

## **2017-2018 7<sup>th</sup> Grade 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. In 2014 and 2015 Assembly Bill (AB) 2109 added requirements for exemptions to required immunizations based on personal beliefs. 2017-2018 is the second full school year that entrants have been subject to Senate Bill (SB) 277, which no longer permits them to receive such personal beliefs exemptions (PBEs). Beginning in the 2015-2016 school year, many public health departments in California have increased their assistance to schools in implementing immunization requirements.

The proportion of students attending 7<sup>th</sup> grade in 2017-2018 reported to have received the tetanus, diphtheria and pertussis (Tdap) booster immunization is 97.9%, similar to rates in the previous three school years since 2014-2015 (Figure 1). The 2017-2018 rate of 97.9% is the second highest reported for the Tdap booster requirement, which began in the 2011-2012 school year.

Since implementation of SB 277, the percentage of 7<sup>th</sup> graders reported with personal beliefs exemptions decreased from 1.7% in 2015-2016 to 0% in 2016-2017 and 2017-2018. Previously during measures specified in AB 2109, the rate of PBEs had decreased from 3.3% in 2013-2014 to 1.7% in 2015-2016.

Compared to 2016-2017, in 2017-2018 the proportion of 7<sup>th</sup> graders reported as:

- Having permanent medical exemptions remained at 0.4%.
- Conditional entrants because of a temporary medical exemption remained at 0.1%
- Lacking Tdap immunization for other reasons specified under SB 277 increased from 0.8% to 0.9%, with 0.4% reported as being enrolled in independent study programs.
- Being overdue for Tdap immunization increased from 0.4% to 0.6%.

Compared to the 2016-2017 school year, reported rates of immunization with Tdap continue at high levels, while the rates for categories of unimmunized students are also stable. 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.

## 2017-2018 7<sup>th</sup> Grade Immunization Assessment – Technical Notes

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### Introduction

Each autumn all schools with 7<sup>th</sup> grades 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 2017-2018 school year reported by public and private schools with 7<sup>th</sup> grades, both statewide (Table 1, Figures 1-7) and by county (Tables 2-8, Figure 7).

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

### Methods

During the autumn of 2017, California schools registered with the California Department of Education reported data on 7<sup>th</sup> graders in the 2017-2018 school year to the California Department of Public Health (CDPH). Based on their reported immunization status, students were classified by school staff into the following categories:

- Students immunized with the tetanus, diphtheria and pertussis booster (Tdap).
- Conditional entrants who had a temporary medical exemption (TME) to Tdap immunization.
- Students with a permanent medical exemption (PME) to Tdap immunization.
- Other students lacking immunizations. Under SB 277, entrants since the 2016-2017 school year have not been 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.
- Students overdue for Tdap immunization and subject to exclusion from school until the overdue requirement has been met.

Under SB 277, personal belief exemptions (PBEs) have no longer been an option for 7<sup>th</sup> graders 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, varying at times by 0.1% from the differences between rounded figures.

### Results

The number of 7<sup>th</sup> graders in California whose immunization status was reported increased from 497,423 in 2016-2017 to 512,832 in the 2017-2018 school year (Table 1). The number of schools that reported increased from 4,503 in 2016-2017 to 4,771 in 2017-2018, and the

number of schools that did not report decreased from 541 to 209 (Tables 1 and 2). The number of public schools that reported increased from 2,791 in 2016-2017 to 3,015 in 2017-2018 (Tables 1 and 2). The number of private schools that reported increased from 1,712 in 2016-2017 to 1,756 in 2017-2018. Private schools account for 7% (36,607/512,832) of all 7th graders about whom data was reported in 2017-2018, 37% (1,756/4,771) of all schools that reported data on 7th graders and 85% (177/209) of schools that did not report.

Figures 1-3 and 7 show trends for 7<sup>th</sup> grade students in all, public or private schools reported as having: been immunized with Tdap; PBEs; and PME. Figures 4-6 display for recent school years the distribution of major reporting categories for students reported from: all schools; public schools; and private schools.

Immunized with Tdap: Of 512,832 7th graders whose schools reported their status, 502,131 (97.9%) have been immunized with Tdap, a decrease from the previous school year of 0.4 percentage points (difference of unrounded values) and an increase over three school years of 0.1 percentage points (Table 1, Figures 1 and 4). Compared to the 2016-2017 school year, the percentage of students reported to have been immunized with Tdap increased by at least 3% in 2 (3%) counties and decreased by at least 3% in 1 (2%) of 58 counties (Table 5). For counties reporting at least 25 students, the highest rates of at least 99% were reported in Inyo, Modoc, Sierra, Kings, Glenn, Colusa, Imperial, San Benito, Solano, Merced, Monterey and Tulare counties (Tables 3-5).

In 2017-2018, 11 (19%) of 58 counties in California reported rates of 7<sup>th</sup> graders with Tdap less than 95% compared to 10 (17%) of 58 counties in 2016-2017 (Tables 3-5, Figure 7). The rate in at least one of these, Sutter County, is influenced by online or virtual schools that are based in the county but that enroll children who reside mostly in other counties; many students in virtual schools qualify for exemptions from requirements under SB 277 (see Methods and below). At traditional classroom-based schools in Sutter County, 99.0% (1,531/1,546) of 7<sup>th</sup> graders were reported as receiving Tdap, compared to 26.7% (118/442) enrolled at virtual schools based in the county and 82.9% (1,649/1,988) at all schools, traditional and virtual; of all students reported in 7<sup>th</sup> grade in Sutter County, 22.2% (442/1,988) attend virtual schools.

As in past years, a higher proportion of students in public compared to private schools were reported as being immunized with Tdap (98.1% vs. 94.9%; difference of 3.2 percentage points) (Table 1, Figures 5 and 6). However, this gap is smaller than in 2016-2017 (98.6% vs. 95.0%; difference of 3.6 percentage points), as there was a one-year decrease of 0.5 percentage points for students in public schools and an decrease of 0.1 percentage points for those in private schools.

The effects of increased reporting were examined. For schools that reported both in 2016-2017 and 2017-2018, 98.0% (484,055/493,779) of students are classified as having received Tdap, compared to 94.9% (18,076/19,053) of students at schools that reported in 2017-2018 but not in 2016-2017.

Conditional entrants: In both 2016-2017 and 2017-2018, 0.1% of 7<sup>th</sup> graders were reported as conditional entrants because of a temporary medical exemption (Tables 1, 3), whether in all schools or in public schools. In 2017-2018, 0.5% of 7<sup>th</sup> graders in private schools were reported as conditional entrants, compared with 0.4% in 2016-2017.

PMEs: As in 2016-2017, the percentage of students with PMEs in 2017-2018 remained at 0.4% (Tables 1 and 6, Figures 3 and 4). In public schools, the number of students reported with PMEs increased from 1,612 (0.3%) to 1,705 (0.4%) (Figure 5), while for private schools, the number of students increased from 437 (1.2%) to 459 (1.3%) (Figure 6).

Other students lacking required immunizations: The proportion of 7<sup>th</sup> graders 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 increased from 0.8% in 2016-2017 to 0.9% in 2017-2018. (Tables 1 and 7, Figure 4). Children reported as being enrolled in independent study programs accounted for more students in this category (0.4% of 0.9%) than in other qualifying criteria.

Overdue: The percentage of students reported as being overdue for Tdap immunization (Tables 1 and 3, Figure 4) increased from 0.4% in 2016-2017 to 0.6% in 2017-2018. In public schools the number of students reported as overdue increased from 1,217 (0.3%) to 2,773 (0.6%) (Figure 5). For private schools the number of students reported as overdue decreased from 588 (1.6%) to 508 (1.4%) (Figure 6).

Combined categories: 7th graders who are required to receive Tdap are reported in three categories: having been immunized with Tdap; conditional entrants; and being overdue for required doses. After rounding, the 7th graders who were reported in the sum of these three categories decreased by 0.1 percentage points from 98.8% in 2016-2017 to 98.7% in 2017-2018. Compared to the 2015-2016 school year, the 7th graders who were reported in the sum of these three categories increased by 0.5 percentage points from 98.2% to 98.7%.

Conversely, the sum of 7th graders reported as not having to receive Tdap because of PMEs or for other criteria specified in SB 277 increased from 1.2% in 2016-2017 to 1.3% in 2017-2018; the combined rate for public schools increased from 1.0% to 1.2% and for private schools from 2.9% to 3.2%.

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## Discussion

When comparing the 2017-2018 school year to 2016-2017, reported rates of immunization with Tdap statewide in California continue at high levels, while the rates for other categories of unimmunized students are also stable. The 2017-2018 rate of 97.9% is the second highest reported to CDPH since Tdap became required for 7th graders in the 2011-2012 school year.

Adolescents categorized at the beginning of the school year as overdue entrants represented 0.6% of 7th graders reported in 2017-2018 compared with 0.4% in both 2016-2017 and 2015-2016. Ongoing efforts to educate schools and support immunization services might reduce the number of children in this category in the future.

With the additional measures required under AB 2109 for requesting PBEs during 2014 and 2015, the rate of PBEs decreased from 3.3% in 2013-2014 to 1.7% in 2015-2016. With the implementation of SB 277 and the cessation of PBEs for 7<sup>th</sup> graders, no PBEs were reported in 2016-2017 and 2017-2018. In 2017-2018, 0.4% of 7th graders were reported with PMEs, and another 0.9% lacked required immunizations under other criteria introduced in SB 277. In sum, 1.3% of entrants were reported as not having had required immunizations because of PMEs or other criteria related to SB 277 in 2017-2018, compared to 1.2% in 2016-2017. Future assessments will continue to follow the trends for these categories.

Adolescents who have not been immunized remain at higher risk of contracting vaccine-preventable diseases. In 2017-2018, 11 (19%) of 58 counties in California report rates of 7th graders who have received Tdap as less than 95%, compared to 10 (17%) counties in 2016-2017 and 18 (31%) counties in 2015-2016. As an additional source of vulnerability, recent changes to California's school immunization laws did not apply to many high school students. Ongoing efforts to further improve adolescent immunization are warranted.

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## Limitations

This report is subject to limitations that include:

- 209 California schools that might have had students in 7<sup>th</sup> grade, including 177 private schools and 32 public schools, did not report their immunization data; in the absence of reporting, CDPH does not know how many of these schools enrolled 7th graders this year or the immunization status of their 7th graders.
- 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.
- 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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## Figures

Figure 1. Percentage of 7th Grade Students with 1 or More Doses of Tdap Vaccine, by School Type and School Year, 2011-2012 to 2017-2018

Figure 2. Percentage of 7th Grade Students with Personal Belief Exemptions (PBEs), by School Type and School Year, 2011-2012 to 2017-2018

Figure 3. Percentage of 7th Grade Students with Permanent Medical Exemptions (PMEs), by School Type and School Year, 2011-2012 to 2017-2018.

