

2018-2019 7th 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. 2018-2019 is the third full school year that entrants have been subject to Senate Bill (SB) 277, which no longer permits them to receive such personal beliefs exemptions (PBEs). Beginning in the 2015-2016 school year, many public health departments in California have increased their assistance to schools in implementing immunization requirements.

Reported immunization rates remain at high levels but have decreased over the last two years. The proportion of students attending 7th grade in 2018-2019 reported to have received the tetanus, diphtheria and pertussis (Tdap) booster immunization is 97.5%, a 0.5 percentage point decrease from the 2017-2018 school year, a 0.9 percentage point decrease from the 2016-2017 school year, and a 0.9 percentage point increase over five years since 2013-2014.

Compared to 2017-2018, in 2018-2019 the proportion of 7th graders reported as:

- Lacking Tdap immunization for other reasons specified under SB 277 increased from 0.9% to 1.4%, with 1.0% reported as being enrolled in independent study programs.
- Having permanent medical exemptions increased from 0.4% to 0.5%.
- Conditional entrants because of a temporary medical exemption remained at 0.1%.
- Being overdue for Tdap immunization remained at 0.6%.

Because of SB277, the proportion of 7th graders reported with PBEs has remained at 0.0% since 2016-2017. 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.

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.

2018-2019 7th Grade Immunization Assessment – Technical Notes

Introduction

Each autumn all schools with 7th 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 2018-2019 school year reported by public and private schools with 7th grades, both statewide (Table 1, Figures 1-7) and by county (Tables 2-9, 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. 2018-2019 is the third full school year that entrants have been subject to [Senate Bill \(SB\) 277](#), which no longer permits them to receive such personal beliefs exemptions (PBEs).

Methods

During the autumn of 2018, California schools registered with the California Department of Education reported data on 7th graders in the 2018-2019 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.
 - In addition, 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 7th 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 7th graders in California whose immunization status was reported increased from 512,832 in 2017-2018 to 519,454 in the 2018-2019 school year (Table 1). The number of schools that reported decreased slightly from 4,771 in 2017-2018 to 4,749 in 2018-2019, and the number of schools that did not report increased from 209 to 263 (Tables 1 and 2). The number of public schools that reported decreased from 3,015 in 2017-2018 to 2,989 in 2018-2019 (Tables 1 and 2). The number of private schools that reported was 1,756 in 2017-2018 and 1,760 in 2018-2019. Private schools account for 7% (36,025/519,454) of all 7th graders about whom data was reported in 2018-2019, 37% (1,760/4,749) of all schools that reported data on 7th graders and 84% (220/263) of schools that did not report.

Figures 1-3 and 7 show trends for 7th grade students in all, public or private schools reported as having: been immunized with Tdap; PBEs; and PMEs. 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 519,454 7th graders whose schools reported their status in 2018-2019, 506,225 (97.5%) have been immunized with Tdap, a decrease from the previous school year of 0.5 percentage points (difference of unrounded values) and an increase over the five school years since 2013-2014 of 0.9 percentage points (Tables 1 and 3-5, Figures 1 and 4). For counties reporting at least 20 students, the highest rates of at least 99% were reported in Inyo, Sierra, San Benito, Monterey, Solano, Tulare, Imperial, Kings, and Glenn counties (Tables 3-5).

In 2018-2019, 13 (22%) counties in California reported rates of 7th graders with Tdap less than 95% compared to 11 (19%) of 58 counties in 2017-2018 (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, 97.1% (1,472/1,516) of 7th graders were reported as receiving Tdap, compared to 16.8% (88/523) enrolled at virtual schools based in the county and 76.5% (1,560/2,039) at all schools, traditional and virtual; of all students reported in 7th grade in Sutter County, 25.6% (523/2,039) 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 (97.7% vs. 94.4%; difference of 3.2 percentage points) (Table 1, Figures 5 and 6). This gap is the same as in 2017-2018 (98.1% vs. 94.9%); there was a one-year decrease of 0.5 percentage points for students in both public schools and private schools.

Conditional entrants: Over the last three school years, the proportion of students reported as conditional entrants because of a temporary medical exemption has remained at 0.1% (Tables 1, 3), whether in all schools or in public schools. In 2018-2019, 0.6% of 7th graders in private schools were reported as conditional entrants, compared with 0.5% in 2017-2018, and 0.4% in 2016-2017.

PMEs: The percentage of students with PMEs increased from 0.4% in 2017-2018 to 0.5% in 2018-2019 (Tables 1 and 6, Figures 3 and 4). In public schools, the number of students reported with PMEs increased from 1,705 (0.4%) to 1,942 (0.4%) (Figure 5), while for private schools, the number of students increased from 459 (1.3%) to 536 (1.5%) (Figure 6).

Other students lacking required immunizations: The proportion of 7th 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 0.9% in 2017-2018 to 1.4% in 2018-2019 (Tables 1, 3, 4 and 7, Figure 4). Children reported as being enrolled in independent study programs accounted for most students in this category (1.0%, or 4,967) (Table 8), and for the increase compared to the previous year (0.5 of the 0.5 percentage point increase). The proportion of students in this category increased from 0.8% to 1.3% in public schools (Table 1, Figure 5), and from 1.9% to 2.0% in private schools (Figure 6). Nearly 90% of the increase in the number of children enrolled in independent study programs and lacking immunizations were reported from schools based in six counties: Los Angeles, San Diego, Kern, San Bernardino, Stanislaus, and Sutter. Some of these students are enrolled in virtual schools and reside in other counties.

Overdue: The percentage of students reported as being overdue for Tdap immunization (Tables 1, 3, 4 and 9, Figure 4) remained at 0.6% in 2018-2019. In public schools the number of students reported as overdue decreased from 2,773 (0.6%) to 2,372 (0.5%) (Figure 5). For private schools the number of students reported as overdue increased from 508 (1.4%) to 550 (1.5%) (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 0.5 percentage points from 98.7% in 2017-2018 to 98.2% in 2018-2019.

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 1.3% in 2017-2018 to 1.8% in 2018-2019; the combined rate for public schools increased from 1.2% to 1.7% and for private schools from 3.2% to 3.5%.

Discussion

Reported immunization rates remain at high levels but have decreased over the last two school years. After the proportion of students reported to enter 7th grade in California after receiving Tdap increased by 1.8 percentage points from 96.6% to 98.4% between the four school years from 2013-2014 to 2016-2017, it has since decreased by 0.9 percentage points to 97.5% in 2018-2019. The number of 7th graders (519,454) whose status was reported in 2018-2019 remains at amongst the largest numbers since the Tdap requirement began 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 both 2018-2019 and 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.

The proportion of children reported in other categories of exemptions increased in 2018-2019, as 1.4% lacked required immunizations under other criteria introduced in SB 277. Most (1.0% of 1.4%) of these children were reported as being enrolled in independent study programs, representing an increase of 0.5 percentage points from 2017-2018. In the separate category of conditional entrants, another 0.5% of children were reported as having PMEs, an increase of

0.1% from 2017-2018. In combination, 1.8% of entrants were reported as not having had required immunizations because of PMEs or other criteria related to SB 277. Over the recent period of multiple changes in policies and laws in California, this combined rate, which includes PBEs prior to the 2016-2017 school year, has been 3.4% in 2013-2014, 1.2% in 2016-2017, and 1.8% in 2018-2019. 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 2018-2019, 13 (22%) of 58 counties in California report rates of 7th graders who have received Tdap as less than 95%, compared to 11 (19%) counties in 2017-2018, and 10 (17%) counties in 2016-2017. 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.

Limitations

This report is subject to limitations that include:

- 263 California schools that might have had students in 7th grade, including 220 private schools and 43 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. Local health departments continue to work with schools to increase reporting.
- 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.

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

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Table 7. Number and Percentage of Other Students Lacking Tdap Vaccine in 2018-2019 and 2017-2018, and 1-Year Percentage Point Change, by County

