-2017 school year.
- Other students lacking immunizations, a new category. Under SB 277, entrants in the 2016-2017 school year are not required to have immunizations if they attend:
  - A home-based private school or
  - An independent study program and do not receive classroom-based instruction.

- Also, students who have an individualized education program (IEP) may continue to receive all necessary services identified in their IEP regardless of their immunization status.

Students in these settings 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 school 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, 2+ MMR, etc.). To improve accuracy, CDPH requested schools to include these doses when reporting completion rates of specific immunizations in the 2016-2017 school year.

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

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## Results

The number of kindergarteners in California whose immunization status was reported increased from 551,123 in the 2015-2016 school year to 562,924 in 2016-2017 (Table 1). The increase reflects reporting from public schools, as the number of students reported from private schools was 42,665 in 2015-2016 and 42,298 in 2016-2017. Although the number of public schools that reported each year was similar, the number of private schools that reported decreased from 1,902 in the 2015-2016 school year to 1,853 in 2016-2017 (Tables 1 and 2). Private schools account for 8% (42,298/562,924) of all kindergarteners about whom data was reported in 2016-2017, 24% (1,853/7,820) of all schools that reported data on kindergarteners and 81% (362/446) of schools that did not report.

Figures 1-5 show trends for students in public and private schools reported as having: received all required immunizations; entered conditionally; PME's; PBE's; and completed specific immunization series. Figures 6-8 display for recent school years the distribution of major reporting categories for students reported from: all schools; public schools; and private schools.

All required immunizations: Of 562,924 kindergarteners whose schools reported their status, 537,991 (95.6%) had received all required immunizations, an increase from the previous school year of 2.8 percentage points (Table 1) and an increase over two school years of 5.2 percentage points (Figures 1, 6). Compared to the 2015-2016 school year, the percentage of students with all required immunizations increased in 50 (86%) of 58 counties (Table 5). For counties reporting at least 25 students, the highest rates were reported in Tulare (98.5%) and San Benito (98.1%) Counties (Tables 3-5). In 2016-2017, 9 (16%) of 58 counties in California have rates of kindergarteners with all required vaccines that are below 90%, compared to 20 (34%) counties in 2015-2016 (Tables 4 and 5, Figure 9).

As in past years, a higher proportion of students in public compared to private schools were reported as having had all required immunizations (95.9% vs. 91.6%; difference of 4.3 percentage points) (Table 1, Figures 7 and 8). However, this gap is smaller in 2016-2017 than it was in 2015-2016 (93.2% vs. 88.2%; difference of 5.0 percentage points), as the one-year increase by 2.7 percentage points in public schools was not as large as the increase by 3.4 percentage points in private schools.

Specific immunizations: Completion rates for specific immunizations increased between 2.0 percentage points for Hep B to 2.8 percentage points for MMR (Tables 1 and 11, Figure 5).

Rates for receipt are higher in public schools; for MMR, 97.6% of students at public schools and 94.4% at private schools were reported as having received two doses, an increase from 2015-2016 respectively of 2.7 percentage points and 3.9 percentage points. In 2016-2017, 14 (24%) counties report fewer than 95% of their kindergarteners as having had two doses of MMR (Table 11, Figure 10), compared to 31 (53%) counties in 2015-2016.

Conditional entrants: Over the last two school years, the proportion of students reported as conditional entrants decreased from 6.9% in 2014-2015 to 1.9% in 2016-2017 (Table 1, Figures 2 and 6). Compared to the 2015-2016 school year, the proportion of conditional entrants in 2016-2017 decreased by 2.5 percentage points. The rate of conditional entrants decreased in both public (-2.5 percentage points) and private (-2.9 percentage points) schools (Table 1). Of 58 counties, 43 (74%) reported overall reductions in conditional entrants, with the largest reductions reported for Tuolumne (-10.4 percentage points) and Los Angeles (-6.3 percentage points) Counties (Table 6). Of the 1.9% of students reported as conditional entrants in 2016-2017, 0.2% were reported as having had a temporary medical exemption.

PMEs: The percentage of students with PMEs increased from 0.2% in 2015-2016 to 0.5% in 2016-2017 (Tables 1 and 7, Figure 3). In public schools, the number of students reported with PMEs increased from 787 (0.2%) to 2,252 (0.4%) (Figure 7), while for private schools, the number of students increased from 144 (0.3%) to 598 (1.4%) (Figure 8).

PBEs: With the option of PBEs available to prior entrants but no longer to new entrants under SB 277, the percentage of kindergarteners with PBEs in 2016-2017 was 0.6%, compared to 2.4% (-1.8 percentage points) in 2015-2016 and 3.2% (-2.6 percentage points) in 2013-2014 (Figures 4 and 6, Table 8). In 2016-2017 PBE rates declined over one year by 3.5 percentage points (from 4.9% to 1.4%) in private schools and 1.7 percentage points (from 2.2% to 0.5%) in public schools (Table 1, Figures 7 and 8). The rates of PBEs continue to vary by county, with a range of 0% - 7% (Table 8).

Other students lacking required immunizations: In 2016-2017, 0.5% of kindergarteners were reported to be lacking one or more required immunizations and to attend an independent study program and do not receive classroom-based instruction, attend a home-based private school, or receive services in an IEP (Tables 1 and 9).

Overdue: The percentage of students reported as being overdue for one or more immunizations (Tables 1 and 3) increased from 0.2% in 2015-2016 to 1.0% in 2016-2017. (Table 1, Figure 6). In public schools the number of students reported as overdue increased from 915 (0.2%) to 4,950 (1.0%) (Figure 7). For private schools the number of students reported as overdue increased from 59 (0.1%) to 700 (1.7%) (Figure 8).

Combined categories: Kindergarteners 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 kindergarteners who were reported in the sum of these three categories increased by 1 percentage point from 97.5% in 2015-2016 to 98.5% in 2016-2017.

Conversely the sum of kindergarteners reported as not having to receive all required immunizations in elementary school because of PMEs, PBEs, or, starting in the 2016-2017 school year, for other criteria specified in SB 277, decreased by 1 percentage point from 2.5% in 2015-2016 to 1.5% in 2016-2017; the combined rate for public schools decreased from 2.3% to 1.4% and for private schools from 5.3% to 3.3%.

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## Discussion

When comparing the 2016-2017 school year to 2015-2016, the proportion of students reported to enter kindergarten in California after receiving all required immunizations increased by 2.8 percentage points to 95.6%, following an increase by 2.4 percentage points between the 2014-2015 and 2015-2016 school years. The 2016-2017 rate of 95.6% is the highest reported to CDPH since varicella vaccine became the most recent addition to the immunizations required for kindergarteners, which began in the 2001-2002 school year.

The 5.2 percentage point increase in the receipt of all required vaccines over the previous two school years is similar in magnitude to a 5.0 percentage point decrease in kindergarteners reported as conditional entrants. The proportion of conditional entrants has decreased by 2.5 percentage points each school year between 2014-2015 and 2016-2017. The current reported rate of conditional entrants, 1.9%, 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 school staff on the proper use of conditional entrance criteria based on the [Conditional Admission Immunization Schedule](#). In addition, annual financial and compliance audits of local education agencies for the 2015-2016 and 2016-2017 school years have been inspecting reimbursement for attendance at schools with higher rates of conditional entrance. It is likely that these measures to promote compliance have contributed to the decreases in students 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 countries<sup>1</sup>.

It is possible that children who in previous school years would have been inaccurately categorized as conditional entrants represent some of the 1.0% of entrants reported as overdue in 2016-2017. Many schools that in the 2016-2017 school year have reported children as being overdue for required immunizations instead reported in prior school years higher rates of conditional entrants; they have also reported low rates for the other categories of students without all required immunizations. The increase in overdue students (+0.8 percentage points) can account for no more than a third of the reduction in conditional entrants (-2.5 percentage points). Continued efforts to educate schools 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 2.9% of kindergarteners reported in 2016-2017, a decrease from 4.6% reported in 2015-2016.

With the additional measures required under AB 2109 for requesting PBEs during 2014 and 2015, the rate of PBEs decreased from 3.2% in 2013-2014 to 2.4% in 2015-2016. With the implementation of SB 277 and the cessation of PBEs for new (but not prior) entrants, the percentage of kindergarteners with PBEs in 2016-2017 has decreased to 0.6%. As children currently in kindergarten advance to higher grades, the proportion of kindergarteners with PBEs is expected to decrease to zero. In 2016-2017, 0.5% of kindergarteners were reported with PME, and another 0.5% lacked required immunizations under other criteria introduced in SB 277. With rounding, 1.5% of entrants were reported as not having had required immunizations

<sup>1</sup> [https://www.cdc.gov/mmwr/preview/mmwrhtml/mm6406a5.htm?s\\_cid=mm6406a5\\_w](https://www.cdc.gov/mmwr/preview/mmwrhtml/mm6406a5.htm?s_cid=mm6406a5_w)

because of PBEs, PME's or other criteria related to SB 277, decreased from 2.5% in 2015-2016. Future assessments will follow the trends for these measurements as kindergarteners no longer qualify for PBEs.

Despite the improvements in reported immunization rates, children in schools and communities with lower rates remain at higher risk of contracting and transmitting vaccine preventable diseases. In 2016-2017, 9 (16%) of 58 counties in California have rates of kindergarteners with all required vaccines that are below 90% (Figure 9), compared to 20 (34%) in 2015-2016. The number of counties that report fewer than 95% of their kindergarteners as having had two doses of MMR (Table 11, Figure 10), an approximate threshold necessary to prevent the transmission of measles, has decreased from 31 (53%) in 2015-2016 to 14 (24%) in 2016-2017. As an additional source of vulnerability, recent changes to California's school immunization laws did not apply to earlier cohorts of children who are no longer of school age. Unimmunized older children and adults were amongst those who caught measles in the Disneyland outbreak in 2014 and 2015. For these individuals, decisions that were made in previous decades to not immunize have had lingering consequences for themselves and their communities.

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## Limitations

This report is subject to limitations that include:

- 446 California elementary schools, including 362 private schools and 84 public schools, did not report their immunization data; in the absence of reporting, CDPH does not know how many of them enrolled kindergarteners this year or the immunization status of their kindergarteners.
- As in previous years, additional private home schools that did not register with the California Department of Education may not have reported data to CDPH, which would result in continued underestimates of their enrollment.
- Part of the relative improvements in the completion rates of specific vaccines may have been due to the inclusion in reporting this year of doses received by partially immunized children who had PBEs or PME'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 in prior years and overestimates of the increases in the completion rates for specific vaccines between 2016-2017 and prior years. The magnitude of the resultant increase to the rate of any immunization series in 2016-2017 resulting from this change in reporting could be no greater than 1.5%, the total of students reported in categories as not having to receive all required immunizations (PME's, PBE's 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 schools 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 schools are another potential explanation for changes in immunization rates.

For further information, please contact the CDPH Immunization Branch at [SchoolAssessments@cdph.ca.gov](mailto:SchoolAssessments@cdph.ca.gov).

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

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Table 7. Number and Percentage of Students with a Permanent Medical Exemption (PME) in 2016-2017 and 2015-2016, and 1-Year Percentage Point Change, by County

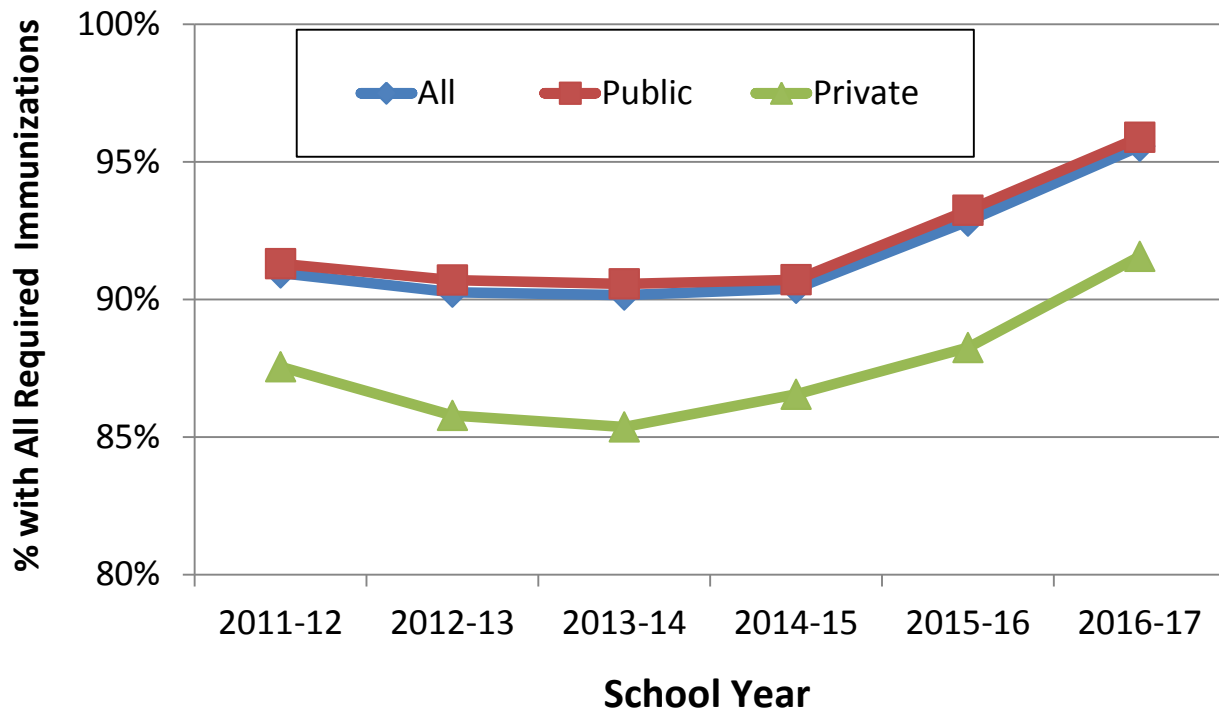
Table 8. Number and Percentage of Students with a Personal Beliefs Exemption (PBE) in 2016-2017 and 2015-2016, and 1-Year Percentage Point Change, by County

Table 9. Number and Percentage of Other Students Lacking Required Immunizations, by Subgroup and County

