

## 2016-2017 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. For the 2016-2017 school year, Senate Bill (SB) 277 no longer permits entrants to receive such personal beliefs exemptions. During the 2015-2016 and 2016-2017 school years, many public health departments in California have increased their assistance to schools in implementing immunization requirements.

Compared to the 2015-2016 school year, the proportion of students attending 7<sup>th</sup> grade in 2016-2017 reported to have received the tetanus, diphtheria and pertussis (Tdap) booster immunization rose from 97.8% to 98.4%, a 0.6% percentage point increase over one year and a 1.8 percentage point increase over the three years since 2013-2014. The 2016-2017 rate of 98.4% is the highest reported Tdap booster requirement for 7<sup>th</sup> grade, which began in the 2011-2012 school year.

With the implementation of SB 277 and the cessation of PBEs for 7<sup>th</sup> graders, 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. The proportion of 7<sup>th</sup> graders reported with permanent medical exemptions increased from 0.1% to 0.4% in 2016-2017. 0.1% of 7<sup>th</sup> graders were reported as conditional entrants because of a temporary medical exemption. Another 0.8% of 7<sup>th</sup> graders 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 remained at 0.4% from 2015-2016 to 2016-2017.

Possible explanations for the improvements in the reported immunization coverage of 7<sup>th</sup> graders 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 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 2016-2017 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).

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).

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### Methods

During the autumn of 2016, California schools registered with the California Department of Education reported data on 7<sup>th</sup> graders in the 2016-2017 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, a category not specified in previous years.
- Students with a permanent medical exemption (PME) to Tdap immunization.
- 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.
- Students overdue for one or more required immunizations and subject to exclusion from school until the overdue requirements have been met.

Under SB 277, personal belief exemptions (PBEs) were no longer an option for 7<sup>th</sup> graders in 2016-2017.

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

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### Results

The number of 7<sup>th</sup> graders in California whose immunization status was reported increased marginally from 496,805 in the 2015-2016 school year to 497,423 in 2016-2017 (Table 1). The increase reflects reporting from public schools, as the number of students reported from private schools was 36,657 in 2015-2016 and 35,937 in 2016-2017. Between the 2015-2016 and 2016-2017 school years, the number of public schools that reported decreased from 2,909 to 2,791,

and the number of private schools increased from 1,692 to 1,712 (Tables 1 and 2). In 2016-2017 private schools account for 7% (35,937/497,423) of all 7th graders about whom data was reported, 38% (1,712/4,503) of all schools that reported data on 7th graders and 80% (433/541) of schools that did not report.

Figures 1-3 and 7 show trends for students in public and 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 497,423 7th graders whose schools reported their status, 489,281 (98.4%) have been immunized with Tdap, an increase from the previous school year of 0.6 percentage points and an increase over three school years of 1.8 percentage points (Table 1, Figures 1 and 4). Compared to the 2015-2016 school year, the percentage of students immunized with Tdap increased in 47 (81%) of 58 counties (Table 5). In 2016-2017, 10 (17%) of 58 counties in California report rates of 7th graders with Tdap as less than 95%, compared to 18 (31%) counties in 2015-2016 (Tables 3-5, Figure 7).

As in past years, a higher proportion of students in public compared to private schools were reported as being immunized with Tdap (98.6% vs. 95.0%; difference of 3.6 percentage points) (Table 1, Figures 5 and 6).

Conditional entrants: In 2016-2017, 0.1% of 7<sup>th</sup> graders were reported as conditional entrants because of a temporary medical exemption (Tables 1, 3).

PMEs: The percentage of students with PMEs increased from 0.1% in 2015-2016 to 0.4% in 2016-2017 (Tables 1 and 6, Figures 3 and 4). In public schools, the number of students reported with PMEs increased from 581 (0.1%) to 1,612 (0.3%) (Figure 5), while for private schools, the number of students increased from 119 (0.3%) to 437 (1.2%) (Figure 6).

Other students lacking required immunizations: In 2016-2017, 0.8% of 7th graders 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 7, Figure 4).

Overdue: The percentage of students reported as being overdue for one or more immunizations was 0.4% both in 2015-2016 and 2016-2017 (Tables 1 and 3, Figure 4). In public schools the number of students reported as overdue decreased from 1,399 (0.3%) to 1,217 (0.3%) (Figure 5). For private schools the number of students reported as overdue increased from 563 (1.5%) to 588 (1.6%) (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 increased by 0.6 of a percentage point from 98.2% in 2015-2016 to 98.8% in 2016-2017.

Conversely the sum of 7th graders reported as not having to complete the pertussis (Tdap) booster because of PMEs, PBEs (in 2015-2016 only), or for other criteria specified in SB 277 (in 2016-2017 only), decreased by 0.6 of a percentage point from 1.8% in 2015-2016 to 1.2% in

2016-2017; the combined rate for public schools decreased from 1.6% to 1.0% and for private schools from 3.7% to 2.9%.

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## Discussion

When comparing the 2016-2017 school year to 2015-2016, the proportion of students reported to enter 7<sup>th</sup> grade in California after being immunized with Tdap increased by 0.6 percentage points to 98.4%, following an increase by 1.2 percentage points between the 2013-2014 and 2015-2016 school years. The 2016-2017 rate of 98.4% is the highest reported to CDPH since Tdap became required for 7th graders in the 2011-2012 school year.

Possible explanations for the improvements in the reported immunization coverage 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.

Adolescents categorized at the beginning of the school year as overdue entrants have represented 0.4% of 7th graders reported both in 2016-2017 and 2015-2016. Ongoing efforts to educate schools and support immunization services might further reduce the number of children in these categories 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. In 2016-2017, 0.4% of 7th graders were reported with PME, and another 0.8% lacked required immunizations under other criteria introduced in SB 277. In sum, 1.2% of entrants were reported as not having had required immunizations because of PBEs (in 2015-2016), PME or other criteria related to SB 277 (in 2016-2017), a decrease from 1.8% in 2015-2016. Future assessments will follow the trends for these categories.

Despite the increases in reported immunization rates, adolescents who have not been immunized remain at higher risk of contracting vaccine-preventable diseases. In 2016-2017, 10 (17%) of 58 counties in California report rates of 7th graders who have received Tdap as less than 95%, compared to 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 current middle school and 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:

- 541 California schools that might have had students in 7<sup>th</sup> grade, including 433 private schools and 108 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 2016-2017

Figure 2. Percentage of 7th Grade Students with Personal Belief Exemptions (PBEs), by School Type and School Year, 2011-2012 to 2016-2017

Figure 3. Percentage of 7th Grade Students with Permanent Medical Exemptions (PMEs), by School Type and School Year, 2011-2012 to 2016-2017.

Figure 4. Percentage of All 7th Grade Students by Reported Admission Status by School Year, 2013-2014 to 2016-2017

Figure 5. Percentage of Public School 7th Grade Students by Reported Admission Status by School Year, 2015-2016 and 2016-2017

Figure 6. Percentage of Private School 7th Grade Students by Reported Admission Status by School Year, 2015-2016 and 2016-2017

Figure 7. Map: 7th Grade Students with 1 or More Doses of Tdap Vaccine, by County, 2015-2016 and 2016-2017 School Years

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**Tables**

Table 1. 7th Grade Immunization Assessment Summary, 2015-2016 and 2016-2017 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, 2016-2017 and 2015-2016, by County

Table 5. Number and Percentage of Students with 1 or More Doses of Tdap Vaccine in 2016-2017 and 2015-2016, and 1-Year Percentage Point Change, by County

Table 6. 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 7. Number and Percentage of Other Students Lacking Tdap Vaccine, by Subgroup and County

Table 8. Number and Percentage of Students with Overdue Status in 2016-2017 and 2015-2016, and 1-Year Percentage Point Change, by County

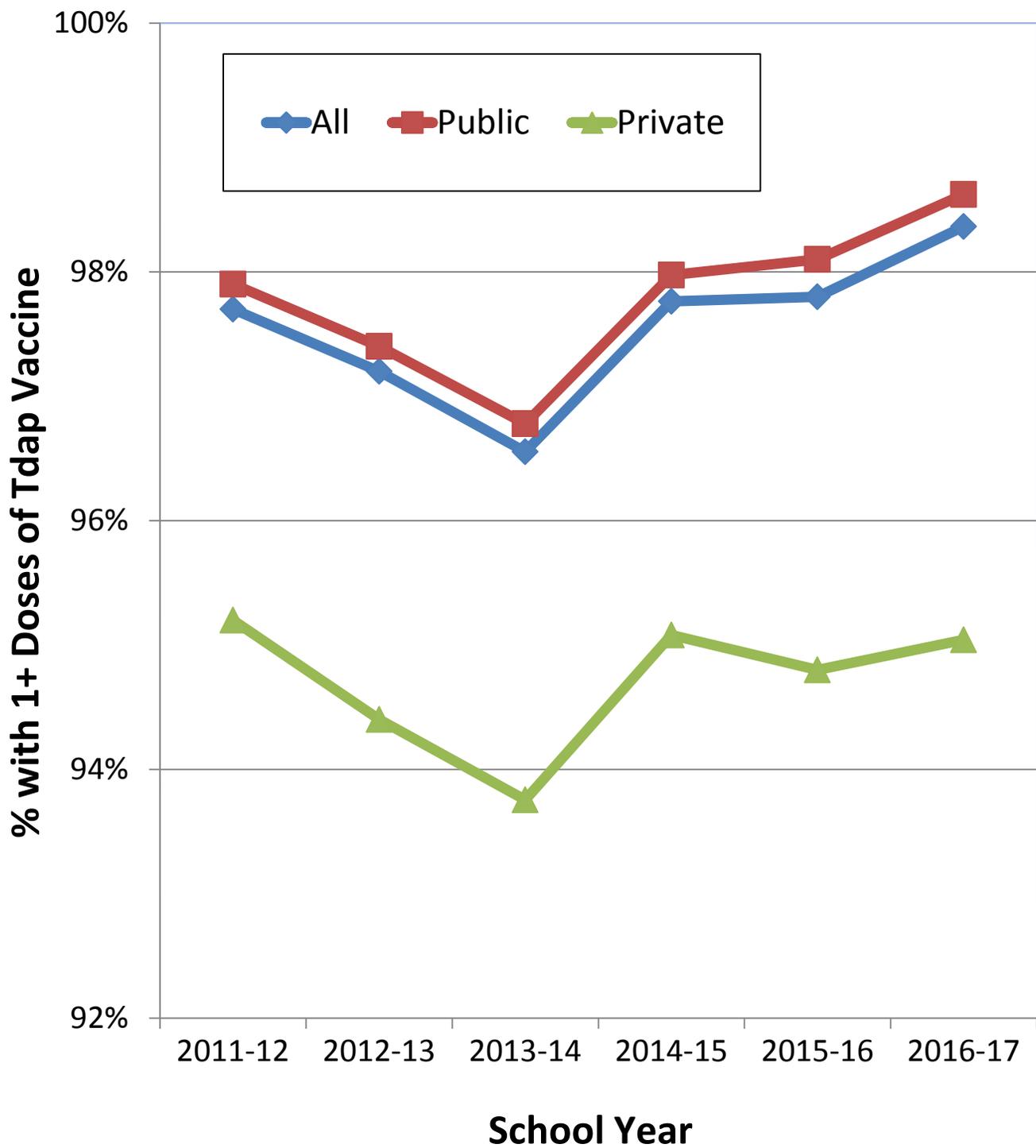


Figure 1. Percentage of 7th Grade Students with 1 or More Doses of Tdap Vaccine, by School Type and School Year, 2011-2012 to 2016-2017