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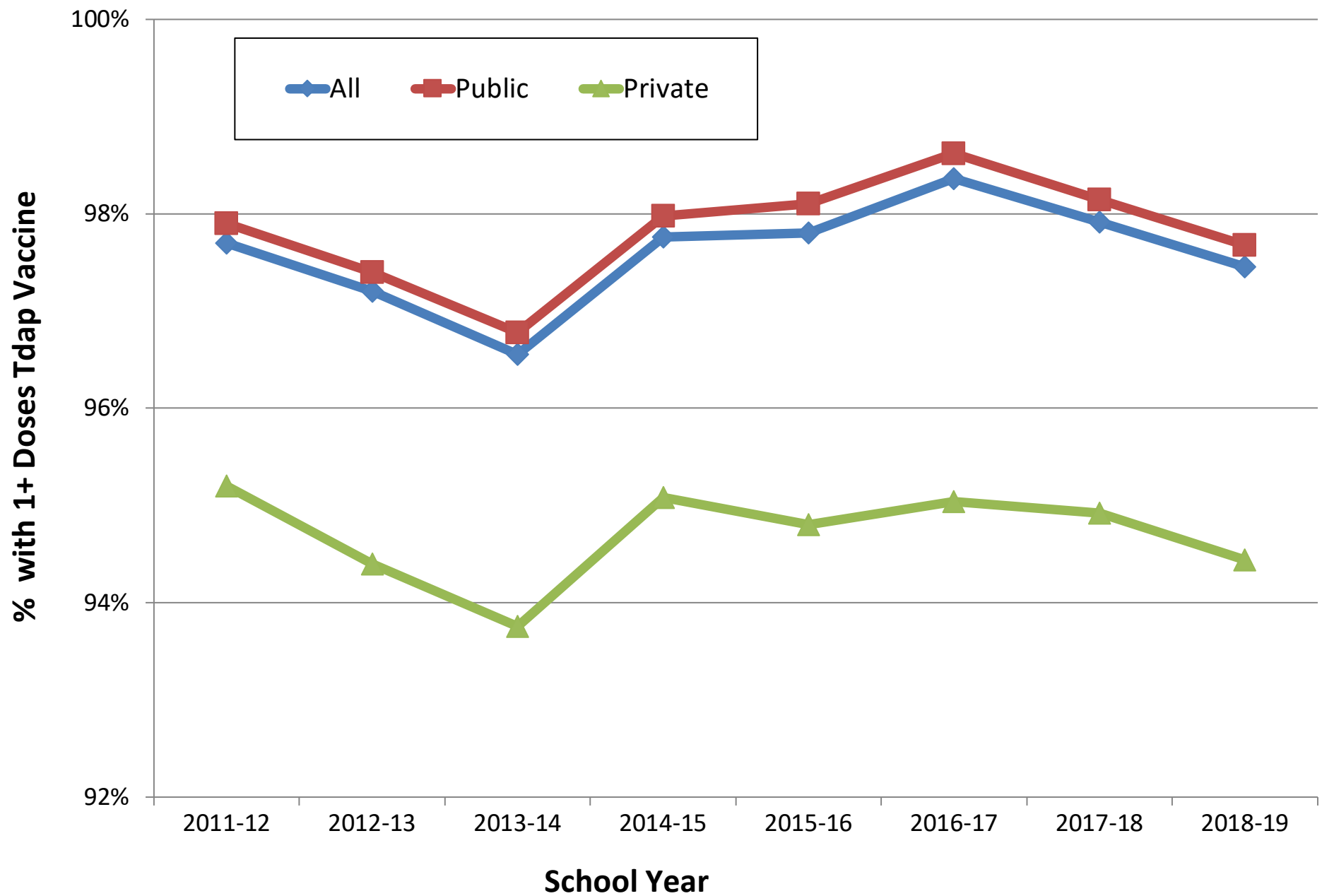


Figure 1. Percentage of 7th Grade Students with 1 or More Doses of Tdap Vaccine, by School Type and School Year, 2011-2012 to 2018-2019

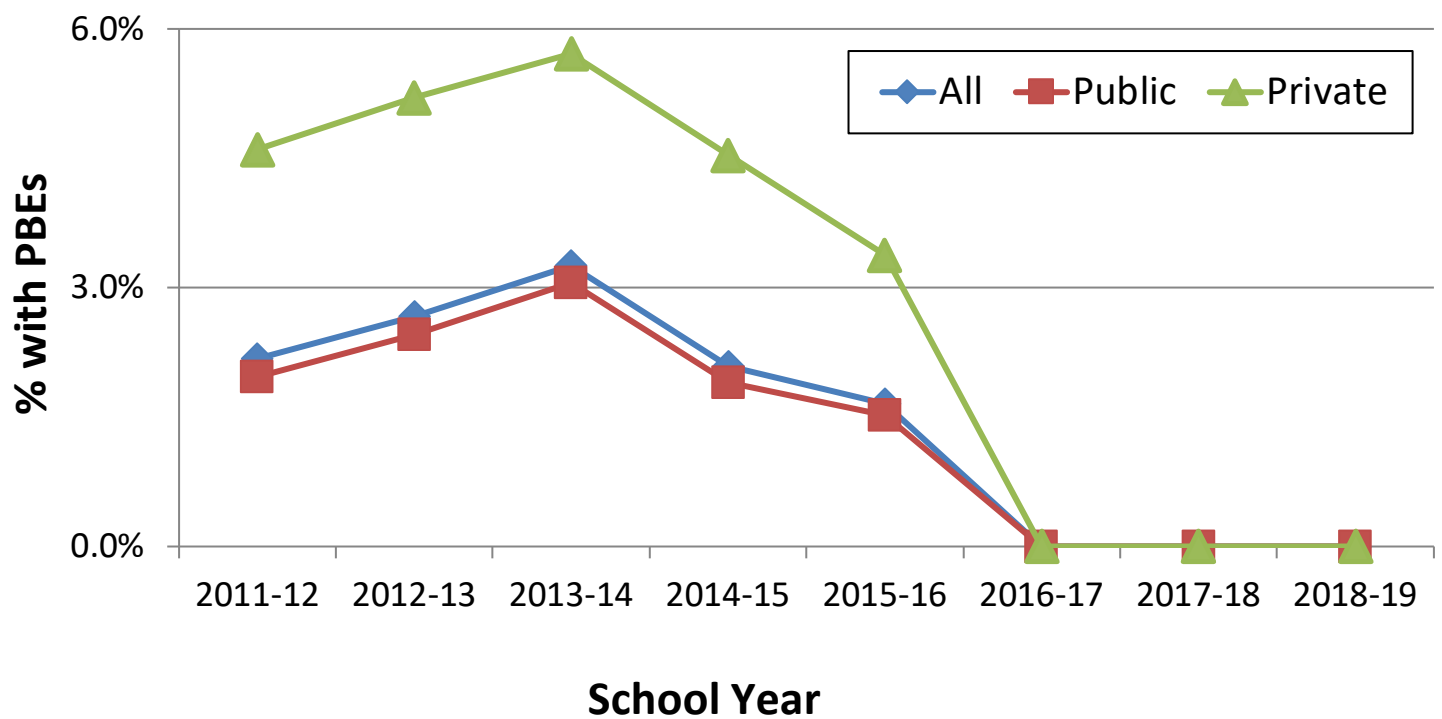


Figure 2. Percentage of 7th Grade Students with Personal Beliefs Exemptions (PBEs), by School Type and School Year, 2011-2012 to 2018-2019