Figure 4. Percentage of All 7th Grade Students by Reported Admission Status by School Year, 2013-2014 to 2017-2018

Figure 5. Percentage of Public School 7th Grade Students by Reported Admission Status by School Year, 2016-2017 and 2017-2018

Figure 6. Percentage of Private School 7th Grade Students by Reported Admission Status by School Year, 2016-2017 and 2017-2018

Figure 7. Map: 7th Grade Students with 1 or More Doses of Tdap Vaccine, by County, 2016-2017 and 2017-2018 School Years

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## Tables

Table 1. 7th Grade Immunization Assessment Summary, 2016-2017 and 2017-2018 School Years

Table 2. Number and Percentage of Schools Reporting, by County and Type

Table 3. Total Enrollment and Admission Status, by County

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

Table 5. Number and Percentage of Students with 1 or More Doses of Tdap Vaccine in 2017-2018 and 2016-2017, and 1-Year Percentage Point Change, by County

Table 6. Number and Percentage of Students with a Permanent Medical Exemption (PME) in 2017-2018 and 2016-2017, and 1-Year Percentage Point Change, by County

Table 7. Number and Percentage of Other Students Lacking Tdap Vaccine in 2017-2018 and 2016-2017, and 1-Year Percentage Point Change, by County

Table 8. Number and Percentage of Other Students Lacking Tdap Vaccine, by Subgroup and County

Table 9. Number and Percentage of Students with Overdue Status in 2017-2018 and 2016-2017, and 1-Year Percentage Point Change, by County

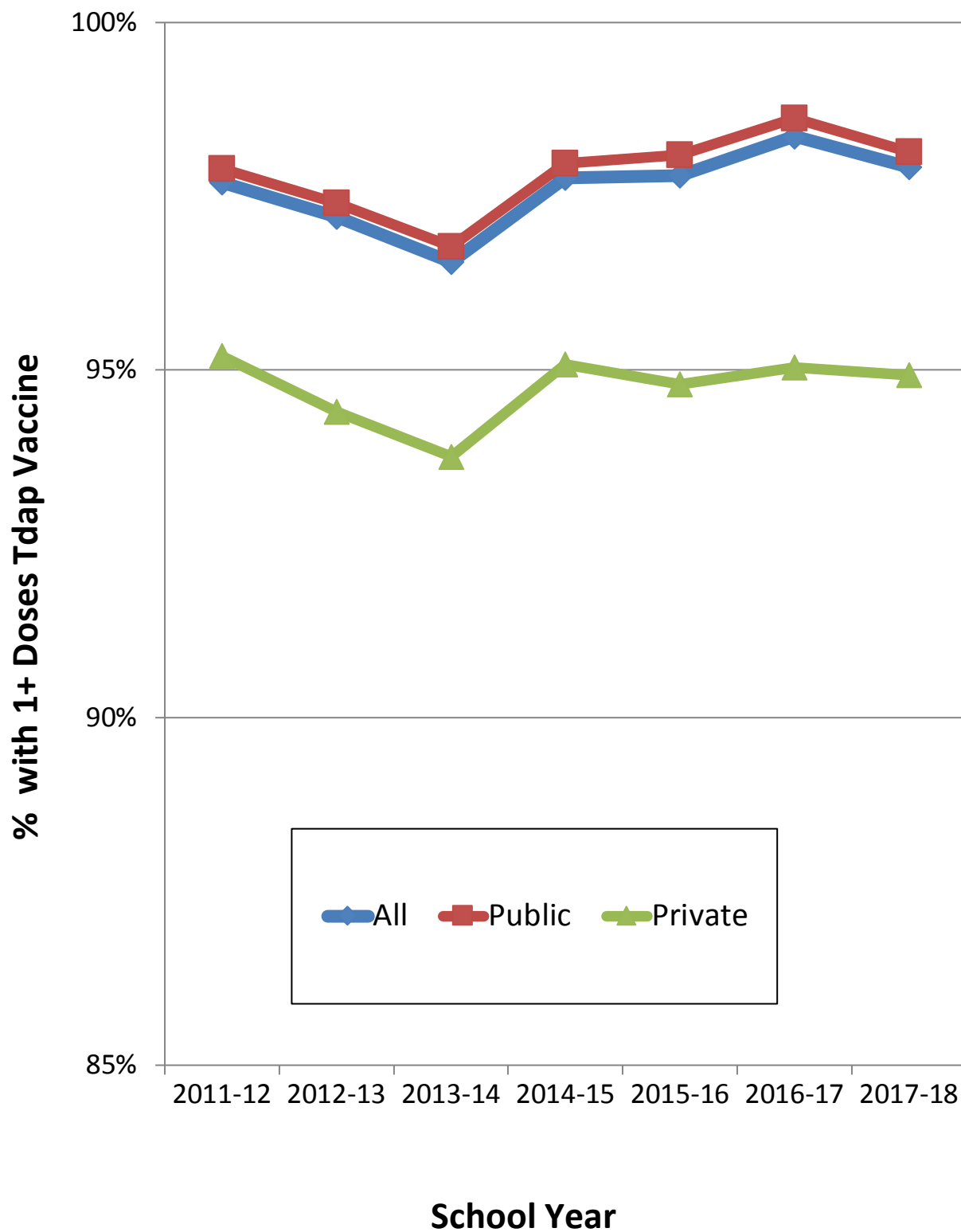


Figure 1. Percentage of 7th Grade Students with 1 or More Doses of Tdap Vaccine, by School Type and School Year, 2011-2012 to 2017-2018

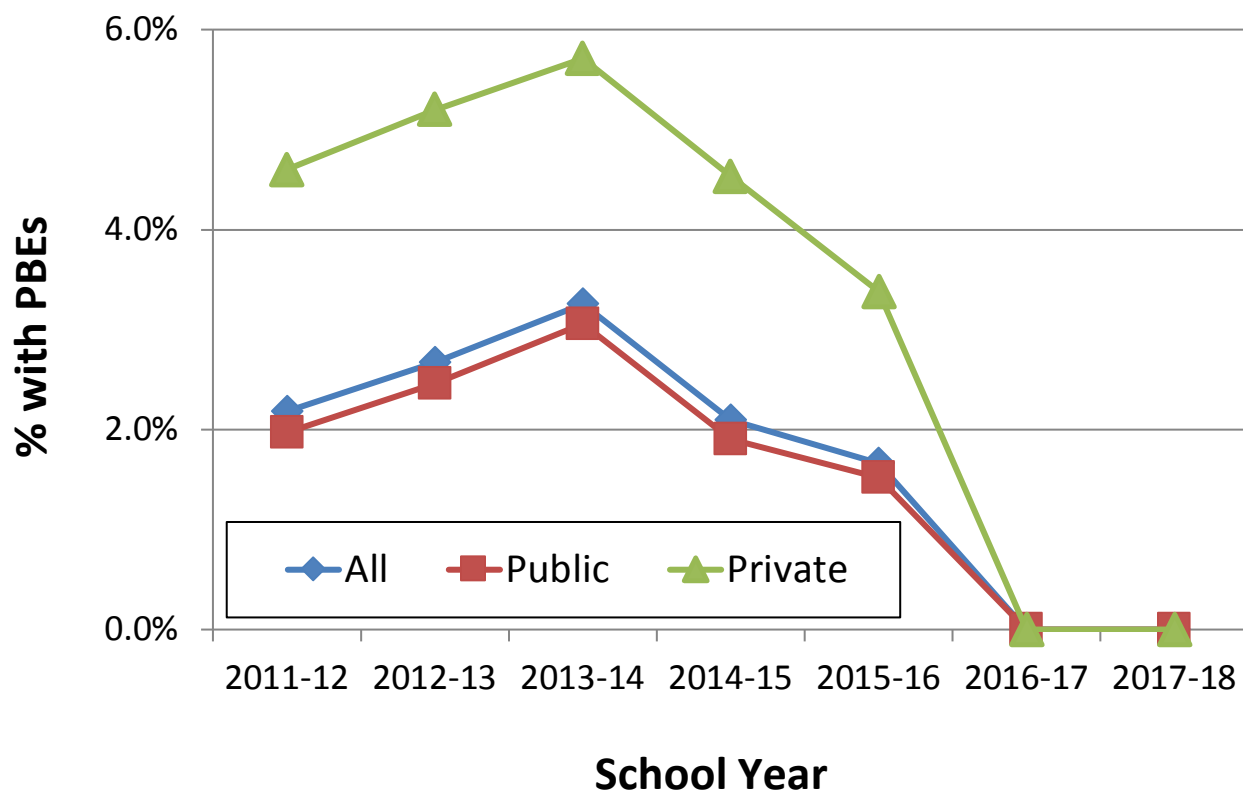


Figure 2. Percentage of 7<sup>th</sup> Grade Students with Personal Beliefs Exemptions (PBEs), by School Type and School Year, 2011-2012 to 2017-2018

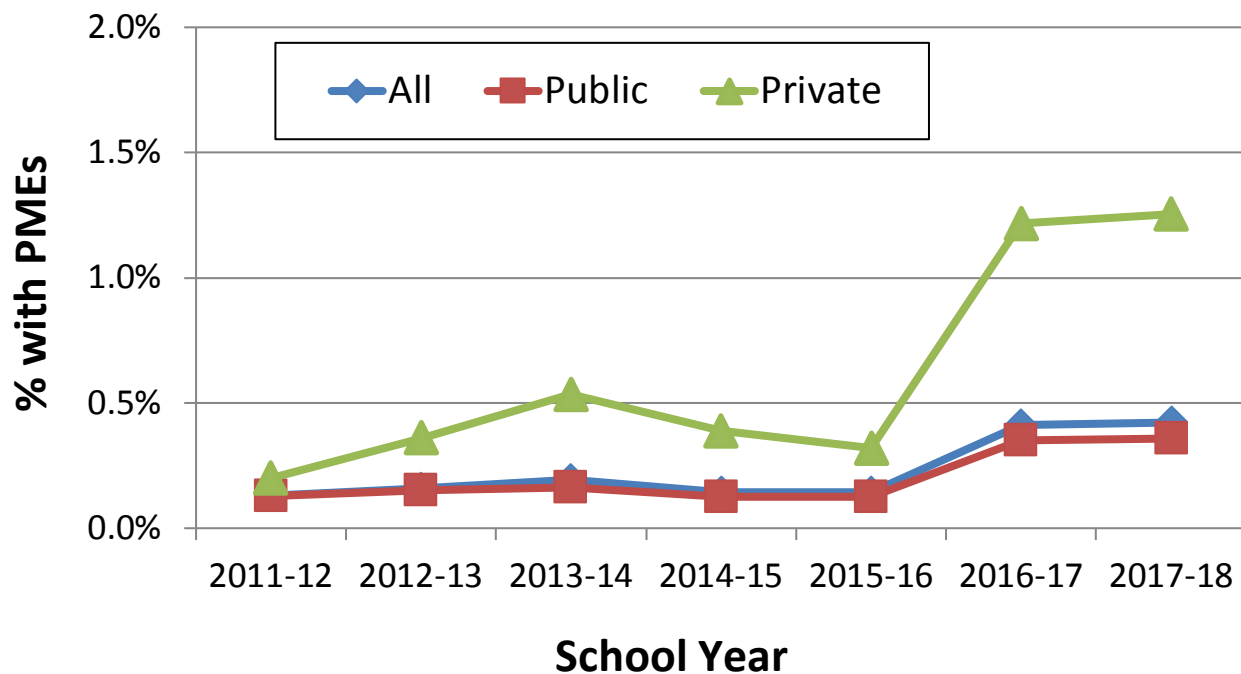
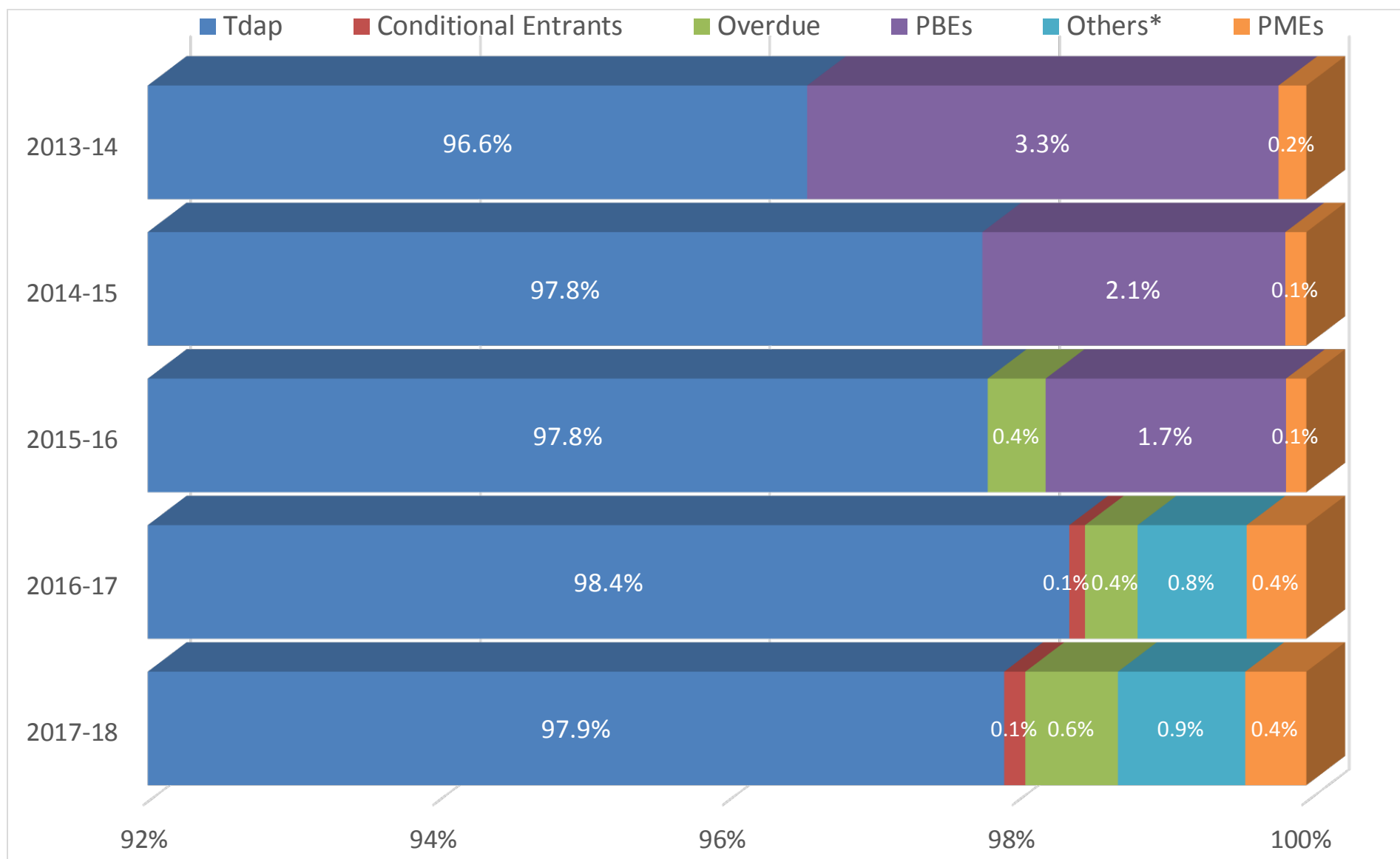