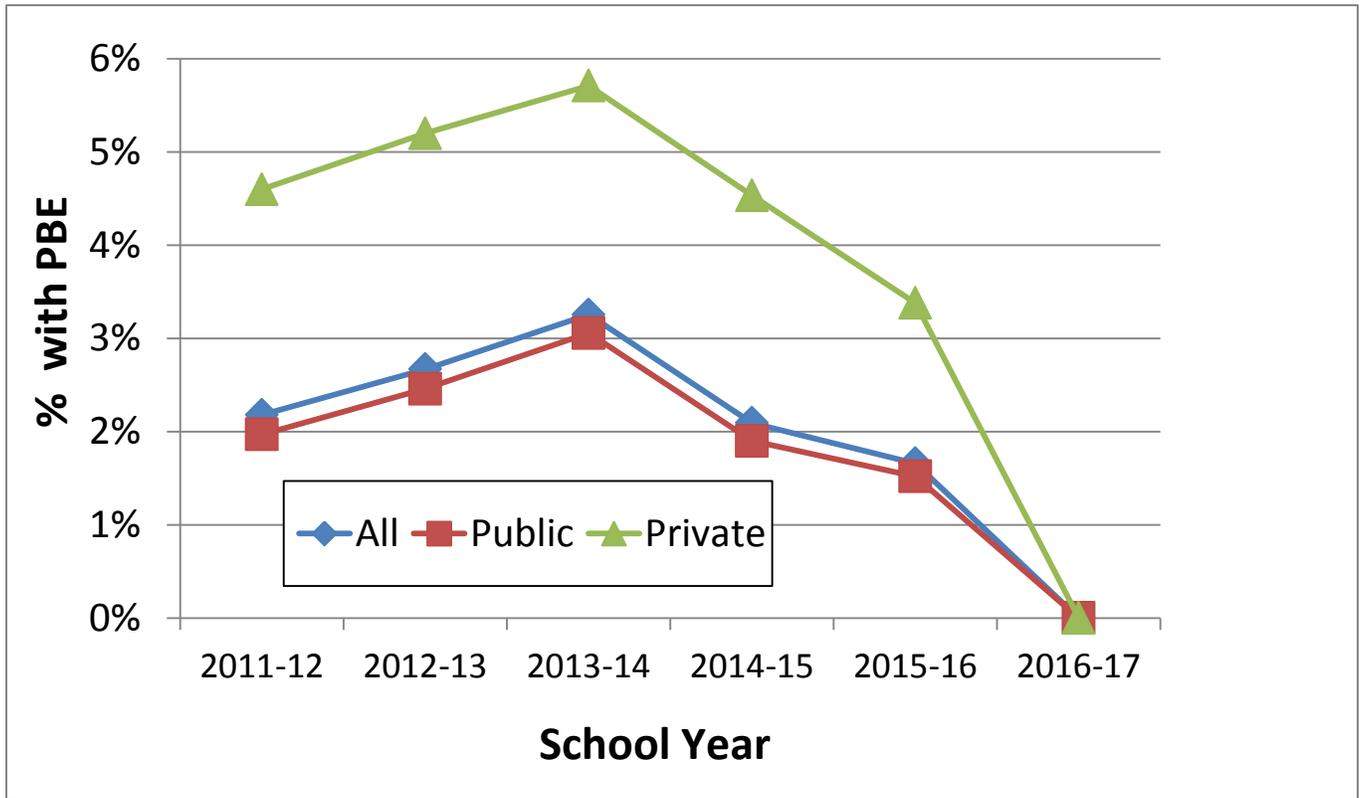


Figure 2. Percentage of 7<sup>th</sup> Grade Students with Personal Beliefs Exemptions (PBEs), by School Type and School Year, 2011-2012 to 2016-2017

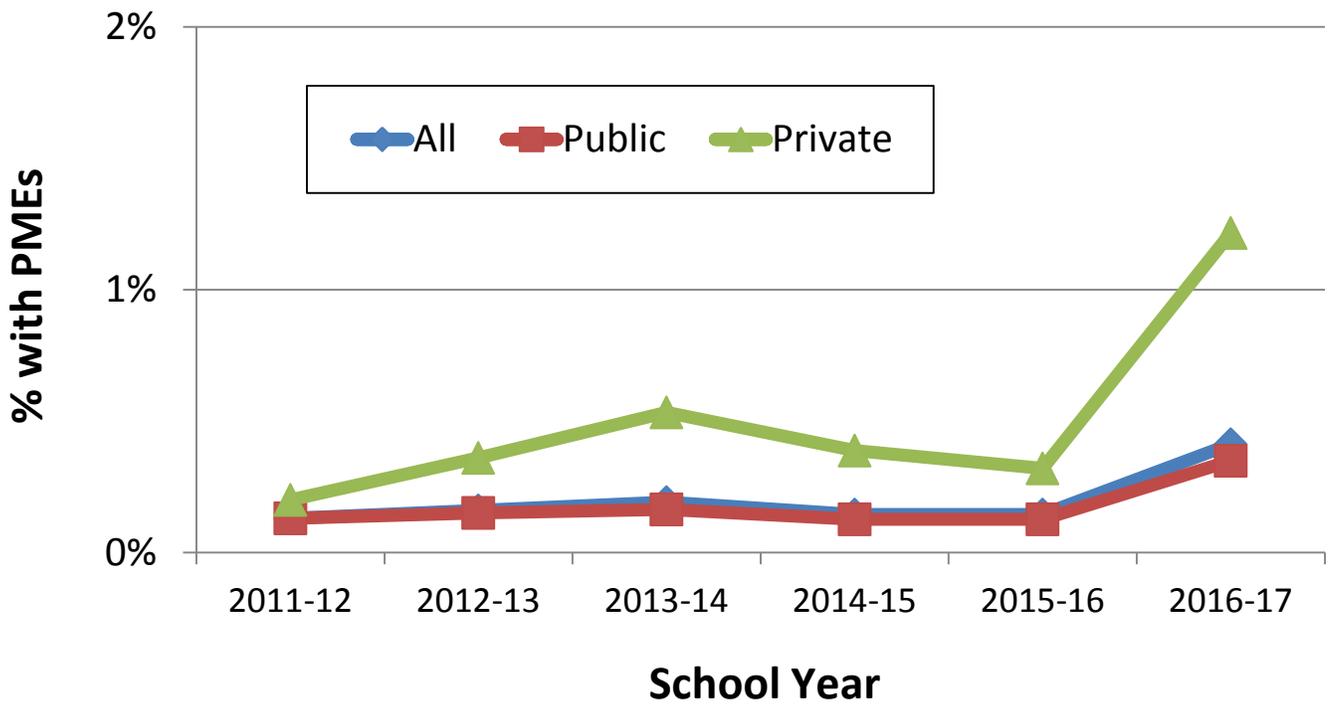
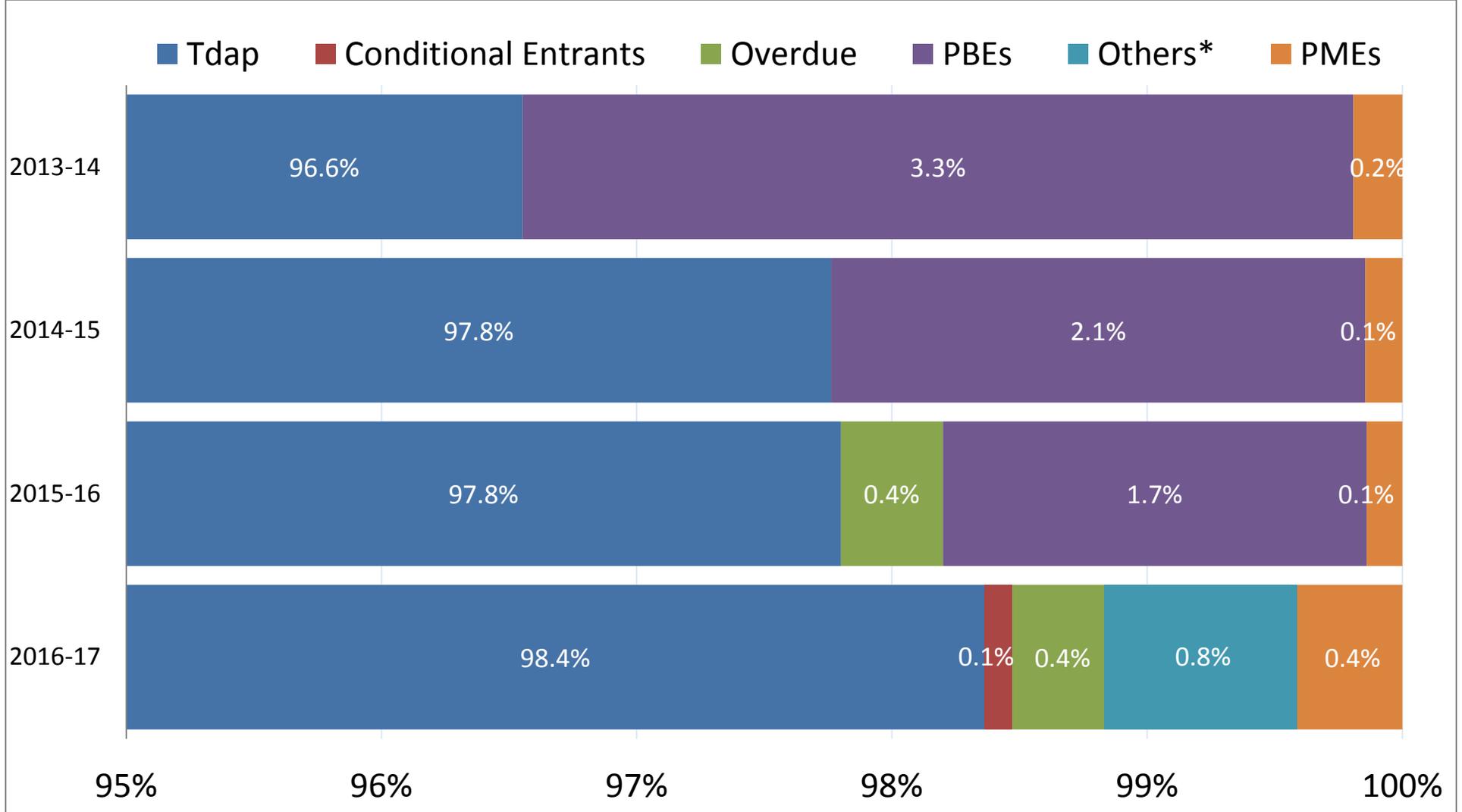
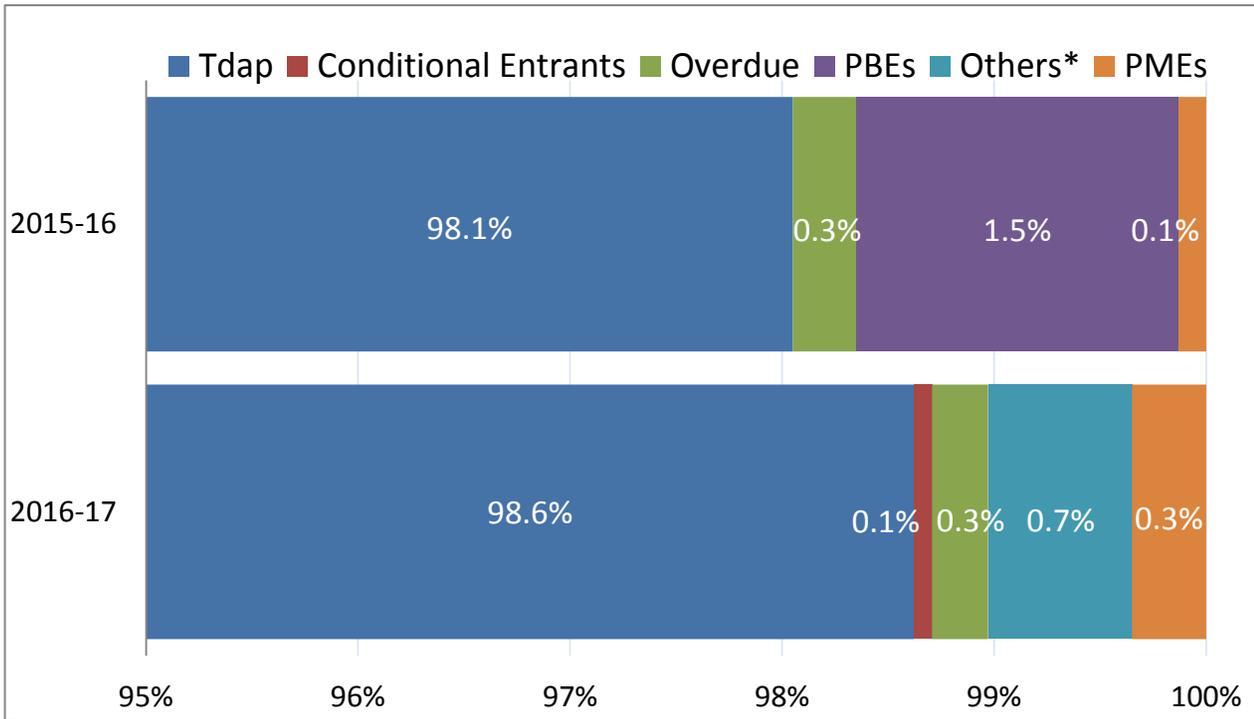