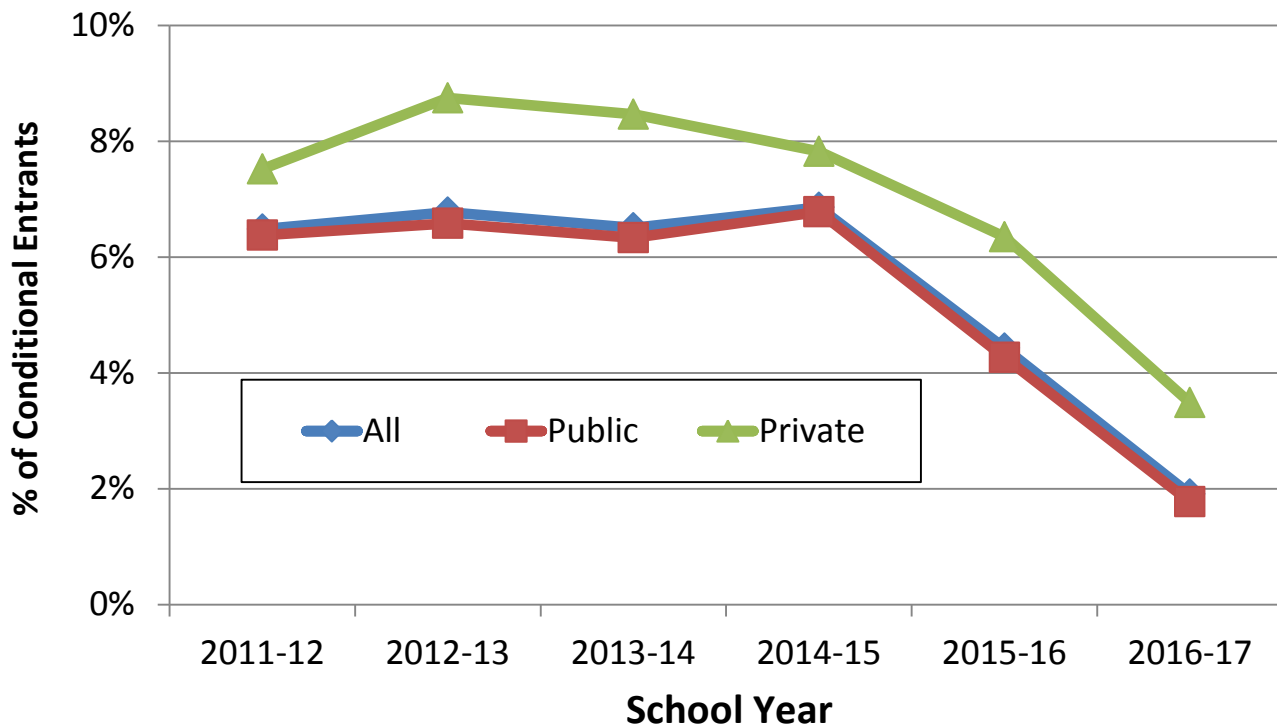
Table 10. Number and Percentage of Students with Overdue Status in 2016-2017 and 2015-2016, and 1-Year Percentage Point Change, by County

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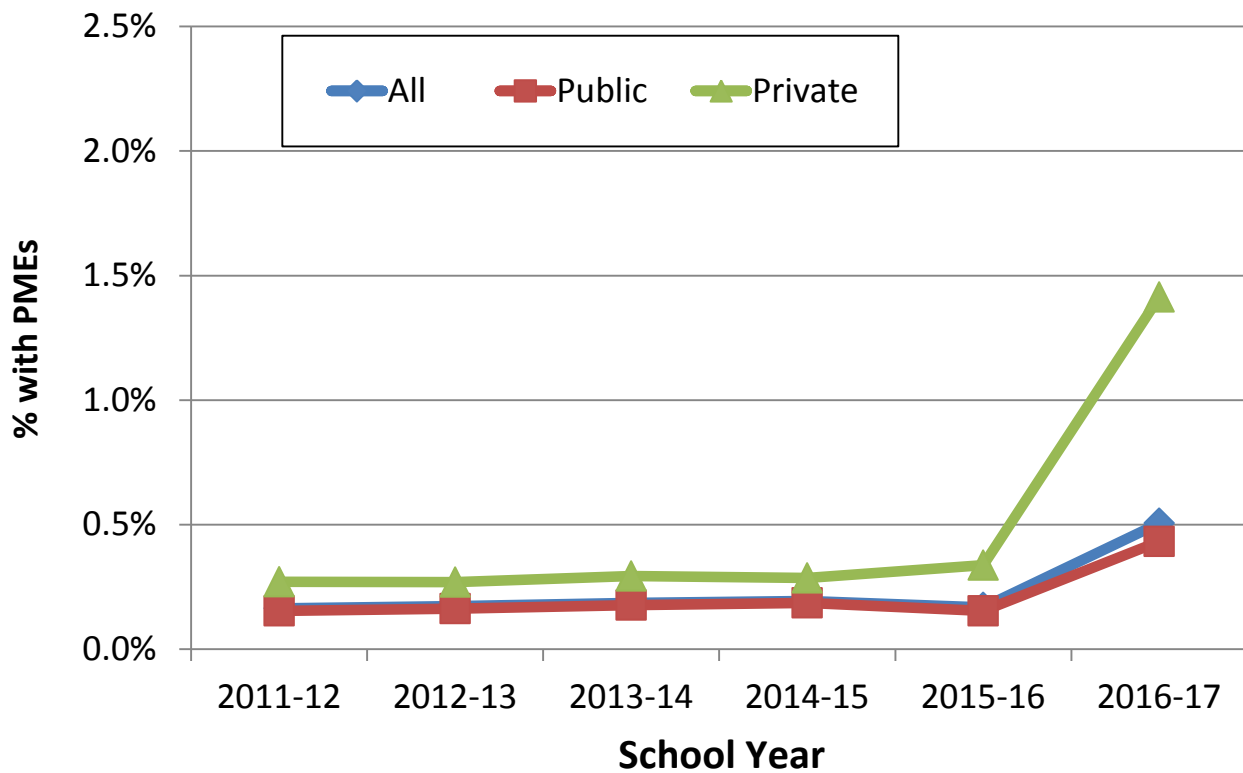




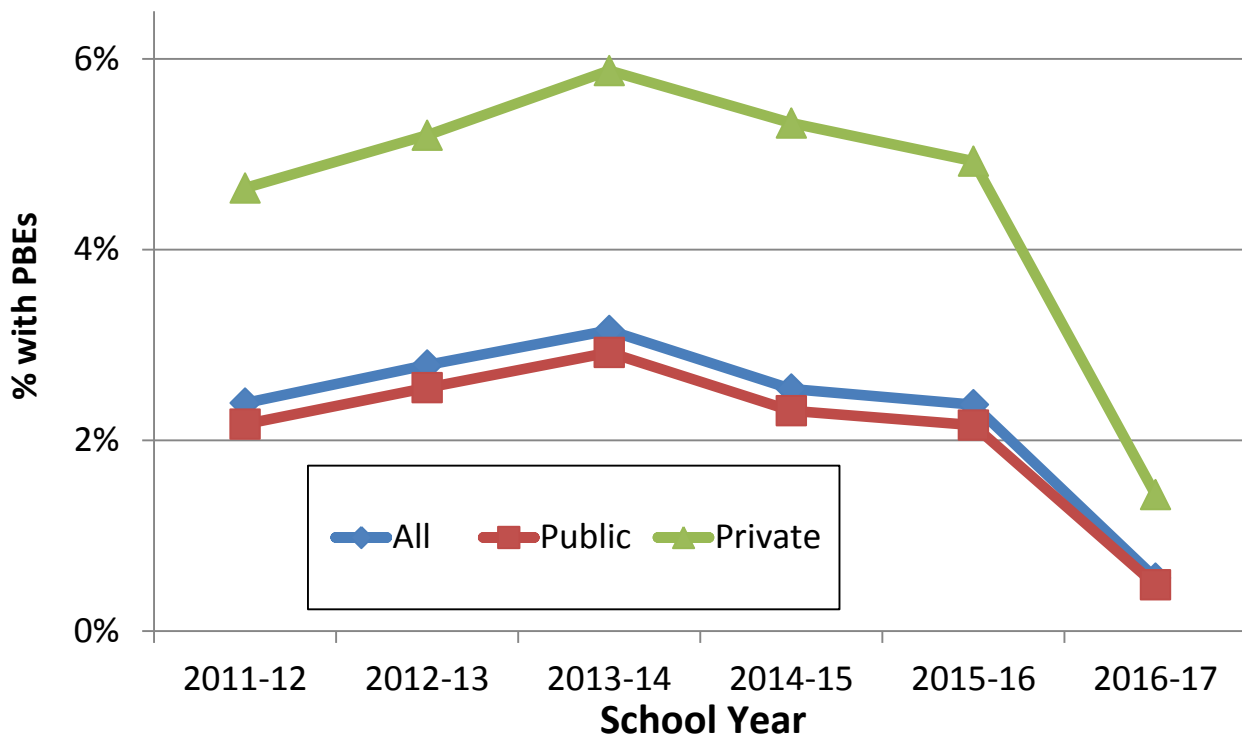
**Figure 1. Percentage of Kindergarten Students with All Required Immunizations, by School Type and School Year, 2011-2012 to 2016-2017**



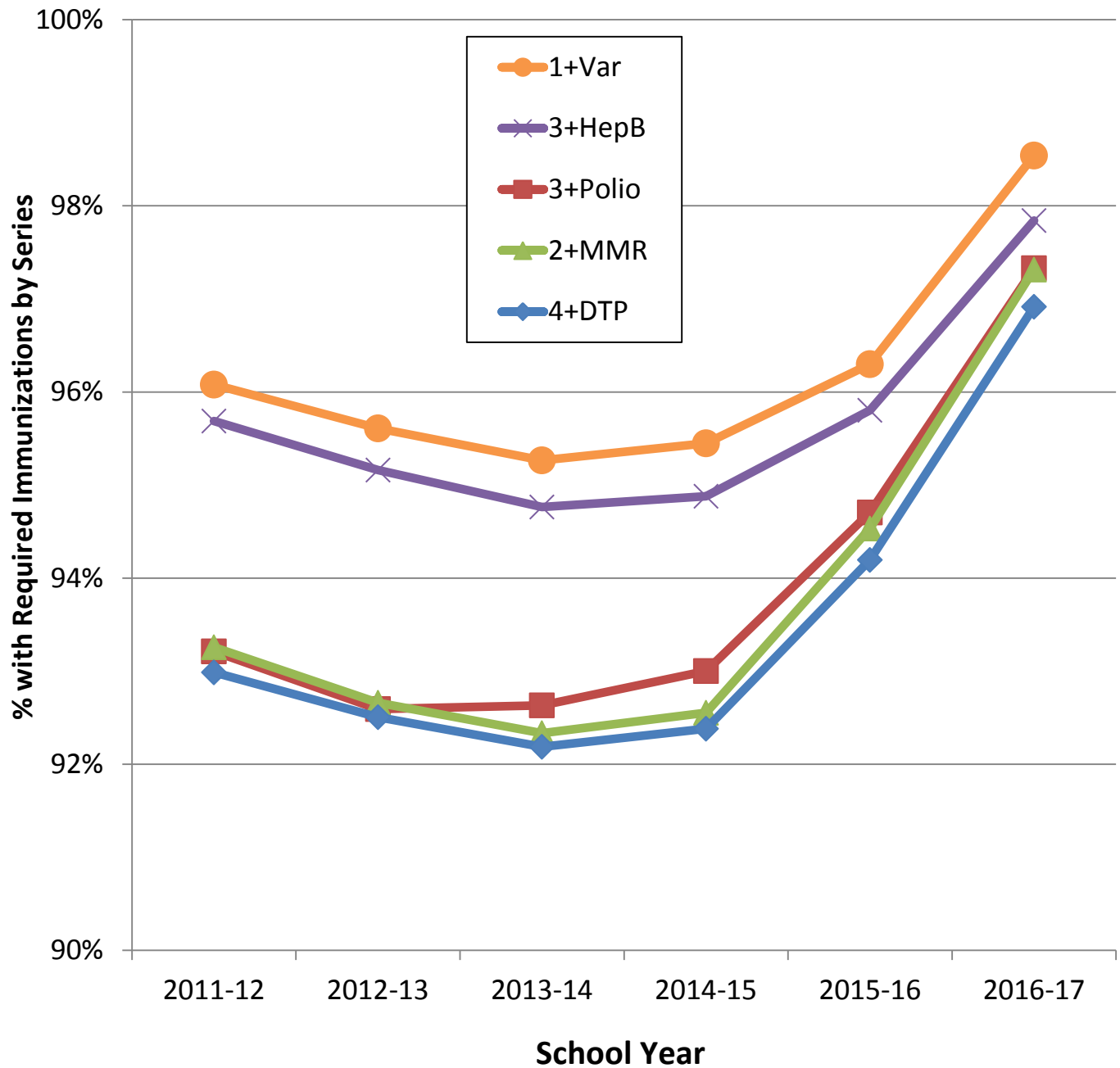
**Figure 2. Percentage of Conditional Entrants into Kindergarten, by School Type and School Year, 2011-2012 to 2016-2017**



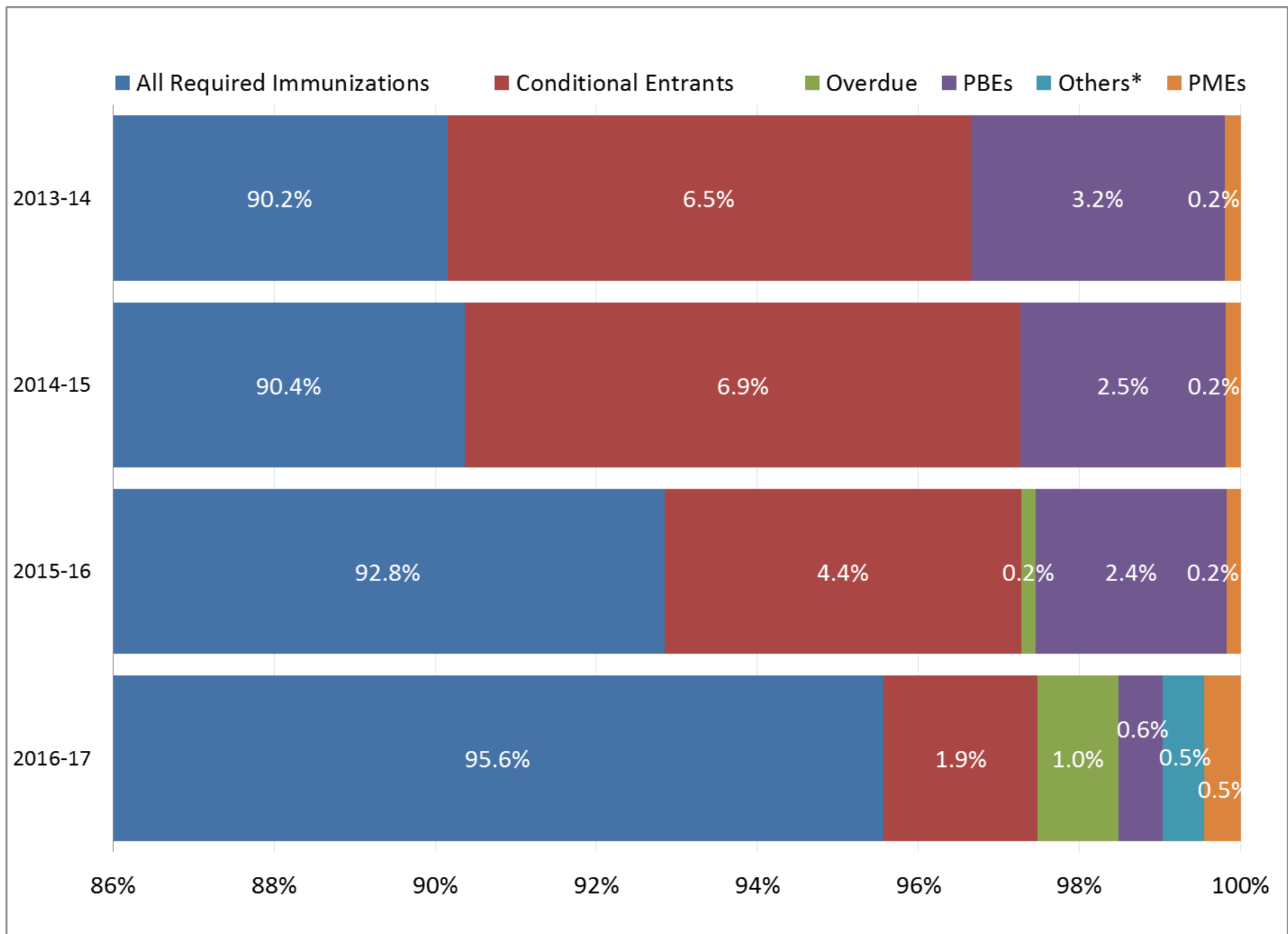
**Figure 3. Percentage of Kindergarten Students with Permanent Medical Exemptions (PMEs), by School Type and School Year, 2011-2012 to 2016-2017**