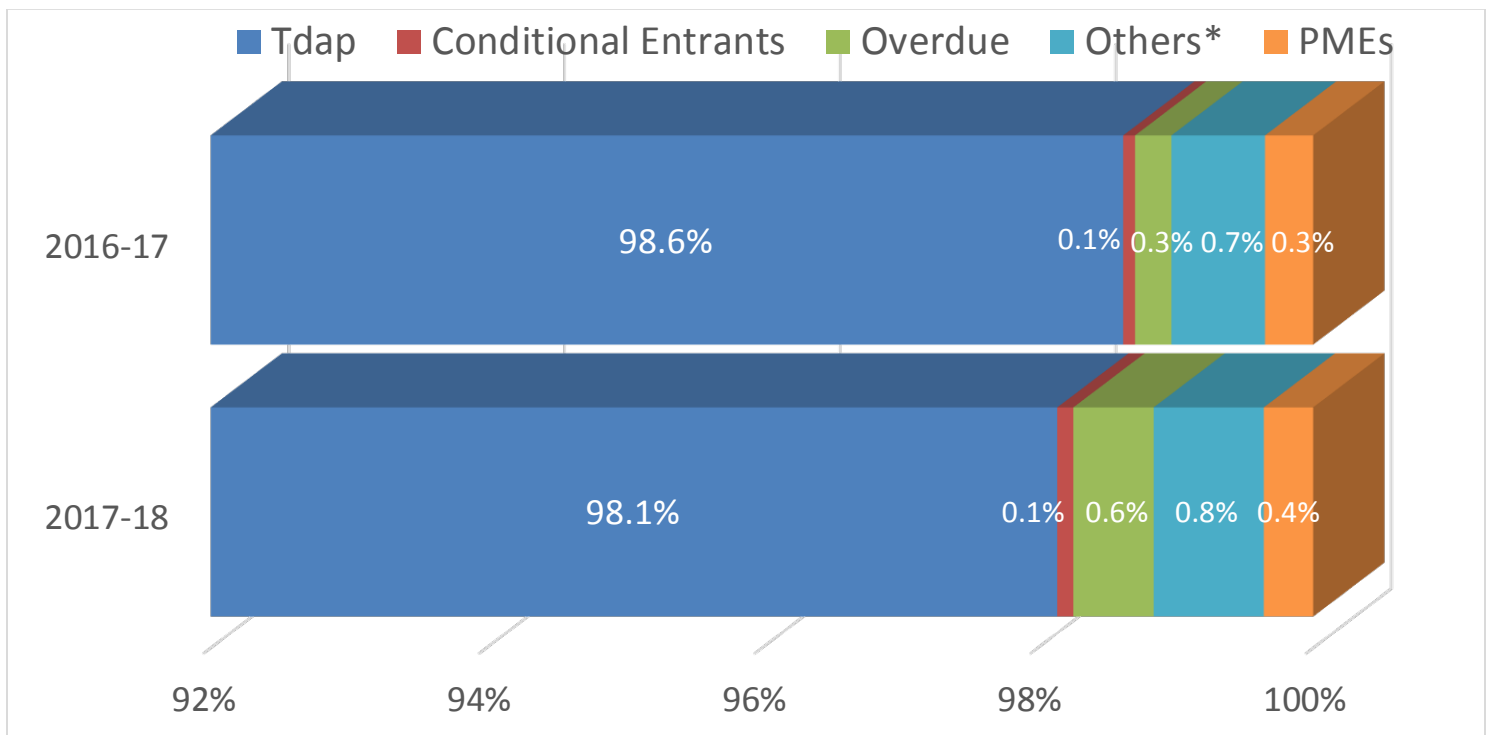
Figure 3. Percentage of 7<sup>th</sup> Grade Students with Permanent Medical Exemptions (PMEs), by School Type and School Year, 2011-2012 to 2017-2018





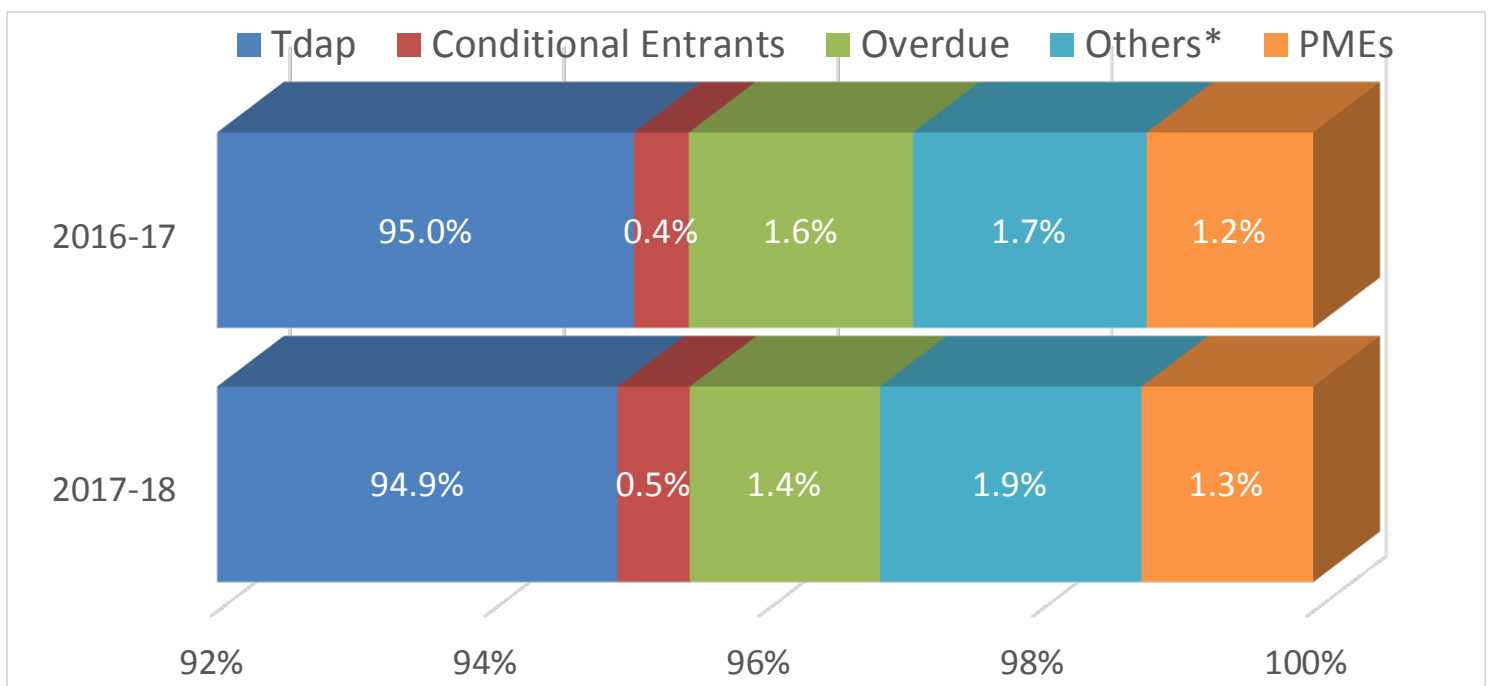
\*Other children lacking required immunizations under criteria specified in SB 277.

**Figure 4. Percentage of All 7<sup>th</sup> Grade Students by Reported Admission Status by School Year, 2013-2014 to 2017-2018.** In the 2014-2015 and 2015-2016 school years, entrants were subject to AB 2109. In the 2016-2017 school year and forward, entrants have been subject to SB 277.



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

**Figure 5. Percentage of Public School 7<sup>th</sup> Grade Students by Reported Admission Status by School Year, 2016-2017 and 2017-2018**



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

**Figure 6. Percentage of Private School 7<sup>th</sup> Grade Students by Reported Admission Status by School Year, 2016-2017 and 2017-2018**

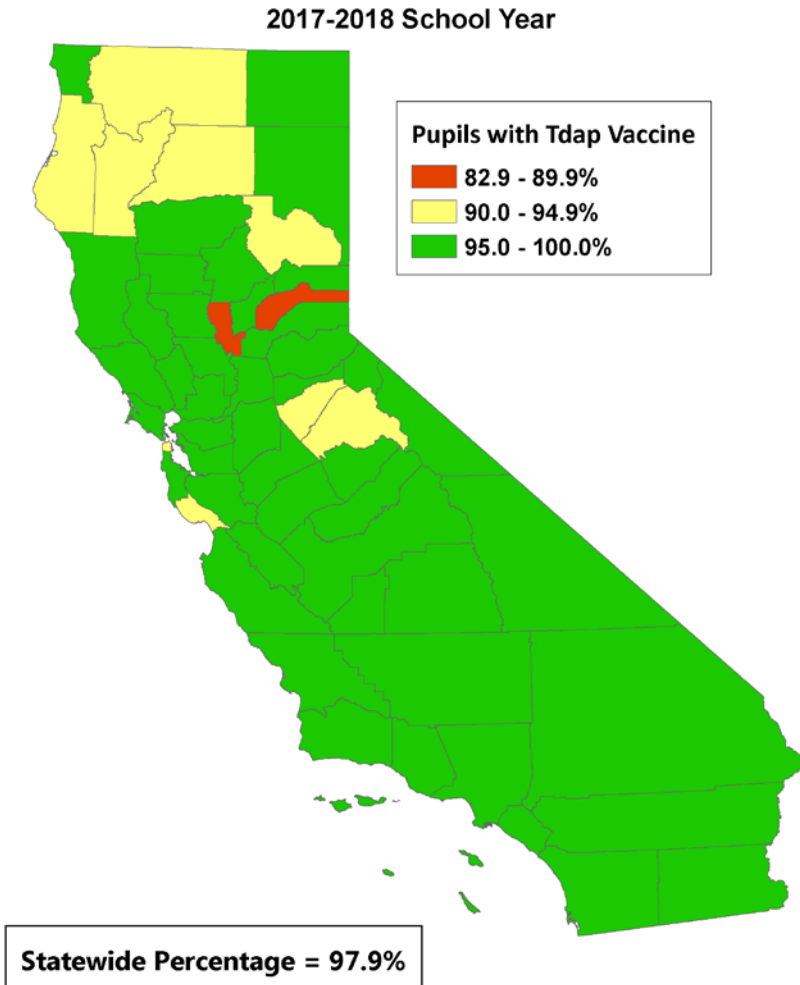
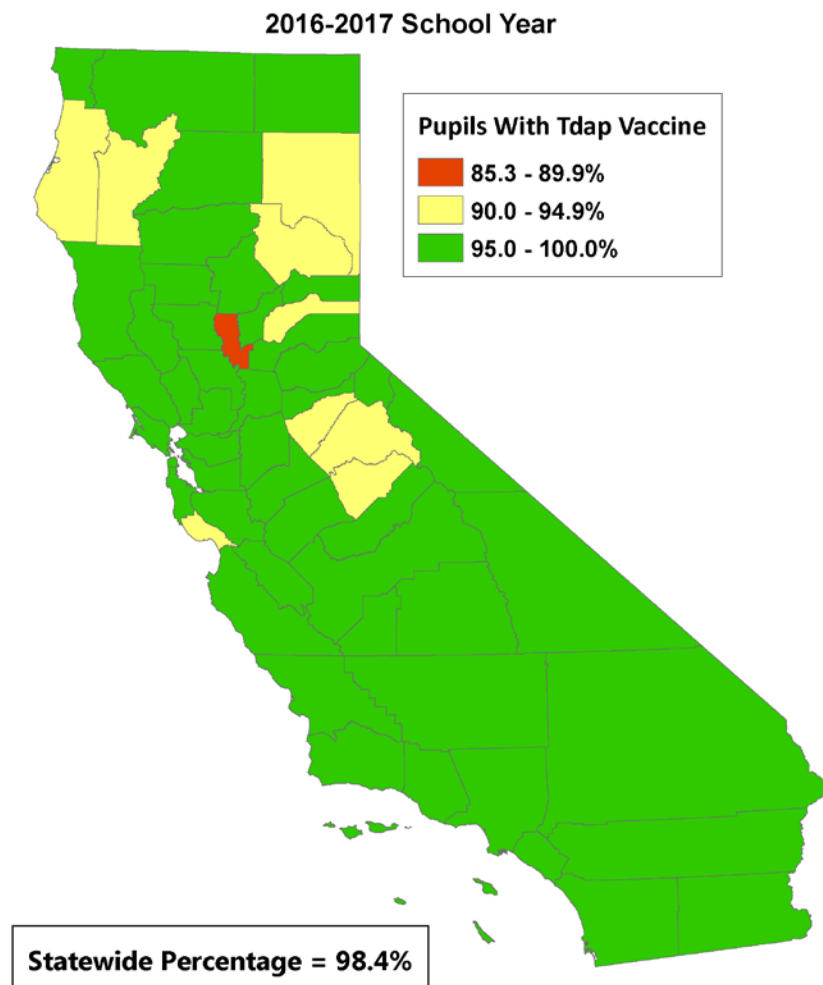