Figure 3. Percentage of 7<sup>th</sup> Grade Students with Permanent Medical Exemptions (PMEs), by School Type and School Year, 2011-2012 to 2016-2017



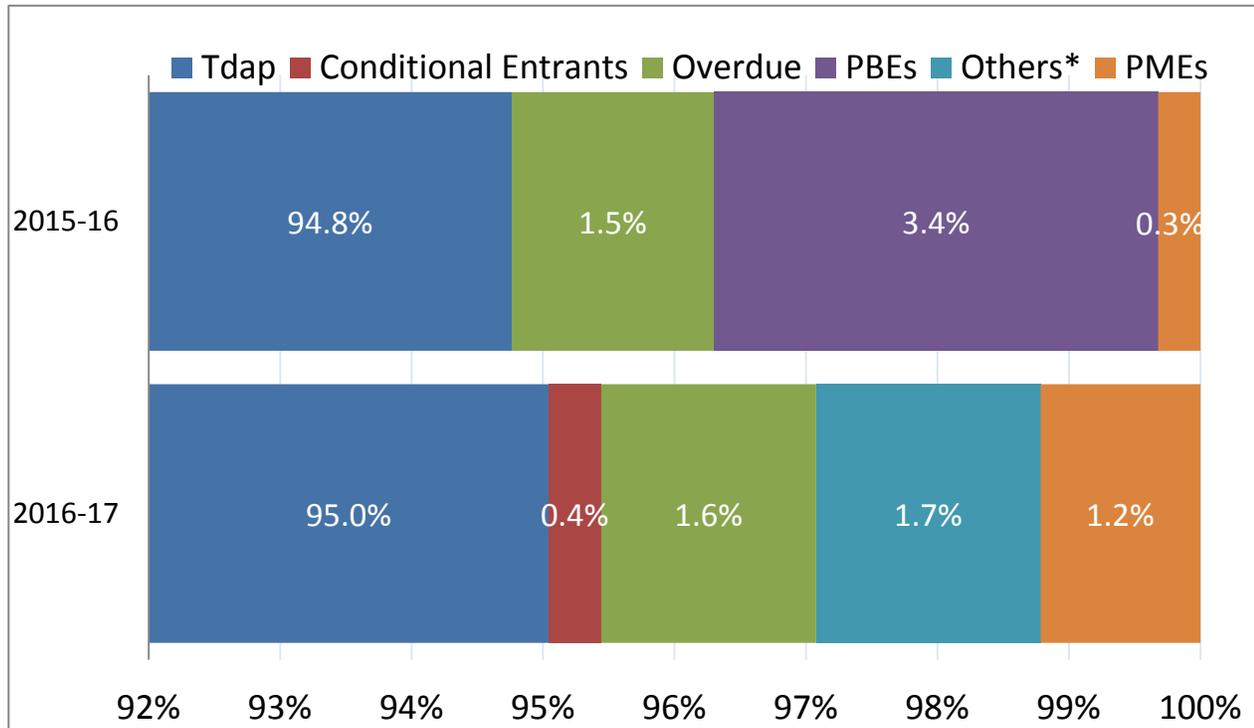
\*Other children lacking required immunizations under criteria specified in SB 277.

**Figure 4. Percentage of All 7<sup>th</sup> Grade Students by Reported Admission Status by School Year, 2013-2014 to 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 5. Percentage of Public School 7<sup>th</sup> Grade 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 6. Percentage of Private School 7<sup>th</sup> Grade Students by Reported Admission Status by School Year, 2015-2016 and 2016-2017**

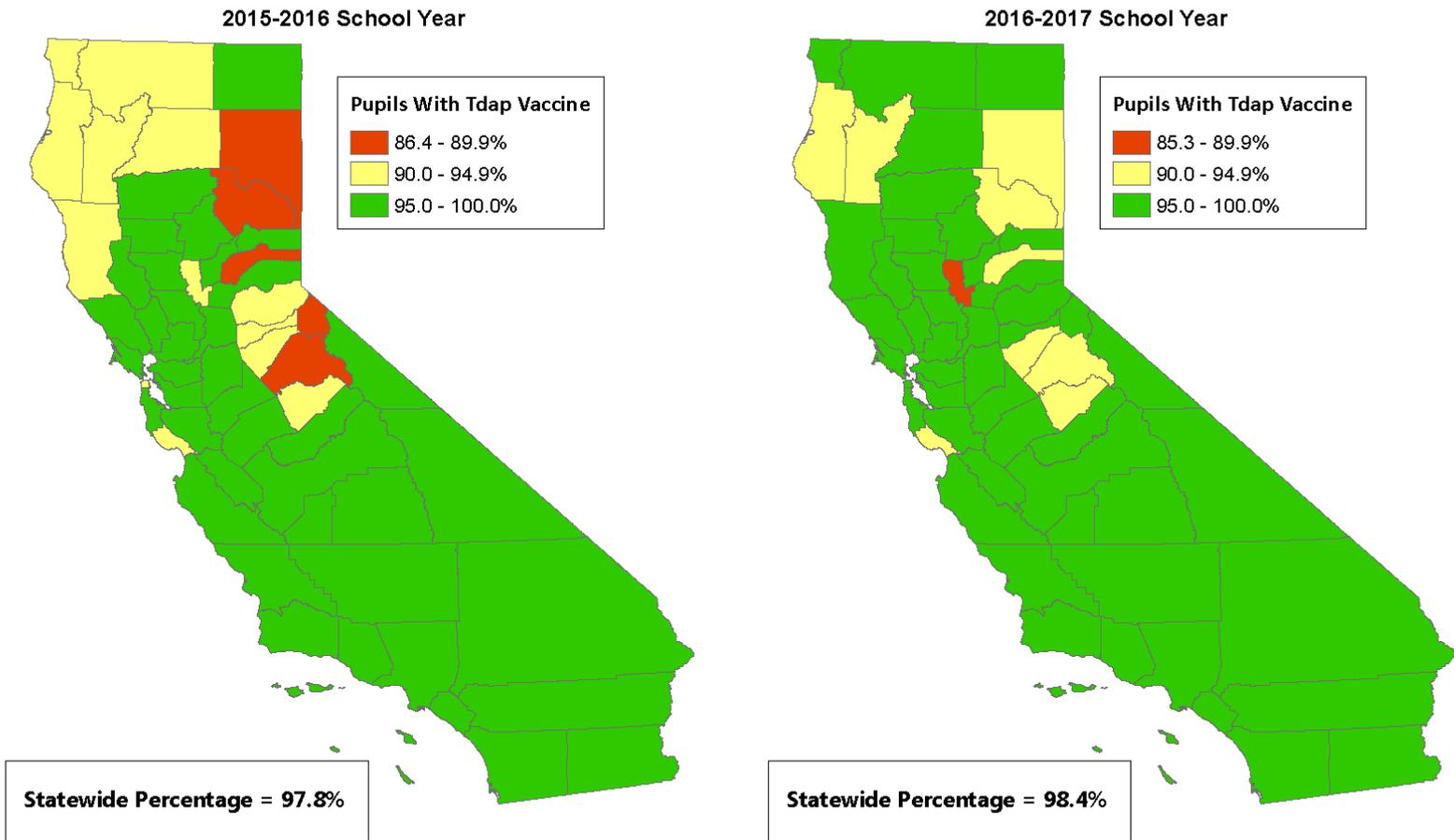


Figure 7. 7th Grade Students with 1 or More Doses of Tdap Vaccine, by County, 2015-2016 and 2016-2017 School Years