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

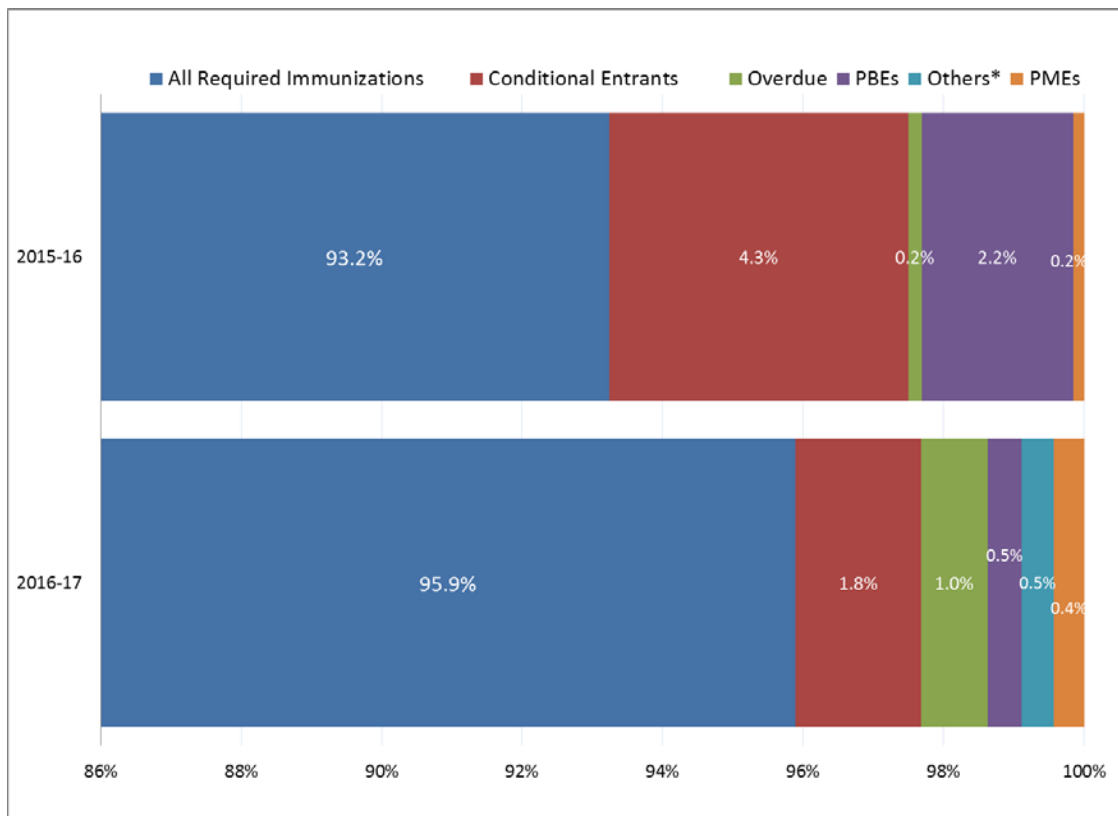


**Figure 5. Percentage of Kindergarten Students with Specific Required Immunizations by Series and School Year, 2011-2012 to 2016-2017**



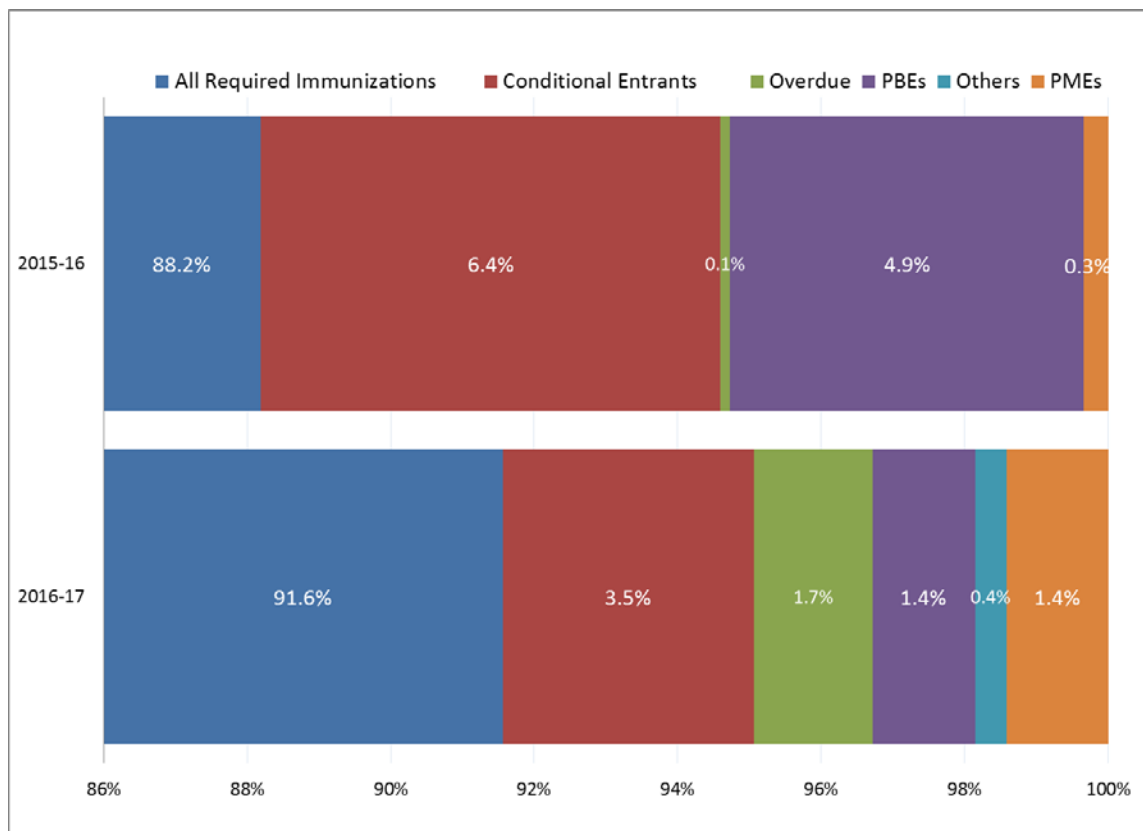
\*Other children lacking required immunizations under criteria specified in SB 277.

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



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

**Figure 7. Percentage of Public School Kindergarten Students by Reported Admission Status by School Year, 2015-2016 and 2016-2017**



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

**Figure 8. Percentage of Private School Kindergarten Students by Reported Admission Status by School Year, 2015-2016 and 2016-2017**

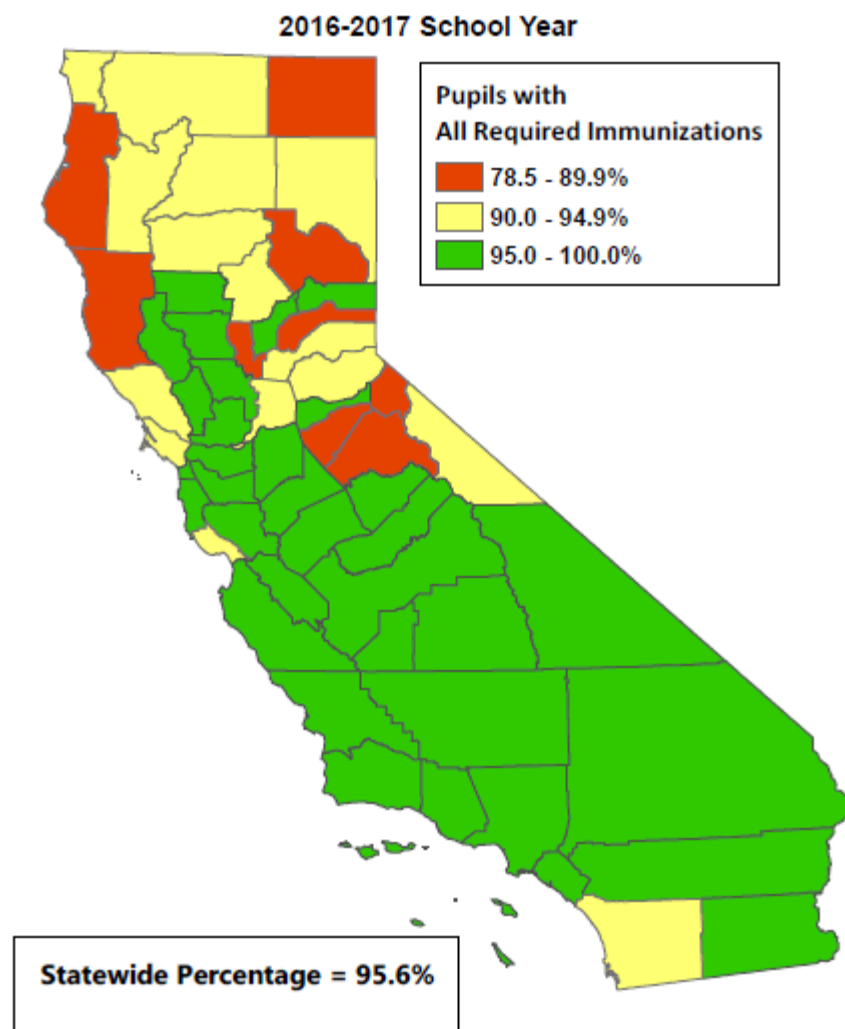
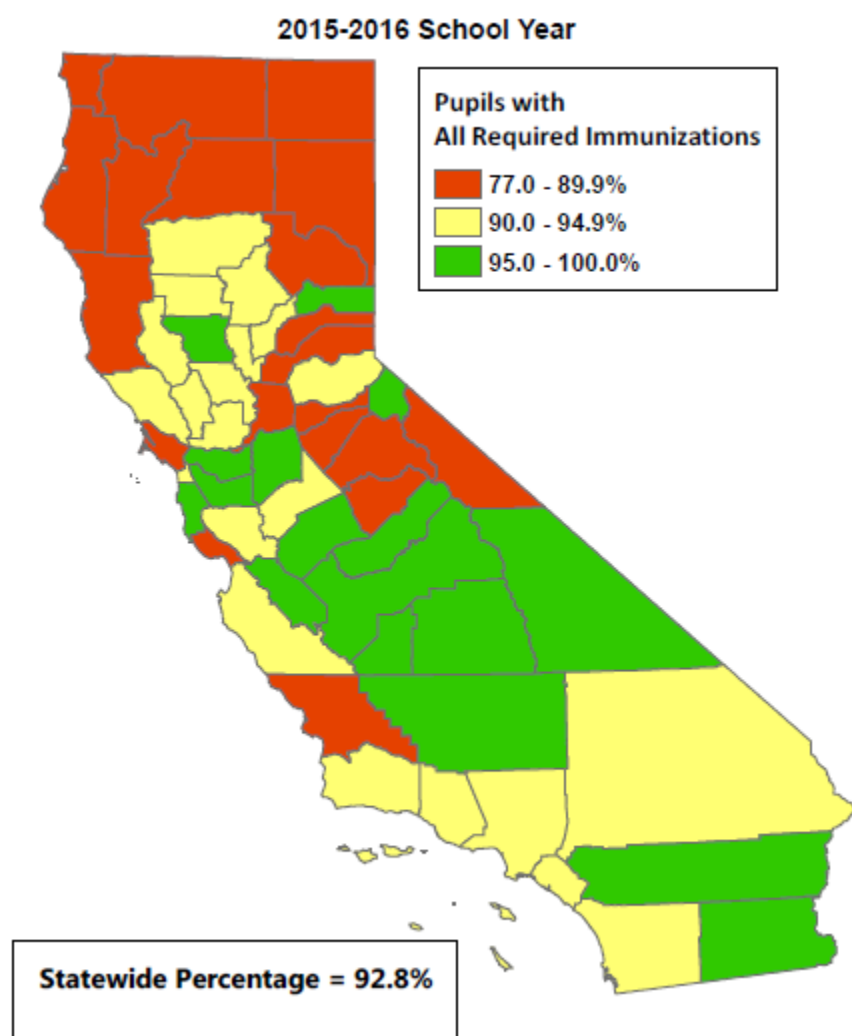


Figure 9. Kindergarten Students with All Required Immunizations, by County, 2015-2016 and 2016-2017 School Years

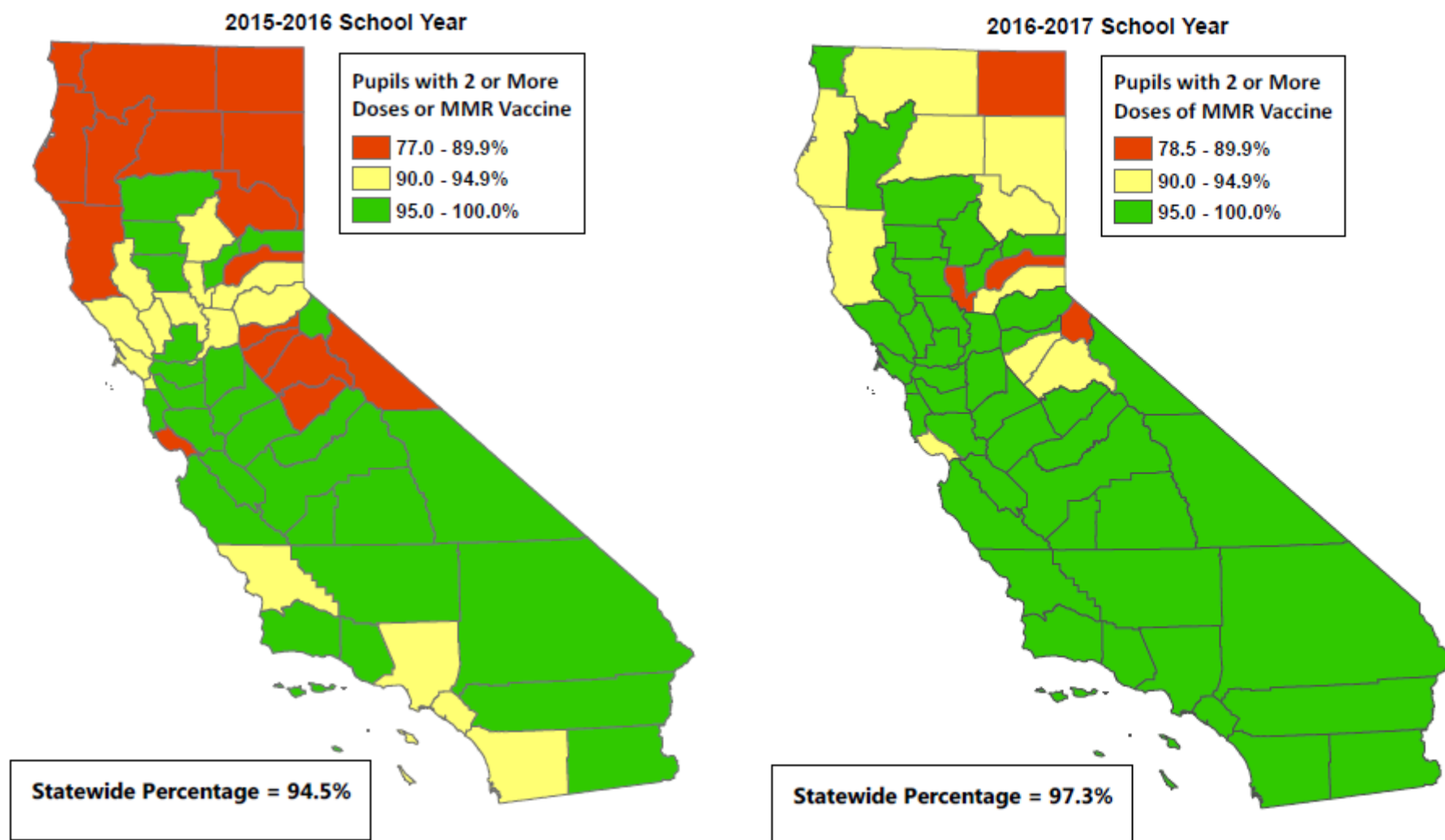


Figure 10. Kindergarten Students with 2 or More Doses of MMR Vaccine, by County, 2015-2016 and 2016-2017 School Years.