Figure 7. 7th Grade Students with 1 or More Doses of Tdap Vaccine, by County, 2016-2017 and 2017-2018 School Years

**Table 1. 7th Grade Immunization Assessment Summary, 2016-2017 and 2017-2018 School Years**

	2017-18			2016-17			1-Year Percentage Point Change		
	All	Public	Private	All	Public	Private	All	Public	Private
Number of Schools	4,771	3,015	1,756	4,503	2,791	1,712			
Number of Students	512,832	476,225	36,607	497,423	461,486	35,937			
Received Tdap*	97.9%	98.1%	94.9%	98.4%	98.6%	95.0%	-0.4%	-0.5%	-0.1%
Conditional Entrants	0.1%	0.1%	0.5%	0.1%	0.1%	0.4%	0.0%	0.1%	0.1%
Permanent Medical Exemptions	0.4%	0.4%	1.3%	0.4%	0.3%	1.2%	0.0%	0.0%	0.0%
Personal Belief Exemptions	(No longer allowed under SB77)			(No longer allowed under SB77)			(No longer allowed under SB77)		
Others Lacking Tdap†	0.9%	0.8%	1.9%	0.8%	0.7%	1.7%	0.1%	0.1%	0.2%
Overdue for Tdap Vaccine^	0.6%	0.6%	1.4%	0.4%	0.3%	1.6%	0.3%	0.3%	-0.2%

\* Received pertussis-containing immunization on or after 7th birthday.

† 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 Tdap immunization.

7TH GRADE ASSESSMENT - CALIFORNIA, 2017-2018  
TABLE 2: NUMBER AND PERCENTAGE OF SCHOOLS REPORTING  
BY COUNTY AND SCHOOL 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	4,980	4,771	95.8%	3,047	3,015	98.9%	1,933	1,756	90.8%
COUNTY									
ALAMEDA	193	180	93.3%	107	105	98.1%	86	75	87.2%
ALPINE	1	1	100.0%	1	1	100.0%	0	0	0.0%
AMADOR	6	6	100.0%	5	5	100.0%	1	1	100.0%
BUTTE	50	50	100.0%	40	40	100.0%	10	10	100.0%
CALAVERAS	8	5	62.5%	5	5	100.0%	3	0	0.0%
COLUSA	8	8	100.0%	5	5	100.0%	3	3	100.0%
CONTRA COSTA	140	140	100.0%	72	72	100.0%	68	68	100.0%
DEL NORTE	6	6	100.0%	6	6	100.0%	0	0	0.0%
EL DORADO	33	33	100.0%	25	25	100.0%	8	8	100.0%
FRESNO	123	123	100.0%	99	99	100.0%	24	24	100.0%
GLENN	14	14	100.0%	11	11	100.0%	3	3	100.0%
HUMBOLDT	52	52	100.0%	42	42	100.0%	10	10	100.0%
IMPERIAL	31	31	100.0%	24	24	100.0%	7	7	100.0%
INYO	8	8	100.0%	7	7	100.0%	1	1	100.0%
KERN	107	104	97.2%	79	78	98.7%	28	26	92.9%
KINGS	30	30	100.0%	25	25	100.0%	5	5	100.0%
LAKE	21	21	100.0%	16	16	100.0%	5	5	100.0%
LASSEN	15	14	93.3%	14	14	100.0%	1	0	0.0%
LOS ANGELES	1,157	1,042	90.1%	598	582	97.3%	559	460	82.3%
MADERA	39	30	76.9%	34	27	79.4%	5	3	60.0%
MARIN	49	49	100.0%	23	23	100.0%	26	26	100.0%
MARIPOSA	10	9	90.0%	9	9	100.0%	1	0	0.0%
MENDOCINO	28	27	96.4%	24	23	95.8%	4	4	100.0%
MERCED	44	43	97.7%	32	32	100.0%	12	11	91.7%
MODOC	6	6	100.0%	5	5	100.0%	1	1	100.0%
MONO	4	4	100.0%	4	4	100.0%	0	0	0.0%
MONTEREY	58	57	98.3%	41	41	100.0%	17	16	94.1%
NAPA	26	26	100.0%	11	11	100.0%	15	15	100.0%
NEVADA	24	23	95.8%	19	19	100.0%	5	4	80.0%

7TH GRADE ASSESSMENT - CALIFORNIA, 2017-2018  
TABLE 2: NUMBER AND PERCENTAGE OF SCHOOLS REPORTING  
BY COUNTY AND SCHOOL 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	4,980	4,771	95.8%	3,047	3,015	98.9%	1,933	1,756	90.8%
COUNTY									
ORANGE	287	287	100.0%	133	133	100.0%	154	154	100.0%
PLACER	57	57	100.0%	44	44	100.0%	13	13	100.0%
PLUMAS	9	9	100.0%	8	8	100.0%	1	1	100.0%
RIVERSIDE	211	194	91.9%	126	126	100.0%	85	68	80.0%
SACRAMENTO	177	167	94.4%	112	111	99.1%	65	56	86.2%
SAN BENITO	19	19	100.0%	15	15	100.0%	4	4	100.0%
SAN BERNARDINO	206	206	100.0%	137	137	100.0%	69	69	100.0%
SAN DIEGO	371	371	100.0%	231	231	100.0%	140	140	100.0%
SAN FRANCISCO	95	94	98.9%	26	26	100.0%	69	68	98.6%
SAN JOAQUIN	161	161	100.0%	132	132	100.0%	29	29	100.0%
SAN LUIS OBISPO	34	34	100.0%	20	20	100.0%	14	14	100.0%
SAN MATEO	104	104	100.0%	54	54	100.0%	50	50	100.0%
SANTA BARBARA	59	56	94.9%	33	31	93.9%	26	25	96.2%
SANTA CLARA	220	220	100.0%	106	106	100.0%	114	114	100.0%
SANTA CRUZ	46	45	97.8%	25	25	100.0%	21	20	95.2%
SHASTA	68	63	92.6%	52	52	100.0%	16	11	68.8%
SIERRA	1	1	100.0%	1	1	100.0%	0	0	0.0%
SISKIYOU	24	24	100.0%	22	22	100.0%	2	2	100.0%
SOLANO	53	47	88.7%	33	33	100.0%	20	14	70.0%
SONOMA	83	82	98.8%	58	58	100.0%	25	24	96.0%
STANISLAUS	79	74	93.7%	56	55	98.2%	23	19	82.6%
SUTTER	33	31	93.9%	28	28	100.0%	5	3	60.0%
TEHAMA	25	24	96.0%	20	20	100.0%	5	4	80.0%
TRINITY	9	9	100.0%	9	9	100.0%	0	0	0.0%
TULARE	93	88	94.6%	78	77	98.7%	15	11	73.3%
TUOLUMNE	19	19	100.0%	15	15	100.0%	4	4	100.0%
VENTURA	102	99	97.1%	57	57	100.0%	45	42	93.3%
YOLO	29	29	100.0%	19	19	100.0%	10	10	100.0%
YUBA	15	15	100.0%	14	14	100.0%	1	1	100.0%

7TH GRADE ASSESSMENT - CALIFORNIA, 2017-2018  
TABLE 3: TOTAL ENROLLMENT AND ADMISSION STATUS,  
BY COUNTY

	TOTAL STUDENTS	ENTRANTS WITH TDAP VACCINE		CONDITIONAL ENTRANTS		ENTRANTS WITH PME		OTHERS LACKING TDAP VACCINE†		OVERDUE FOR TDAP VACCINE^	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	512,832	502,131	97.9%	750	0.1%	2,164	0.4%	4,506	0.9%	3,281	0.6%
COUNTY											
ALAMEDA	19,077	18,818	98.6%	22	0.1%	37	0.2%	31	0.2%	169	0.9%
ALPINE	9	<20*	--*	<20*	--*	<20*	--*	<20*	--*	<20*	--*
AMADOR	336	329	97.9%	0	0.0%	2	0.6%	1	0.3%	4	1.2%
BUTTE	2,431	2,349	96.6%	14	0.6%	13	0.5%	52	2.1%	3	0.1%
CALAVERAS	439	400	91.1%	4	0.9%	3	0.7%	31	7.1%	1	0.2%
COLUSA	471	469	99.6%	0	0.0%	0	0.0%	2	0.4%	0	0.0%
CONTRA COSTA	14,825	14,564	98.2%	15	0.1%	50	0.3%	67	0.5%	129	0.9%
DEL NORTE	333	324	97.3%	5	1.5%	1	0.3%	3	0.9%	0	0.0%
EL DORADO	2,296	2,189	95.3%	11	0.5%	30	1.3%	64	2.8%	2	0.1%
FRESNO	16,387	16,185	98.8%	10	0.1%	34	0.2%	124	0.8%	34	0.2%
GLENN	462	461	99.8%	1	0.2%	0	0.0%	0	0.0%	0	0.0%
HUMBOLDT	1,481	1,385	93.5%	10	0.7%	34	2.3%	36	2.4%	16	1.1%
IMPERIAL	3,321	3,299	99.3%	3	0.1%	1	0.0%	10	0.3%	8	0.2%
INYO	210	--**	≥99.5%	--**	≤0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
KERN	14,786	14,324	96.9%	15	0.1%	37	0.3%	77	0.5%	333	2.3%
KINGS	2,339	2,335	99.8%	1	0.0%	0	0.0%	1	0.0%	2	0.1%
LAKE	784	748	95.4%	5	0.6%	15	1.9%	11	1.4%	5	0.6%
LASSEN	286	279	97.6%	1	0.3%	1	0.3%	5	1.7%	0	0.0%
LOS ANGELES	122,266	120,123	98.2%	144	0.1%	394	0.3%	711	0.6%	894	0.7%
MADERA	2,420	2,368	97.9%	1	0.0%	3	0.1%	11	0.5%	37	1.5%
MARIN	3,190	3,120	97.8%	10	0.3%	35	1.1%	10	0.3%	15	0.5%
MARIPOSA	143	138	96.5%	1	0.7%	2	1.4%	2	1.4%	0	0.0%
MENDOCINO	1,099	1,053	95.8%	2	0.2%	13	1.2%	16	1.5%	15	1.4%
MERCED	5,113	5,069	99.1%	2	0.0%	7	0.1%	27	0.5%	8	0.2%
MODOC	101	--**	≥99.0%	--**	≤1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
MONO	131	128	97.7%	3	2.3%	0	0.0%	0	0.0%	0	0.0%
MONTEREY	6,344	6,287	99.1%	6	0.1%	25	0.4%	19	0.3%	7	0.1%
NAPA	1,814	1,766	97.4%	2	0.1%	10	0.6%	31	1.7%	5	0.3%
NEVADA	797	705	88.5%	13	1.6%	24	3.0%	50	6.3%	5	0.6%

† 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 Tdap immunization.

\* County reporting fewer than 20 children in 7th grade.

\*\* Number of children corresponds to percentage range indicated in the column to the right. Additional precautions for student de-identification based on school enrollment.