**Table 1. Immunization Status and 1-Year Change in California 7th Graders, 2015-2016 to 2016-2017 School Years**

	2016-2017			2015-1016			1-Year Percentage Point Change		
	All	Public	Private	All	Public	Private	All	Public	Private
Number of Schools	4,503	2,791	1,712	4,601	2,909	1,692			
Number of Students	497,423	461,486	35,937	496,805	460,148	36,657			
Received Tdap*	98.4%	98.6%	95.0%	97.8%	98.1%	94.8%	0.6%	0.5%	0.2%
Conditional Entrants	0.1%	0.1%	0.4%	(New category for 2016-2017)			0.1%	0.1%	0.4%
Permanent Medical Exemptions	0.4%	0.3%	1.2%	0.1%	0.1%	0.3%	0.3%	0.2%	0.9%
Personal Belief Exemptions	(No longer allowed under SB77)			1.7%	1.5%	3.4%	-1.7%	-1.5%	-3.4%
Others Lacking Tdap^	0.8%	0.7%	1.7%	(New category for 2016-2017)			0.8%	0.7%	1.7%
Overdue for Tdap Vaccine	0.4%	0.3%	1.6%	0.4%	0.3%	1.5%	0.0%	0.0%	0.1%

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

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

7TH GRADE ASSESSMENT - CALIFORNIA, 2016-2017  
 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	5,044	4,503	89.3%	2,899	2,791	96.3%	2,145	1,712	79.8%
COUNTY									
ALAMEDA	204	167	81.9%	107	97	90.7%	97	70	72.2%
ALPINE	1	1	100.0%	1	1	100.0%	0	0	0.0%
AMADOR	3	3	100.0%	3	3	100.0%	0	0	0.0%
BUTTE	50	50	100.0%	38	38	100.0%	12	12	100.0%
CALAVERAS	11	6	54.5%	6	6	100.0%	5	0	0.0%
COLUSA	5	5	100.0%	4	4	100.0%	1	1	100.0%
CONTRA COSTA	140	134	95.7%	67	67	100.0%	73	67	91.8%
DEL NORTE	7	7	100.0%	6	6	100.0%	1	1	100.0%
EL DORADO	33	33	100.0%	23	23	100.0%	10	10	100.0%
FRESNO	120	119	99.2%	94	94	100.0%	26	25	96.2%
GLENN	15	15	100.0%	12	12	100.0%	3	3	100.0%
HUMBOLDT	49	49	100.0%	42	42	100.0%	7	7	100.0%
IMPERIAL	29	27	93.1%	22	21	95.5%	7	6	85.7%
INYO	7	7	100.0%	5	5	100.0%	2	2	100.0%
KERN	125	94	75.2%	77	69	89.6%	48	25	52.1%
KINGS	29	29	100.0%	23	23	100.0%	6	6	100.0%
LAKE	17	16	94.1%	11	11	100.0%	6	5	83.3%
LASSEN	17	14	82.4%	13	13	100.0%	4	1	25.0%
LOS ANGELES	1,172	948	80.9%	570	519	91.1%	602	429	71.3%
MADERA	35	29	82.9%	29	26	89.7%	6	3	50.0%
MARIN	52	52	100.0%	22	22	100.0%	30	30	100.0%
MARIPOSA	9	1	11.1%	7	1	14.3%	2	0	0.0%
MENDOCINO	28	24	85.7%	21	20	95.2%	7	4	57.1%
MERCED	46	38	82.6%	30	30	100.0%	16	8	50.0%
MODOC	4	4	100.0%	3	3	100.0%	1	1	100.0%
MONO	5	5	100.0%	4	4	100.0%	1	1	100.0%
MONTEREY	56	48	85.7%	36	31	86.1%	20	17	85.0%
NAPA	28	26	92.9%	11	11	100.0%	17	15	88.2%
NEVADA	27	24	88.9%	20	20	100.0%	7	4	57.1%

7TH GRADE ASSESSMENT - CALIFORNIA, 2016-2017  
 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	5,044	4,503	89.3%	2,899	2,791	96.3%	2,145	1,712	79.8%
COUNTY									
ORANGE	277	277	100.0%	124	124	100.0%	153	153	100.0%
PLACER	59	50	84.7%	41	41	100.0%	18	9	50.0%
PLUMAS	6	5	83.3%	4	4	100.0%	2	1	50.0%
RIVERSIDE	209	181	86.6%	112	111	99.1%	97	70	72.2%
SACRAMENTO	195	148	75.9%	108	101	93.5%	87	47	54.0%
SAN BENITO	19	18	94.7%	15	14	93.3%	4	4	100.0%
SAN BERNARDINO	209	199	95.2%	126	124	98.4%	83	75	90.4%
SAN DIEGO	371	369	99.5%	227	227	100.0%	144	142	98.6%
SAN FRANCISCO	93	93	100.0%	26	26	100.0%	67	67	100.0%
SAN JOAQUIN	161	161	100.0%	130	130	100.0%	31	31	100.0%
SAN LUIS OBISPO	35	35	100.0%	22	22	100.0%	13	13	100.0%
SAN MATEO	103	103	100.0%	52	52	100.0%	51	51	100.0%
SANTA BARBARA	58	54	93.1%	29	29	100.0%	29	25	86.2%
SANTA CLARA	225	216	96.0%	103	103	100.0%	122	113	92.6%
SANTA CRUZ	46	43	93.5%	24	24	100.0%	22	19	86.4%
SHASTA	63	59	93.7%	45	45	100.0%	18	14	77.8%
SIERRA	2	2	100.0%	2	2	100.0%	0	0	0.0%
SISKIYOU	28	26	92.9%	23	22	95.7%	5	4	80.0%
SOLANO	48	40	83.3%	29	28	96.6%	19	12	63.2%
SONOMA	90	87	96.7%	60	60	100.0%	30	27	90.0%
STANISLAUS	78	56	71.8%	56	46	82.1%	22	10	45.5%
SUTTER	32	31	96.9%	27	27	100.0%	5	4	80.0%
TEHAMA	28	23	82.1%	21	21	100.0%	7	2	28.6%
TRINITY	8	8	100.0%	8	8	100.0%	0	0	0.0%
TULARE	96	83	86.5%	75	75	100.0%	21	8	38.1%
TUOLUMNE	19	19	100.0%	15	15	100.0%	4	4	100.0%
VENTURA	118	101	85.6%	57	57	100.0%	61	44	72.1%
YOLO	28	27	96.4%	18	18	100.0%	10	9	90.0%
YUBA	16	14	87.5%	13	13	100.0%	3	1	33.3%

7TH GRADE ASSESSMENT - CALIFORNIA, 2016-2017  
 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	497,423	488,758	98.3%	541	0.1%	2,048	0.4%	3,747	0.8%	1,804	0.4%
COUNTY											
ALAMEDA	18,436	18,218	98.8%	16	0.1%	25	0.1%	31	0.2%	146	0.8%
ALPINE	10	<20*	--*	<20*	--*	<20*	--*	<20*	--*	<20*	--*
AMADOR	296	285	96.3%	0	0.0%	6	2.0%	5	1.7%	0	0.0%
BUTTE	2,477	2,385	96.3%	5	0.2%	15	0.6%	44	1.8%	28	1.1%
CALAVERAS	433	405	93.5%	0	0.0%	4	0.9%	22	5.1%	2	0.5%
COLUSA	269	265	98.5%	1	0.4%	0	0.0%	0	0.0%	3	1.1%
CONTRA COSTA	15,006	14,892	99.2%	26	0.2%	30	0.2%	28	0.2%	30	0.2%
DEL NORTE	319	309	96.9%	1	0.3%	3	0.9%	3	0.9%	3	0.9%
EL DORADO	2,274	2,231	98.1%	10	0.4%	23	1.0%	7	0.3%	3	0.1%
FRESNO	16,262	16,141	99.3%	8	0.0%	28	0.2%	67	0.4%	18	0.1%
GLENN	404	402	99.5%	0	0.0%	0	0.0%	1	0.2%	1	0.2%
HUMBOLDT	1,394	1,321	94.8%	7	0.5%	13	0.9%	27	1.9%	26	1.9%
IMPERIAL	2,906	2,877	99.0%	0	0.0%	6	0.2%	4	0.1%	19	0.7%
INYO	231	--**	≥99.5%	--**	≤0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
KERN	13,845	13,507	97.6%	3	0.0%	48	0.3%	231	1.7%	56	0.4%
KINGS	2,155	2,141	99.4%	1	0.0%	4	0.2%	7	0.3%	2	0.1%
LAKE	615	604	98.2%	0	0.0%	3	0.5%	6	1.0%	2	0.3%
LASSEN	335	303	90.4%	0	0.0%	6	1.8%	26	7.8%	0	0.0%
LOS ANGELES	118,784	117,169	98.6%	84	0.1%	421	0.4%	596	0.5%	514	0.4%
MADERA	2,441	2,386	97.7%	4	0.2%	9	0.4%	17	0.7%	25	1.0%
MARIN	3,320	3,247	97.8%	9	0.3%	37	1.1%	6	0.2%	21	0.6%
MARIPOSA	10	<20*	--*	<20*	--*	<20*	--*	<20*	--*	<20*	--*
MENDOCINO	1,003	956	95.3%	5	0.5%	20	2.0%	10	1.0%	12	1.2%
MERCED	4,402	4,372	99.3%	7	0.2%	1	0.0%	12	0.3%	10	0.2%
MODOC	119	--**	≥99.0%	--**	≤1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
MONO	127	--**	≥99.0%	--**	≤1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
MONTEREY	3,649	3,630	99.5%	4	0.1%	10	0.3%	2	0.1%	3	0.1%
NAPA	1,809	1,730	95.6%	6	0.3%	22	1.2%	47	2.6%	4	0.2%
NEVADA	801	725	90.5%	10	1.2%	27	3.4%	39	4.9%	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.