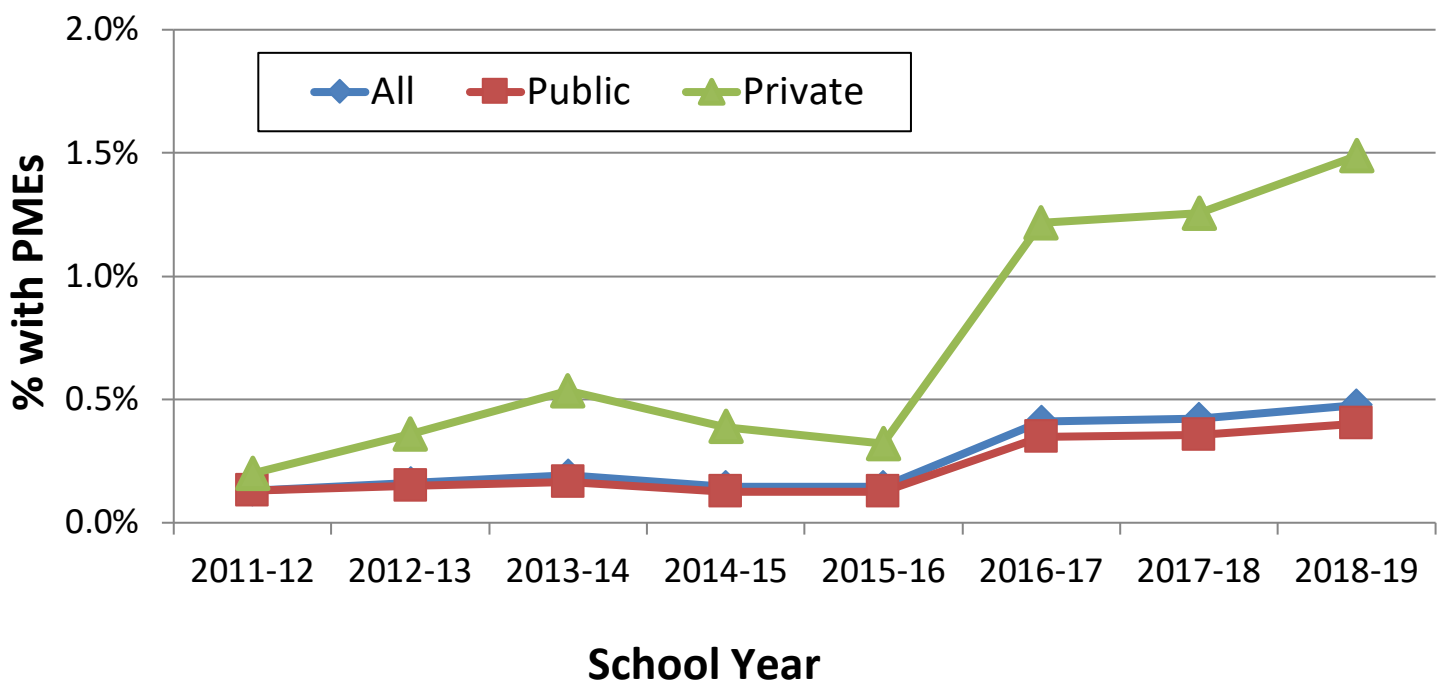
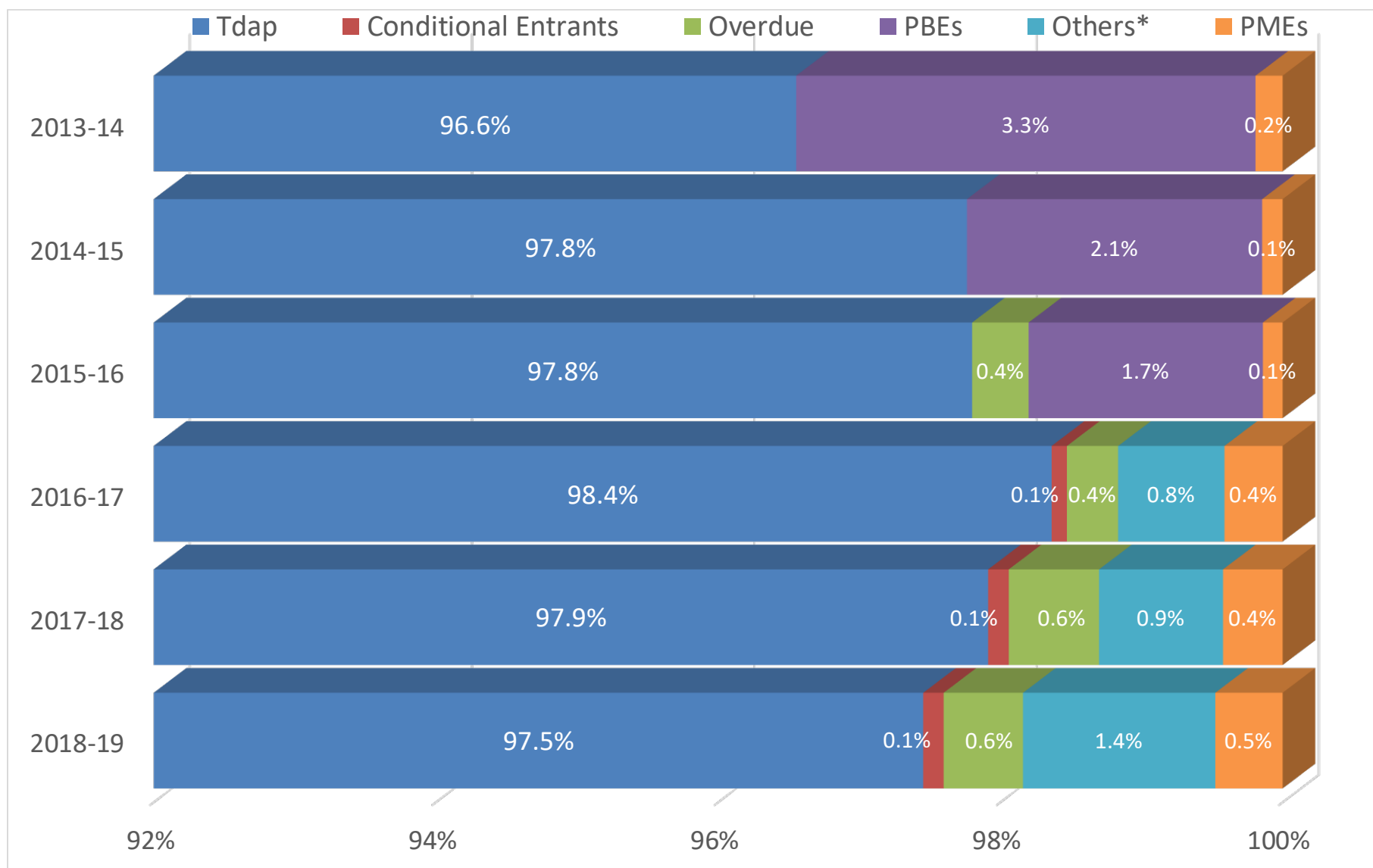
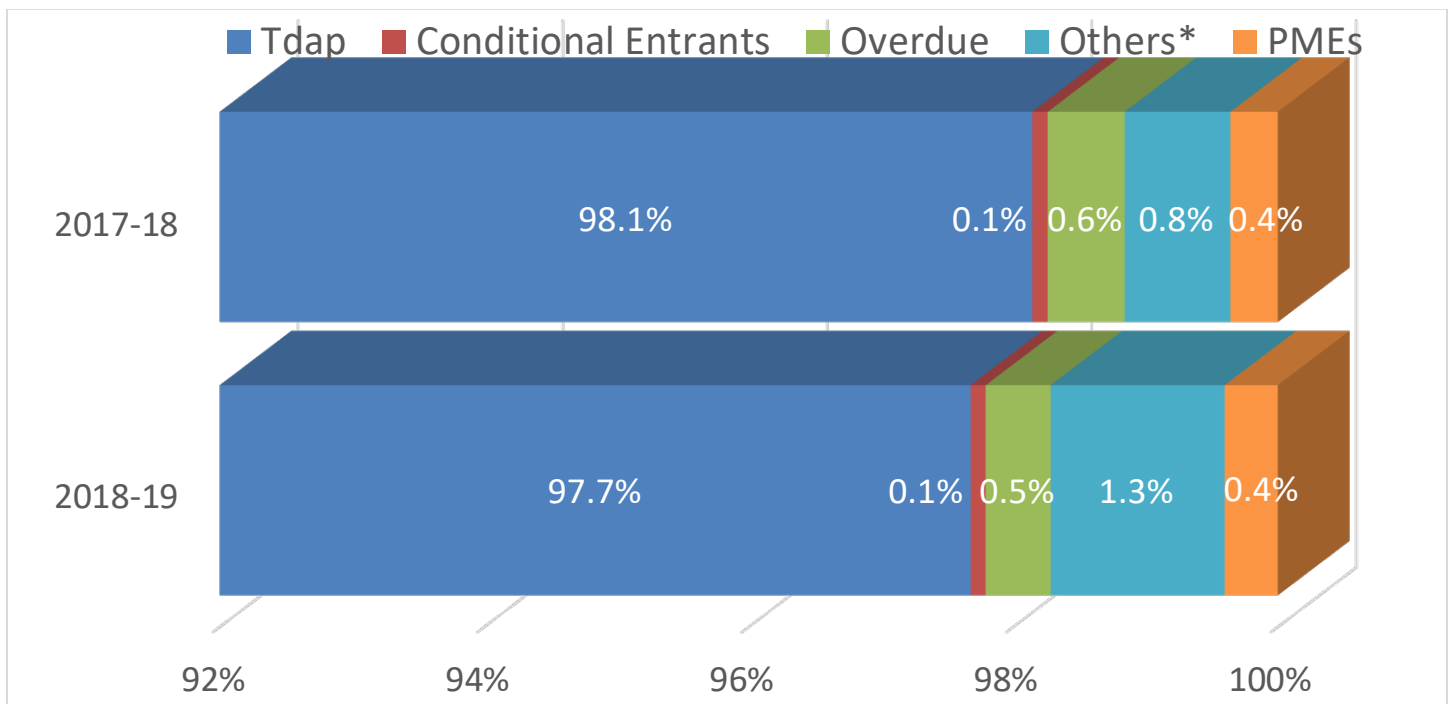


Figure 3. Percentage of 7th Grade Students with Permanent Medical Exemptions (PMEs), by School Type and School Year, 2011-2012 to 2018-2019



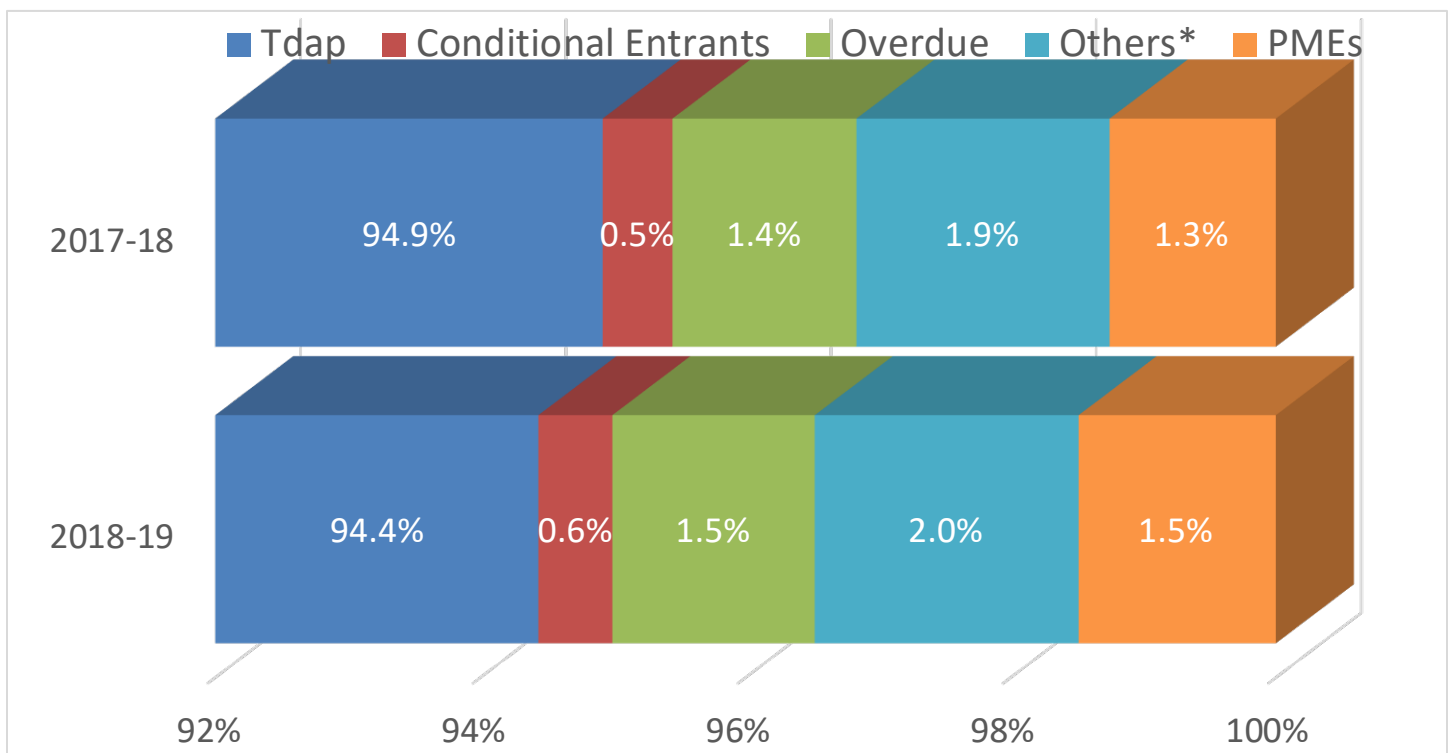
*Other children lacking required immunizations under criteria specified in SB 277.