7TH GRADE ASSESSMENT - CALIFORNIA, 2017-2018  
TABLE 3: TOTAL ENROLLMENT AND ADMISSION STATUS,  
BY COUNTY

	TOTAL STUDENTS	ENTRANTS WITH TDAP VACCINE		CONDITIONAL ENTRANTS		ENTRANTS WITH PME		OTHERS LACKING TDAP VACCINE†		OVERDUE FOR TDAP VACCINE^	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	512,832	502,131	97.9%	750	0.1%	2,164	0.4%	4,506	0.9%	3,281	0.6%
COUNTY											
ORANGE	41,114	40,359	98.2%	79	0.2%	238	0.6%	331	0.8%	107	0.3%
PLACER	5,953	5,759	96.7%	20	0.3%	58	1.0%	98	1.6%	18	0.3%
PLUMAS	213	202	94.8%	2	0.9%	4	1.9%	5	2.3%	0	0.0%
RIVERSIDE	34,483	34,058	98.8%	26	0.1%	111	0.3%	201	0.6%	87	0.3%
SACRAMENTO	19,823	19,237	97.0%	64	0.3%	72	0.4%	414	2.1%	36	0.2%
SAN BENITO	904	898	99.3%	0	0.0%	4	0.4%	0	0.0%	2	0.2%
SAN BERNARDINO	32,431	31,882	98.3%	16	0.0%	50	0.2%	406	1.3%	77	0.2%
SAN DIEGO	41,440	40,148	96.9%	77	0.2%	270	0.7%	479	1.2%	466	1.1%
SAN FRANCISCO	6,025	5,716	94.9%	9	0.1%	19	0.3%	33	0.5%	248	4.1%
SAN JOAQUIN	12,097	11,947	98.8%	6	0.0%	24	0.2%	93	0.8%	27	0.2%
SAN LUIS OBISPO	3,132	3,054	97.5%	6	0.2%	35	1.1%	26	0.8%	11	0.4%
SAN MATEO	8,512	8,366	98.3%	6	0.1%	35	0.4%	3	0.0%	102	1.2%
SANTA BARBARA	6,163	6,082	98.7%	6	0.1%	30	0.5%	39	0.6%	6	0.1%
SANTA CLARA	23,987	23,735	98.9%	25	0.1%	96	0.4%	59	0.2%	72	0.3%
SANTA CRUZ	3,416	3,159	92.5%	2	0.1%	68	2.0%	168	4.9%	19	0.6%
SHASTA	2,086	1,974	94.6%	25	1.2%	21	1.0%	42	2.0%	24	1.2%
SIERRA	27	--**	≥95.0%	--**	≤5.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
SISKIYOU	479	441	92.1%	4	0.8%	2	0.4%	31	6.5%	1	0.2%
SOLANO	5,135	5,091	99.1%	7	0.1%	5	0.1%	23	0.4%	9	0.2%
SONOMA	5,685	5,467	96.2%	18	0.3%	98	1.7%	64	1.1%	38	0.7%
STANISLAUS	8,904	8,710	97.8%	13	0.1%	31	0.3%	29	0.3%	121	1.4%
SUTTER	1,988	1,649	82.9%	1	0.1%	7	0.4%	326	16.4%	5	0.3%
TEHAMA	898	876	97.6%	2	0.2%	8	0.9%	7	0.8%	5	0.6%
TRINITY	139	126	90.6%	2	1.4%	8	5.8%	3	2.2%	0	0.0%
TULARE	8,422	8,334	99.0%	4	0.0%	11	0.1%	65	0.8%	8	0.1%
TUOLUMNE	499	455	91.2%	8	1.6%	11	2.2%	18	3.6%	7	1.4%
VENTURA	11,518	11,267	97.8%	12	0.1%	68	0.6%	128	1.1%	43	0.4%
YOLO	2,482	2,427	97.8%	9	0.4%	8	0.3%	6	0.2%	32	1.3%
YUBA	1,186	1,150	97.0%	0	0.0%	1	0.1%	17	1.4%	18	1.5%

† 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 Tdap immunization.

\* County reporting fewer than 20 children in 7th grade.

\*\* Number of children corresponds to percentage range indicated in the column to the right. Additional precautions for student de-identification based on school enrollment.



7TH GRADE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018  
TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2017-2018 AND 2016-2017,  
BY COUNTY

	SCHOOL YEAR	TOTAL STUDENTS	ENTRANTS WITH TDAP VACCINE	CONDITIONAL ENTRANTS	ENTRANTS WITH PME	OTHERS LACKING TDAP VACCINE†	OVERDUE FOR TDAP VACCINE^
		NUMBER	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
STATE TOTAL	2017-18	512,832	97.9%	0.1%	0.4%	0.9%	0.6%
	2016-17	497,423	98.4%	0.1%	0.4%	0.8%	0.4%
ALAMEDA	2017-18	19,077	98.6%	0.1%	0.2%	0.2%	0.9%
	2016-17	18,436	98.8%	0.1%	0.1%	0.2%	0.8%
ALPINE	2017-18	9	--*	--*	--*	--*	--*
	2016-17	10	--*	--*	--*	--*	--*
AMADOR	2017-18	336	97.9%	0.0%	0.6%	0.3%	1.2%
	2016-17	296	96.3%	0.0%	2.0%	1.7%	0.0%
BUTTE	2017-18	2,431	96.6%	0.6%	0.5%	2.1%	0.1%
	2016-17	2,477	96.3%	0.2%	0.6%	1.8%	1.1%
CALAVERAS	2017-18	439	91.1%	0.9%	0.7%	7.1%	0.2%
	2016-17	433	93.5%	0.0%	0.9%	5.1%	0.5%
COLUSA	2017-18	471	99.6%	0.0%	0.0%	0.4%	0.0%
	2016-17	269	98.5%	0.4%	0.0%	0.0%	1.1%
CONTRA COSTA	2017-18	14,825	98.2%	0.1%	0.3%	0.5%	0.9%
	2016-17	15,006	99.2%	0.2%	0.2%	0.2%	0.2%
DEL NORTE	2017-18	333	97.3%	1.5%	0.3%	0.9%	0.0%
	2016-17	319	96.9%	0.3%	0.9%	0.9%	0.9%
EL DORADO	2017-18	2,296	95.3%	0.5%	1.3%	2.8%	0.1%
	2016-17	2,274	98.1%	0.4%	1.0%	0.3%	0.1%
FRESNO	2017-18	16,387	98.8%	0.1%	0.2%	0.8%	0.2%
	2016-17	16,262	99.3%	0.0%	0.2%	0.4%	0.1%
GLENN	2017-18	462	99.8%	0.2%	0.0%	0.0%	0.0%
	2016-17	404	99.5%	0.0%	0.0%	0.2%	0.2%
HUMBOLDT	2017-18	1,481	93.5%	0.7%	2.3%	2.4%	1.1%
	2016-17	1,394	94.8%	0.5%	0.9%	1.9%	1.9%
IMPERIAL	2017-18	3,321	99.3%	0.1%	0.0%	0.3%	0.2%
	2016-17	2,906	99.0%	0.0%	0.2%	0.1%	0.7%
INYO	2017-18	210	≥99.5%	≤0.5%	0.0%	0.0%	0.0%
	2016-17	231	≥99.5%	≤0.5%	0.0%	0.0%	0.0%
KERN	2017-18	14,786	96.9%	0.1%	0.3%	0.5%	2.3%
	2016-17	13,845	97.6%	0.0%	0.3%	1.7%	0.4%

† 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 Tdap immunization.

\* County reporting fewer than 20 children in 7th grade.

7TH GRADE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018  
TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2017-2018 AND 2016-2017,  
BY COUNTY

	SCHOOL YEAR	TOTAL STUDENTS	ENTRANTS WITH TDAP VACCINE	CONDITIONAL ENTRANTS	ENTRANTS WITH PME	OTHERS LACKING TDAP VACCINE†	OVERDUE FOR TDAP VACCINE^
		NUMBER	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
STATE TOTAL	2017-18	512,832	97.9%	0.1%	0.4%	0.9%	0.6%
	2016-17	497,423	98.4%	0.1%	0.4%	0.8%	0.4%
KINGS	2017-18	2,339	99.8%	0.0%	0.0%	0.0%	0.1%
	2016-17	2,155	99.4%	0.0%	0.2%	0.3%	0.1%
LAKE	2017-18	784	95.4%	0.6%	1.9%	1.4%	0.6%
	2016-17	615	98.2%	0.0%	0.5%	1.0%	0.3%
LASSEN	2017-18	286	97.6%	0.3%	0.3%	1.7%	0.0%
	2016-17	335	90.4%	0.0%	1.8%	7.8%	0.0%
LOS ANGELES	2017-18	122,266	98.2%	0.1%	0.3%	0.6%	0.7%
	2016-17	118,784	98.6%	0.1%	0.4%	0.5%	0.4%
MADERA	2017-18	2,420	97.9%	0.0%	0.1%	0.5%	1.5%
	2016-17	2,441	97.7%	0.2%	0.4%	0.7%	1.0%
MARIN	2017-18	3,190	97.8%	0.3%	1.1%	0.3%	0.5%
	2016-17	3,320	97.8%	0.3%	1.1%	0.2%	0.6%
MARIPOSA	2017-18	143	96.5%	0.7%	1.4%	1.4%	0.0%
	2016-17	10	--*	--*	--*	--*	--*
MENDOCINO	2017-18	1,099	95.8%	0.2%	1.2%	1.5%	1.4%
	2016-17	1,003	95.3%	0.5%	2.0%	1.0%	1.2%
MERCED	2017-18	5,113	99.1%	0.0%	0.1%	0.5%	0.2%
	2016-17	4,402	99.3%	0.2%	0.0%	0.3%	0.2%
MODOC	2017-18	101	≥99.0%	≤1.0%	0.0%	0.0%	0.0%
	2016-17	119	≥99.0%	≤1.0%	0.0%	0.0%	0.0%
MONO	2017-18	131	97.7%	2.3%	0.0%	0.0%	0.0%
	2016-17	127	99.2%	0.0%	0.0%	0.0%	0.8%
MONTEREY	2017-18	6,344	99.1%	0.1%	0.4%	0.3%	0.1%
	2016-17	3,649	99.5%	0.1%	0.3%	0.1%	0.1%
NAPA	2017-18	1,814	97.4%	0.1%	0.6%	1.7%	0.3%
	2016-17	1,809	95.6%	0.3%	1.2%	2.6%	0.2%
NEVADA	2017-18	797	88.5%	1.6%	3.0%	6.3%	0.6%
	2016-17	801	90.5%	1.2%	3.4%	4.9%	0.0%
ORANGE	2017-18	41,114	98.2%	0.2%	0.6%	0.8%	0.3%
	2016-17	41,395	98.2%	0.2%	0.6%	0.7%	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 Tdap immunization.

\* County reporting fewer than 20 children in 7th grade.