**Table 1: Kindergarten Immunization Assessment, 2015-2016 and 2016-2017 School Years**

	2016-17			2015-16			1-Year Percentage Point Change		
	All	Public	Private	All	Public	Private	All	Public	Private
Number of Schools Reporting Kindergarten Students	7,820	5,967	1,853	7,873	5,971	1,902			
Number of Kindergarten Students	562,924	520,626	42,298	551,123	508,458	42,665			
All Required Immunizations	95.6%	95.9%	91.6%	92.8%	93.2%	88.2%	2.8%	2.7%	3.4%
Conditional Entrants	1.9%	1.8%	3.5%	4.4%	4.3%	6.4%	-2.5%	-2.5%	-2.9%
Permanent Medical Exemptions	0.5%	0.4%	1.4%	0.2%	0.2%	0.3%	0.3%	0.3%	1.1%
Personal Belief Exemptions	0.6%	0.5%	1.4%	2.4%	2.2%	4.9%	-1.8%	-1.7%	-3.5%
Others Lacking immunizations*	0.5%	0.5%	0.4%	(New category for 2016-2017)			0.5%	0.5%	0.4%
Overdue^	1.0%	1.0%	1.7%	0.2%	0.2%	0.1%	0.8%	0.8%	1.5%
4+ DTP	96.9%	97.1%	94.3%	94.2%	94.5%	90.4%	2.7%	2.6%	3.9%
3+ Polio	97.3%	97.6%	94.1%	94.7%	95.0%	90.7%	2.6%	2.6%	3.4%
2+ MMR	97.3%	97.6%	94.4%	94.5%	94.9%	90.5%	2.8%	2.7%	3.9%
3+ Hep B	97.8%	98.0%	95.4%	95.8%	96.1%	92.8%	2.0%	1.9%	2.6%
1+ Var (or physician-documented disease)	98.5%	98.7%	96.1%	96.3%	96.6%	93.2%	2.2%	2.1%	2.9%

\*Includes students reported as attending independent study without classroom-based instruction or home-based private schools or receiving IEP services.

^Overdue for one or more required immunizations.



KINDERGARTEN IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017

TABLE 2: NUMBER AND PERCENTAGE OF SCHOOLS REPORTING,  
BY COUNTY AND TYPE

	ALL			PUBLIC			PRIVATE		
	NUMBER OF SCHOOLS	NUMBER REPORTING	PERCENT REPORTING	NUMBER OF SCHOOLS	NUMBER REPORTING	PERCENT REPORTING	NUMBER OF SCHOOLS	NUMBER REPORTING	PERCENT REPORTING
STATE TOTAL	8,266	7,820	94.6%	6,051	5,967	98.6%	2,215	1,853	83.7%
COUNTY									
ALAMEDA	341	316	92.7%	232	229	98.7%	109	87	79.8%
ALPINE	1	1	100.0%	1	1	100.0%	0	0	0.0%
AMADOR	7	6	85.7%	7	6	85.7%	0	0	0.0%
BUTTE	56	56	100.0%	48	48	100.0%	8	8	100.0%
CALAVERAS	13	11	84.6%	11	11	100.0%	2	0	0.0%
COLUSA	7	7	100.0%	6	6	100.0%	1	1	100.0%
CONTRA COSTA	228	223	97.8%	162	162	100.0%	66	61	92.4%
DEL NORTE	11	11	100.0%	10	10	100.0%	1	1	100.0%
EL DORADO	41	41	100.0%	34	34	100.0%	7	7	100.0%
FRESNO	228	228	100.0%	203	203	100.0%	25	25	100.0%
GLENN	13	13	100.0%	11	11	100.0%	2	2	100.0%
HUMBOLDT	58	58	100.0%	51	51	100.0%	7	7	100.0%
IMPERIAL	46	46	100.0%	39	39	100.0%	7	7	100.0%
INYO	6	6	100.0%	6	6	100.0%	0	0	0.0%
KERN	198	173	87.4%	156	148	94.9%	42	25	59.5%
KINGS	38	38	100.0%	33	33	100.0%	5	5	100.0%
LAKE	17	16	94.1%	14	14	100.0%	3	2	66.7%
LASSEN	15	14	93.3%	14	14	100.0%	1	0	0.0%
LOS ANGELES	2,010	1,773	88.2%	1,325	1,286	97.1%	685	487	71.1%
MADERA	44	38	86.4%	39	36	92.3%	5	2	40.0%
MARIN	73	73	100.0%	47	47	100.0%	26	26	100.0%
MARIPOSA	7	1	14.3%	7	1	14.3%	0	0	0.0%
MENDOCINO	31	29	93.5%	26	26	100.0%	5	3	60.0%
MERCED	67	61	91.0%	55	55	100.0%	12	6	50.0%
MODOC	4	4	100.0%	4	4	100.0%	0	0	0.0%
MONO	6	6	100.0%	5	5	100.0%	1	1	100.0%
MONTEREY	97	94	96.9%	83	81	97.6%	14	13	92.9%
NAPA	39	39	100.0%	24	24	100.0%	15	15	100.0%
NEVADA	24	23	95.8%	20	20	100.0%	4	3	75.0%

KINDERGARTEN IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017

TABLE 2: NUMBER AND PERCENTAGE OF SCHOOLS REPORTING,  
BY COUNTY AND TYPE

	ALL			PUBLIC			PRIVATE		
	NUMBER OF SCHOOLS	NUMBER REPORTING	PERCENT REPORTING	NUMBER OF SCHOOLS	NUMBER REPORTING	PERCENT REPORTING	NUMBER OF SCHOOLS	NUMBER REPORTING	PERCENT REPORTING
STATE TOTAL	8,266	7,820	94.6%	6,051	5,967	98.6%	2,215	1,853	83.7%
COUNTY									
ORANGE	609	609	100.0%	397	397	100.0%	212	212	100.0%
PLACER	93	88	94.6%	77	77	100.0%	16	11	68.8%
PLUMAS	9	7	77.8%	5	5	100.0%	4	2	50.0%
RIVERSIDE	393	371	94.4%	293	293	100.0%	100	78	78.0%
SACRAMENTO	317	291	91.8%	240	235	97.9%	77	56	72.7%
SAN BENITO	21	21	100.0%	17	17	100.0%	4	4	100.0%
SAN BERNARDINO	429	428	99.8%	349	349	100.0%	80	79	98.8%
SAN DIEGO	626	624	99.7%	477	477	100.0%	149	147	98.7%
SAN FRANCISCO	147	147	100.0%	76	76	100.0%	71	71	100.0%
SAN JOAQUIN	185	185	100.0%	160	160	100.0%	25	25	100.0%
SAN LUIS OBISPO	60	60	100.0%	45	45	100.0%	15	15	100.0%
SAN MATEO	162	162	100.0%	110	110	100.0%	52	52	100.0%
SANTA BARBARA	101	101	100.0%	77	77	100.0%	24	24	100.0%
SANTA CLARA	395	387	98.0%	262	262	100.0%	133	125	94.0%
SANTA CRUZ	65	63	96.9%	46	46	100.0%	19	17	89.5%
SHASTA	67	62	92.5%	51	51	100.0%	16	11	68.8%
SIERRA	2	2	100.0%	2	2	100.0%	0	0	0.0%
SISKIYOU	26	26	100.0%	22	22	100.0%	4	4	100.0%
SOLANO	82	74	90.2%	62	62	100.0%	20	12	60.0%
SONOMA	131	129	98.5%	109	109	100.0%	22	20	90.9%
STANISLAUS	135	111	82.2%	119	105	88.2%	16	6	37.5%
SUTTER	35	35	100.0%	31	31	100.0%	4	4	100.0%
TEHAMA	25	24	96.0%	22	22	100.0%	3	2	66.7%
TRINITY	11	11	100.0%	11	11	100.0%	0	0	0.0%
TULARE	124	115	92.7%	110	108	98.2%	14	7	50.0%
TUOLUMNE	18	18	100.0%	13	13	100.0%	5	5	100.0%
VENTURA	199	193	97.0%	136	136	100.0%	63	57	90.5%
YOLO	46	46	100.0%	34	34	100.0%	12	12	100.0%
YUBA	27	25	92.6%	25	24	96.0%	2	1	50.0%

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

	TOTAL STUDENTS	STUDENTS WITH ALL REQUIRED IMMUNIZATIONS		CONDITIONAL ENTRANTS		STUDENTS WITH PME		STUDENTS WITH PBE		OTHERS LACKING REQUIRED IMMUNIZATIONS†		OVERDUE^	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	562,924	537,967	95.6%	10,735	1.9%	2,850	0.5%	3,133	0.6%	2,564	0.5%	5,650	1.0%
COUNTY													
ALAMEDA	21,910	21,302	97.2%	278	1.3%	76	0.3%	32	0.1%	13	0.1%	209	1.0%
ALPINE	6	<20*	--*	<20*	--*	<20*	--*	<20*	--*	<20*	--*	<20*	--*
AMADOR	290	279	96.2%	8	2.8%	0	0.0%	2	0.7%	1	0.3%	0	0.0%
BUTTE	2,814	2,648	94.1%	63	2.2%	29	1.0%	17	0.6%	40	1.4%	17	0.6%
CALAVERAS	462	414	89.6%	23	5.0%	3	0.6%	8	1.7%	14	3.0%	0	0.0%
COLUSA	411	399	97.1%	4	1.0%	1	0.2%	0	0.0%	0	0.0%	7	1.7%
CONTRA COSTA	15,434	14,976	97.0%	218	1.4%	68	0.4%	68	0.4%	29	0.2%	75	0.5%
DEL NORTE	401	372	92.8%	13	3.2%	1	0.2%	0	0.0%	15	3.7%	0	0.0%
EL DORADO	2,205	2,071	93.9%	72	3.3%	31	1.4%	24	1.1%	4	0.2%	3	0.1%
FRESNO	18,779	18,241	97.1%	308	1.6%	33	0.2%	30	0.2%	44	0.2%	123	0.7%
GLENN	481	468	97.3%	8	1.7%	1	0.2%	2	0.4%	0	0.0%	2	0.4%
HUMBOLDT	1,799	1,560	86.7%	109	6.1%	16	0.9%	30	1.7%	70	3.9%	14	0.8%
IMPERIAL	3,254	3,169	97.4%	32	1.0%	5	0.2%	3	0.1%	2	0.1%	43	1.3%
INYO	212	202	95.3%	5	2.4%	2	0.9%	0	0.0%	0	0.0%	3	1.4%
KERN	16,497	15,687	95.1%	423	2.6%	27	0.2%	223	1.4%	23	0.1%	114	0.7%
KINGS	2,731	2,665	97.6%	49	1.8%	5	0.2%	2	0.1%	1	0.0%	9	0.3%
LAKE	840	810	96.4%	18	2.1%	6	0.7%	0	0.0%	4	0.5%	2	0.2%
LASSEN	357	324	90.8%	7	2.0%	5	1.4%	4	1.1%	17	4.8%	0	0.0%
LOS ANGELES	140,269	133,310	95.0%	2,752	2.0%	515	0.4%	657	0.5%	301	0.2%	2,734	1.9%
MADERA	2,835	2,723	96.0%	41	1.4%	5	0.2%	2	0.1%	23	0.8%	41	1.4%
MARIN	3,245	3,023	93.2%	99	3.1%	68	2.1%	40	1.2%	0	0.0%	15	0.5%
MARIPOSA	19	<20*	--*	<20*	--*	<20*	--*	<20*	--*	<20*	--*	<20*	--*
MENDOCINO	1,195	1,060	88.7%	102	8.5%	7	0.6%	13	1.1%	5	0.4%	8	0.7%
MERCED	5,618	5,486	97.7%	83	1.5%	8	0.1%	1	0.0%	16	0.3%	24	0.4%
MODOC	130	102	78.5%	28	21.5%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
MONO	139	130	93.5%	6	4.3%	2	1.4%	1	0.7%	0	0.0%	0	0.0%
MONTEREY	7,221	7,039	97.5%	87	1.2%	37	0.5%	17	0.2%	4	0.1%	37	0.5%
NAPA	1,702	1,637	96.2%	23	1.4%	19	1.1%	11	0.6%	12	0.7%	0	0.0%
NEVADA	944	764	80.9%	44	4.7%	34	3.6%	66	7.0%	35	3.7%	1	0.1%

† Includes students reported as attending independent study who do not receive classroom-based instruction or home-based private schools or receiving IEP services.

^ Overdue for one or more immunizations.

\* County reporting fewer than 20 children in kindergarten.

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

	TOTAL STUDENTS	STUDENTS WITH ALL REQUIRED IMMUNIZATIONS		CONDITIONAL ENTRANTS		STUDENTS WITH PME		STUDENTS WITH PBE		OTHERS LACKING REQUIRED IMMUNIZATIONS†		OVERDUE^	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	562,924	537,967	95.6%	10,735	1.9%	2,850	0.5%	3,133	0.6%	2,564	0.5%	5,650	1.0%
COUNTY													
ORANGE	42,389	40,490	95.5%	847	2.0%	348	0.8%	269	0.6%	179	0.4%	256	0.6%
PLACER	5,847	5,402	92.4%	197	3.4%	64	1.1%	69	1.2%	32	0.5%	83	1.4%
PLUMAS	166	149	89.8%	10	6.0%	5	3.0%	1	0.6%	1	0.6%	0	0.0%
RIVERSIDE	36,132	34,809	96.3%	568	1.6%	151	0.4%	95	0.3%	153	0.4%	356	1.0%
SACRAMENTO	21,993	20,684	94.0%	653	3.0%	129	0.6%	127	0.6%	266	1.2%	134	0.6%
SAN BENITO	967	949	98.1%	9	0.9%	3	0.3%	0	0.0%	0	0.0%	6	0.6%
SAN BERNARDINO	34,471	33,135	96.1%	638	1.9%	105	0.3%	83	0.2%	179	0.5%	331	1.0%
SAN DIEGO	46,044	43,613	94.7%	796	1.7%	404	0.9%	655	1.4%	329	0.7%	247	0.5%
SAN FRANCISCO	6,742	6,445	95.6%	122	1.8%	33	0.5%	22	0.3%	0	0.0%	120	1.8%
SAN JOAQUIN	12,572	12,232	97.3%	170	1.4%	32	0.3%	30	0.2%	68	0.5%	40	0.3%
SAN LUIS OBISPO	3,154	3,015	95.6%	80	2.5%	19	0.6%	13	0.4%	18	0.6%	9	0.3%
SAN MATEO	9,608	9,275	96.5%	171	1.8%	34	0.4%	20	0.2%	4	0.0%	104	1.1%
SANTA BARBARA	6,674	6,435	96.4%	119	1.8%	41	0.6%	47	0.7%	30	0.4%	2	0.0%
SANTA CLARA	26,070	25,305	97.1%	348	1.3%	108	0.4%	84	0.3%	18	0.1%	207	0.8%
SANTA CRUZ	3,681	3,338	90.7%	99	2.7%	53	1.4%	43	1.2%	134	3.6%	14	0.4%
SHASTA	2,386	2,200	92.2%	79	3.3%	29	1.2%	34	1.4%	29	1.2%	15	0.6%
SIERRA	23	22	95.7%	1	4.3%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
SISKIYOU	520	481	92.5%	11	2.1%	7	1.3%	5	1.0%	15	2.9%	1	0.2%
SOLANO	5,919	5,723	96.7%	102	1.7%	16	0.3%	16	0.3%	13	0.2%	49	0.8%
SONOMA	6,669	6,231	93.4%	177	2.7%	109	1.6%	92	1.4%	21	0.3%	39	0.6%
STANISLAUS	9,166	8,847	96.5%	185	2.0%	33	0.4%	38	0.4%	13	0.1%	50	0.5%
SUTTER	1,995	1,701	85.3%	17	0.9%	8	0.4%	18	0.9%	245	12.3%	6	0.3%
TEHAMA	1,024	956	93.4%	49	4.8%	8	0.8%	5	0.5%	6	0.6%	0	0.0%
TRINITY	144	131	91.0%	10	6.9%	0	0.0%	0	0.0%	1	0.7%	2	1.4%
TULARE	9,243	9,104	98.5%	83	0.9%	10	0.1%	5	0.1%	26	0.3%	15	0.2%
TUOLUMNE	570	506	88.8%	20	3.5%	11	1.9%	17	3.0%	6	1.1%	10	1.8%
VENTURA	12,247	11,774	96.1%	183	1.5%	77	0.6%	73	0.6%	87	0.7%	53	0.4%
YOLO	2,830	2,733	96.6%	58	2.0%	8	0.3%	17	0.6%	7	0.2%	7	0.2%
YUBA	1,478	1,421	96.1%	30	2.0%	1	0.1%	2	0.1%	11	0.7%	13	0.9%

† Includes students reported as attending independent study who do not receive classroom-based instruction or home-based private schools or receiving IEP services.