Figure 4. Percentage of All 7th Grade Students by Reported Admission Status by School Year, 2013-2014 to 2018-2019. In the 2014-2015 and 2015-2016 school years, entrants were subject to AB 2109. 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 7th Grade Students by Reported Admission Status by School Year, 2017-2018 and 2018-2019



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

Figure 6. Percentage of Private School 7th Grade Students by Reported Admission Status by School Year, 2017-2018 and 2018-2019

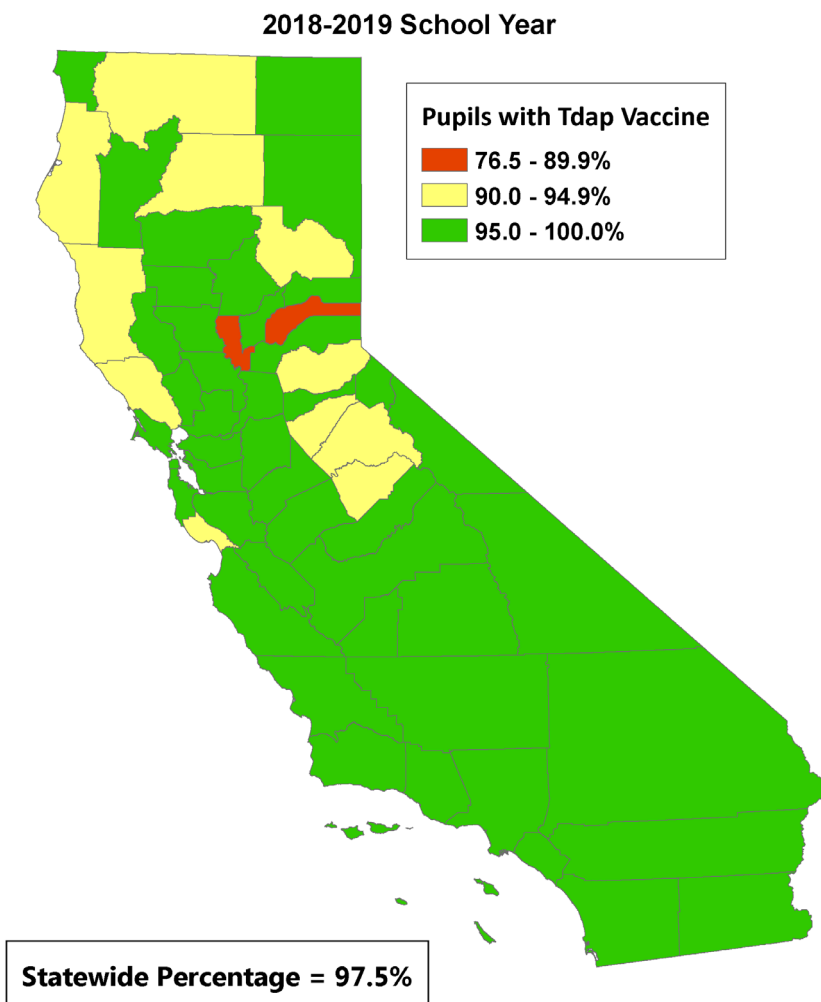
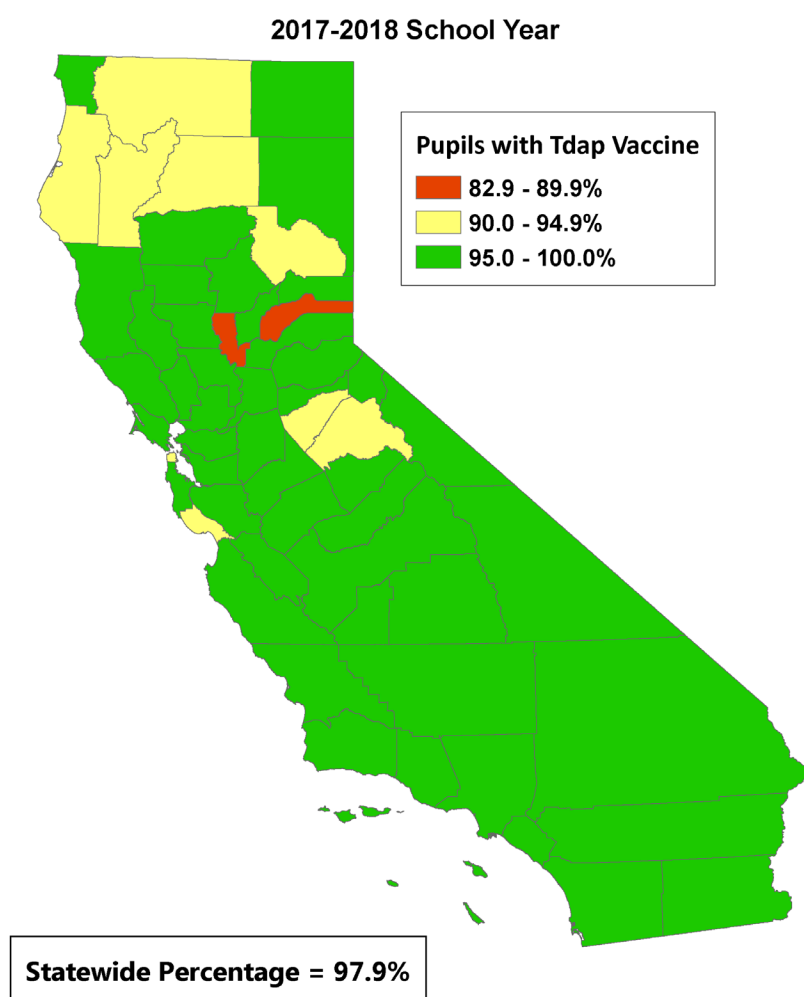


Figure 7. 7th Grade Students with 1 or More Doses of Tdap Vaccine, by County, 2017-2018 and 2018-2019 School Years

Table 1. 7th Grade Immunization Assessment Summary, 2017-2018 and 2018-2019 School Years

	2018-19			2017-18			1-Year Percentage Point Change		
	All	Public	Private	All	Public	Private	All	Public	Private
Number of Schools Reporting	4,749	2,989	1,760	4,771	3,015	1,756			
Number of Students	519,454	483,429	36,025	512,832	476,225	36,607			
Received Tdap*	97.5%	97.7%	94.4%	97.9%	98.1%	94.9%	-0.5%	-0.5%	-0.5%
Conditional Entrants	0.1%	0.1%	0.6%	0.1%	0.1%	0.5%	0.0%	0.0%	0.0%
Permanent Medical Exemptions	0.5%	0.4%	1.5%	0.4%	0.4%	1.3%	0.1%	0.0%	0.2%
Personal Belief Exemptions	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Others Lacking Tdap†	1.4%	1.3%	2.0%	0.9%	0.8%	1.9%	0.5%	0.5%	0.1%
Overdue for Tdap Vaccine^	0.6%	0.5%	1.5%	0.6%	0.6%	1.4%	-0.1%	-0.1%	0.1%

* 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, 2018-2019
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	5,012	4,749	94.8%	3,032	2,989	98.6%	1,980	1,760	88.9%
COUNTY									
ALAMEDA	187	176	94.1%	104	102	98.1%	83	74	89.2%
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	47	47	100.0%	38	38	100.0%	9	9	100.0%
CALAVERAS	7	5	71.4%	5	5	100.0%	2	0	0.0%
COLUSA	7	7	100.0%	6	6	100.0%	1	1	100.0%
CONTRA COSTA	153	145	94.8%	75	75	100.0%	78	70	89.7%
DEL NORTE	7	7	100.0%	6	6	100.0%	1	1	100.0%
EL DORADO	35	35	100.0%	26	26	100.0%	9	9	100.0%
FRESNO	123	123	100.0%	98	98	100.0%	25	25	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	30	30	100.0%	23	23	100.0%	7	7	100.0%
INYO	8	8	100.0%	6	6	100.0%	2	2	100.0%
KERN	112	107	95.5%	81	80	98.8%	31	27	87.1%
KINGS	33	29	87.9%	25	25	100.0%	8	4	50.0%
LAKE	20	19	95.0%	15	15	100.0%	5	4	80.0%
LASSEN	14	12	85.7%	12	12	100.0%	2	0	0.0%
LOS ANGELES	1,166	994	85.2%	589	556	94.4%	577	438	75.9%
MADERA	30	27	90.0%	26	25	96.2%	4	2	50.0%
MARIN	50	49	98.0%	22	22	100.0%	28	27	96.4%
MARIPOSA	9	9	100.0%	9	9	100.0%	0	0	0.0%
MENDOCINO	29	26	89.7%	23	22	95.7%	6	4	66.7%
MERCED	44	44	100.0%	31	31	100.0%	13	13	100.0%
MODOC	4	4	100.0%	4	4	100.0%	0	0	0.0%
MONO	5	5	100.0%	4	4	100.0%	1	1	100.0%
MONTEREY	58	58	100.0%	40	40	100.0%	18	18	100.0%
NAPA	29	28	96.6%	13	13	100.0%	16	15	93.8%
NEVADA	26	26	100.0%	20	20	100.0%	6	6	100.0%