\*\* 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, 2016-2017  
 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	497,423	488,758	98.3%	541	0.1%	2,048	0.4%	3,747	0.8%	1,804	0.4%
COUNTY											
ORANGE	41,395	40,668	98.2%	69	0.2%	255	0.6%	295	0.7%	108	0.3%
PLACER	5,809	5,620	96.7%	9	0.2%	49	0.8%	102	1.8%	29	0.5%
PLUMAS	133	126	94.7%	1	0.8%	4	3.0%	2	1.5%	0	0.0%
RIVERSIDE	34,047	33,731	99.1%	10	0.0%	96	0.3%	166	0.5%	44	0.1%
SACRAMENTO	19,447	19,039	97.9%	32	0.2%	66	0.3%	261	1.3%	49	0.3%
SAN BENITO	863	858	99.4%	3	0.3%	0	0.0%	0	0.0%	2	0.2%
SAN BERNARDINO	30,251	29,805	98.5%	23	0.1%	64	0.2%	275	0.9%	84	0.3%
SAN DIEGO	41,206	40,306	97.8%	42	0.1%	286	0.7%	478	1.2%	94	0.2%
SAN FRANCISCO	6,093	5,926	97.3%	12	0.2%	20	0.3%	5	0.1%	130	2.1%
SAN JOAQUIN	11,727	11,546	98.5%	5	0.0%	30	0.3%	115	1.0%	31	0.3%
SAN LUIS OBISPO	2,900	2,851	98.3%	5	0.2%	12	0.4%	8	0.3%	24	0.8%
SAN MATEO	8,609	8,535	99.1%	7	0.1%	37	0.4%	16	0.2%	14	0.2%
SANTA BARBARA	5,697	5,623	98.7%	16	0.3%	25	0.4%	30	0.5%	3	0.1%
SANTA CLARA	24,129	23,900	99.1%	32	0.1%	74	0.3%	48	0.2%	75	0.3%
SANTA CRUZ	3,551	3,362	94.7%	12	0.3%	33	0.9%	134	3.8%	10	0.3%
SHASTA	1,994	1,899	95.2%	11	0.6%	23	1.2%	53	2.7%	8	0.4%
SIERRA	28	--**	≥95.0%	--**	≤5.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
SISKIYOU	434	420	96.8%	0	0.0%	0	0.0%	12	2.8%	2	0.5%
SOLANO	5,060	5,027	99.3%	0	0.0%	8	0.2%	7	0.1%	18	0.4%
SONOMA	5,881	5,714	97.2%	13	0.2%	81	1.4%	60	1.0%	13	0.2%
STANISLAUS	7,697	7,539	97.9%	14	0.2%	21	0.3%	34	0.4%	89	1.2%
SUTTER	1,802	1,538	85.3%	1	0.1%	10	0.6%	247	13.7%	6	0.3%
TEHAMA	807	796	98.6%	1	0.1%	8	1.0%	1	0.1%	1	0.1%
TRINITY	109	100	91.7%	3	2.8%	2	1.8%	3	2.8%	1	0.9%
TULARE	8,240	8,196	99.5%	4	0.0%	4	0.0%	31	0.4%	5	0.1%
TUOLUMNE	474	435	91.8%	0	0.0%	10	2.1%	20	4.2%	9	1.9%
VENTURA	11,471	11,296	98.5%	5	0.0%	59	0.5%	94	0.8%	17	0.1%
YOLO	2,438	2,416	99.1%	4	0.2%	9	0.4%	4	0.2%	5	0.2%
YUBA	999	985	98.6%	0	0.0%	1	0.1%	8	0.8%	5	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.

\* 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, 2016-2017  
 TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2016-2017 AND 2015-2016,  
 BY COUNTY

		TOTAL STUDENTS	ENTRANTS WITH TDAP VACCINE	CONDITIONAL ENTRANTS	ENTRANTS WITH PME	ENTRANTS WITH PBE	OTHERS LACKING TDAP VACCINE*	OVERDUE FOR TDAP VACCINE
		NUMBER	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
STATE TOTAL	2016-17	497,423	98.4%	0.1%	0.4%	.	0.8%	0.4%
	2015-16	496,805	97.8%	.	0.1%	1.7%	.	0.4%
COUNTY ALAMEDA	2016-17	18,436	98.8%	0.1%	0.1%	.	0.2%	0.8%
	2015-16	18,501	98.4%	.	0.1%	0.9%	.	0.7%
ALPINE	2016-17	10	--*	--*	--*	.	--*	--*
	2015-16	8	--*	.	--*	--*	.	--*
AMADOR	2016-17	296	96.3%	0.0%	2.0%	.	1.7%	0.0%
	2015-16	332	94.0%	.	0.9%	5.1%	.	0.0%
BUTTE	2016-17	2,477	96.3%	0.2%	0.6%	.	1.8%	1.1%
	2015-16	2,542	96.5%	.	0.2%	3.1%	.	0.2%
CALAVERAS	2016-17	433	93.5%	0.0%	0.9%	.	5.1%	0.5%
	2015-16	409	92.2%	.	0.2%	7.3%	.	0.2%
COLUSA	2016-17	269	98.5%	0.4%	0.0%	.	0.0%	1.1%
	2015-16	340	99.4%	.	0.3%	0.3%	.	0.0%
CONTRA COSTA	2016-17	15,006	99.2%	0.2%	0.2%	.	0.2%	0.2%
	2015-16	14,498	98.7%	.	0.2%	0.9%	.	0.2%
DEL NORTE	2016-17	319	96.9%	0.3%	0.9%	.	0.9%	0.9%
	2015-16	302	92.1%	.	0.0%	7.9%	.	0.0%
EL DORADO	2016-17	2,274	98.1%	0.4%	1.0%	.	0.3%	0.1%
	2015-16	2,195	94.8%	.	0.1%	4.6%	.	0.4%
FRESNO	2016-17	16,262	99.3%	0.0%	0.2%	.	0.4%	0.1%
	2015-16	15,766	98.8%	.	0.0%	1.0%	.	0.1%
GLENN	2016-17	404	99.5%	0.0%	0.0%	.	0.2%	0.2%
	2015-16	423	99.1%	.	0.0%	0.9%	.	0.0%
HUMBOLDT	2016-17	1,394	94.8%	0.5%	0.9%	.	1.9%	1.9%
	2015-16	1,413	90.1%	.	0.4%	8.8%	.	0.6%
IMPERIAL	2016-17	2,906	99.0%	0.0%	0.2%	.	0.1%	0.7%
	2015-16	2,302	99.3%	.	0.0%	0.3%	.	0.4%
INYO	2016-17	231	≥99.5%	≤0.5%	0.0%	.	0.0%	0.0%
	2015-16	214	98.6%	.	0.0%	1.4%	.	0.0%
KERN	2016-17	13,845	97.6%	0.0%	0.3%	.	1.7%	0.4%
	2015-16	13,580	98.3%	.	0.1%	1.3%	.	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.

\* 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 de-identification based on school enrollment.

7TH GRADE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017  
 TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2016-2017 AND 2015-2016,  
 BY COUNTY

		TOTAL STUDENTS	ENTRANTS WITH TDAP VACCINE	CONDITIONAL ENTRANTS	ENTRANTS WITH PME	ENTRANTS WITH PBE	OTHERS LACKING TDAP VACCINE*	OVERDUE FOR TDAP VACCINE
		NUMBER	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
STATE TOTAL	2016-17	497,423	98.4%	0.1%	0.4%	.	0.8%	0.4%
	2015-16	496,805	97.8%	.	0.1%	1.7%	.	0.4%
COUNTY								
KINGS	2016-17	2,155	99.4%	0.0%	0.2%	.	0.3%	0.1%
	2015-16	2,157	99.6%	.	0.0%	0.4%	.	0.0%
LAKE	2016-17	615	98.2%	0.0%	0.5%	.	1.0%	0.3%
	2015-16	692	96.0%	.	0.3%	3.8%	.	0.0%
LASSEN	2016-17	335	90.4%	0.0%	1.8%	.	7.8%	0.0%
	2015-16	289	89.6%	.	0.3%	6.9%	.	3.1%
LOS ANGELES	2016-17	118,784	98.6%	0.1%	0.4%	.	0.5%	0.4%
	2015-16	118,060	98.1%	.	0.1%	1.4%	.	0.3%
MADERA	2016-17	2,441	97.7%	0.2%	0.4%	.	0.7%	1.0%
	2015-16	2,319	98.4%	.	0.0%	1.1%	.	0.4%
MARIN	2016-17	3,320	97.8%	0.3%	1.1%	.	0.2%	0.6%
	2015-16	3,320	97.6%	.	0.1%	2.1%	.	0.2%
MARIPOSA	2016-17	10	--*	--*	--*	.	--*	--*
	2015-16	140	92.1%	.	0.0%	5.7%	.	2.1%
MENDOCINO	2016-17	1,003	95.3%	0.5%	2.0%	.	1.0%	1.2%
	2015-16	1,013	93.7%	.	0.1%	4.8%	.	1.4%
MERCED	2016-17	4,402	99.3%	0.2%	0.0%	.	0.3%	0.2%
	2015-16	4,458	98.7%	.	0.2%	0.7%	.	0.3%
MODOC	2016-17	119	≥99.0%	≤1.0%	0.0%	.	0.0%	0.0%
	2015-16	122	95.9%	.	0.0%	4.1%	.	0.0%
MONO	2016-17	127	≥99.0%	≤1.0%	0.0%	.	0.0%	0.8%
	2015-16	122	99.2%	.	0.8%	0.0%	.	0.0%
MONTEREY	2016-17	3,649	99.5%	0.1%	0.3%	.	0.1%	0.1%
	2015-16	6,020	98.9%	.	0.1%	0.9%	.	0.1%
NAPA	2016-17	1,809	95.6%	0.3%	1.2%	.	2.6%	0.2%
	2015-16	1,803	97.9%	.	0.2%	1.3%	.	0.6%
NEVADA	2016-17	801	90.5%	1.2%	3.4%	.	4.9%	0.0%
	2015-16	817	87.8%	.	0.1%	11.9%	.	0.2%
ORANGE	2016-17	41,395	98.2%	0.2%	0.6%	.	0.7%	0.3%
	2015-16	41,545	97.9%	.	0.1%	1.8%	.	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.