^ Overdue for one or more immunizations.

\* County reporting fewer than 20 children in kindergarten.

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

	SCHOOL YEAR	TOTAL STUDENTS	STUDENTS WITH ALL REQUIRED IMMUNIZATIONS	CONDITIONAL ENTRANTS	STUDENTS WITH PME	STUDENTS WITH PBE	OTHERS LACKING REQUIRED IMMUNIZATIONS†	OVERDUE^
		NUMBER	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
STATE TOTAL	2016-17	562,924	95.6%	1.9%	0.5%	0.6%	0.5%	1.0%
	2015-16	551,123	92.8%	4.4%	0.2%	2.4%		0.2%
COUNTY ALAMEDA	2016-17	21,910	97.2%	1.3%	0.3%	0.1%	0.1%	1.0%
	2015-16	21,644	95.9%	2.5%	0.1%	1.2%		0.3%
ALPINE	2016-17	6	--*	--*	--*	--*	--*	--*
	2015-16	6	--*	--*	--*	--*		--*
AMADOR	2016-17	290	96.2%	2.8%	0.0%	0.7%	0.3%	0.0%
	2015-16	307	87.3%	6.5%	1.0%	3.3%		2.0%
BUTTE	2016-17	2,814	94.1%	2.2%	1.0%	0.6%	1.4%	0.6%
	2015-16	2,936	90.4%	4.0%	0.2%	5.3%		0.1%
CALAVERAS	2016-17	462	89.6%	5.0%	0.6%	1.7%	3.0%	0.0%
	2015-16	419	88.3%	0.7%	0.0%	10.5%		0.5%
COLUSA	2016-17	411	97.1%	1.0%	0.2%	0.0%	0.0%	1.7%
	2015-16	408	99.8%	0.2%	0.0%	0.0%		0.0%
CONTRA COSTA	2016-17	15,434	97.0%	1.4%	0.4%	0.4%	0.2%	0.5%
	2015-16	15,398	95.1%	2.7%	0.2%	2.0%		0.0%
DEL NORTE	2016-17	401	92.8%	3.2%	0.2%	0.0%	3.7%	0.0%
	2015-16	344	88.4%	2.9%	0.0%	8.7%		0.0%
EL DORADO	2016-17	2,205	93.9%	3.3%	1.4%	1.1%	0.2%	0.1%
	2015-16	2,246	90.4%	2.0%	0.3%	7.2%		0.0%
FRESNO	2016-17	18,779	97.1%	1.6%	0.2%	0.2%	0.2%	0.7%
	2015-16	18,763	96.2%	2.7%	0.1%	1.0%		0.1%
GLENN	2016-17	481	97.3%	1.7%	0.2%	0.4%	0.0%	0.4%
	2015-16	483	94.6%	2.1%	0.2%	2.5%		0.6%
HUMBOLDT	2016-17	1,799	86.7%	6.1%	0.9%	1.7%	3.9%	0.8%
	2015-16	1,741	82.0%	7.0%	0.3%	10.4%		0.3%
IMPERIAL	2016-17	3,254	97.4%	1.0%	0.2%	0.1%	0.1%	1.3%
	2015-16	3,200	95.3%	3.9%	0.2%	0.5%		0.0%
INYO	2016-17	212	95.3%	2.4%	0.9%	0.0%	0.0%	1.4%
	2015-16	209	98.6%	0.5%	0.0%	1.0%		0.0%
KERN	2016-17	16,497	95.1%	2.6%	0.2%	1.4%	0.1%	0.7%
	2015-16	16,492	95.3%	2.9%	0.2%	1.5%		0.2%

† Includes students reported as attending independent study who do not receive classroom-based instruction or home-based private schools or receiving IEP services.

^ Overdue for one or more immunizations.

\* County reporting fewer than 20 children in kindergarten.

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

	SCHOOL YEAR	TOTAL STUDENTS	STUDENTS WITH ALL REQUIRED IMMUNIZATIONS	CONDITIONAL ENTRANTS	STUDENTS WITH PME	STUDENTS WITH PBE	OTHERS LACKING REQUIRED IMMUNIZATIONS†	OVERDUE^
		NUMBER	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
STATE TOTAL	2016-17	562,924	95.6%	1.9%	0.5%	0.6%	0.5%	1.0%
	2015-16	551,123	92.8%	4.4%	0.2%	2.4%		0.2%
COUNTY KINGS	2016-17	2,731	97.6%	1.8%	0.2%	0.1%	0.0%	0.3%
	2015-16	2,588	96.9%	2.0%	0.1%	0.9%		0.1%
LAKE	2016-17	840	96.4%	2.1%	0.7%	0.0%	0.5%	0.2%
	2015-16	804	92.9%	3.9%	0.7%	2.5%		0.0%
LASSEN	2016-17	357	90.8%	2.0%	1.4%	1.1%	4.8%	0.0%
	2015-16	378	86.0%	3.7%	0.8%	9.5%		0.0%
LOS ANGELES	2016-17	140,269	95.0%	2.0%	0.4%	0.5%	0.2%	1.9%
	2015-16	134,209	90.0%	8.2%	0.1%	1.5%		0.1%
MADERA	2016-17	2,835	96.0%	1.4%	0.2%	0.1%	0.8%	1.4%
	2015-16	2,797	95.9%	2.4%	0.2%	1.4%		0.1%
MARIN	2016-17	3,245	93.2%	3.1%	2.1%	1.2%	0.0%	0.5%
	2015-16	3,306	88.5%	5.3%	0.2%	5.9%		0.0%
MARIPOSA	2016-17	19	--*	--*	--*	--*	--*	--*
	2015-16	157	81.5%	5.1%	0.0%	13.4%		0.0%
MENDOCINO	2016-17	1,195	88.7%	8.5%	0.6%	1.1%	0.4%	0.7%
	2015-16	1,191	87.4%	4.4%	0.4%	7.1%		0.7%
MERCED	2016-17	5,618	97.7%	1.5%	0.1%	0.0%	0.3%	0.4%
	2015-16	5,016	96.5%	2.0%	0.1%	0.8%		0.6%
MODOC	2016-17	130	78.5%	21.5%	0.0%	0.0%	0.0%	0.0%
	2015-16	128	87.5%	10.2%	0.0%	0.8%		1.6%
MONO	2016-17	139	93.5%	4.3%	1.4%	0.7%	0.0%	0.0%
	2015-16	144	88.2%	0.7%	0.0%	11.1%		0.0%
MONTEREY	2016-17	7,221	97.5%	1.2%	0.5%	0.2%	0.1%	0.5%
	2015-16	6,960	94.7%	3.5%	0.2%	1.4%		0.1%
NAPA	2016-17	1,702	96.2%	1.4%	1.1%	0.6%	0.7%	0.0%
	2015-16	1,750	93.4%	3.1%	0.2%	3.3%		0.0%
NEVADA	2016-17	944	80.9%	4.7%	3.6%	7.0%	3.7%	0.1%
	2015-16	896	77.1%	3.3%	0.2%	18.4%		0.9%
ORANGE	2016-17	42,389	95.5%	2.0%	0.8%	0.6%	0.4%	0.6%
	2015-16	42,007	92.5%	4.2%	0.2%	3.0%		0.1%

† Includes students reported as attending independent study who do not receive classroom-based instruction or home-based private schools or receiving IEP services.

^ Overdue for one or more immunizations.

\* County reporting fewer than 20 children in kindergarten.

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

	SCHOOL YEAR	TOTAL STUDENTS	STUDENTS WITH ALL REQUIRED IMMUNIZATIONS	CONDITIONAL ENTRANTS	STUDENTS WITH PME	STUDENTS WITH PBE	OTHERS LACKING REQUIRED IMMUNIZATIONS†	OVERDUE^
		NUMBER	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
STATE TOTAL	2016-17	562,924	95.6%	1.9%	0.5%	0.6%	0.5%	1.0%
	2015-16	551,123	92.8%	4.4%	0.2%	2.4%		0.2%
COUNTY PLACER	2016-17	5,847	92.4%	3.4%	1.1%	1.2%	0.5%	1.4%
	2015-16	5,756	88.8%	5.1%	0.1%	6.0%		0.0%
PLUMAS	2016-17	166	89.8%	6.0%	3.0%	0.6%	0.6%	0.0%
	2015-16	188	86.2%	3.2%	1.6%	9.0%		0.0%
RIVERSIDE	2016-17	36,132	96.3%	1.6%	0.4%	0.3%	0.4%	1.0%
	2015-16	34,506	95.2%	2.4%	0.2%	2.1%		0.1%
SACRAMENTO	2016-17	21,993	94.0%	3.0%	0.6%	0.6%	1.2%	0.6%
	2015-16	20,649	88.5%	7.0%	0.1%	4.1%		0.2%
SAN BENITO	2016-17	967	98.1%	0.9%	0.3%	0.0%	0.0%	0.6%
	2015-16	908	96.0%	2.1%	0.6%	1.2%		0.1%
SAN BERNARDINO	2016-17	34,471	96.1%	1.9%	0.3%	0.2%	0.5%	1.0%
	2015-16	34,118	94.9%	2.7%	0.2%	1.9%		0.3%
SAN DIEGO	2016-17	46,044	94.7%	1.7%	0.9%	1.4%	0.7%	0.5%
	2015-16	45,646	93.5%	2.4%	0.2%	3.6%		0.3%
SAN FRANCISCO	2016-17	6,742	95.6%	1.8%	0.5%	0.3%	0.0%	1.8%
	2015-16	6,524	92.5%	5.9%	0.2%	1.5%		0.0%
SAN JOAQUIN	2016-17	12,572	97.3%	1.4%	0.3%	0.2%	0.5%	0.3%
	2015-16	12,201	95.9%	2.2%	0.1%	1.3%		0.4%
SAN LUIS OBISPO	2016-17	3,154	95.6%	2.5%	0.6%	0.4%	0.6%	0.3%
	2015-16	3,147	89.7%	4.4%	0.2%	5.5%		0.1%
SAN MATEO	2016-17	9,608	96.5%	1.8%	0.4%	0.2%	0.0%	1.1%
	2015-16	9,757	95.2%	3.0%	0.1%	1.6%		0.0%
SANTA BARBARA	2016-17	6,674	96.4%	1.8%	0.6%	0.7%	0.4%	0.0%
	2015-16	6,721	94.9%	1.4%	0.1%	3.6%		0.0%
SANTA CLARA	2016-17	26,070	97.1%	1.3%	0.4%	0.3%	0.1%	0.8%
	2015-16	26,269	94.8%	3.2%	0.2%	1.7%		0.1%
SANTA CRUZ	2016-17	3,681	90.7%	2.7%	1.4%	1.2%	3.6%	0.4%
	2015-16	3,567	87.5%	3.1%	0.4%	8.8%		0.3%

† Includes students reported as attending independent study who do not receive classroom-based instruction or home-based private schools or receiving IEP services.

^ Overdue for one or more immunizations.

\* County reporting fewer than 20 children in kindergarten.

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

	SCHOOL YEAR	TOTAL STUDENTS	STUDENTS WITH ALL REQUIRED IMMUNIZATIONS	CONDITIONAL ENTRANTS	STUDENTS WITH PME	STUDENTS WITH PBE	OTHERS LACKING REQUIRED IMMUNIZATIONS†	OVERDUE^
		NUMBER	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
STATE TOTAL	2016-17	562,924	95.6%	1.9%	0.5%	0.6%	0.5%	1.0%
	2015-16	551,123	92.8%	4.4%	0.2%	2.4%		0.2%
COUNTY SHASTA	2016-17	2,386	92.2%	3.3%	1.2%	1.4%	1.2%	0.6%
	2015-16	2,232	84.0%	7.2%	0.0%	8.4%		0.4%
SIERRA	2016-17	23	95.7%	4.3%	0.0%	0.0%	0.0%	0.0%
	2015-16	27	--**	--**	--**	--**		--**
SISKIYOU	2016-17	520	92.5%	2.1%	1.3%	1.0%	2.9%	0.2%
	2015-16	488	83.8%	7.2%	0.0%	7.8%		1.2%
SOLANO	2016-17	5,919	96.7%	1.7%	0.3%	0.3%	0.2%	0.8%
	2015-16	5,592	94.8%	3.3%	0.2%	1.5%		0.2%
SONOMA	2016-17	6,669	93.4%	2.7%	1.6%	1.4%	0.3%	0.6%
	2015-16	6,757	92.1%	2.5%	0.2%	4.8%		0.4%
STANISLAUS	2016-17	9,166	96.5%	2.0%	0.4%	0.4%	0.1%	0.5%
	2015-16	9,397	94.9%	2.4%	0.2%	2.3%		0.3%
SUTTER	2016-17	1,995	85.3%	0.9%	0.4%	0.9%	12.3%	0.3%
	2015-16	1,909	90.0%	1.6%	0.3%	7.9%		0.2%
TEHAMA	2016-17	1,024	93.4%	4.8%	0.8%	0.5%	0.6%	0.0%
	2015-16	1,011	94.1%	2.7%	0.4%	2.8%		0.1%
TRINITY	2016-17	144	91.0%	6.9%	0.0%	0.0%	0.7%	1.4%
	2015-16	139	77.0%	8.6%	0.0%	14.4%		0.0%
TULARE	2016-17	9,243	98.5%	0.9%	0.1%	0.1%	0.3%	0.2%
	2015-16	9,267	97.1%	1.8%	0.1%	0.9%		0.1%
TUOLUMNE	2016-17	570	88.8%	3.5%	1.9%	3.0%	1.1%	1.8%
	2015-16	569	77.7%	13.9%	0.2%	8.3%		0.0%
VENTURA	2016-17	12,247	96.1%	1.5%	0.6%	0.6%	0.7%	0.4%
	2015-16	12,718	94.2%	2.9%	0.2%	2.5%		0.3%
YOLO	2016-17	2,830	96.6%	2.0%	0.3%	0.6%	0.2%	0.2%
	2015-16	2,725	91.7%	4.7%	0.0%	3.5%		0.0%
YUBA	2016-17	1,478	96.1%	2.0%	0.1%	0.1%	0.7%	0.9%
	2015-16	1,408	94.7%	3.2%	0.1%	1.9%		0.1%

† Includes students reported as attending independent study who do not receive classroom-based instruction or home-based private schools or receiving IEP services.