7TH GRADE ASSESSMENT - CALIFORNIA, 2018-2019
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	5,012	4,749	94.8%	3,032	2,989	98.6%	1,980	1,760	88.9%
COUNTY									
ORANGE	287	287	100.0%	133	133	100.0%	154	154	100.0%
PLACER	58	58	100.0%	45	45	100.0%	13	13	100.0%
PLUMAS	8	8	100.0%	6	6	100.0%	2	2	100.0%
RIVERSIDE	206	204	99.0%	129	129	100.0%	77	75	97.4%
SACRAMENTO	178	177	99.4%	112	112	100.0%	66	65	98.5%
SAN BENITO	22	17	77.3%	19	15	78.9%	3	2	66.7%
SAN BERNARDINO	222	214	96.4%	141	141	100.0%	81	73	90.1%
SAN DIEGO	371	371	100.0%	237	237	100.0%	134	134	100.0%
SAN FRANCISCO	102	102	100.0%	27	27	100.0%	75	75	100.0%
SAN JOAQUIN	163	163	100.0%	134	134	100.0%	29	29	100.0%
SAN LUIS OBISPO	33	33	100.0%	20	20	100.0%	13	13	100.0%
SAN MATEO	102	102	100.0%	50	50	100.0%	52	52	100.0%
SANTA BARBARA	64	59	92.2%	36	35	97.2%	28	24	85.7%
SANTA CLARA	216	216	100.0%	104	104	100.0%	112	112	100.0%
SANTA CRUZ	45	42	93.3%	24	24	100.0%	21	18	85.7%
SHASTA	70	63	90.0%	52	52	100.0%	18	11	61.1%
SIERRA	2	2	100.0%	2	2	100.0%	0	0	0.0%
SISKIYOU	27	27	100.0%	24	24	100.0%	3	3	100.0%
SOLANO	52	49	94.2%	32	32	100.0%	20	17	85.0%
SONOMA	82	80	97.6%	55	55	100.0%	27	25	92.6%
STANISLAUS	77	71	92.2%	54	54	100.0%	23	17	73.9%
SUTTER	31	31	100.0%	27	27	100.0%	4	4	100.0%
TEHAMA	26	24	92.3%	21	21	100.0%	5	3	60.0%
TRINITY	11	10	90.9%	10	10	100.0%	1	0	0.0%
TULARE	90	86	95.6%	74	74	100.0%	16	12	75.0%
TUOLUMNE	17	17	100.0%	13	13	100.0%	4	4	100.0%
VENTURA	103	102	99.0%	61	61	100.0%	42	41	97.6%
YOLO	27	27	100.0%	18	18	100.0%	9	9	100.0%
YUBA	14	14	100.0%	12	12	100.0%	2	2	100.0%

7TH GRADE ASSESSMENT - CALIFORNIA, 2018-2019
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	519,454	506,225	97.5%	752	0.1%	2,478	0.5%	7,077	1.4%	2,922	0.6%
COUNTY											
ALAMEDA	19,471	19,127	98.2%	22	0.1%	46	0.2%	75	0.4%	201	1.0%
ALPINE	13	<20*	--*	<20*	--*	<20*	--*	<20*	--*	<20*	--*
AMADOR	341	326	95.6%	2	0.6%	4	1.2%	4	1.2%	5	1.5%
BUTTE	2,617	2,525	96.5%	6	0.2%	24	0.9%	48	1.8%	14	0.5%
CALAVERAS	415	382	92.0%	3	0.7%	3	0.7%	24	5.8%	3	0.7%
COLUSA	399	393	98.5%	0	0.0%	0	0.0%	0	0.0%	6	1.5%
CONTRA COSTA	15,330	15,135	98.7%	26	0.2%	40	0.3%	85	0.6%	44	0.3%
DEL NORTE	351	343	97.7%	0	0.0%	2	0.6%	6	1.7%	0	0.0%
EL DORADO	2,392	2,255	94.3%	14	0.6%	33	1.4%	85	3.6%	5	0.2%
FRESNO	16,432	16,124	98.1%	17	0.1%	42	0.3%	188	1.1%	61	0.4%
GLENN	504	499	99.0%	0	0.0%	2	0.4%	0	0.0%	3	0.6%
HUMBOLDT	1,455	1,364	93.7%	5	0.3%	41	2.8%	12	0.8%	33	2.3%
IMPERIAL	3,092	3,065	99.1%	2	0.1%	8	0.3%	4	0.1%	13	0.4%
INYO	236	--**	≥99.5%	--**	≤0.5%	0	0.0%	0	0.0%	0	0.0%
KERN	15,588	14,977	96.1%	6	0.0%	34	0.2%	501	3.2%	70	0.4%
KINGS	2,326	2,304	99.1%	0	0.0%	2	0.1%	0	0.0%	20	0.9%
LAKE	750	724	96.5%	1	0.1%	5	0.7%	14	1.9%	6	0.8%
LASSEN	286	273	95.5%	0	0.0%	1	0.3%	8	2.8%	4	1.4%
LOS ANGELES	120,491	117,786	97.8%	167	0.1%	400	0.3%	1,423	1.2%	715	0.6%
MADERA	2,656	2,565	96.6%	1	0.0%	5	0.2%	20	0.8%	65	2.4%
MARIN	3,289	3,214	97.7%	13	0.4%	31	0.9%	8	0.2%	23	0.7%
MARIPOSA	164	149	90.9%	2	1.2%	1	0.6%	10	6.1%	2	1.2%
MENDOCINO	1,045	970	92.8%	5	0.5%	24	2.3%	24	2.3%	22	2.1%
MERCED	5,104	5,044	98.8%	2	0.0%	6	0.1%	42	0.8%	10	0.2%
MODOC	128	126	98.4%	0	0.0%	2	1.6%	0	0.0%	0	0.0%
MONO	145	142	97.9%	0	0.0%	2	1.4%	0	0.0%	1	0.7%
MONTEREY	7,016	6,978	99.5%	4	0.1%	23	0.3%	7	0.1%	4	0.1%
NAPA	1,870	1,814	97.0%	3	0.2%	10	0.5%	29	1.6%	14	0.7%
NEVADA	821	737	89.8%	11	1.3%	30	3.7%	40	4.9%	3	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.

** 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, 2018-2019
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	519,454	506,225	97.5%	752	0.1%	2,478	0.5%	7,077	1.4%	2,922	0.6%
COUNTY											
ORANGE	41,320	40,566	98.2%	67	0.2%	261	0.6%	308	0.7%	118	0.3%
PLACER	6,145	5,913	96.2%	16	0.3%	84	1.4%	87	1.4%	45	0.7%
PLUMAS	180	170	94.4%	2	1.1%	5	2.8%	2	1.1%	1	0.6%
RIVERSIDE	35,923	35,450	98.7%	20	0.1%	143	0.4%	164	0.5%	146	0.4%
SACRAMENTO	20,558	19,840	96.5%	51	0.2%	138	0.7%	436	2.1%	93	0.5%
SAN BENITO	986	982	99.6%	0	0.0%	2	0.2%	0	0.0%	2	0.2%
SAN BERNARDINO	33,380	32,342	96.9%	15	0.0%	76	0.2%	691	2.1%	256	0.8%
SAN DIEGO	42,454	40,744	96.0%	51	0.1%	367	0.9%	1,098	2.6%	194	0.5%
SAN FRANCISCO	6,076	5,879	96.8%	8	0.1%	14	0.2%	23	0.4%	152	2.5%
SAN JOAQUIN	12,541	12,306	98.1%	7	0.1%	26	0.2%	126	1.0%	76	0.6%
SAN LUIS OBISPO	3,056	2,984	97.6%	4	0.1%	36	1.2%	28	0.9%	4	0.1%
SAN MATEO	8,618	8,480	98.4%	16	0.2%	29	0.3%	3	0.0%	90	1.0%
SANTA BARBARA	5,733	5,627	98.2%	9	0.2%	42	0.7%	48	0.8%	7	0.1%
SANTA CLARA	24,120	23,843	98.9%	43	0.2%	90	0.4%	59	0.2%	85	0.4%
SANTA CRUZ	3,620	3,317	91.6%	11	0.3%	50	1.4%	218	6.0%	24	0.7%
SHASTA	2,260	2,071	91.6%	17	0.8%	34	1.5%	116	5.1%	22	1.0%
SIERRA	34	--**	≥95.0%	--**	≤5.0%	0	0.0%	0	0.0%	0	0.0%
SISKIYOU	491	452	92.1%	6	1.2%	3	0.6%	25	5.1%	5	1.0%
SOLANO	5,169	5,139	99.4%	1	0.0%	8	0.2%	16	0.3%	5	0.1%
SONOMA	5,794	5,474	94.5%	20	0.3%	87	1.5%	121	2.1%	92	1.6%
STANISLAUS	9,003	8,774	97.5%	12	0.1%	29	0.3%	162	1.8%	26	0.3%
SUTTER	2,039	1,560	76.5%	2	0.1%	2	0.1%	425	20.8%	50	2.5%
TEHAMA	928	884	95.3%	3	0.3%	15	1.6%	9	1.0%	17	1.8%
TRINITY	164	157	95.7%	0	0.0%	7	4.3%	0	0.0%	0	0.0%
TULARE	8,183	8,123	99.3%	2	0.0%	5	0.1%	49	0.6%	4	0.0%
TUOLUMNE	543	492	90.6%	9	1.7%	9	1.7%	24	4.4%	9	1.7%
VENTURA	11,685	11,408	97.6%	12	0.1%	71	0.6%	157	1.3%	37	0.3%
YOLO	2,591	2,528	97.6%	36	1.4%	20	0.8%	3	0.1%	4	0.2%
YUBA	1,133	1,096	96.7%	0	0.0%	4	0.4%	22	1.9%	11	1.0%