\* 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 de-identification based on school enrollment.

7TH GRADE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017  
 TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2016-2017 AND 2015-2016,  
 BY COUNTY

		TOTAL STUDENTS	ENTRANTS WITH TDAP VACCINE	CONDITIONAL ENTRANTS	ENTRANTS WITH PME	ENTRANTS WITH PBE	OTHERS LACKING TDAP VACCINE*	OVERDUE FOR TDAP VACCINE
		NUMBER	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
STATE TOTAL	2016-17	497,423	98.4%	0.1%	0.4%	.	0.8%	0.4%
	2015-16	496,805	97.8%	.	0.1%	1.7%	.	0.4%
COUNTY PLACER	2016-17	5,809	96.7%	0.2%	0.8%	.	1.8%	0.5%
	2015-16	5,666	96.1%	.	0.2%	3.6%	.	0.1%
PLUMAS	2016-17	133	94.7%	0.8%	3.0%	.	1.5%	0.0%
	2015-16	182	89.6%	.	0.0%	10.4%	.	0.0%
RIVERSIDE	2016-17	34,047	99.1%	0.0%	0.3%	.	0.5%	0.1%
	2015-16	34,498	98.3%	.	0.2%	1.4%	.	0.2%
SACRAMENTO	2016-17	19,447	97.9%	0.2%	0.3%	.	1.3%	0.3%
	2015-16	17,376	96.5%	.	0.2%	3.0%	.	0.3%
SAN BENITO	2016-17	863	99.4%	0.3%	0.0%	.	0.0%	0.2%
	2015-16	872	97.6%	.	0.7%	0.9%	.	0.8%
SAN BERNARDINO	2016-17	30,251	98.5%	0.1%	0.2%	.	0.9%	0.3%
	2015-16	31,891	97.7%	.	0.2%	1.5%	.	0.6%
SAN DIEGO	2016-17	41,206	97.8%	0.1%	0.7%	.	1.2%	0.2%
	2015-16	39,891	97.5%	.	0.1%	2.0%	.	0.4%
SAN FRANCISCO	2016-17	6,093	97.3%	0.2%	0.3%	.	0.1%	2.1%
	2015-16	5,945	94.0%	.	0.1%	0.8%	.	5.1%
SAN JOAQUIN	2016-17	11,727	98.5%	0.0%	0.3%	.	1.0%	0.3%
	2015-16	11,288	98.0%	.	0.1%	1.3%	.	0.6%
SAN LUIS OBISPO	2016-17	2,900	98.3%	0.2%	0.4%	.	0.3%	0.8%
	2015-16	3,100	96.8%	.	0.3%	2.4%	.	0.5%
SAN MATEO	2016-17	8,609	99.1%	0.1%	0.4%	.	0.2%	0.2%
	2015-16	8,646	98.9%	.	0.1%	0.7%	.	0.3%
SANTA BARBARA	2016-17	5,697	98.7%	0.3%	0.4%	.	0.5%	0.1%
	2015-16	5,456	98.1%	.	0.1%	1.7%	.	0.1%
SANTA CLARA	2016-17	24,129	99.1%	0.1%	0.3%	.	0.2%	0.3%
	2015-16	25,293	98.6%	.	0.2%	0.9%	.	0.4%
SANTA CRUZ	2016-17	3,551	94.7%	0.3%	0.9%	.	3.8%	0.3%
	2015-16	3,410	94.4%	.	0.9%	4.3%	.	0.4%
SHASTA	2016-17	1,994	95.2%	0.6%	1.2%	.	2.7%	0.4%
	2015-16	2,147	93.8%	.	0.1%	6.1%	.	0.0%

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

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

7TH GRADE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2016-2017  
 TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2016-2017 AND 2015-2016,  
 BY COUNTY

		TOTAL STUDENTS	ENTRANTS WITH TDAP VACCINE	CONDITIONAL ENTRANTS	ENTRANTS WITH PME	ENTRANTS WITH PBE	OTHERS LACKING TDAP VACCINE*	OVERDUE FOR TDAP VACCINE
		NUMBER	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
STATE TOTAL	2016-17	497,423	98.4%	0.1%	0.4%	.	0.8%	0.4%
	2015-16	496,805	97.8%	.	0.1%	1.7%	.	0.4%
COUNTY								
SIERRA	2016-17	28	≥95.0%	≤5.0%	0.0%	.	0.0%	0.0%
	2015-16	39	97.4%	.	0.0%	2.6%	.	0.0%
SISKIYOU	2016-17	434	96.8%	0.0%	0.0%	.	2.8%	0.5%
	2015-16	460	92.6%	.	0.2%	7.0%	.	0.2%
SOLANO	2016-17	5,060	99.3%	0.0%	0.2%	.	0.1%	0.4%
	2015-16	4,582	98.8%	.	0.1%	1.0%	.	0.1%
SONOMA	2016-17	5,881	97.2%	0.2%	1.4%	.	1.0%	0.2%
	2015-16	5,735	96.5%	.	0.2%	2.9%	.	0.4%
STANISLAUS	2016-17	7,697	97.9%	0.2%	0.3%	.	0.4%	1.2%
	2015-16	8,531	97.6%	.	0.1%	2.1%	.	0.1%
SUTTER	2016-17	1,802	85.3%	0.1%	0.6%	.	13.7%	0.3%
	2015-16	1,698	93.1%	.	0.2%	6.7%	.	0.0%
TEHAMA	2016-17	807	98.6%	0.1%	1.0%	.	0.1%	0.1%
	2015-16	836	97.4%	.	0.0%	2.6%	.	0.0%
TRINITY	2016-17	109	91.7%	2.8%	1.8%	.	2.8%	0.9%
	2015-16	129	93.0%	.	0.0%	7.0%	.	0.0%
TULARE	2016-17	8,240	99.5%	0.0%	0.0%	.	0.4%	0.1%
	2015-16	7,915	98.7%	.	0.2%	1.0%	.	0.1%
TUOLUMNE	2016-17	474	91.8%	0.0%	2.1%	.	4.2%	1.9%
	2015-16	472	86.4%	.	0.4%	9.5%	.	3.6%
VENTURA	2016-17	11,471	98.5%	0.0%	0.5%	.	0.8%	0.1%
	2015-16	11,508	97.2%	.	0.2%	2.1%	.	0.4%
YOLO	2016-17	2,438	99.1%	0.2%	0.4%	.	0.2%	0.2%
	2015-16	2,469	97.9%	.	0.0%	1.8%	.	0.2%
YUBA	2016-17	999	98.6%	0.0%	0.1%	.	0.8%	0.5%
	2015-16	1,068	97.8%	.	0.0%	1.7%	.	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.

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7TH GRADE ASSESSMENT - CALIFORNIA, 2016-2017

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

	2016-2017			2015-2016			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	497,423	488,758	98.3%	496,805	485,911	97.8%	0.5%	2,847
COUNTY								
ALAMEDA	18,436	18,218	98.8%	18,501	18,201	98.4%	0.4%	17
ALPINE	10	<20*	--*	8	<20*	--*	--*	--*
AMADOR	296	285	96.3%	332	312	94.0%	2.3%	-27
BUTTE	2,477	2,385	96.3%	2,542	2,452	96.5%	-0.2%	-67
CALAVERAS	433	405	93.5%	409	377	92.2%	1.4%	28
COLUSA	269	265	98.5%	340	338	99.4%	-0.9%	-73
CONTRA COSTA	15,006	14,892	99.2%	14,498	14,305	98.7%	0.6%	587
DEL NORTE	319	309	96.9%	302	278	92.1%	4.8%	31
EL DORADO	2,274	2,231	98.1%	2,195	2,081	94.8%	3.3%	150
FRESNO	16,262	16,141	99.3%	15,766	15,578	98.8%	0.4%	563
GLENN	404	402	99.5%	423	419	99.1%	0.5%	-17
HUMBOLDT	1,394	1,321	94.8%	1,413	1,273	90.1%	4.7%	48
IMPERIAL	2,906	2,877	99.0%	2,302	2,285	99.3%	-0.3%	592
INYO	231	--**	≥99.5%	214	211	98.6%	--**	--**
KERN	13,845	13,507	97.6%	13,580	13,354	98.3%	-0.8%	153
KINGS	2,155	2,141	99.4%	2,157	2,148	99.6%	-0.2%	-7
LAKE	615	604	98.2%	692	664	96.0%	2.3%	-60
LASSEN	335	303	90.4%	289	259	89.6%	0.8%	44
LOS ANGELES	118,784	117,169	98.6%	118,060	115,865	98.1%	0.5%	1,304
MADERA	2,441	2,386	97.7%	2,319	2,282	98.4%	-0.7%	104
MARIN	3,320	3,247	97.8%	3,320	3,239	97.6%	0.2%	8
MARIPOSA	10	<20*	--*	140	129	92.1%	--*	--*
MENDOCINO	1,003	956	95.3%	1,013	949	93.7%	1.6%	7
MERCED	4,402	4,372	99.3%	4,458	4,402	98.7%	0.6%	-30
MODOC	119	--**	≥99.0%	122	117	95.9%	--**	--**
MONO	127	--**	≥99.0%	122	121	99.2%	--**	--**
MONTEREY	3,649	3,630	99.5%	6,020	5,955	98.9%	0.6%	-2,325
NAPA	1,809	1,730	95.6%	1,803	1,766	97.9%	-2.3%	-36
NEVADA	801	725	90.5%	817	717	87.8%	2.8%	8