^ Overdue for one or more immunizations.

\* County reporting fewer than 20 children in kindergarten.

\*\* Suppressed since one of the results is 100%.



KINDERGARTEN ASSESSMENT - CALIFORNIA, 2016-2017

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

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	NUMBER WITH ALL REQUIRED IMMUNIZATIONS	PERCENT	TOTAL STUDENTS	NUMBER WITH ALL REQUIRED IMMUNIZATIONS	PERCENT	PERCENT	NUMBER WITH ALL REQUIRED IMMUNIZATIONS
STATE TOTAL	562,924	537,967	95.6%	551,123	511,702	92.8%	2.7%	26,265
COUNTY								
ALAMEDA	21,910	21,302	97.2%	21,644	20,752	95.9%	1.3%	550
ALPINE	6	<20*	--*	6	<20*	--*	--*	--*
AMADOR	290	279	96.2%	307	268	87.3%	8.9%	11
BUTTE	2,814	2,648	94.1%	2,936	2,654	90.4%	3.7%	-6
CALAVERAS	462	414	89.6%	419	370	88.3%	1.3%	44
COLUSA	411	399	97.1%	408	407	99.8%	-2.7%	-8
CONTRA COSTA	15,434	14,976	97.0%	15,398	14,645	95.1%	1.9%	331
DEL NORTE	401	372	92.8%	344	304	88.4%	4.4%	68
EL DORADO	2,205	2,071	93.9%	2,246	2,031	90.4%	3.5%	40
FRESNO	18,779	18,241	97.1%	18,763	18,043	96.2%	1.0%	198
GLENN	481	468	97.3%	483	457	94.6%	2.7%	11
HUMBOLDT	1,799	1,560	86.7%	1,741	1,428	82.0%	4.7%	132
IMPERIAL	3,254	3,169	97.4%	3,200	3,051	95.3%	2.0%	118
INYO	212	202	95.3%	209	206	98.6%	-3.3%	-4
KERN	16,497	15,687	95.1%	16,492	15,715	95.3%	-0.2%	-28
KINGS	2,731	2,665	97.6%	2,588	2,507	96.9%	0.7%	158
LAKE	840	810	96.4%	804	747	92.9%	3.5%	63
LASSEN	357	324	90.8%	378	325	86.0%	4.8%	-1
LOS ANGELES	140,269	133,310	95.0%	134,209	120,794	90.0%	5.0%	12,516
MADERA	2,835	2,723	96.0%	2,797	2,681	95.9%	0.2%	42
MARIN	3,245	3,023	93.2%	3,306	2,926	88.5%	4.7%	97
MARIPOSA	19	<20*	--*	157	128	81.5%	*--	*--
MENDOCINO	1,195	1,060	88.7%	1,191	1,041	87.4%	1.3%	19
MERCED	5,618	5,486	97.7%	5,016	4,842	96.5%	1.1%	644
MODOC	130	102	78.5%	128	112	87.5%	-9.0%	-10
MONO	139	130	93.5%	144	127	88.2%	5.3%	3
MONTEREY	7,221	7,039	97.5%	6,960	6,593	94.7%	2.8%	446
NAPA	1,702	1,637	96.2%	1,750	1,635	93.4%	2.8%	2
NEVADA	944	764	80.9%	896	691	77.1%	3.8%	73

\* County reporting fewer than 20 children in kindergarten.

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2016-2017

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

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	NUMBER WITH ALL REQUIRED IMMUNIZATIONS	PERCENT	TOTAL STUDENTS	NUMBER WITH ALL REQUIRED IMMUNIZATIONS	PERCENT	PERCENT	NUMBER WITH ALL REQUIRED IMMUNIZATIONS
STATE TOTAL	562,924	537,967	95.6%	551,123	511,702	92.8%	2.7%	26,265
COUNTY								
ORANGE	42,389	40,490	95.5%	42,007	38,848	92.5%	3.0%	1,642
PLACER	5,847	5,402	92.4%	5,756	5,113	88.8%	3.6%	289
PLUMAS	166	149	89.8%	188	162	86.2%	3.6%	-13
RIVERSIDE	36,132	34,809	96.3%	34,506	32,857	95.2%	1.1%	1,952
SACRAMENTO	21,993	20,684	94.0%	20,649	18,281	88.5%	5.5%	2,403
SAN BENITO	967	949	98.1%	908	872	96.0%	2.1%	77
SAN BERNARDINO	34,471	33,135	96.1%	34,118	32,378	94.9%	1.2%	757
SAN DIEGO	46,044	43,613	94.7%	45,646	42,686	93.5%	1.2%	927
SAN FRANCISCO	6,742	6,445	95.6%	6,524	6,035	92.5%	3.1%	410
SAN JOAQUIN	12,572	12,232	97.3%	12,201	11,706	95.9%	1.4%	526
SAN LUIS OBISPO	3,154	3,015	95.6%	3,147	2,824	89.7%	5.9%	191
SAN MATEO	9,608	9,275	96.5%	9,757	9,285	95.2%	1.4%	-10
SANTA BARBARA	6,674	6,435	96.4%	6,721	6,381	94.9%	1.5%	54
SANTA CLARA	26,070	25,305	97.1%	26,269	24,897	94.8%	2.3%	408
SANTA CRUZ	3,681	3,338	90.7%	3,567	3,120	87.5%	3.2%	218
SHASTA	2,386	2,200	92.2%	2,232	1,875	84.0%	8.2%	325
SIERRA	23	22	95.7%	27	27	100.0%	-4.3%	-5
SISKIYOU	520	481	92.5%	488	409	83.8%	8.7%	72
SOLANO	5,919	5,723	96.7%	5,592	5,303	94.8%	1.9%	420
SONOMA	6,669	6,231	93.4%	6,757	6,220	92.1%	1.4%	11
STANISLAUS	9,166	8,847	96.5%	9,397	8,920	94.9%	1.6%	-73
SUTTER	1,995	1,701	85.3%	1,909	1,719	90.0%	-4.8%	-18
TEHAMA	1,024	956	93.4%	1,011	951	94.1%	-0.7%	5
TRINITY	144	131	91.0%	139	107	77.0%	14.0%	24
TULARE	9,243	9,104	98.5%	9,267	8,996	97.1%	1.4%	108
TUOLUMNE	570	506	88.8%	569	442	77.7%	11.1%	64
VENTURA	12,247	11,774	96.1%	12,718	11,975	94.2%	2.0%	-201
YOLO	2,830	2,733	96.6%	2,725	2,500	91.7%	4.8%	233
YUBA	1,478	1,421	96.1%	1,408	1,333	94.7%	1.5%	88

\* County reporting fewer than 20 children in kindergarten.

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

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL	CONDITIONAL ENTRANTS	PERCENT	TOTAL	CONDITIONAL ENTRANTS	PERCENT	PERCENT	CONDITIONAL ENTRANTS
STATE TOTAL	562,924	10,735	1.9%	551,123	24,424	4.4%	-2.5%	-13,689
COUNTY								
ALAMEDA	21,910	278	1.3%	21,644	534	2.5%	-1.2%	-256
ALPINE	6	<20*	--*	6	<20*	--*	--*	--*
AMADOR	290	8	2.8%	307	20	6.5%	-3.8%	-12
BUTTE	2,814	63	2.2%	2,936	118	4.0%	-1.8%	-55
CALAVERAS	462	23	5.0%	419	3	0.7%	4.3%	20
COLUSA	411	4	1.0%	408	1	0.2%	0.7%	3
CONTRA COSTA	15,434	218	1.4%	15,398	415	2.7%	-1.3%	-197
DEL NORTE	401	13	3.2%	344	10	2.9%	0.3%	3
EL DORADO	2,205	72	3.3%	2,246	46	2.0%	1.2%	26
FRESNO	18,779	308	1.6%	18,763	512	2.7%	-1.1%	-204
GLENN	481	8	1.7%	483	10	2.1%	-0.4%	-2
HUMBOLDT	1,799	109	6.1%	1,741	121	7.0%	-0.9%	-12
IMPERIAL	3,254	32	1.0%	3,200	126	3.9%	-3.0%	-94
INYO	212	5	2.4%	209	1	0.5%	1.9%	4
KERN	16,497	423	2.6%	16,492	471	2.9%	-0.3%	-48
KINGS	2,731	49	1.8%	2,588	52	2.0%	-0.2%	-3
LAKE	840	18	2.1%	804	31	3.9%	-1.7%	-13
LASSEN	357	7	2.0%	378	14	3.7%	-1.7%	-7
LOS ANGELES	140,269	2,752	2.0%	134,209	11,061	8.2%	-6.3%	-8,309
MADERA	2,835	41	1.4%	2,797	68	2.4%	-1.0%	-27
MARIN	3,245	99	3.1%	3,306	176	5.3%	-2.3%	-77
MARIPOSA	19	<20*	--*	157	8	5.1%	--*	--*
MENDOCINO	1,195	102	8.5%	1,191	52	4.4%	4.2%	50
MERCED	5,618	83	1.5%	5,016	102	2.0%	-0.6%	-19
MODOC	130	28	21.5%	128	13	10.2%	11.4%	15
MONO	139	6	4.3%	144	1	0.7%	3.6%	5
MONTEREY	7,221	87	1.2%	6,960	245	3.5%	-2.3%	-158
NAPA	1,702	23	1.4%	1,750	54	3.1%	-1.7%	-31
NEVADA	944	44	4.7%	896	30	3.3%	1.3%	14

\* County reporting fewer than 20 children in kindergarten.

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

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL	CONDITIONAL ENTRANTS	PERCENT	TOTAL	CONDITIONAL ENTRANTS	PERCENT	PERCENT	CONDITIONAL ENTRANTS
STATE TOTAL	562,924	10,735	1.9%	551,123	24,424	4.4%	-2.5%	-13,689
COUNTY								
ORANGE	42,389	847	2.0%	42,007	1,749	4.2%	-2.2%	-902
PLACER	5,847	197	3.4%	5,756	292	5.1%	-1.7%	-95
PLUMAS	166	10	6.0%	188	6	3.2%	2.8%	4
RIVERSIDE	36,132	568	1.6%	34,506	819	2.4%	-0.8%	-251
SACRAMENTO	21,993	653	3.0%	20,649	1,453	7.0%	-4.1%	-800
SAN BENITO	967	9	0.9%	908	19	2.1%	-1.2%	-10
SAN BERNARDINO	34,471	638	1.9%	34,118	938	2.7%	-0.9%	-300
SAN DIEGO	46,044	796	1.7%	45,646	1,088	2.4%	-0.7%	-292
SAN FRANCISCO	6,742	122	1.8%	6,524	382	5.9%	-4.0%	-260
SAN JOAQUIN	12,572	170	1.4%	12,201	267	2.2%	-0.8%	-97
SAN LUIS OBISPO	3,154	80	2.5%	3,147	140	4.4%	-1.9%	-60
SAN MATEO	9,608	171	1.8%	9,757	295	3.0%	-1.2%	-124
SANTA BARBARA	6,674	119	1.8%	6,721	92	1.4%	0.4%	27
SANTA CLARA	26,070	348	1.3%	26,269	842	3.2%	-1.9%	-494
SANTA CRUZ	3,681	99	2.7%	3,567	110	3.1%	-0.4%	-11
SHASTA	2,386	79	3.3%	2,232	160	7.2%	-3.9%	-81
SIERRA	23	1	4.3%	27	0	0.0%	4.3%	1
SISKIYOU	520	11	2.1%	488	35	7.2%	-5.1%	-24
SOLANO	5,919	102	1.7%	5,592	185	3.3%	-1.6%	-83
SONOMA	6,669	177	2.7%	6,757	169	2.5%	0.2%	8
STANISLAUS	9,166	185	2.0%	9,397	221	2.4%	-0.3%	-36
SUTTER	1,995	17	0.9%	1,909	31	1.6%	-0.8%	-14
TEHAMA	1,024	49	4.8%	1,011	27	2.7%	2.1%	22
TRINITY	144	10	6.9%	139	12	8.6%	-1.7%	-2
TULARE	9,243	83	0.9%	9,267	171	1.8%	-0.9%	-88
TUOLUMNE	570	20	3.5%	569	79	13.9%	-10.4%	-59
VENTURA	12,247	183	1.5%	12,718	374	2.9%	-1.4%	-191
YOLO	2,830	58	2.0%	2,725	128	4.7%	-2.6%	-70
YUBA	1,478	30	2.0%	1,408	45	3.2%	-1.2%	-15

\* County reporting fewer than 20 children in kindergarten.

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2016-2017

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

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	PME	PERCENT	TOTAL STUDENTS	PME	PERCENT	PERCENT	NUMBER PME
STATE TOTAL	562,924	2,850	0.5%	551,123	931	0.2%	0.3%	1,919
COUNTY								
ALAMEDA	21,910	76	0.3%	21,644	28	0.1%	0.2%	48
ALPINE	6	<20*	--*	6	<20*	--*	--*	--*
AMADOR	290	0	0.0%	307	3	1.0%	-1.0%	-3
BUTTE	2,814	29	1.0%	2,936	6	0.2%	0.8%	23
CALAVERAS	462	3	0.6%	419	0	0.0%	0.6%	3
COLUSA	411	1	0.2%	408	0	0.0%	0.2%	1
CONTRA COSTA	15,434	68	0.4%	15,398	31	0.2%	0.2%	37
DEL NORTE	401	1	0.2%	344	0	0.0%	0.2%	1
EL DORADO	2,205	31	1.4%	2,246	7	0.3%	1.1%	24
FRESNO	18,779	33	0.2%	18,763	14	0.1%	0.1%	19
GLENN	481	1	0.2%	483	1	0.2%	0.0%	0
HUMBOLDT	1,799	16	0.9%	1,741	5	0.3%	0.6%	11
IMPERIAL	3,254	5	0.2%	3,200	5	0.2%	0.0%	0
INYO	212	2	0.9%	209	0	0.0%	0.9%	2
KERN	16,497	27	0.2%	16,492	26	0.2%	0.0%	1
KINGS	2,731	5	0.2%	2,588	3	0.1%	0.1%	2
LAKE	840	6	0.7%	804	6	0.7%	0.0%	0
LASSEN	357	5	1.4%	378	3	0.8%	0.6%	2
LOS ANGELES	140,269	515	0.4%	134,209	169	0.1%	0.2%	346
MADERA	2,835	5	0.2%	2,797	6	0.2%	0.0%	-1
MARIN	3,245	68	2.1%	3,306	8	0.2%	1.9%	60
MARIPOSA	19	<20*	--*	157	0	0.0%	--*	--*
MENDOCINO	1,195	7	0.6%	1,191	5	0.4%	0.2%	2
MERCED	5,618	8	0.1%	5,016	5	0.1%	0.0%	3
MODOC	130	0	0.0%	128	0	0.0%	0.0%	0
MONO	139	2	1.4%	144	0	0.0%	1.4%	2
MONTEREY	7,221	37	0.5%	6,960	16	0.2%	0.3%	21
NAPA	1,702	19	1.1%	1,750	3	0.2%	0.9%	16
NEVADA	944	34	3.6%	896	2	0.2%	3.4%	32

\* County reporting fewer than 20 children in kindergarten.