7TH GRADE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018  
TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2017-2018 AND 2016-2017,  
BY COUNTY

	SCHOOL YEAR	TOTAL STUDENTS	ENTRANTS WITH TDAP VACCINE	CONDITIONAL ENTRANTS	ENTRANTS WITH PME	OTHERS LACKING TDAP VACCINE†	OVERDUE FOR TDAP VACCINE^
		NUMBER	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
STATE TOTAL	2017-18	512,832	97.9%	0.1%	0.4%	0.9%	0.6%
	2016-17	497,423	98.4%	0.1%	0.4%	0.8%	0.4%
PLACER	2017-18	5,953	96.7%	0.3%	1.0%	1.6%	0.3%
	2016-17	5,809	96.7%	0.2%	0.8%	1.8%	0.5%
PLUMAS	2017-18	213	94.8%	0.9%	1.9%	2.3%	0.0%
	2016-17	133	94.7%	0.8%	3.0%	1.5%	0.0%
RIVERSIDE	2017-18	34,483	98.8%	0.1%	0.3%	0.6%	0.3%
	2016-17	34,047	99.1%	0.0%	0.3%	0.5%	0.1%
SACRAMENTO	2017-18	19,823	97.0%	0.3%	0.4%	2.1%	0.2%
	2016-17	19,447	97.9%	0.2%	0.3%	1.3%	0.3%
SAN BENITO	2017-18	904	99.3%	0.0%	0.4%	0.0%	0.2%
	2016-17	863	99.4%	0.3%	0.0%	0.0%	0.2%
SAN BERNARDINO	2017-18	32,431	98.3%	0.0%	0.2%	1.3%	0.2%
	2016-17	30,251	98.5%	0.1%	0.2%	0.9%	0.3%
SAN DIEGO	2017-18	41,440	96.9%	0.2%	0.7%	1.2%	1.1%
	2016-17	41,206	97.8%	0.1%	0.7%	1.2%	0.2%
SAN FRANCISCO	2017-18	6,025	94.9%	0.1%	0.3%	0.5%	4.1%
	2016-17	6,093	97.3%	0.2%	0.3%	0.1%	2.1%
SAN JOAQUIN	2017-18	12,097	98.8%	0.0%	0.2%	0.8%	0.2%
	2016-17	11,727	98.5%	0.0%	0.3%	1.0%	0.3%
SAN LUIS OBISPO	2017-18	3,132	97.5%	0.2%	1.1%	0.8%	0.4%
	2016-17	2,900	98.3%	0.2%	0.4%	0.3%	0.8%
SAN MATEO	2017-18	8,512	98.3%	0.1%	0.4%	0.0%	1.2%
	2016-17	8,609	99.1%	0.1%	0.4%	0.2%	0.2%
SANTA BARBARA	2017-18	6,163	98.7%	0.1%	0.5%	0.6%	0.1%
	2016-17	5,697	98.7%	0.3%	0.4%	0.5%	0.1%
SANTA CLARA	2017-18	23,987	98.9%	0.1%	0.4%	0.2%	0.3%
	2016-17	24,129	99.1%	0.1%	0.3%	0.2%	0.3%
SANTA CRUZ	2017-18	3,416	92.5%	0.1%	2.0%	4.9%	0.6%
	2016-17	3,551	94.7%	0.3%	0.9%	3.8%	0.3%
SHASTA	2017-18	2,086	94.6%	1.2%	1.0%	2.0%	1.2%
	2016-17	1,994	95.2%	0.6%	1.2%	2.7%	0.4%

† 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 Tdap immunization.

\* County reporting fewer than 20 children in 7th grade.

7TH GRADE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018  
TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2017-2018 AND 2016-2017,  
BY COUNTY

	SCHOOL YEAR	TOTAL STUDENTS	ENTRANTS WITH TDAP VACCINE	CONDITIONAL ENTRANTS	ENTRANTS WITH PME	OTHERS LACKING TDAP VACCINE†	OVERDUE FOR TDAP VACCINE^
		NUMBER	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
STATE TOTAL	2017-18	512,832	97.9%	0.1%	0.4%	0.9%	0.6%
	2016-17	497,423	98.4%	0.1%	0.4%	0.8%	0.4%
SIERRA	2017-18	27	≥95.0%	≤5.0%	0.0%	0.0%	0.0%
	2016-17	28	≥95.0%	≤5.0%	0.0%	0.0%	0.0%
SISKIYOU	2017-18	479	92.1%	0.8%	0.4%	6.5%	0.2%
	2016-17	434	96.8%	0.0%	0.0%	2.8%	0.5%
SOLANO	2017-18	5,135	99.1%	0.1%	0.1%	0.4%	0.2%
	2016-17	5,060	99.3%	0.0%	0.2%	0.1%	0.4%
SONOMA	2017-18	5,685	96.2%	0.3%	1.7%	1.1%	0.7%
	2016-17	5,881	97.2%	0.2%	1.4%	1.0%	0.2%
STANISLAUS	2017-18	8,904	97.8%	0.1%	0.3%	0.3%	1.4%
	2016-17	7,697	97.9%	0.2%	0.3%	0.4%	1.2%
SUTTER	2017-18	1,988	82.9%	0.1%	0.4%	16.4%	0.3%
	2016-17	1,802	85.3%	0.1%	0.6%	13.7%	0.3%
TEHAMA	2017-18	898	97.6%	0.2%	0.9%	0.8%	0.6%
	2016-17	807	98.6%	0.1%	1.0%	0.1%	0.1%
TRINITY	2017-18	139	90.6%	1.4%	5.8%	2.2%	0.0%
	2016-17	109	91.7%	2.8%	1.8%	2.8%	0.9%
TULARE	2017-18	8,422	99.0%	0.0%	0.1%	0.8%	0.1%
	2016-17	8,240	99.5%	0.0%	0.0%	0.4%	0.1%
TUOLUMNE	2017-18	499	91.2%	1.6%	2.2%	3.6%	1.4%
	2016-17	474	91.8%	0.0%	2.1%	4.2%	1.9%
VENTURA	2017-18	11,518	97.8%	0.1%	0.6%	1.1%	0.4%
	2016-17	11,471	98.5%	0.0%	0.5%	0.8%	0.1%
YOLO	2017-18	2,482	97.8%	0.4%	0.3%	0.2%	1.3%
	2016-17	2,438	99.1%	0.2%	0.4%	0.2%	0.2%
YUBA	2017-18	1,186	97.0%	0.0%	0.1%	1.4%	1.5%
	2016-17	999	98.6%	0.0%	0.1%	0.8%	0.5%

† 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 Tdap immunization.

\* County reporting fewer than 20 children in 7th grade.

7TH GRADE ASSESSMENT - CALIFORNIA, 2017-2018

TABLE 5: NUMBER AND PERCENTAGE OF STUDENTS WITH TDAP VACCINE IN 2017-2018 AND 2016-2017,  
AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	ENTRANTS WITH TDAP VACCINE	PERCENT	TOTAL STUDENTS	ENTRANTS WITH TDAP VACCINE	PERCENT	PERCENT	ENTRANTS WITH TDAP VACCINE
STATE TOTAL	512,832	502,131	97.9%	497,423	489,281	98.4%	-0.4%	12,850
COUNTY								
ALAMEDA	19,077	18,818	98.6%	18,436	18,218	98.8%	-0.2%	600
ALPINE	9	<20*	--*	8	<20*	--*	--*	--*
AMADOR	336	329	97.9%	296	285	96.3%	1.6%	44
BUTTE	2,431	2,349	96.6%	2,477	2,385	96.3%	0.3%	-36
CALAVERAS	439	400	91.1%	433	405	93.5%	-2.4%	-5
COLUSA	471	469	99.6%	269	265	98.5%	1.1%	204
CONTRA COSTA	14,825	14,564	98.2%	15,006	14,892	99.2%	-1.0%	-328
DEL NORTE	333	324	97.3%	319	309	96.9%	0.4%	15
EL DORADO	2,296	2,189	95.3%	2,274	2,231	98.1%	-2.8%	-42
FRESNO	16,387	16,185	98.8%	16,262	16,141	99.3%	-0.5%	44
GLENN	462	461	99.8%	404	402	99.5%	0.3%	59
HUMBOLDT	1,481	1,385	93.5%	1,394	1,321	94.8%	-1.2%	64
IMPERIAL	3,321	3,299	99.3%	2,906	2,877	99.0%	0.3%	422
INYO	210	--**	≥99.5%	231	--**	≥99.5%	--**	--**
KERN	14,786	14,324	96.9%	13,845	13,507	97.6%	-0.7%	817
KINGS	2,339	2,335	99.8%	2,155	2,141	99.4%	0.5%	194
LAKE	784	748	95.4%	615	604	98.2%	-2.8%	144
LASSEN	286	279	97.6%	335	303	90.4%	7.1%	-24
LOS ANGELES	122,266	120,123	98.2%	118,784	117,169	98.6%	-0.4%	2,954
MADERA	2,420	2,368	97.9%	2,441	2,386	97.7%	0.1%	-18
MARIN	3,190	3,120	97.8%	3,320	3,247	97.8%	0.0%	-127
MARIPOSA	143	138	96.5%	10	9	90.0%	6.5%	129
MENDOCINO	1,099	1,053	95.8%	1,003	956	95.3%	0.5%	97
MERCED	5,113	5,069	99.1%	4,402	4,372	99.3%	-0.2%	697
MODOC	101	--**	≥99.0%	119	--**	≥99.0%	--**	--**
MONO	131	128	97.7%	127	126	99.2%	-1.5%	2
MONTEREY	6,344	6,287	99.1%	3,649	3,630	99.5%	-0.4%	2,657
NAPA	1,814	1,766	97.4%	1,809	1,730	95.6%	1.7%	36
NEVADA	797	705	88.5%	801	725	90.5%	-2.1%	-20

\* County reporting fewer than 20 children in 7th grade.

\*\* Number of children corresponds to percentage range indicated in the column to the right. Additional precautions for student de-identification based on school enrollment.

7TH GRADE ASSESSMENT - CALIFORNIA, 2017-2018

TABLE 5: NUMBER AND PERCENTAGE OF STUDENTS WITH TDAP VACCINE IN 2017-2018 AND 2016-2017,  
AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	ENTRANTS WITH TDAP VACCINE	PERCENT	TOTAL STUDENTS	ENTRANTS WITH TDAP VACCINE	PERCENT	PERCENT	ENTRANTS WITH TDAP VACCINE
STATE TOTAL	512,832	502,131	97.9%	497,423	489,281	98.4%	-0.4%	12,850
COUNTY								
ORANGE	41,114	40,359	98.2%	41,395	40,668	98.2%	-0.1%	-309
PLACER	5,953	5,759	96.7%	5,809	5,620	96.7%	0.0%	139
PLUMAS	213	202	94.8%	133	126	94.7%	0.1%	76
RIVERSIDE	34,483	34,058	98.8%	34,047	33,731	99.1%	-0.3%	327
SACRAMENTO	19,823	19,237	97.0%	19,447	19,039	97.9%	-0.9%	198
SAN BENITO	904	898	99.3%	863	858	99.4%	-0.1%	40
SAN BERNARDINO	32,431	31,882	98.3%	30,251	29,805	98.5%	-0.2%	2,077
SAN DIEGO	41,440	40,148	96.9%	41,206	40,306	97.8%	-0.9%	-158
SAN FRANCISCO	6,025	5,716	94.9%	6,093	5,926	97.3%	-2.4%	-210
SAN JOAQUIN	12,097	11,947	98.8%	11,727	11,546	98.5%	0.3%	401
SAN LUIS OBISPO	3,132	3,054	97.5%	2,900	2,851	98.3%	-0.8%	203
SAN MATEO	8,512	8,366	98.3%	8,609	8,535	99.1%	-0.9%	-169
SANTA BARBARA	6,163	6,082	98.7%	5,697	5,623	98.7%	0.0%	459
SANTA CLARA	23,987	23,735	98.9%	24,129	23,900	99.1%	-0.1%	-165
SANTA CRUZ	3,416	3,159	92.5%	3,551	3,362	94.7%	-2.2%	-203
SHASTA	2,086	1,974	94.6%	1,994	1,899	95.2%	-0.6%	75
SIERRA	27	--**	≥95.0%	28	--**	≥95.0%	--**	--**
SISKIYOU	479	441	92.1%	434	420	96.8%	-4.7%	21
SOLANO	5,135	5,091	99.1%	5,060	5,027	99.3%	-0.2%	64
SONOMA	5,685	5,467	96.2%	5,881	5,714	97.2%	-1.0%	-247
STANISLAUS	8,904	8,710	97.8%	7,697	7,539	97.9%	-0.1%	1,171
SUTTER	1,988	1,649	82.9%	1,802	1,538	85.3%	-2.4%	111
TEHAMA	898	876	97.6%	807	796	98.6%	-1.1%	80
TRINITY	139	126	90.6%	109	100	91.7%	-1.1%	26
TULARE	8,422	8,334	99.0%	8,240	8,196	99.5%	-0.5%	138
TUOLUMNE	499	455	91.2%	474	435	91.8%	-0.6%	20
VENTURA	11,518	11,267	97.8%	11,471	11,296	98.5%	-0.7%	-29
YOLO	2,482	2,427	97.8%	2,438	2,416	99.1%	-1.3%	11
YUBA	1,186	1,150	97.0%	999	985	98.6%	-1.6%	165

\* County reporting fewer than 20 children in 7th grade.

\*\* Number of children corresponds to percentage range indicated in the column to the right. Additional precautions for student de-identification based on school enrollment.