\* 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, 2016-2017

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

	2016-2017			2015-2016			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	497,423	488,758	98.3%	496,805	485,911	97.8%	0.5%	2,847
COUNTY								
ORANGE	41,395	40,668	98.2%	41,545	40,684	97.9%	0.3%	-16
PLACER	5,809	5,620	96.7%	5,666	5,446	96.1%	0.6%	174
PLUMAS	133	126	94.7%	182	163	89.6%	5.2%	-37
RIVERSIDE	34,047	33,731	99.1%	34,498	33,897	98.3%	0.8%	-166
SACRAMENTO	19,447	19,039	97.9%	17,376	16,766	96.5%	1.4%	2,273
SAN BENITO	863	858	99.4%	872	851	97.6%	1.8%	7
SAN BERNARDINO	30,251	29,805	98.5%	31,891	31,167	97.7%	0.8%	-1,362
SAN DIEGO	41,206	40,306	97.8%	39,891	38,881	97.5%	0.3%	1,425
SAN FRANCISCO	6,093	5,926	97.3%	5,945	5,590	94.0%	3.2%	336
SAN JOAQUIN	11,727	11,546	98.5%	11,288	11,067	98.0%	0.4%	479
SAN LUIS OBISPO	2,900	2,851	98.3%	3,100	3,002	96.8%	1.5%	-151
SAN MATEO	8,609	8,535	99.1%	8,646	8,552	98.9%	0.2%	-17
SANTA BARBARA	5,697	5,623	98.7%	5,456	5,351	98.1%	0.6%	272
SANTA CLARA	24,129	23,900	99.1%	25,293	24,943	98.6%	0.4%	-1,043
SANTA CRUZ	3,551	3,362	94.7%	3,410	3,219	94.4%	0.3%	143
SHASTA	1,994	1,899	95.2%	2,147	2,014	93.8%	1.4%	-115
SIERRA	28	--**	≥99.5%	39	38	97.4%	--**	--**
SISKIYOU	434	420	96.8%	460	426	92.6%	4.2%	-6
SOLANO	5,060	5,027	99.3%	4,582	4,527	98.8%	0.5%	500
SONOMA	5,881	5,714	97.2%	5,735	5,532	96.5%	0.7%	182
STANISLAUS	7,697	7,539	97.9%	8,531	8,327	97.6%	0.3%	-788
SUTTER	1,802	1,538	85.3%	1,698	1,581	93.1%	-7.8%	-43
TEHAMA	807	796	98.6%	836	814	97.4%	1.3%	-18
TRINITY	109	100	91.7%	129	120	93.0%	-1.3%	-20
TULARE	8,240	8,196	99.5%	7,915	7,810	98.7%	0.8%	386
TUOLUMNE	474	435	91.8%	472	408	86.4%	5.3%	27
VENTURA	11,471	11,296	98.5%	11,508	11,188	97.2%	1.3%	108
YOLO	2,438	2,416	99.1%	2,469	2,418	97.9%	1.2%	-2
YUBA	999	985	98.6%	1,068	1,045	97.8%	0.8%	-60

\* 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, 2016-2017

TABLE 6: 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	ENTRANTS WITH PME	PERCENT	TOTAL STUDENTS	ENTRANTS WITH PME	PERCENT	PERCENT	ENTRANTS WITH PME
STATE TOTAL	497,423	2,048	0.4%	496,805	700	0.1%	0.3%	1,348
COUNTY								
ALAMEDA	18,436	25	0.1%	18,501	19	0.1%	0.0%	6
ALPINE	10	<20*	--*	8	<20*	--*	--*	--*
AMADOR	296	6	2.0%	332	3	0.9%	1.1%	3
BUTTE	2,477	15	0.6%	2,542	6	0.2%	0.4%	9
CALAVERAS	433	4	0.9%	409	1	0.2%	0.7%	3
COLUSA	269	0	0.0%	340	1	0.3%	-0.3%	-1
CONTRA COSTA	15,006	30	0.2%	14,498	22	0.2%	0.0%	8
DEL NORTE	319	3	0.9%	302	0	0.0%	0.9%	3
EL DORADO	2,274	23	1.0%	2,195	3	0.1%	0.9%	20
FRESNO	16,262	28	0.2%	15,766	7	0.0%	0.1%	21
GLENN	404	0	0.0%	423	0	0.0%	0.0%	0
HUMBOLDT	1,394	13	0.9%	1,413	6	0.4%	0.5%	7
IMPERIAL	2,906	6	0.2%	2,302	1	0.0%	0.2%	5
INYO	231	0	0.0%	214	0	0.0%	0.0%	0
KERN	13,845	48	0.3%	13,580	9	0.1%	0.3%	39
KINGS	2,155	4	0.2%	2,157	1	0.0%	0.1%	3
LAKE	615	3	0.5%	692	2	0.3%	0.2%	1
LASSEN	335	6	1.8%	289	1	0.3%	1.4%	5
LOS ANGELES	118,784	421	0.4%	118,060	154	0.1%	0.2%	267
MADERA	2,441	9	0.4%	2,319	1	0.0%	0.3%	8
MARIN	3,320	37	1.1%	3,320	3	0.1%	1.0%	34
MARIPOSA	10	<20*	--*	140	0	0.0%	--*	--*
MENDOCINO	1,003	20	2.0%	1,013	1	0.1%	1.9%	19
MERCED	4,402	1	0.0%	4,458	8	0.2%	-0.2%	-7
MODOC	119	0	0.0%	122	0	0.0%	0.0%	0
MONO	127	0	0.0%	122	1	0.8%	-0.8%	-1
MONTEREY	3,649	10	0.3%	6,020	5	0.1%	0.2%	5
NAPA	1,809	22	1.2%	1,803	3	0.2%	1.0%	19
NEVADA	801	27	3.4%	817	1	0.1%	3.2%	26

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

7TH GRADE ASSESSMENT - CALIFORNIA, 2016-2017

TABLE 6: 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	ENTRANTS WITH PME	PERCENT	TOTAL STUDENTS	ENTRANTS WITH PME	PERCENT	PERCENT	ENTRANTS WITH PME
ORANGE	41,395	255	0.6%	41,545	58	0.1%	0.5%	197
PLACER	5,809	49	0.8%	5,666	12	0.2%	0.6%	37
PLUMAS	133	4	3.0%	182	0	0.0%	3.0%	4
RIVERSIDE	34,047	96	0.3%	34,498	63	0.2%	0.1%	33
SACRAMENTO	19,447	66	0.3%	17,376	29	0.2%	0.2%	37
SAN BENITO	863	0	0.0%	872	6	0.7%	-0.7%	-6
SAN BERNARDINO	30,251	64	0.2%	31,891	54	0.2%	0.0%	10
SAN DIEGO	41,206	286	0.7%	39,891	42	0.1%	0.6%	244
SAN FRANCISCO	6,093	20	0.3%	5,945	4	0.1%	0.3%	16
SAN JOAQUIN	11,727	30	0.3%	11,288	10	0.1%	0.2%	20
SAN LUIS OBISPO	2,900	12	0.4%	3,100	8	0.3%	0.2%	4
SAN MATEO	8,609	37	0.4%	8,646	8	0.1%	0.3%	29
SANTA BARBARA	5,697	25	0.4%	5,456	6	0.1%	0.3%	19
SANTA CLARA	24,129	74	0.3%	25,293	40	0.2%	0.1%	34
SANTA CRUZ	3,551	33	0.9%	3,410	29	0.9%	0.1%	4
SHASTA	1,994	23	1.2%	2,147	2	0.1%	1.1%	21
SIERRA	28	0	0.0%	39	0	0.0%	0.0%	0
SISKIYOU	434	0	0.0%	460	1	0.2%	-0.2%	-1
SOLANO	5,060	8	0.2%	4,582	4	0.1%	0.1%	4
SONOMA	5,881	81	1.4%	5,735	11	0.2%	1.2%	70
STANISLAUS	7,697	21	0.3%	8,531	11	0.1%	0.1%	10
SUTTER	1,802	10	0.6%	1,698	3	0.2%	0.4%	7
TEHAMA	807	8	1.0%	836	0	0.0%	1.0%	8
TRINITY	109	2	1.8%	129	0	0.0%	1.8%	2
TULARE	8,240	4	0.0%	7,915	13	0.2%	-0.1%	-9
TUOLUMNE	474	10	2.1%	472	2	0.4%	1.7%	8
VENTURA	11,471	59	0.5%	11,508	24	0.2%	0.3%	35
YOLO	2,438	9	0.4%	2,469	1	0.0%	0.3%	8
YUBA	999	1	0.1%	1,068	0	0.0%	0.1%	1

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

7TH GRADE ASSESSMENT - CALIFORNIA, 2016-2017

TABLE 7: NUMBER AND PERCENTAGE OF OTHER STUDENTS LACKING TDAP VACCINE,  
BY SUBGROUP AND COUNTY

	TOTAL STUDENTS	OTHERS LACKING TDAP VACCINE <sup>†</sup>		OTHERS LACKING TDAP VACCINE <sup>†</sup>					
				INDEPENDENT STUDY		IEP SERVICES		HOME-BASED PRIVATE SCHOOL	
				NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	497,423	3,747	0.8%	2,216	0.4%	957	0.2%	574	0.1%
COUNTY									
ALAMEDA	18,436	31	0.2%	1	0.0%	24	0.1%	6	0.0%
ALPINE	10	<20*	--*	<20*	--*	<20*	--*	<20*	--*
AMADOR	296	5	1.7%	0	0.0%	5	1.7%	0	0.0%
BUTTE	2,477	44	1.8%	40	1.6%	3	0.1%	1	0.0%
CALAVERAS	433	22	5.1%	16	3.7%	6	1.4%	0	0.0%
COLUSA	269	0	0.0%	0	0.0%	0	0.0%	0	0.0%
CONTRA COSTA	15,006	28	0.2%	7	0.0%	16	0.1%	5	0.0%
DEL NORTE	319	3	0.9%	0	0.0%	3	0.9%	0	0.0%
EL DORADO	2,274	7	0.3%	1	0.0%	5	0.2%	1	0.0%
FRESNO	16,262	67	0.4%	41	0.3%	7	0.0%	19	0.1%
GLENN	404	1	0.2%	0	0.0%	0	0.0%	1	0.2%
HUMBOLDT	1,394	27	1.9%	23	1.6%	4	0.3%	0	0.0%
IMPERIAL	2,906	4	0.1%	1	0.0%	3	0.1%	0	0.0%
INYO	231	0	0.0%	0	0.0%	0	0.0%	0	0.0%
KERN	13,845	231	1.7%	103	0.7%	11	0.1%	117	0.8%
KINGS	2,155	7	0.3%	4	0.2%	3	0.1%	0	0.0%
LAKE	615	6	1.0%	4	0.7%	2	0.3%	0	0.0%
LASSEN	335	26	7.8%	26	7.8%	0	0.0%	0	0.0%
LOS ANGELES	118,784	596	0.5%	280	0.2%	230	0.2%	86	0.1%
MADERA	2,441	17	0.7%	17	0.7%	0	0.0%	0	0.0%
MARIN	3,320	6	0.2%	0	0.0%	5	0.2%	1	0.0%
MARIPOSA	10	<20*	--*	<20*	--*	<20*	--*	<20*	--*
MENDOCINO	1,003	10	1.0%	7	0.7%	3	0.3%	0	0.0%
MERCED	4,402	12	0.3%	5	0.1%	7	0.2%	0	0.0%
MODOC	119	0	0.0%	0	0.0%	0	0.0%	0	0.0%
MONO	127	0	0.0%	0	0.0%	0	0.0%	0	0.0%
MONTEREY	3,649	2	0.1%	0	0.0%	2	0.1%	0	0.0%
NAPA	1,809	47	2.6%	0	0.0%	11	0.6%	36	2.0%
NEVADA	801	39	4.9%	34	4.2%	5	0.6%	0	0.0%