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2016-2017

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

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	PME	PERCENT	TOTAL STUDENTS	PME	PERCENT	PERCENT	NUMBER PME
STATE TOTAL	562,924	2,850	0.5%	551,123	931	0.2%	0.3%	1,919
COUNTY								
ORANGE	42,389	348	0.8%	42,007	92	0.2%	0.6%	256
PLACER	5,847	64	1.1%	5,756	8	0.1%	1.0%	56
PLUMAS	166	5	3.0%	188	3	1.6%	1.4%	2
RIVERSIDE	36,132	151	0.4%	34,506	71	0.2%	0.2%	80
SACRAMENTO	21,993	129	0.6%	20,649	29	0.1%	0.4%	100
SAN BENITO	967	3	0.3%	908	5	0.6%	-0.2%	-2
SAN BERNARDINO	34,471	105	0.3%	34,118	55	0.2%	0.1%	50
SAN DIEGO	46,044	404	0.9%	45,646	108	0.2%	0.6%	296
SAN FRANCISCO	6,742	33	0.5%	6,524	10	0.2%	0.3%	23
SAN JOAQUIN	12,572	32	0.3%	12,201	18	0.1%	0.1%	14
SAN LUIS OBISPO	3,154	19	0.6%	3,147	5	0.2%	0.4%	14
SAN MATEO	9,608	34	0.4%	9,757	14	0.1%	0.2%	20
SANTA BARBARA	6,674	41	0.6%	6,721	7	0.1%	0.5%	34
SANTA CLARA	26,070	108	0.4%	26,269	59	0.2%	0.2%	49
SANTA CRUZ	3,681	53	1.4%	3,567	13	0.4%	1.1%	40
SHASTA	2,386	29	1.2%	2,232	1	0.0%	1.2%	28
SIERRA	23	0	0.0%	27	0	0.0%	0.0%	0
SISKIYOU	520	7	1.3%	488	0	0.0%	1.3%	7
SOLANO	5,919	16	0.3%	5,592	9	0.2%	0.1%	7
SONOMA	6,669	109	1.6%	6,757	15	0.2%	1.4%	94
STANISLAUS	9,166	33	0.4%	9,397	16	0.2%	0.2%	17
SUTTER	1,995	8	0.4%	1,909	6	0.3%	0.1%	2
TEHAMA	1,024	8	0.8%	1,011	4	0.4%	0.4%	4
TRINITY	144	0	0.0%	139	0	0.0%	0.0%	0
TULARE	9,243	10	0.1%	9,267	7	0.1%	0.0%	3
TUOLUMNE	570	11	1.9%	569	1	0.2%	1.8%	10
VENTURA	12,247	77	0.6%	12,718	20	0.2%	0.5%	57
YOLO	2,830	8	0.3%	2,725	1	0.0%	0.2%	7
YUBA	1,478	1	0.1%	1,408	2	0.1%	-0.1%	-1

\* County reporting fewer than 20 children in kindergarten.

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2016-2017

TABLE 8: NUMBER AND PERCENTAGE OF STUDENTS WITH A PERSONAL BELIEFS EXEMPTION (PBE) IN 2016-2017 AND 2015-2016,  
AND 1-YEAR CHANGE, BY COUNTY

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	PBE	PERCENT	TOTAL STUDENTS	PBE	PERCENT	PERCENT	NUMBER PBE
STATE TOTAL	562,924	3,133	0.6%	551,123	13,086	2.4%	-1.8%	-9,953
COUNTY								
ALAMEDA	21,910	32	0.1%	21,644	263	1.2%	-1.1%	-231
ALPINE	6	<20*	--*	6	<20*	--*	--*	--*
AMADOR	290	2	0.7%	307	10	3.3%	-2.6%	-8
BUTTE	2,814	17	0.6%	2,936	156	5.3%	-4.7%	-139
CALAVERAS	462	8	1.7%	419	44	10.5%	-8.8%	-36
COLUSA	411	0	0.0%	408	0	0.0%	0.0%	0
CONTRA COSTA	15,434	68	0.4%	15,398	304	2.0%	-1.5%	-236
DEL NORTE	401	0	0.0%	344	30	8.7%	-8.7%	-30
EL DORADO	2,205	24	1.1%	2,246	161	7.2%	-6.1%	-137
FRESNO	18,779	30	0.2%	18,763	181	1.0%	-0.8%	-151
GLENN	481	2	0.4%	483	12	2.5%	-2.1%	-10
HUMBOLDT	1,799	30	1.7%	1,741	181	10.4%	-8.7%	-151
IMPERIAL	3,254	3	0.1%	3,200	17	0.5%	-0.4%	-14
INYO	212	0	0.0%	209	2	1.0%	-1.0%	-2
KERN	16,497	223	1.4%	16,492	247	1.5%	-0.1%	-24
KINGS	2,731	2	0.1%	2,588	24	0.9%	-0.9%	-22
LAKE	840	0	0.0%	804	20	2.5%	-2.5%	-20
LASSEN	357	4	1.1%	378	36	9.5%	-8.4%	-32
LOS ANGELES	140,269	657	0.5%	134,209	1,995	1.5%	-1.0%	-1,338
MADERA	2,835	2	0.1%	2,797	40	1.4%	-1.4%	-38
MARIN	3,245	40	1.2%	3,306	196	5.9%	-4.7%	-156
MARIPOSA	19	<20*	--*	157	21	13.4%	--*	--*
MENDOCINO	1,195	13	1.1%	1,191	85	7.1%	-6.0%	-72
MERCED	5,618	1	0.0%	5,016	39	0.8%	-0.8%	-38
MODOC	130	0	0.0%	128	1	0.8%	-0.8%	-1
MONO	139	1	0.7%	144	16	11.1%	-10.4%	-15
MONTEREY	7,221	17	0.2%	6,960	98	1.4%	-1.2%	-81
NAPA	1,702	11	0.6%	1,750	58	3.3%	-2.7%	-47
NEVADA	944	66	7.0%	896	165	18.4%	-11.4%	-99

\* County reporting fewer than 20 children in kindergarten.

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2016-2017

TABLE 8: NUMBER AND PERCENTAGE OF STUDENTS WITH A PERSONAL BELIEFS EXEMPTION (PBE) IN 2016-2017 AND 2015-2016,  
AND 1-YEAR CHANGE, BY COUNTY

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	PBE	PERCENT	TOTAL STUDENTS	PBE	PERCENT	PERCENT	NUMBER PBE
STATE TOTAL	562,924	3,133	0.6%	551,123	13,086	2.4%	-1.8%	-9,953
COUNTY								
ORANGE	42,389	269	0.6%	42,007	1,270	3.0%	-2.4%	-1,001
PLACER	5,847	69	1.2%	5,756	343	6.0%	-4.8%	-274
PLUMAS	166	1	0.6%	188	17	9.0%	-8.4%	-16
RIVERSIDE	36,132	95	0.3%	34,506	728	2.1%	-1.8%	-633
SACRAMENTO	21,993	127	0.6%	20,649	838	4.1%	-3.5%	-711
SAN BENITO	967	0	0.0%	908	11	1.2%	-1.2%	-11
SAN BERNARDINO	34,471	83	0.2%	34,118	651	1.9%	-1.7%	-568
SAN DIEGO	46,044	655	1.4%	45,646	1,631	3.6%	-2.2%	-976
SAN FRANCISCO	6,742	22	0.3%	6,524	96	1.5%	-1.1%	-74
SAN JOAQUIN	12,572	30	0.2%	12,201	159	1.3%	-1.1%	-129
SAN LUIS OBISPO	3,154	13	0.4%	3,147	174	5.5%	-5.1%	-161
SAN MATEO	9,608	20	0.2%	9,757	159	1.6%	-1.4%	-139
SANTA BARBARA	6,674	47	0.7%	6,721	240	3.6%	-2.9%	-193
SANTA CLARA	26,070	84	0.3%	26,269	437	1.7%	-1.3%	-353
SANTA CRUZ	3,681	43	1.2%	3,567	313	8.8%	-7.6%	-270
SHASTA	2,386	34	1.4%	2,232	187	8.4%	-7.0%	-153
SIERRA	23	0	0.0%	27	0	0.0%	0.0%	0
SISKIYOU	520	5	1.0%	488	38	7.8%	-6.8%	-33
SOLANO	5,919	16	0.3%	5,592	84	1.5%	-1.2%	-68
SONOMA	6,669	92	1.4%	6,757	327	4.8%	-3.5%	-235
STANISLAUS	9,166	38	0.4%	9,397	215	2.3%	-1.9%	-177
SUTTER	1,995	18	0.9%	1,909	150	7.9%	-7.0%	-132
TEHAMA	1,024	5	0.5%	1,011	28	2.8%	-2.3%	-23
TRINITY	144	0	0.0%	139	20	14.4%	-14.4%	-20
TULARE	9,243	5	0.1%	9,267	83	0.9%	-0.8%	-78
TUOLUMNE	570	17	3.0%	569	47	8.3%	-5.3%	-30
VENTURA	12,247	73	0.6%	12,718	316	2.5%	-1.9%	-243
YOLO	2,830	17	0.6%	2,725	95	3.5%	-2.9%	-78
YUBA	1,478	2	0.1%	1,408	27	1.9%	-1.8%	-25

\* County reporting fewer than 20 children in kindergarten.



KINDERGARTEN IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017

TABLE 9: NUMBER AND PERCENTAGE OF OTHER STUDENTS LACKING REQUIRED IMMUNIZATIONS<sup>†</sup>,  
BY SUBGROUP AND COUNTY

	TOTAL STUDENTS	OTHERS LACKING REQUIRED IMMUNIZATIONS <sup>†</sup>		OTHERS LACKING REQUIRED IMMUNIZATIONS <sup>†</sup>					
				INDEPENDENT STUDY		IEP SERVICES		HOME-BASED PRIVATE SCHOOL	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	562,924	2,564	0.5%	1,684	0.3%	684	0.1%	196	0.0%
COUNTY									
ALAMEDA	21,910	13	0.1%	0	0.0%	13	0.1%	0	0.0%
ALPINE	6	<20*	--*	<20*	--*	<20*	--*	<20*	--*
AMADOR	290	1	0.3%	0	0.0%	1	0.3%	0	0.0%
BUTTE	2,814	40	1.4%	32	1.1%	8	0.3%	0	0.0%
CALAVERAS	462	14	3.0%	11	2.4%	3	0.6%	0	0.0%
COLUSA	411	0	0.0%	0	0.0%	0	0.0%	0	0.0%
CONTRA COSTA	15,434	29	0.2%	10	0.1%	19	0.1%	0	0.0%
DEL NORTE	401	15	3.7%	1	0.2%	14	3.5%	0	0.0%
EL DORADO	2,205	4	0.2%	2	0.1%	2	0.1%	0	0.0%
FRESNO	18,779	44	0.2%	18	0.1%	14	0.1%	12	0.1%
GLENN	481	0	0.0%	0	0.0%	0	0.0%	0	0.0%
HUMBOLDT	1,799	70	3.9%	67	3.7%	3	0.2%	0	0.0%
IMPERIAL	3,254	2	0.1%	0	0.0%	2	0.1%	0	0.0%
INYO	212	0	0.0%	0	0.0%	0	0.0%	0	0.0%
KERN	16,497	23	0.1%	7	0.0%	14	0.1%	2	0.0%
KINGS	2,731	1	0.0%	1	0.0%	0	0.0%	0	0.0%
LAKE	840	4	0.5%	4	0.5%	0	0.0%	0	0.0%
LASSEN	357	17	4.8%	17	4.8%	0	0.0%	0	0.0%
LOS ANGELES	140,269	301	0.2%	94	0.1%	179	0.1%	28	0.0%
MADERA	2,835	23	0.8%	23	0.8%	0	0.0%	0	0.0%
MARIN	3,245	0	0.0%	0	0.0%	0	0.0%	0	0.0%
MARIPOSA	19	<20*	--*	<20*	--*	<20*	--*	<20*	--*
MENDOCINO	1,195	5	0.4%	2	0.2%	3	0.3%	0	0.0%
MERCED	5,618	16	0.3%	0	0.0%	16	0.3%	0	0.0%
MODOC	130	0	0.0%	0	0.0%	0	0.0%	0	0.0%
MONO	139	0	0.0%	0	0.0%	0	0.0%	0	0.0%
MONTEREY	7,221	4	0.1%	1	0.0%	3	0.0%	0	0.0%
NAPA	1,702	12	0.7%	0	0.0%	0	0.0%	12	0.7%
NEVADA	944	35	3.7%	35	3.7%	0	0.0%	0	0.0%

<sup>†</sup> Includes students reported as attending independent study who do not receive classroom-based instruction or home-based private school instruction.

\* County reporting fewer than 20 children in kindergarten.

KINDERGARTEN IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017

TABLE 9: NUMBER AND PERCENTAGE OF OTHER STUDENTS LACKING REQUIRED IMMUNIZATIONS<sup>†</sup>,  
BY SUBGROUP AND COUNTY

	TOTAL STUDENTS	OTHERS LACKING REQUIRED IMMUNIZATIONS <sup>†</sup>		OTHERS LACKING REQUIRED IMMUNIZATIONS <sup>†</sup>					
				INDEPENDENT STUDY		IEP SERVICES		HOME-BASED PRIVATE SCHOOL	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	562,924	2,564	0.5%	1,684	0.3%	684	0.1%	196	0.0%
COUNTY									
ORANGE	42,389	179	0.4%	58	0.1%	99	0.2%	22	0.1%
PLACER	5,847	32	0.5%	23	0.4%	9	0.2%	0	0.0%
PLUMAS	166	1	0.6%	1	0.6%	0	0.0%	0	0.0%
RIVERSIDE	36,132	153	0.4%	101	0.3%	14	0.0%	38	0.1%
SACRAMENTO	21,993	266	1.2%	192	0.9%	74	0.3%	0	0.0%
SAN BENITO	967	0	0.0%	0	0.0%	0	0.0%	0	0.0%
SAN BERNARDINO	34,471	179	0.5%	146	0.4%	18	0.1%	15	0.0%
SAN DIEGO	46,044	329	0.7%	255	0.6%	50	0.1%	24	0.1%
SAN FRANCISCO	6,742	0	0.0%	0	0.0%	0	0.0%	0	0.0%
SAN JOAQUIN	12,572	68	0.5%	40	0.3%	23	0.2%	5	0.0%
SAN LUIS OBISPO	3,154	18	0.6%	6	0.2%	9	0.3%	3	0.1%
SAN MATEO	9,608	4	0.0%	2	0.0%	2	0.0%	0	0.0%
SANTA BARBARA	6,674	30	0.4%	28	0.4%	2	0.0%	0	0.0%
SANTA CLARA	26,070	18	0.1%	0	0.0%	18	0.1%	0	0.0%
SANTA CRUZ	3,681	134	3.6%	125	3.4%	9	0.2%	0	0.0%
SHASTA	2,386	29	1.2%	22	0.9%	6	0.3%	1	0.0%
SIERRA	23	0	0.0%	0	0.0%	0	0.0%	0	0.0%
SISKIYOU	520	15	2.9%	15	2.9%	0	0.0%	0	0.0%
SOLANO	5,919	13	0.2%	0	0.0%	13	0.2%	0	0.0%
SONOMA	6,669	21	0.3%	18	0.3%	3	0.0%	0	0.0%
STANISLAUS	9,166	13	0.1%	3	0.0%	10	0.1%	0	0.0%
SUTTER	1,995	245	12.3%	242	12.1%	3	0.2%	0	0.0%
TEHAMA	1,024	6	0.6%	6	0.6%	0	0.0%	0	0.0%
TRINITY	144	1	0.7%	1	0.7%	0	0.0%	0	0.0%
TULARE	9,243	26	0.3%	24	0.3%	2	0.0%	0	0.0%
TUOLUMNE	570	6	1.1%	2	0.4%	0	0.0%	4	0.7%
VENTURA	12,247	87	0.7%	41	0.3%	16	0.1%	30	0.2%
YOLO	2,830	7	0.2%	0	0.0%	7	0.2%	0	0.0%
YUBA	1,478	11	0.7%	8	0.5%	3	0.2%	0	0.0%

<sup>†</sup> Includes students reported as attending independent study who do not receive classroom-based instruction or home-based private schooling.