† 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, 2018-2019 AND 2017-2018,
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	2018-19	519,454	97.5%	0.1%	0.5%	1.4%	0.6%
	2017-18	512,832	97.9%	0.1%	0.4%	0.9%	0.6%
ALAMEDA	2018-19	19,471	98.2%	0.1%	0.2%	0.4%	1.0%
	2017-18	19,077	98.6%	0.1%	0.2%	0.2%	0.9%
ALPINE	2018-19	13	--*	--*	--*	--*	--*
	2017-18	9	--*	--*	--*	--*	--*
AMADOR	2018-19	341	95.6%	0.6%	1.2%	1.2%	1.5%
	2017-18	336	97.9%	0.0%	0.6%	0.3%	1.2%
BUTTE	2018-19	2,617	96.5%	0.2%	0.9%	1.8%	0.5%
	2017-18	2,431	96.6%	0.6%	0.5%	2.1%	0.1%
CALAVERAS	2018-19	415	92.0%	0.7%	0.7%	5.8%	0.7%
	2017-18	439	91.1%	0.9%	0.7%	7.1%	0.2%
COLUSA	2018-19	399	98.5%	0.0%	0.0%	0.0%	1.5%
	2017-18	471	99.6%	0.0%	0.0%	0.4%	0.0%
CONTRA	2018-19	15,330	98.7%	0.2%	0.3%	0.6%	0.3%
	2017-18	14,825	98.2%	0.1%	0.3%	0.5%	0.9%
DEL NORTE	2018-19	351	97.7%	0.0%	0.6%	1.7%	0.0%
	2017-18	333	97.3%	1.5%	0.3%	0.9%	0.0%
EL DORADO	2018-19	2,392	94.3%	0.6%	1.4%	3.6%	0.2%
	2017-18	2,296	95.3%	0.5%	1.3%	2.8%	0.1%
FRESNO	2018-19	16,432	98.1%	0.1%	0.3%	1.1%	0.4%
	2017-18	16,387	98.8%	0.1%	0.2%	0.8%	0.2%
GLENN	2018-19	504	99.0%	0.0%	0.4%	0.0%	0.6%
	2017-18	462	99.8%	0.2%	0.0%	0.0%	0.0%
HUMBOLDT	2018-19	1,455	93.7%	0.3%	2.8%	0.8%	2.3%
	2017-18	1,481	93.5%	0.7%	2.3%	2.4%	1.1%
IMPERIAL	2018-19	3,092	99.1%	0.1%	0.3%	0.1%	0.4%
	2017-18	3,321	99.3%	0.1%	0.0%	0.3%	0.2%
INYO	2018-19	236	≥99.5%	≤0.5%	0.0%	0.0%	0.0%
	2017-18	210	≥99.5%	≤0.5%	0.0%	0.0%	0.0%
KERN	2018-19	15,588	96.1%	0.0%	0.2%	3.2%	0.4%
	2017-18	14,786	96.9%	0.1%	0.3%	0.5%	2.3%

† 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.

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7TH GRADE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2018-2019 AND 2017-2018,
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	2018-19	519,454	97.5%	0.1%	0.5%	1.4%	0.6%
	2017-18	512,832	97.9%	0.1%	0.4%	0.9%	0.6%
KINGS	2018-19	2,326	99.1%	0.0%	0.1%	0.0%	0.9%
	2017-18	2,339	99.8%	0.0%	0.0%	0.0%	0.1%
LAKE	2018-19	750	96.5%	0.1%	0.7%	1.9%	0.8%
	2017-18	784	95.4%	0.6%	1.9%	1.4%	0.6%
LASSEN	2018-19	286	95.5%	0.0%	0.3%	2.8%	1.4%
	2017-18	286	97.6%	0.3%	0.3%	1.7%	0.0%
LOS ANGELES	2018-19	120,491	97.8%	0.1%	0.3%	1.2%	0.6%
	2017-18	122,266	98.2%	0.1%	0.3%	0.6%	0.7%
MADERA	2018-19	2,656	96.6%	0.0%	0.2%	0.8%	2.4%
	2017-18	2,420	97.9%	0.0%	0.1%	0.5%	1.5%
MARIN	2018-19	3,289	97.7%	0.4%	0.9%	0.2%	0.7%
	2017-18	3,190	97.8%	0.3%	1.1%	0.3%	0.5%
MARIPOSA	2018-19	164	90.9%	1.2%	0.6%	6.1%	1.2%
	2017-18	143	96.5%	0.7%	1.4%	1.4%	0.0%
MENDOCINO	2018-19	1,045	92.8%	0.5%	2.3%	2.3%	2.1%
	2017-18	1,099	95.8%	0.2%	1.2%	1.5%	1.4%
MERCED	2018-19	5,104	98.8%	0.0%	0.1%	0.8%	0.2%
	2017-18	5,113	99.1%	0.0%	0.1%	0.5%	0.2%
MODOC	2018-19	128	98.4%	0.0%	1.6%	0.0%	0.0%
	2017-18	101	≥99.0%	≤1.0%	0.0%	0.0%	0.0%
MONO	2018-19	145	97.9%	0.0%	1.4%	0.0%	0.7%
	2017-18	131	97.7%	2.3%	0.0%	0.0%	0.0%
MONTEREY	2018-19	7,016	99.5%	0.1%	0.3%	0.1%	0.1%
	2017-18	6,344	99.1%	0.1%	0.4%	0.3%	0.1%
NAPA	2018-19	1,870	97.0%	0.2%	0.5%	1.6%	0.7%
	2017-18	1,814	97.4%	0.1%	0.6%	1.7%	0.3%
NEVADA	2018-19	821	89.8%	1.3%	3.7%	4.9%	0.4%
	2017-18	797	88.5%	1.6%	3.0%	6.3%	0.6%
ORANGE	2018-19	41,320	98.2%	0.2%	0.6%	0.7%	0.3%
	2017-18	41,114	98.2%	0.2%	0.6%	0.8%	0.3%

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

^ Overdue for Tdap immunization.

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

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7TH GRADE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2018-2019 AND 2017-2018,
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	2018-19	519,454	97.5%	0.1%	0.5%	1.4%	0.6%
	2017-18	512,832	97.9%	0.1%	0.4%	0.9%	0.6%
PLACER	2018-19	6,145	96.2%	0.3%	1.4%	1.4%	0.7%
	2017-18	5,953	96.7%	0.3%	1.0%	1.6%	0.3%
PLUMAS	2018-19	180	94.4%	1.1%	2.8%	1.1%	0.6%
	2017-18	213	94.8%	0.9%	1.9%	2.3%	0.0%
RIVERSIDE	2018-19	35,923	98.7%	0.1%	0.4%	0.5%	0.4%
	2017-18	34,483	98.8%	0.1%	0.3%	0.6%	0.3%
SACRAMENTO	2018-19	20,558	96.5%	0.2%	0.7%	2.1%	0.5%
	2017-18	19,823	97.0%	0.3%	0.4%	2.1%	0.2%
SAN BENITO	2018-19	986	99.6%	0.0%	0.2%	0.0%	0.2%
	2017-18	904	99.3%	0.0%	0.4%	0.0%	0.2%
SAN BERNARDINO	2018-19	33,380	96.9%	0.0%	0.2%	2.1%	0.8%
	2017-18	32,431	98.3%	0.0%	0.2%	1.3%	0.2%
SAN DIEGO	2018-19	42,454	96.0%	0.1%	0.9%	2.6%	0.5%
	2017-18	41,440	96.9%	0.2%	0.7%	1.2%	1.1%
SAN FRANCISCO	2018-19	6,076	96.8%	0.1%	0.2%	0.4%	2.5%
	2017-18	6,025	94.9%	0.1%	0.3%	0.5%	4.1%
SAN JOAQUIN	2018-19	12,541	98.1%	0.1%	0.2%	1.0%	0.6%
	2017-18	12,097	98.8%	0.0%	0.2%	0.8%	0.2%
SAN LUIS OBISPO	2018-19	3,056	97.6%	0.1%	1.2%	0.9%	0.1%
	2017-18	3,132	97.5%	0.2%	1.1%	0.8%	0.4%
SAN MATEO	2018-19	8,618	98.4%	0.2%	0.3%	0.0%	1.0%
	2017-18	8,512	98.3%	0.1%	0.4%	0.0%	1.2%
SANTA BARBARA	2018-19	5,733	98.2%	0.2%	0.7%	0.8%	0.1%
	2017-18	6,163	98.7%	0.1%	0.5%	0.6%	0.1%
SANTA CLARA	2018-19	24,120	98.9%	0.2%	0.4%	0.2%	0.4%
	2017-18	23,987	98.9%	0.1%	0.4%	0.2%	0.3%
SANTA CRUZ	2018-19	3,620	91.6%	0.3%	1.4%	6.0%	0.7%
	2017-18	3,416	92.5%	0.1%	2.0%	4.9%	0.6%
SHASTA	2018-19	2,260	91.6%	0.8%	1.5%	5.1%	1.0%
	2017-18	2,086	94.6%	1.2%	1.0%	2.0%	1.2%

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

^ Overdue for Tdap immunization.