<sup>†</sup> 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, 2016-2017

TABLE 7: NUMBER AND PERCENTAGE OF OTHER STUDENTS LACKING TDAP VACCINE,  
BY SUBGROUP AND COUNTY

	TOTAL STUDENTS	OTHERS LACKING TDAP VACCINE <sup>†</sup>		OTHERS LACKING TDAP VACCINE <sup>†</sup>					
				INDEPENDENT STUDY		IEP SERVICES		HOME-BASED PRIVATE SCHOOL	
				NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	497,423	3,747	0.8%	2,216	0.4%	957	0.2%	574	0.1%
COUNTY									
ORANGE	41,395	295	0.7%	85	0.2%	158	0.4%	52	0.1%
PLACER	5,809	102	1.8%	95	1.6%	7	0.1%	0	0.0%
PLUMAS	133	2	1.5%	1	0.8%	0	0.0%	1	0.8%
RIVERSIDE	34,047	166	0.5%	99	0.3%	21	0.1%	46	0.1%
SACRAMENTO	19,447	261	1.3%	155	0.8%	101	0.5%	5	0.0%
SAN BENITO	863	0	0.0%	0	0.0%	0	0.0%	0	0.0%
SAN BERNARDINO	30,251	275	0.9%	203	0.7%	52	0.2%	20	0.1%
SAN DIEGO	41,206	478	1.2%	334	0.8%	62	0.2%	82	0.2%
SAN FRANCISCO	6,093	5	0.1%	0	0.0%	4	0.1%	1	0.0%
SAN JOAQUIN	11,727	115	1.0%	75	0.6%	30	0.3%	10	0.1%
SAN LUIS OBISPO	2,900	8	0.3%	2	0.1%	5	0.2%	1	0.0%
SAN MATEO	8,609	16	0.2%	13	0.2%	3	0.0%	0	0.0%
SANTA BARBARA	5,697	30	0.5%	24	0.4%	5	0.1%	1	0.0%
SANTA CLARA	24,129	48	0.2%	7	0.0%	17	0.1%	24	0.1%
SANTA CRUZ	3,551	134	3.8%	109	3.1%	25	0.7%	0	0.0%
SHASTA	1,994	53	2.7%	35	1.8%	7	0.4%	11	0.6%
SIERRA	28	0	0.0%	0	0.0%	0	0.0%	0	0.0%
SISKIYOU	434	12	2.8%	12	2.8%	0	0.0%	0	0.0%
SOLANO	5,060	7	0.1%	6	0.1%	1	0.0%	0	0.0%
SONOMA	5,881	60	1.0%	38	0.6%	20	0.3%	2	0.0%
STANISLAUS	7,697	34	0.4%	11	0.1%	23	0.3%	0	0.0%
SUTTER	1,802	247	13.7%	216	12.0%	31	1.7%	0	0.0%
TEHAMA	807	1	0.1%	1	0.1%	0	0.0%	0	0.0%
TRINITY	109	3	2.8%	2	1.8%	1	0.9%	0	0.0%
TULARE	8,240	31	0.4%	26	0.3%	5	0.1%	0	0.0%
TUOLUMNE	474	20	4.2%	15	3.2%	2	0.4%	3	0.6%
VENTURA	11,471	94	0.8%	38	0.3%	14	0.1%	42	0.4%
YOLO	2,438	4	0.2%	0	0.0%	4	0.2%	0	0.0%
YUBA	999	8	0.8%	4	0.4%	4	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, 2016-2017

TABLE 8: NUMBER AND PERCENTAGE OF ENTRANTS OVERDUE FOR TDAP VACCINE IN 2016-2017 AND 2015-2016, AND 1-YEAR CHANGE, BY COUNTY

	2016-2017			2015-2016			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	497,423	1,805	0.4%	496,805	1,963	0.4%	0.0%	-158
COUNTY								
ALAMEDA	18,436	146	0.8%	18,501	123	0.7%	0.1%	23
ALPINE	10	<20*	--*	8	<20*	--*	--*	--*
AMADOR	296	0	0.0%	332	0	0.0%	0.0%	0
BUTTE	2,477	28	1.1%	2,542	5	0.2%	0.9%	23
CALAVERAS	433	2	0.5%	409	1	0.2%	0.2%	1
COLUSA	269	3	1.1%	340	0	0.0%	1.1%	3
CONTRA COSTA	15,006	30	0.2%	14,498	36	0.2%	0.0%	-6
DEL NORTE	319	3	0.9%	302	0	0.0%	0.9%	3
EL DORADO	2,274	3	0.1%	2,195	9	0.4%	-0.3%	-6
FRESNO	16,262	18	0.1%	15,766	22	0.1%	0.0%	-4
GLENN	404	1	0.2%	423	0	0.0%	0.2%	1
HUMBOLDT	1,394	26	1.9%	1,413	9	0.6%	1.2%	17
IMPERIAL	2,906	19	0.7%	2,302	10	0.4%	0.2%	9
INYO	231	0	0.0%	214	0	0.0%	0.0%	0
KERN	13,845	56	0.4%	13,580	45	0.3%	0.1%	11
KINGS	2,155	2	0.1%	2,157	0	0.0%	0.1%	2
LAKE	615	2	0.3%	692	0	0.0%	0.3%	2
LASSEN	335	0	0.0%	289	9	3.1%	-3.1%	-9
LOS ANGELES	118,784	514	0.4%	118,060	405	0.3%	0.1%	109
MADERA	2,441	25	1.0%	2,319	10	0.4%	0.6%	15
MARIN	3,320	21	0.6%	3,320	8	0.2%	0.4%	13
MARIPOSA	10	<20*	--*	140	3	2.1%	--*	--*
MENDOCINO	1,003	12	1.2%	1,013	14	1.4%	-0.2%	-2
MERCED	4,402	10	0.2%	4,458	15	0.3%	-0.1%	-5
MODOC	119	0	0.0%	122	0	0.0%	0.0%	0
MONO	127	1	0.8%	122	0	0.0%	0.8%	1
MONTEREY	3,649	3	0.1%	6,020	8	0.1%	-0.1%	-5
NAPA	1,809	4	0.2%	1,803	11	0.6%	-0.4%	-7
NEVADA	801	0	0.0%	817	2	0.2%	-0.2%	-2

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

7TH GRADE ASSESSMENT - CALIFORNIA, 2016-2017

TABLE 8: NUMBER AND PERCENTAGE OF ENTRANTS OVERDUE FOR TDAP VACCINE IN 2016-2017 AND 2015-2016, AND 1-YEAR CHANGE, BY COUNTY

	2016-2017			2015-2016			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	497,423	1,805	0.4%	496,805	1,963	0.4%	0.0%	-158
COUNTY								
ORANGE	41,395	108	0.3%	41,545	74	0.2%	0.1%	34
PLACER	5,809	29	0.5%	5,666	4	0.1%	0.4%	25
PLUMAS	133	0	0.0%	182	0	0.0%	0.0%	0
RIVERSIDE	34,047	44	0.1%	34,498	52	0.2%	0.0%	-8
SACRAMENTO	19,447	49	0.3%	17,376	54	0.3%	-0.1%	-5
SAN BENITO	863	2	0.2%	872	7	0.8%	-0.6%	-5
SAN BERNARDINO	30,251	84	0.3%	31,891	202	0.6%	-0.4%	-118
SAN DIEGO	41,206	94	0.2%	39,891	178	0.4%	-0.2%	-84
SAN FRANCISCO	6,093	130	2.1%	5,945	301	5.1%	-2.9%	-171
SAN JOAQUIN	11,727	31	0.3%	11,288	63	0.6%	-0.3%	-32
SAN LUIS OBISPO	2,900	24	0.8%	3,100	16	0.5%	0.3%	8
SAN MATEO	8,609	14	0.2%	8,646	29	0.3%	-0.2%	-15
SANTA BARBARA	5,697	3	0.1%	5,456	5	0.1%	0.0%	-2
SANTA CLARA	24,129	75	0.3%	25,293	91	0.4%	0.0%	-16
SANTA CRUZ	3,551	10	0.3%	3,410	15	0.4%	-0.2%	-5
SHASTA	1,994	8	0.4%	2,147	1	0.0%	0.4%	7
SIERRA	28	0	0.0%	39	0	0.0%	0.0%	0
SISKIYOU	434	2	0.5%	460	1	0.2%	0.2%	1
SOLANO	5,060	18	0.4%	4,582	4	0.1%	0.3%	14
SONOMA	5,881	13	0.2%	5,735	23	0.4%	-0.2%	-10
STANISLAUS	7,697	89	1.2%	8,531	11	0.1%	1.0%	78
SUTTER	1,802	6	0.3%	1,698	0	0.0%	0.3%	6
TEHAMA	807	1	0.1%	836	0	0.0%	0.1%	1
TRINITY	109	1	0.9%	129	0	0.0%	0.9%	1
TULARE	8,240	5	0.1%	7,915	10	0.1%	-0.1%	-5
TUOLUMNE	474	9	1.9%	472	17	3.6%	-1.7%	-8
VENTURA	11,471	17	0.1%	11,508	50	0.4%	-0.3%	-33
YOLO	2,438	5	0.2%	2,469	5	0.2%	0.0%	0
YUBA	999	5	0.5%	1,068	5	0.5%	0.0%	0

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