7TH GRADE ASSESSMENT - CALIFORNIA, 2017-2018

TABLE 6: NUMBER AND PERCENTAGE OF STUDENTS WITH A PERMANENT MEDICAL EXEMPTION (PME) IN 2017-2018 AND 2016-2017,  
AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	ENTRANTS WITH PME	PERCENT	TOTAL STUDENTS	ENTRANTS WITH PME	PERCENT	PERCENT	ENTRANTS WITH PME
STATE TOTAL	512,832	2,164	0.4%	497,423	2,049	0.4%	0.0%	115
COUNTY								
ALAMEDA	19,077	37	0.2%	18,436	25	0.1%	0.1%	12
ALPINE	9	<20*	--*	10	<20*	--*	--*	--*
AMADOR	336	2	0.6%	296	6	2.0%	-1.4%	-4
BUTTE	2,431	13	0.5%	2,477	15	0.6%	-0.1%	-2
CALAVERAS	439	3	0.7%	433	4	0.9%	-0.2%	-1
COLUSA	471	0	0.0%	269	0	0.0%	0.0%	0
CONTRA COSTA	14,825	50	0.3%	15,006	30	0.2%	0.1%	20
DEL NORTE	333	1	0.3%	319	3	0.9%	-0.6%	-2
EL DORADO	2,296	30	1.3%	2,274	23	1.0%	0.3%	7
FRESNO	16,387	34	0.2%	16,262	28	0.2%	0.0%	6
GLENN	462	0	0.0%	404	0	0.0%	0.0%	0
HUMBOLDT	1,481	34	2.3%	1,394	13	0.9%	1.4%	21
IMPERIAL	3,321	1	0.0%	2,906	6	0.2%	-0.2%	-5
INYO	210	0	0.0%	231	0	0.0%	0.0%	0
KERN	14,786	37	0.3%	13,845	48	0.3%	-0.1%	-11
KINGS	2,339	0	0.0%	2,155	4	0.2%	-0.2%	-4
LAKE	784	15	1.9%	615	3	0.5%	1.4%	12
LASSEN	286	1	0.3%	335	6	1.8%	-1.4%	-5
LOS ANGELES	122,266	394	0.3%	118,784	421	0.4%	0.0%	-27
MADERA	2,420	3	0.1%	2,441	9	0.4%	-0.2%	-6
MARIN	3,190	35	1.1%	3,320	37	1.1%	0.0%	-2
MARIPOSA	143	2	1.4%	10	1	10.0%	-8.6%	1
MENDOCINO	1,099	13	1.2%	1,003	20	2.0%	-0.8%	-7
MERCED	5,113	7	0.1%	4,402	1	0.0%	0.1%	6
MODOC	101	0	0.0%	119	0	0.0%	0.0%	0
MONO	131	0	0.0%	127	0	0.0%	0.0%	0
MONTEREY	6,344	25	0.4%	3,649	10	0.3%	0.1%	15
NAPA	1,814	10	0.6%	1,809	22	1.2%	-0.7%	-12
NEVADA	797	24	3.0%	801	27	3.4%	-0.4%	-3

\* County reporting fewer than 20 children in 7th grade.

7TH GRADE ASSESSMENT - CALIFORNIA, 2017-2018

TABLE 6: NUMBER AND PERCENTAGE OF STUDENTS WITH A PERMANENT MEDICAL EXEMPTION (PME) IN 2017-2018 AND 2016-2017,  
AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	ENTRANTS WITH PME	PERCENT	TOTAL STUDENTS	ENTRANTS WITH PME	PERCENT	PERCENT	ENTRANTS WITH PME
ORANGE	41,114	238	0.6%	41,395	255	0.6%	0.0%	-17
PLACER	5,953	58	1.0%	5,809	49	0.8%	0.1%	9
PLUMAS	213	4	1.9%	133	4	3.0%	-1.1%	0
RIVERSIDE	34,483	111	0.3%	34,047	96	0.3%	0.0%	15
SACRAMENTO	19,823	72	0.4%	19,447	66	0.3%	0.0%	6
SAN BENITO	904	4	0.4%	863	0	0.0%	0.4%	4
SAN BERNARDINO	32,431	50	0.2%	30,251	64	0.2%	-0.1%	-14
SAN DIEGO	41,440	270	0.7%	41,206	286	0.7%	0.0%	-16
SAN FRANCISCO	6,025	19	0.3%	6,093	20	0.3%	0.0%	-1
SAN JOAQUIN	12,097	24	0.2%	11,727	30	0.3%	-0.1%	-6
SAN LUIS OBISPO	3,132	35	1.1%	2,900	12	0.4%	0.7%	23
SAN MATEO	8,512	35	0.4%	8,609	37	0.4%	0.0%	-2
SANTA BARBARA	6,163	30	0.5%	5,697	25	0.4%	0.0%	5
SANTA CLARA	23,987	96	0.4%	24,129	74	0.3%	0.1%	22
SANTA CRUZ	3,416	68	2.0%	3,551	33	0.9%	1.1%	35
SHASTA	2,086	21	1.0%	1,994	23	1.2%	-0.1%	-2
SIERRA	27	0	0.0%	28	0	0.0%	0.0%	0
SISKIYOU	479	2	0.4%	434	0	0.0%	0.4%	2
SOLANO	5,135	5	0.1%	5,060	8	0.2%	-0.1%	-3
SONOMA	5,685	98	1.7%	5,881	81	1.4%	0.3%	17
STANISLAUS	8,904	31	0.3%	7,697	21	0.3%	0.1%	10
SUTTER	1,988	7	0.4%	1,802	10	0.6%	-0.2%	-3
TEHAMA	898	8	0.9%	807	8	1.0%	-0.1%	0
TRINITY	139	8	5.8%	109	2	1.8%	3.9%	6
TULARE	8,422	11	0.1%	8,240	4	0.0%	0.1%	7
TUOLUMNE	499	11	2.2%	474	10	2.1%	0.1%	1
VENTURA	11,518	68	0.6%	11,471	59	0.5%	0.1%	9
YOLO	2,482	8	0.3%	2,438	9	0.4%	0.0%	-1
YUBA	1,186	1	0.1%	999	1	0.1%	0.0%	0

\* County reporting fewer than 20 children in 7th grade.



7TH GRADE ASSESSMENT - CALIFORNIA, 2017-2018

TABLE 7: NUMBER AND PERCENTAGE OF OTHER STUDENTS LACKING TDAP VACCINE†, IN 2017-2018 AND 2016-2017,  
AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	OTHERS LACKING TDAP VACCINE†	PERCENT	TOTAL STUDENTS	OTHERS LACKING TDAP VACCINE†	PERCENT	PERCENT	OTHERS LACKING TDAP VACCINE†
STATE TOTAL	512,832	4,506	0.9%	497,423	3,747	0.8%	0.1%	759
COUNTY								
ALAMEDA	19,077	31	0.2%	18,436	31	0.2%	0.0%	0
ALPINE	9	<20*	--*	10	0	0.0%	--*	--*
AMADOR	336	1	0.3%	296	5	1.7%	-1.4%	-4
BUTTE	2,431	52	2.1%	2,477	44	1.8%	0.4%	8
CALAVERAS	439	31	7.1%	433	22	5.1%	2.0%	9
COLUSA	471	2	0.4%	269	0	0.0%	0.4%	2
CONTRA COSTA	14,825	67	0.5%	15,006	28	0.2%	0.3%	39
DEL NORTE	333	3	0.9%	319	3	0.9%	0.0%	0
EL DORADO	2,296	64	2.8%	2,274	7	0.3%	2.5%	57
FRESNO	16,387	124	0.8%	16,262	67	0.4%	0.3%	57
GLENN	462	0	0.0%	404	1	0.2%	-0.2%	-1
HUMBOLDT	1,481	36	2.4%	1,394	27	1.9%	0.5%	9
IMPERIAL	3,321	10	0.3%	2,906	4	0.1%	0.2%	6
INYO	210	0	0.0%	231	0	0.0%	0.0%	0
KERN	14,786	77	0.5%	13,845	231	1.7%	-1.1%	-154
KINGS	2,339	1	0.0%	2,155	7	0.3%	-0.3%	-6
LAKE	784	11	1.4%	615	6	1.0%	0.4%	5
LASSEN	286	5	1.7%	335	26	7.8%	-6.0%	-21
LOS ANGELES	122,266	711	0.6%	118,784	596	0.5%	0.1%	115
MADERA	2,420	11	0.5%	2,441	17	0.7%	-0.2%	-6
MARIN	3,190	10	0.3%	3,320	6	0.2%	0.1%	4
MARIPOSA	143	2	1.4%	10	0	0.0%	1.4%	2
MENDOCINO	1,099	16	1.5%	1,003	10	1.0%	0.5%	6
MERCED	5,113	27	0.5%	4,402	12	0.3%	0.3%	15
MODOC	101	0	0.0%	119	0	0.0%	0.0%	0
MONO	131	0	0.0%	127	0	0.0%	0.0%	0
MONTEREY	6,344	19	0.3%	3,649	2	0.1%	0.2%	17
NAPA	1,814	31	1.7%	1,809	47	2.6%	-0.9%	-16
NEVADA	797	50	6.3%	801	39	4.9%	1.4%	11

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

\* County reporting fewer than 20 children in 7th grade.

7TH GRADE ASSESSMENT - CALIFORNIA, 2017-2018

TABLE 7: NUMBER AND PERCENTAGE OF OTHER STUDENTS LACKING TDAP VACCINE†, IN 2017-2018 AND 2016-2017,  
AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	OTHERS LACKING TDAP VACCINE†	PERCENT	TOTAL STUDENTS	OTHERS LACKING TDAP VACCINE†	PERCENT	PERCENT	OTHERS LACKING TDAP VACCINE†
ORANGE	41,114	331	0.8%				0.8%	331
PLACER	5,953	98	1.6%	41,395	295	0.7%	0.9%	-197
PLUMAS	213	5	2.3%	5,809	102	1.8%	0.6%	-97
RIVERSIDE	34,483	201	0.6%	133	2	1.5%	-0.9%	199
SACRAMENTO	19,823	414	2.1%	34,047	166	0.5%	1.6%	248
SAN BENITO	904	0	0.0%	19,447	261	1.3%	-1.3%	-261
SAN BERNARDINO	32,431	406	1.3%	863	0	0.0%	1.3%	406
SAN DIEGO	41,440	479	1.2%	30,251	275	0.9%	0.2%	204
SAN FRANCISCO	6,025	33	0.5%	41,206	478	1.2%	-0.6%	-445
SAN JOAQUIN	12,097	93	0.8%	6,093	5	0.1%	0.7%	88
SAN LUIS OBISPO	3,132	26	0.8%	11,727	115	1.0%	-0.2%	-89
SAN MATEO	8,512	3	0.0%	2,900	8	0.3%	-0.2%	-5
SANTA BARBARA	6,163	39	0.6%	8,609	16	0.2%	0.4%	23
SANTA CLARA	23,987	59	0.2%	5,697	30	0.5%	-0.3%	29
SANTA CRUZ	3,416	168	4.9%	24,129	48	0.2%	4.7%	120
SHASTA	2,086	42	2.0%	3,551	134	3.8%	-1.8%	-92
SIERRA	27	0	0.0%	1,994	53	2.7%	-2.7%	-53
SISKIYOU	479	31	6.5%	28	0	0.0%	6.5%	31
SOLANO	5,135	23	0.4%	434	12	2.8%	-2.3%	11
SONOMA	5,685	64	1.1%	5,060	7	0.1%	1.0%	57
STANISLAUS	8,904	29	0.3%	5,881	60	1.0%	-0.7%	-31
SUTTER	1,988	326	16.4%	7,697	34	0.4%	16.0%	292
TEHAMA	898	7	0.8%	1,802	247	13.7%	-12.9%	-240
TRINITY	139	3	2.2%	807	1	0.1%	2.0%	2
TULARE	8,422	65	0.8%	109	3	2.8%	-2.0%	62
TUOLUMNE	499	18	3.6%	8,240	31	0.4%	3.2%	-13
VENTURA	11,518	128	1.1%	474	20	4.2%	-3.1%	108
YOLO	2,482	6	0.2%	11,471	94	0.8%	-0.6%	-88
YUBA	1,186	17	1.4%	2,438	4	0.2%	1.3%	13

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

\* County reporting fewer than 20 children in 7th grade.