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7TH GRADE IMMUNIZATION ASSESSMENT - CALIFORNIA, 2017-2018
TABLE 4: TOTAL ENROLLMENT AND ADMISSION STATUS, 2018-2019 AND 2017-2018,
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	2018-19	519,454	97.5%	0.1%	0.5%	1.4%	0.6%
	2017-18	512,832	97.9%	0.1%	0.4%	0.9%	0.6%
SIERRA	2018-19	34	≥95.0%	≤5.0%	0.0%	0.0%	0.0%
	2017-18	27	≥95.0%	≤5.0%	0.0%	0.0%	0.0%
SISKIYOU	2018-19	491	92.1%	1.2%	0.6%	5.1%	1.0%
	2017-18	479	92.1%	0.8%	0.4%	6.5%	0.2%
SOLANO	2018-19	5,169	99.4%	0.0%	0.2%	0.3%	0.1%
	2017-18	5,135	99.1%	0.1%	0.1%	0.4%	0.2%
SONOMA	2018-19	5,794	94.5%	0.3%	1.5%	2.1%	1.6%
	2017-18	5,685	96.2%	0.3%	1.7%	1.1%	0.7%
STANISLAUS	2018-19	9,003	97.5%	0.1%	0.3%	1.8%	0.3%
	2017-18	8,904	97.8%	0.1%	0.3%	0.3%	1.4%
SUTTER	2018-19	2,039	76.5%	0.1%	0.1%	20.8%	2.5%
	2017-18	1,988	82.9%	0.1%	0.4%	16.4%	0.3%
TEHAMA	2018-19	928	95.3%	0.3%	1.6%	1.0%	1.8%
	2017-18	898	97.6%	0.2%	0.9%	0.8%	0.6%
TRINITY	2018-19	164	95.7%	0.0%	4.3%	0.0%	0.0%
	2017-18	139	90.6%	1.4%	5.8%	2.2%	0.0%
TULARE	2018-19	8,183	99.3%	0.0%	0.1%	0.6%	0.0%
	2017-18	8,422	99.0%	0.0%	0.1%	0.8%	0.1%
TUOLUMNE	2018-19	543	90.6%	1.7%	1.7%	4.4%	1.7%
	2017-18	499	91.2%	1.6%	2.2%	3.6%	1.4%
VENTURA	2018-19	11,685	97.6%	0.1%	0.6%	1.3%	0.3%
	2017-18	11,518	97.8%	0.1%	0.6%	1.1%	0.4%
YOLO	2018-19	2,591	97.6%	1.4%	0.8%	0.1%	0.2%
	2017-18	2,482	97.8%	0.4%	0.3%	0.2%	1.3%
YUBA	2018-19	1,133	96.7%	0.0%	0.4%	1.9%	1.0%
	2017-18	1,186	97.0%	0.0%	0.1%	1.4%	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.

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7TH GRADE ASSESSMENT - CALIFORNIA, 2018-2019

TABLE 5: NUMBER AND PERCENTAGE OF STUDENTS WITH ONE OR MORE DOSES OF TDAP VACCINE IN 2018-2019 AND 2017-2018,
AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			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	519,454	506,225	97.5%	512,832	502,131	97.9%	-0.5%	4,094
COUNTY								
ALAMEDA	19,471	19,127	98.2%	19,077	18,818	98.6%	-0.4%	309
ALPINE	13	<20*	--*	8	<20*	--*	--*	--*
AMADOR	341	326	95.6%	336	329	97.9%	-2.3%	-3
BUTTE	2,617	2,525	96.5%	2,431	2,349	96.6%	-0.1%	176
CALAVERAS	415	382	92.0%	439	400	91.1%	0.9%	-18
COLUSA	399	393	98.5%	471	469	99.6%	-1.1%	-76
CONTRA COSTA	15,330	15,135	98.7%	14,825	14,564	98.2%	0.5%	571
DEL NORTE	351	343	97.7%	333	324	97.3%	0.4%	19
EL DORADO	2,392	2,255	94.3%	2,296	2,189	95.3%	-1.1%	66
FRESNO	16,432	16,124	98.1%	16,387	16,185	98.8%	-0.6%	-61
GLENN	504	499	99.0%	462	461	99.8%	-0.8%	38
HUMBOLDT	1,455	1,364	93.7%	1,481	1,385	93.5%	0.2%	-21
IMPERIAL	3,092	3,065	99.1%	3,321	3,299	99.3%	-0.2%	-234
INYO	236	--**	≥99.5%	210	210	--**	≥99.5%	--**
KERN	15,588	14,977	96.1%	14,786	14,324	96.9%	-0.8%	653
KINGS	2,326	2,304	99.1%	2,339	2,335	99.8%	-0.8%	-31
LAKE	750	724	96.5%	784	748	95.4%	1.1%	-24
LASSEN	286	273	95.5%	286	279	97.6%	-2.1%	-6
LOS ANGELES	120,491	117,786	97.8%	122,266	120,123	98.2%	-0.5%	-2,337
MADERA	2,656	2,565	96.6%	2,420	2,368	97.9%	-1.3%	197
MARIN	3,289	3,214	97.7%	3,190	3,120	97.8%	-0.1%	94
MARIPOSA	164	149	90.9%	143	138	96.5%	-5.6%	11
MENDOCINO	1,045	970	92.8%	1,099	1,053	95.8%	-3.0%	-83
MERCED	5,104	5,044	98.8%	5,113	5,069	99.1%	-0.3%	-25
MODOC	128	126	98.4%	101	--**	≥99.0%	--**	--**
MONO	145	142	97.9%	131	128	97.7%	0.2%	14
MONTEREY	7,016	6,978	99.5%	6,344	6,287	99.1%	0.4%	691
NAPA	1,870	1,814	97.0%	1,814	1,766	97.4%	-0.3%	48
NEVADA	821	737	89.8%	797	705	88.5%	1.3%	32

* 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, 2018-2019

TABLE 5: NUMBER AND PERCENTAGE OF STUDENTS WITH ONE OR MORE DOSES OF TDAP VACCINE IN 2018-2019 AND 2017-2018,
AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			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	519,454	506,225	97.5%	512,832	502,131	97.9%	-0.5%	4,094
COUNTY								
ORANGE	41,320	40,566	98.2%	41,114	40,359	98.2%	0.0%	207
PLACER	6,145	5,913	96.2%	5,953	5,759	96.7%	-0.5%	154
PLUMAS	180	170	94.4%	213	202	94.8%	-0.4%	-32
RIVERSIDE	35,923	35,450	98.7%	34,483	34,058	98.8%	-0.1%	1,392
SACRAMENTO	20,558	19,840	96.5%	19,823	19,237	97.0%	-0.5%	603
SAN BENITO	986	982	99.6%	904	898	99.3%	0.3%	84
SAN BERNARDINO	33,380	32,342	96.9%	32,431	31,882	98.3%	-1.4%	460
SAN DIEGO	42,454	40,744	96.0%	41,440	40,148	96.9%	-0.9%	596
SAN FRANCISCO	6,076	5,879	96.8%	6,025	5,716	94.9%	1.9%	163
SAN JOAQUIN	12,541	12,306	98.1%	12,097	11,947	98.8%	-0.6%	359
SAN LUIS OBISPO	3,056	2,984	97.6%	3,132	3,054	97.5%	0.1%	-70
SAN MATEO	8,618	8,480	98.4%	8,512	8,366	98.3%	0.1%	114
SANTA BARBARA	5,733	5,627	98.2%	6,163	6,082	98.7%	-0.5%	-455
SANTA CLARA	24,120	23,843	98.9%	23,987	23,735	98.9%	-0.1%	108
SANTA CRUZ	3,620	3,317	91.6%	3,416	3,159	92.5%	-0.8%	158
SHASTA	2,260	2,071	91.6%	2,086	1,974	94.6%	-3.0%	97
SIERRA	34	--**	≥95.0%	27	--**	≥95.0%	--**	--**
SISKIYOU	491	452	92.1%	479	441	92.1%	0.0%	11
SOLANO	5,169	5,139	99.4%	5,135	5,091	99.1%	0.3%	48
SONOMA	5,794	5,474	94.5%	5,685	5,467	96.2%	-1.7%	7
STANISLAUS	9,003	8,774	97.5%	8,904	8,710	97.8%	-0.4%	64
SUTTER	2,039	1,560	76.5%	1,988	1,649	82.9%	-6.4%	-89
TEHAMA	928	884	95.3%	898	876	97.6%	-2.3%	8
TRINITY	164	157	95.7%	139	126	90.6%	5.1%	31
TULARE	8,183	8,123	99.3%	8,422	8,334	99.0%	0.3%	-211
TUOLUMNE	543	492	90.6%	499	455	91.2%	-0.6%	37
VENTURA	11,685	11,408	97.6%	11,518	11,267	97.8%	-0.2%	141
YOLO	2,591	2,528	97.6%	2,482	2,427	97.8%	-0.2%	101
YUBA	1,133	1,096	96.7%	1,186	1,150	97.0%	-0.2%	-54

* 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, 2018-2019

TABLE 6: NUMBER AND PERCENTAGE OF STUDENTS WITH A PERMANENT MEDICAL EXEMPTION (PME) IN 2018-2019 AND 2017-2018,
AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	ENTRANTS WITH PME	PERCENT	TOTAL STUDENTS	ENTRANTS WITH PME	PERCENT	PERCENT	ENTRANTS WITH PME
STATE TOTAL	519,454	2,478	0.5%	512,832	2,164	0.4%	0.1%	314
COUNTY								
ALAMEDA	19,471	46	0.2%	19,077	37	0.2%	0.0%	9
ALPINE	13	<20*	--*	10	<20*	--*	--*	--*
AMADOR	341	4	1.2%	336	2	0.6%	0.6%	2
BUTTE	2,617	24	0.9%	2,431	13	0.5%	0.4%	11
CALAVERAS	415	3	0.7%	439	3	0.7%	0.0%	0
COLUSA	399	0	0.0%	471	0	0.0%	0.0%	0
CONTRA COSTA	15,330	40	0.3%	14,825	50	0.3%	-0.1%	-10
DEL NORTE	351	2	0.6%	333	1	0.3%	0.3%	1
EL DORADO	2,392	33	1.4%	2,296	30	1.3%	0.1%	3
FRESNO	16,432	42	0.3%	16,387	34	0.2%	0.0%	8
GLENN	504	2	0.4%	462	0	0.0%	0.4%	2
HUMBOLDT	1,455	41	2.8%	1,481	34	2.3%	0.5%	7
IMPERIAL	3,092	8	0.3%	3,321	1	0.0%	0.2%	7
INYO	236	0	0.0%	210	0	0.0%	0.0%	0
KERN	15,588	34	0.2%	14,786	37	0.3%	0.0%	-3
KINGS	2,326	2	0.1%	2,339	0	0.0%	0.1%	2
LAKE	750	5	0.7%	784	15	1.9%	-1.2%	-10
LASSEN	286	1	0.3%	286	1	0.3%	0.0%	0
LOS ANGELES	120,491	400	0.3%	122,266	394	0.3%	0.0%	6
MADERA	2,656	5	0.2%	2,420	3	0.1%	0.1%	2
MARIN	3,289	31	0.9%	3,190	35	1.1%	-0.2%	-4
MARIPOSA	164	1	0.6%	143	2	1.4%	-0.8%	-1
MENDOCINO	1,045	24	2.3%	1,099	13	1.2%	1.1%	11
MERCED	5,104	6	0.1%	5,113	7	0.1%	0.0%	-1
MODOC	128	2	1.6%	101	0	0.0%	1.6%	2
MONO	145	2	1.4%	131	0	0.0%	1.4%	2
MONTEREY	7,016	23	0.3%	6,344	25	0.4%	-0.1%	-2
NAPA	1,870	10	0.5%	1,814	10	0.6%	0.0%	0
NEVADA	821	30	3.7%	797	24	3.0%	0.6%	6