\* County reporting fewer than 20 children in kindergarten.

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2016-2017  
TABLE 10: NUMBER AND PERCENTAGE OF STUDENTS WITH OVERDUE STATUS<sup>†</sup> IN 2016-2017 AND 2015-2016,  
AND 1-YEAR CHANGE, BY COUNTY

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	OVERDUE <sup>†</sup>	PERCENT	TOTAL STUDENTS	OVERDUE <sup>†</sup>	PERCENT	PERCENT	OVERDUE <sup>†</sup>
STATE TOTAL	562,924	5,650	1.0%	551,123	974	0.2%	0.8%	4,676
COUNTY								
ALAMEDA	21,910	209	1.0%	21,644	67	0.3%	0.6%	142
ALPINE	6	<20*	--*	6	<20*	--*	--*	--*
AMADOR	290	0	0.0%	307	6	2.0%	-2.0%	-6
BUTTE	2,814	17	0.6%	2,936	2	0.1%	0.5%	15
CALAVERAS	462	0	0.0%	419	2	0.5%	-0.5%	-2
COLUSA	411	7	1.7%	408	0	0.0%	1.7%	7
CONTRA COSTA	15,434	75	0.5%	15,398	3	0.0%	0.5%	72
DEL NORTE	401	0	0.0%	344	0	0.0%	0.0%	0
EL DORADO	2,205	3	0.1%	2,246	1	0.0%	0.1%	2
FRESNO	18,779	123	0.7%	18,763	13	0.1%	0.6%	110
GLENN	481	2	0.4%	483	3	0.6%	-0.2%	-1
HUMBOLDT	1,799	14	0.8%	1,741	6	0.3%	0.4%	8
IMPERIAL	3,254	43	1.3%	3,200	1	0.0%	1.3%	42
INYO	212	3	1.4%	209	0	0.0%	1.4%	3
KERN	16,497	114	0.7%	16,492	33	0.2%	0.5%	81
KINGS	2,731	9	0.3%	2,588	2	0.1%	0.3%	7
LAKE	840	2	0.2%	804	0	0.0%	0.2%	2
LASSEN	357	0	0.0%	378	0	0.0%	0.0%	0
LOS ANGELES	140,269	2,734	1.9%	134,209	190	0.1%	1.8%	2544
MADERA	2,835	41	1.4%	2,797	2	0.1%	1.4%	39
MARIN	3,245	15	0.5%	3,306	0	0.0%	0.5%	15
MARIPOSA	19	<20*	--*	157	0	0.0%	--*	--*
MENDOCINO	1,195	8	0.7%	1,191	8	0.7%	0.0%	0
MERCED	5,618	24	0.4%	5,016	28	0.6%	-0.1%	-4
MODOC	130	0	0.0%	128	2	1.6%	-1.6%	-2
MONO	139	0	0.0%	144	0	0.0%	0.0%	0
MONTEREY	7,221	37	0.5%	6,960	8	0.1%	0.4%	29
NAPA	1,702	0	0.0%	1,750	0	0.0%	0.0%	0
NEVADA	944	1	0.1%	896	8	0.9%	-0.8%	-7

<sup>†</sup> Overdue for one or more immunizations.

\* County reporting fewer than 20 children in kindergarten.

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2016-2017

TABLE 10: NUMBER AND PERCENTAGE OF STUDENTS WITH OVERDUE STATUS<sup>†</sup> IN 2016-2017 AND 2015-2016,  
AND 1-YEAR CHANGE, BY COUNTY

	2016-2017			2015-2016			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	OVERDUE <sup>†</sup>	PERCENT	TOTAL STUDENTS	OVERDUE <sup>†</sup>	PERCENT	PERCENT	OVERDUE <sup>†</sup>
STATE TOTAL	562,924	5,650	1.0%	551,123	974	0.2%	0.8%	4,676
COUNTY								
ORANGE	42,389	256	0.6%	42,007	48	0.1%	0.5%	208
PLACER	5,847	83	1.4%	5,756	0	0.0%	1.4%	83
PLUMAS	166	0	0.0%	188	0	0.0%	0.0%	0
RIVERSIDE	36,132	356	1.0%	34,506	31	0.1%	0.9%	325
SACRAMENTO	21,993	134	0.6%	20,649	48	0.2%	0.4%	86
SAN BENITO	967	6	0.6%	908	1	0.1%	0.5%	5
SAN BERNARDINO	34,471	331	1.0%	34,118	96	0.3%	0.7%	235
SAN DIEGO	46,044	247	0.5%	45,646	133	0.3%	0.2%	114
SAN FRANCISCO	6,742	120	1.8%	6,524	1	0.0%	1.8%	119
SAN JOAQUIN	12,572	40	0.3%	12,201	51	0.4%	-0.1%	-11
SAN LUIS OBISPO	3,154	9	0.3%	3,147	4	0.1%	0.2%	5
SAN MATEO	9,608	104	1.1%	9,757	4	0.0%	1.0%	100
SANTA BARBARA	6,674	2	0.0%	6,721	1	0.0%	0.0%	1
SANTA CLARA	26,070	207	0.8%	26,269	34	0.1%	0.7%	173
SANTA CRUZ	3,681	14	0.4%	3,567	11	0.3%	0.1%	3
SHASTA	2,386	15	0.6%	2,232	9	0.4%	0.2%	6
SIERRA	23	0	0.0%	27	0	0.0%	0.0%	0
SISKIYOU	520	1	0.2%	488	6	1.2%	-1.0%	-5
SOLANO	5,919	49	0.8%	5,592	11	0.2%	0.6%	38
SONOMA	6,669	39	0.6%	6,757	26	0.4%	0.2%	13
STANISLAUS	9,166	50	0.5%	9,397	25	0.3%	0.3%	25
SUTTER	1,995	6	0.3%	1,909	3	0.2%	0.1%	3
TEHAMA	1,024	0	0.0%	1,011	1	0.1%	-0.1%	-1
TRINITY	144	2	1.4%	139	0	0.0%	1.4%	2
TULARE	9,243	15	0.2%	9,267	10	0.1%	0.1%	5
TUOLUMNE	570	10	1.8%	569	0	0.0%	1.8%	10
VENTURA	12,247	53	0.4%	12,718	33	0.3%	0.2%	20
YOLO	2,830	7	0.2%	2,725	1	0.0%	0.2%	6
YUBA	1,478	13	0.9%	1,408	1	0.1%	0.8%	12

<sup>†</sup> Overdue for one or more immunizations.

\* County reporting fewer than 20 children in kindergarten.

KINDERGARTEN IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017  
TABLE 11: NUMBER AND PERCENTAGE OF STUDENTS WITH REQUIRED IMMUNIZATIONS BY VACCINE SERIES,  
BY COUNTY

	TOTAL STUDENTS	DTP 4+		POLIO 3+		MMR 2		HEP B 3+		VAR 1+	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	562,924	545,541	96.9%	547,872	97.3%	547,786	97.3%	550,755	97.8%	554,685	98.5%
COUNTY											
ALAMEDA	21,910	21,527	98.3%	21,602	98.6%	21,611	98.6%	21,584	98.5%	21,787	99.4%
ALPINE	6	<20*	--*	<20*	--*	<20*	--*	<20*	--*	<20*	--*
AMADOR	290	283	97.6%	285	98.3%	285	98.3%	282	97.2%	287	99.0%
BUTTE	2,814	2,709	96.3%	2,735	97.2%	2,721	96.7%	2,720	96.7%	2,762	98.2%
CALAVERAS	462	422	91.3%	436	94.4%	428	92.6%	440	95.2%	441	95.5%
COLUSA	411	401	97.6%	404	98.3%	403	98.1%	403	98.1%	405	98.5%
CONTRA COSTA	15,434	15,131	98.0%	15,166	98.3%	15,174	98.3%	15,230	98.7%	15,294	99.1%
DEL NORTE	401	377	94.0%	382	95.3%	388	96.8%	394	98.3%	399	99.5%
EL DORADO	2,205	2,106	95.5%	2,112	95.8%	2,119	96.1%	2,120	96.1%	2,140	97.1%
FRESNO	18,779	18,354	97.7%	18,463	98.3%	18,496	98.5%	18,581	98.9%	18,657	99.4%
GLENN	481	471	97.9%	475	98.8%	472	98.1%	475	98.8%	478	99.4%
HUMBOLDT	1,799	1,629	90.6%	1,631	90.7%	1,647	91.6%	1,631	90.7%	1,678	93.3%
IMPERIAL	3,254	3,201	98.4%	3,205	98.5%	3,197	98.2%	3,235	99.4%	3,235	99.4%
INYO	212	205	96.7%	205	96.7%	206	97.2%	206	97.2%	208	98.1%
KERN	16,497	15,870	96.2%	16,024	97.1%	15,994	97.0%	16,061	97.4%	16,185	98.1%
KINGS	2,731	2,671	97.8%	2,709	99.2%	2,713	99.3%	2,714	99.4%	2,722	99.7%
LAKE	840	819	97.5%	826	98.3%	821	97.7%	824	98.1%	827	98.5%
LASSEN	357	328	91.9%	331	92.7%	330	92.4%	336	94.1%	340	95.2%
LOS ANGELES	140,269	135,762	96.8%	136,262	97.1%	136,087	97.0%	137,675	98.2%	138,585	98.8%
MADERA	2,835	2,746	96.9%	2,762	97.4%	2,766	97.6%	2,783	98.2%	2,800	98.8%
MARIN	3,245	3,114	96.0%	3,107	95.7%	3,129	96.4%	3,085	95.1%	3,150	97.1%
MARIPOSA	19	<20*	--*	<20*	--*	<20*	--*	<20*	--*	<20*	--*
MENDOCINO	1,195	1,103	92.3%	1,101	92.1%	1,113	93.1%	1,142	95.6%	1,168	97.7%
MERCED	5,618	5,518	98.2%	5,549	98.8%	5,554	98.9%	5,575	99.2%	5,578	99.3%
MODOC	130	103	79.2%	110	84.6%	111	85.4%	114	87.7%	116	89.2%
MONO	139	134	96.4%	134	96.4%	134	96.4%	131	94.2%	134	96.4%
MONTEREY	7,221	7,109	98.4%	7,121	98.6%	7,115	98.5%	7,128	98.7%	7,148	99.0%
NAPA	1,702	1,652	97.1%	1,653	97.1%	1,659	97.5%	1,655	97.2%	1,665	97.8%
NEVADA	944	811	85.9%	810	85.8%	815	86.3%	804	85.2%	829	87.8%

\* County reporting fewer than 20 children in kindergarten.

KINDERGARTEN IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017  
TABLE 11: NUMBER AND PERCENTAGE OF STUDENTS WITH REQUIRED IMMUNIZATIONS BY VACCINE SERIES,  
BY COUNTY

	TOTAL STUDENTS	DTP 4+		POLIO 3+		MMR 2		HEP B 3+		VAR 1+	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	562,924	545,541	96.9%	547,872	97.3%	547,786	97.3%	550,755	97.8%	554,685	98.5%
COUNTY											
ORANGE	42,389	41,118	97.0%	41,256	97.3%	41,204	97.2%	41,499	97.9%	41,768	98.5%
PLACER	5,847	5,525	94.5%	5,539	94.7%	5,550	94.9%	5,577	95.4%	5,657	96.8%
PLUMAS	166	154	92.8%	154	92.8%	152	91.6%	157	94.6%	159	95.8%
RIVERSIDE	36,132	35,207	97.4%	35,410	98.0%	35,417	98.0%	35,545	98.4%	35,782	99.0%
SACRAMENTO	21,993	20,968	95.3%	21,153	96.2%	21,165	96.2%	21,340	97.0%	21,563	98.0%
SAN BENITO	967	957	99.0%	960	99.3%	953	98.6%	959	99.2%	960	99.3%
SAN BERNARDINO	34,471	33,519	97.2%	33,739	97.9%	33,724	97.8%	33,898	98.3%	34,123	99.0%
SAN DIEGO	46,044	44,180	96.0%	44,341	96.3%	44,418	96.5%	44,418	96.5%	44,801	97.3%
SAN FRANCISCO	6,742	6,542	97.0%	6,552	97.2%	6,543	97.0%	6,566	97.4%	6,630	98.3%
SAN JOAQUIN	12,572	12,299	97.8%	12,357	98.3%	12,362	98.3%	12,422	98.8%	12,455	99.1%
SAN LUIS OBISPO	3,154	3,059	97.0%	3,054	96.8%	3,074	97.5%	3,070	97.3%	3,096	98.2%
SAN MATEO	9,608	9,396	97.8%	9,445	98.3%	9,423	98.1%	9,469	98.6%	9,550	99.4%
SANTA BARBARA	6,674	6,523	97.7%	6,538	98.0%	6,537	97.9%	6,520	97.7%	6,587	98.7%
SANTA CLARA	26,070	25,596	98.2%	25,692	98.6%	25,637	98.3%	25,730	98.7%	25,848	99.1%
SANTA CRUZ	3,681	3,446	93.6%	3,431	93.2%	3,441	93.5%	3,425	93.0%	3,514	95.5%
SHASTA	2,386	2,244	94.0%	2,262	94.8%	2,263	94.8%	2,282	95.6%	2,295	96.2%
SIERRA	23	23	100.0%	22	95.7%	22	95.7%	23	100.0%	22	95.7%
SISKIYOU	520	482	92.7%	487	93.7%	486	93.5%	506	97.3%	488	93.8%
SOLANO	5,919	5,764	97.4%	5,807	98.1%	5,806	98.1%	5,830	98.5%	5,871	99.2%
SONOMA	6,669	6,378	95.6%	6,360	95.4%	6,382	95.7%	6,358	95.3%	6,462	96.9%
STANISLAUS	9,166	8,965	97.8%	9,004	98.2%	9,009	98.3%	9,046	98.7%	9,099	99.3%
SUTTER	1,995	1,738	87.1%	1,757	88.1%	1,741	87.3%	1,763	88.4%	1,783	89.4%
TEHAMA	1,024	992	96.9%	973	95.0%	991	96.8%	1,000	97.7%	978	95.5%
TRINITY	144	133	92.4%	136	94.4%	139	96.5%	138	95.8%	141	97.9%
TULARE	9,243	9,130	98.8%	9,165	99.2%	9,159	99.1%	9,178	99.3%	9,201	99.5%
TUOLUMNE	570	519	91.1%	520	91.2%	518	90.9%	523	91.8%	528	92.6%
VENTURA	12,247	11,926	97.4%	11,941	97.5%	11,956	97.6%	11,972	97.8%	12,052	98.4%
YOLO	2,830	2,766	97.7%	2,771	97.9%	2,773	98.0%	2,763	97.6%	2,793	98.7%
YUBA	1,478	1,436	97.2%	1,446	97.8%	1,453	98.3%	1,450	98.1%	1,461	98.8%

\* County reporting fewer than 20 children in kindergarten.