7TH GRADE ASSESSMENT - CALIFORNIA, 2017-2018

TABLE 8: NUMBER AND PERCENTAGE OF OTHER STUDENTS LACKING TDAP VACCINE† IN 2017-2018,  
BY SUBGROUP AND COUNTY

	TOTAL STUDENTS	OTHERS LACKING TDAP VACCINE†		OTHERS LACKING TDAP VACCINE†					
				INDEPENDENT STUDY		IEP SERVICES		HOME-BASED PRIVATE SCHOOL	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	512,832	4,506	0.9%	2,255	0.4%	1,495	0.3%	756	0.1%
COUNTY									
ALAMEDA	19,077	31	0.2%	0	0.0%	30	0.2%	1	0.0%
ALPINE	9	<20*	--*	<20*	--*	<20*	--*	<20*	--*
AMADOR	336	1	0.3%	0	0.0%	1	0.3%	0	0.0%
BUTTE	2,431	52	2.1%	39	1.6%	12	0.5%	1	0.0%
CALAVERAS	439	31	7.1%	19	4.3%	12	2.7%	0	0.0%
COLUSA	471	2	0.4%	0	0.0%	0	0.0%	2	0.4%
CONTRA COSTA	14,825	67	0.5%	29	0.2%	26	0.2%	12	0.1%
DEL NORTE	333	3	0.9%	1	0.3%	2	0.6%	0	0.0%
EL DORADO	2,296	64	2.8%	55	2.4%	9	0.4%	0	0.0%
FRESNO	16,387	124	0.8%	83	0.5%	22	0.1%	19	0.1%
GLENN	462	0	0.0%	0	0.0%	0	0.0%	0	0.0%
HUMBOLDT	1,481	36	2.4%	28	1.9%	6	0.4%	2	0.1%
IMPERIAL	3,321	10	0.3%	0	0.0%	10	0.3%	0	0.0%
INYO	210	0	0.0%	0	0.0%	0	0.0%	0	0.0%
KERN	14,786	77	0.5%	6	0.0%	51	0.3%	20	0.1%
KINGS	2,339	1	0.0%	0	0.0%	1	0.0%	0	0.0%
LAKE	784	11	1.4%	7	0.9%	4	0.5%	0	0.0%
LASSEN	286	5	1.7%	4	1.4%	1	0.3%	0	0.0%
LOS ANGELES	122,266	711	0.6%	196	0.2%	396	0.3%	119	0.1%
MADERA	2,420	11	0.5%	11	0.5%	0	0.0%	0	0.0%
MARIN	3,190	10	0.3%	0	0.0%	10	0.3%	0	0.0%
MARIPOSA	143	2	1.4%	2	1.4%	0	0.0%	0	0.0%
MENDOCINO	1,099	16	1.5%	8	0.7%	8	0.7%	0	0.0%
MERCED	5,113	27	0.5%	13	0.3%	13	0.3%	1	0.0%
MODOC	101	0	0.0%	0	0.0%	0	0.0%	0	0.0%
MONO	131	0	0.0%	0	0.0%	0	0.0%	0	0.0%
MONTEREY	6,344	19	0.3%	1	0.0%	2	0.0%	16	0.3%
NAPA	1,814	31	1.7%	5	0.3%	2	0.1%	24	1.3%
NEVADA	797	50	6.3%	44	5.5%	6	0.8%	0	0.0%

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

\* County reporting fewer than 20 children in 7th grade.

7TH GRADE ASSESSMENT - CALIFORNIA, 2017-2018

TABLE 8: NUMBER AND PERCENTAGE OF OTHER STUDENTS LACKING TDAP VACCINE† IN 2017-2018,  
BY SUBGROUP AND COUNTY

	TOTAL STUDENTS	OTHERS LACKING TDAP VACCINE†		OTHERS LACKING TDAP VACCINE†					
				INDEPENDENT STUDY		IEP SERVICES		HOME-BASED PRIVATE SCHOOL	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	512,832	4,506	0.9%	2,255	0.4%	1,495	0.3%	756	0.1%
COUNTY									
ORANGE	41,114	331	0.8%	137	0.3%	144	0.4%	50	0.1%
PLACER	5,953	98	1.6%	67	1.1%	31	0.5%	0	0.0%
PLUMAS	213	5	2.3%	5	2.3%	0	0.0%	0	0.0%
RIVERSIDE	34,483	201	0.6%	122	0.4%	48	0.1%	31	0.1%
SACRAMENTO	19,823	414	2.1%	255	1.3%	134	0.7%	25	0.1%
SAN BENITO	904	0	0.0%	0	0.0%	0	0.0%	0	0.0%
SAN BERNARDINO	32,431	406	1.3%	200	0.6%	107	0.3%	99	0.3%
SAN DIEGO	41,440	479	1.2%	224	0.5%	108	0.3%	147	0.4%
SAN FRANCISCO	6,025	33	0.5%	0	0.0%	33	0.5%	0	0.0%
SAN JOAQUIN	12,097	93	0.8%	53	0.4%	31	0.3%	9	0.1%
SAN LUIS OBISPO	3,132	26	0.8%	7	0.2%	12	0.4%	7	0.2%
SAN MATEO	8,512	3	0.0%	0	0.0%	3	0.0%	0	0.0%
SANTA BARBARA	6,163	39	0.6%	30	0.5%	6	0.1%	3	0.0%
SANTA CLARA	23,987	59	0.2%	2	0.0%	32	0.1%	25	0.1%
SANTA CRUZ	3,416	168	4.9%	138	4.0%	30	0.9%	0	0.0%
SHASTA	2,086	42	2.0%	24	1.2%	13	0.6%	5	0.2%
SIERRA	27	0	0.0%	0	0.0%	0	0.0%	0	0.0%
SISKIYOU	479	31	6.5%	29	6.1%	1	0.2%	1	0.2%
SOLANO	5,135	23	0.4%	9	0.2%	13	0.3%	1	0.0%
SONOMA	5,685	64	1.1%	6	0.1%	9	0.2%	49	0.9%
STANISLAUS	8,904	29	0.3%	0	0.0%	20	0.2%	9	0.1%
SUTTER	1,988	326	16.4%	284	14.3%	28	1.4%	14	0.7%
TEHAMA	898	7	0.8%	7	0.8%	0	0.0%	0	0.0%
TRINITY	139	3	2.2%	0	0.0%	3	2.2%	0	0.0%
TULARE	8,422	65	0.8%	33	0.4%	25	0.3%	7	0.1%
TUOLUMNE	499	18	3.6%	12	2.4%	4	0.8%	2	0.4%
VENTURA	11,518	128	1.1%	46	0.4%	27	0.2%	55	0.5%
YOLO	2,482	6	0.2%	2	0.1%	4	0.2%	0	0.0%
YUBA	1,186	17	1.4%	12	1.0%	5	0.4%	0	0.0%

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

\* County reporting fewer than 20 children in 7th grade.

## 7TH GRADE ASSESSMENT - CALIFORNIA, 2017-2018

TABLE 9: NUMBER AND PERCENTAGE OF ENTRANTS OVERDUE FOR TDAP VACCINE^ IN 2017-2018 AND 2016-2017,  
AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	OVERDUE FOR TDAP VACCINE^	PERCENT	TOTAL STUDENTS	OVERDUE FOR TDAP VACCINE^	PERCENT	PERCENT	OVERDUE FOR TDAP VACCINE^
STATE TOTAL	512,832	3,281	0.6%	497,423	1,805	0.4%	0.3%	1,476
COUNTY								
ALAMEDA	19,077	169	0.9%	18,436	146	0.8%	0.1%	23
ALPINE	9	<20*	--*	10	<20*	--*	--*	--*
AMADOR	336	4	1.2%	296	0	0.0%	1.2%	4
BUTTE	2,431	3	0.1%	2,477	28	1.1%	-1.0%	-25
CALAVERAS	439	1	0.2%	433	2	0.5%	-0.2%	-1
COLUSA	471	0	0.0%	269	3	1.1%	-1.1%	-3
CONTRA COSTA	14,825	129	0.9%	15,006	30	0.2%	0.7%	99
DEL NORTE	333	0	0.0%	319	3	0.9%	-0.9%	-3
EL DORADO	2,296	2	0.1%	2,274	3	0.1%	0.0%	-1
FRESNO	16,387	34	0.2%	16,262	18	0.1%	0.1%	16
GLENN	462	0	0.0%	404	1	0.2%	-0.2%	-1
HUMBOLDT	1,481	16	1.1%	1,394	26	1.9%	-0.8%	-10
IMPERIAL	3,321	8	0.2%	2,906	19	0.7%	-0.4%	-11
INYO	210	0	0.0%	231	0	0.0%	0.0%	0
KERN	14,786	333	2.3%	13,845	56	0.4%	1.8%	277
KINGS	2,339	2	0.1%	2,155	2	0.1%	0.0%	0
LAKE	784	5	0.6%	615	2	0.3%	0.3%	3
LASSEN	286	0	0.0%	335	0	0.0%	0.0%	0
LOS ANGELES	122,266	894	0.7%	118,784	514	0.4%	0.3%	380
MADERA	2,420	37	1.5%	2,441	25	1.0%	0.5%	12
MARIN	3,190	15	0.5%	3,320	21	0.6%	-0.2%	-6
MARIPOSA	143	0	0.0%	10	0	0.0%	0.0%	0
MENDOCINO	1,099	15	1.4%	1,003	12	1.2%	0.2%	3
MERCED	5,113	8	0.2%	4,402	10	0.2%	-0.1%	-2
MODOC	101	0	0.0%	119	0	0.0%	0.0%	0
MONO	131	0	0.0%	127	1	0.8%	-0.8%	-1
MONTEREY	6,344	7	0.1%	3,649	3	0.1%	0.0%	4
NAPA	1,814	5	0.3%	1,809	4	0.2%	0.1%	1
NEVADA	797	5	0.6%	801	0	0.0%	0.6%	5

^ Overdue for Tdap immunization.

\* County reporting fewer than 20 children in 7th grade.

7TH GRADE ASSESSMENT - CALIFORNIA, 2017-2018

TABLE 9: NUMBER AND PERCENTAGE OF ENTRANTS OVERDUE FOR TDAP VACCINE^ IN 2017-2018 AND 2016-2017,  
AND 1-YEAR CHANGE, BY COUNTY

	2017-2018			2016-2017			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	OVERDUE FOR TDAP VACCINE^	PERCENT	TOTAL STUDENTS	OVERDUE FOR TDAP VACCINE^	PERCENT	PERCENT	OVERDUE FOR TDAP VACCINE^
STATE TOTAL	512,832	3,281	0.6%	497,423	1,805	0.4%	0.3%	1,476
COUNTY								
ORANGE	41,114	107	0.3%	41,395	108	0.3%	0.0%	-1
PLACER	5,953	18	0.3%	5,809	29	0.5%	-0.2%	-11
PLUMAS	213	0	0.0%	133	0	0.0%	0.0%	0
RIVERSIDE	34,483	87	0.3%	34,047	44	0.1%	0.1%	43
SACRAMENTO	19,823	36	0.2%	19,447	49	0.3%	-0.1%	-13
SAN BENITO	904	2	0.2%	863	2	0.2%	0.0%	0
SAN BERNARDINO	32,431	77	0.2%	30,251	84	0.3%	0.0%	-7
SAN DIEGO	41,440	466	1.1%	41,206	94	0.2%	0.9%	372
SAN FRANCISCO	6,025	248	4.1%	6,093	130	2.1%	2.0%	118
SAN JOAQUIN	12,097	27	0.2%	11,727	31	0.3%	0.0%	-4
SAN LUIS OBISPO	3,132	11	0.4%	2,900	24	0.8%	-0.5%	-13
SAN MATEO	8,512	102	1.2%	8,609	14	0.2%	1.0%	88
SANTA BARBARA	6,163	6	0.1%	5,697	3	0.1%	0.0%	3
SANTA CLARA	23,987	72	0.3%	24,129	75	0.3%	0.0%	-3
SANTA CRUZ	3,416	19	0.6%	3,551	10	0.3%	0.3%	9
SHASTA	2,086	24	1.2%	1,994	8	0.4%	0.7%	16
SIERRA	27	0	0.0%	28	0	0.0%	0.0%	0
SISKIYOU	479	1	0.2%	434	2	0.5%	-0.3%	-1
SOLANO	5,135	9	0.2%	5,060	18	0.4%	-0.2%	-9
SONOMA	5,685	38	0.7%	5,881	13	0.2%	0.4%	25
STANISLAUS	8,904	121	1.4%	7,697	89	1.2%	0.2%	32
SUTTER	1,988	5	0.3%	1,802	6	0.3%	-0.1%	-1
TEHAMA	898	5	0.6%	807	1	0.1%	0.4%	4
TRINITY	139	0	0.0%	109	1	0.9%	-0.9%	-1
TULARE	8,422	8	0.1%	8,240	5	0.1%	0.0%	3
TUOLUMNE	499	7	1.4%	474	9	1.9%	-0.5%	-2
VENTURA	11,518	43	0.4%	11,471	17	0.1%	0.2%	26
YOLO	2,482	32	1.3%	2,438	5	0.2%	1.1%	27
YUBA	1,186	18	1.5%	999	5	0.5%	1.0%	13

^ Overdue for Tdap immunization.

\* County reporting fewer than 20 children in 7th grade.