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

7TH GRADE ASSESSMENT - CALIFORNIA, 2018-2019

TABLE 6: NUMBER AND PERCENTAGE OF STUDENTS WITH A PERMANENT MEDICAL EXEMPTION (PME) IN 2018-2019 AND 2017-2018,
AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			1-YEAR PERCENTAGE POINT CHANGE	
	TOTAL STUDENTS	ENTRANTS WITH PME	PERCENT	TOTAL STUDENTS	ENTRANTS WITH PME	PERCENT	PERCENT	ENTRANTS WITH PME
STATE TOTAL	519,454	2,478	0.5%	512,832	2,164	0.4%	0.1%	314
COUNTY								
ORANGE	41,320	261	0.6%	41,114	238	0.6%	0.1%	23
PLACER	6,145	84	1.4%	5,953	58	1.0%	0.4%	26
PLUMAS	180	5	2.8%	213	4	1.9%	0.9%	1
RIVERSIDE	35,923	143	0.4%	34,483	111	0.3%	0.1%	32
SACRAMENTO	20,558	138	0.7%	19,823	72	0.4%	0.3%	66
SAN BENITO	986	2	0.2%	904	4	0.4%	-0.2%	-2
SAN BERNARDINO	33,380	76	0.2%	32,431	50	0.2%	0.1%	26
SAN DIEGO	42,454	367	0.9%	41,440	270	0.7%	0.2%	97
SAN FRANCISCO	6,076	14	0.2%	6,025	19	0.3%	-0.1%	-5
SAN JOAQUIN	12,541	26	0.2%	12,097	24	0.2%	0.0%	2
SAN LUIS OBISPO	3,056	36	1.2%	3,132	35	1.1%	0.1%	1
SAN MATEO	8,618	29	0.3%	8,512	35	0.4%	-0.1%	-6
SANTA BARBARA	5,733	42	0.7%	6,163	30	0.5%	0.2%	12
SANTA CLARA	24,120	90	0.4%	23,987	96	0.4%	0.0%	-6
SANTA CRUZ	3,620	50	1.4%	3,416	68	2.0%	-0.6%	-18
SHASTA	2,260	34	1.5%	2,086	21	1.0%	0.5%	13
SIERRA	34	0	0.0%	27	0	0.0%	0.0%	0
SISKIYOU	491	3	0.6%	479	2	0.4%	0.2%	1
SOLANO	5,169	8	0.2%	5,135	5	0.1%	0.1%	3
SONOMA	5,794	87	1.5%	5,685	98	1.7%	-0.2%	-11
STANISLAUS	9,003	29	0.3%	8,904	31	0.3%	0.0%	-2
SUTTER	2,039	2	0.1%	1,988	7	0.4%	-0.3%	-5
TEHAMA	928	15	1.6%	898	8	0.9%	0.7%	7
TRINITY	164	7	4.3%	139	8	5.8%	-1.5%	-1
TULARE	8,183	5	0.1%	8,422	11	0.1%	-0.1%	-6
TUOLUMNE	543	9	1.7%	499	11	2.2%	-0.5%	-2
VENTURA	11,685	71	0.6%	11,518	68	0.6%	0.0%	3
YOLO	2,591	20	0.8%	2,482	8	0.3%	0.4%	12
YUBA	1,133	4	0.4%	1,186	1	0.1%	0.3%	3

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

7TH GRADE ASSESSMENT - CALIFORNIA, 2018-2019

TABLE 7: NUMBER AND PERCENTAGE OF OTHER STUDENTS LACKING TDAP VACCINE†, IN 2018-2019 AND 2017-2018,
AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			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	519,454	7,077	1.4%	512,832	4,506	0.9%	0.5%	2,571
COUNTY								
ALAMEDA	19,471	75	0.4%	19,077	31	0.2%	0.2%	44
ALPINE	13	<20*	--*	10	0	0.0%	--*	--*
AMADOR	341	4	1.2%	336	1	0.3%	0.9%	3
BUTTE	2,617	48	1.8%	2,431	52	2.1%	-0.3%	-4
CALAVERAS	415	24	5.8%	439	31	7.1%	-1.3%	-7
COLUSA	399	0	0.0%	471	2	0.4%	-0.4%	-2
CONTRA COSTA	15,330	85	0.6%	14,825	67	0.5%	0.1%	18
DEL NORTE	351	6	1.7%	333	3	0.9%	0.8%	3
EL DORADO	2,392	85	3.6%	2,296	64	2.8%	0.8%	21
FRESNO	16,432	188	1.1%	16,387	124	0.8%	0.4%	64
GLENN	504	0	0.0%	462	0	0.0%	0.0%	0
HUMBOLDT	1,455	12	0.8%	1,481	36	2.4%	-1.6%	-24
IMPERIAL	3,092	4	0.1%	3,321	10	0.3%	-0.2%	-6
INYO	236	0	0.0%	210	0	0.0%	0.0%	0
KERN	15,588	501	3.2%	14,786	77	0.5%	2.7%	424
KINGS	2,326	0	0.0%	2,339	1	0.0%	0.0%	-1
LAKE	750	14	1.9%	784	11	1.4%	0.5%	3
LASSEN	286	8	2.8%	286	5	1.7%	1.0%	3
LOS ANGELES	120,491	1,423	1.2%	122,266	711	0.6%	0.6%	712
MADERA	2,656	20	0.8%	2,420	11	0.5%	0.3%	9
MARIN	3,289	8	0.2%	3,190	10	0.3%	-0.1%	-2
MARIPOSA	164	10	6.1%	143	2	1.4%	4.7%	8
MENDOCINO	1,045	24	2.3%	1,099	16	1.5%	0.8%	8
MERCED	5,104	42	0.8%	5,113	27	0.5%	0.3%	15
MODOC	128	0	0.0%	101	0	0.0%	0.0%	0
MONO	145	0	0.0%	131	0	0.0%	0.0%	0
MONTEREY	7,016	7	0.1%	6,344	19	0.3%	-0.2%	-12
NAPA	1,870	29	1.6%	1,814	31	1.7%	-0.2%	-2
NEVADA	821	40	4.9%	797	50	6.3%	-1.4%	-10

† 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, 2018-2019

TABLE 7: NUMBER AND PERCENTAGE OF OTHER STUDENTS LACKING TDAP VACCINE†, IN 2018-2019 AND 2017-2018,
AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			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	519,454	7,077	1.4%	512,832	4,506	0.9%	0.5%	2,571
COUNTY								
ORANGE	41,320	308	0.7%	41,114	331	0.8%	-0.1%	-23
PLACER	6,145	87	1.4%	5,953	98	1.6%	-0.2%	-11
PLUMAS	180	2	1.1%	213	5	2.3%	-1.2%	-3
RIVERSIDE	35,923	164	0.5%	34,483	201	0.6%	-0.1%	-37
SACRAMENTO	20,558	436	2.1%	19,823	414	2.1%	0.0%	22
SAN BENITO	986	0	0.0%	904	0	0.0%	0.0%	0
SAN BERNARDINO	33,380	691	2.1%	32,431	406	1.3%	0.8%	285
SAN DIEGO	42,454	1,098	2.6%	41,440	479	1.2%	1.4%	619
SAN FRANCISCO	6,076	23	0.4%	6,025	33	0.5%	-0.2%	-10
SAN JOAQUIN	12,541	126	1.0%	12,097	93	0.8%	0.2%	33
SAN LUIS OBISPO	3,056	28	0.9%	3,132	26	0.8%	0.1%	2
SAN MATEO	8,618	3	0.0%	8,512	3	0.0%	0.0%	0
SANTA BARBARA	5,733	48	0.8%	6,163	39	0.6%	0.2%	9
SANTA CLARA	24,120	59	0.2%	23,987	59	0.2%	0.0%	0
SANTA CRUZ	3,620	218	6.0%	3,416	168	4.9%	1.1%	50
SHASTA	2,260	116	5.1%	2,086	42	2.0%	3.1%	74
SIERRA	34	0	0.0%	27	0	0.0%	0.0%	0
SISKIYOU	491	25	5.1%	479	31	6.5%	-1.4%	-6
SOLANO	5,169	16	0.3%	5,135	23	0.4%	-0.1%	-7
SONOMA	5,794	121	2.1%	5,685	64	1.1%	1.0%	57
STANISLAUS	9,003	162	1.8%	8,904	29	0.3%	1.5%	133
SUTTER	2,039	425	20.8%	1,988	326	16.4%	4.4%	99
TEHAMA	928	9	1.0%	898	7	0.8%	0.2%	2
TRINITY	164	0	0.0%	139	3	2.2%	-2.2%	-3
TULARE	8,183	49	0.6%	8,422	65	0.8%	-0.2%	-16
TUOLUMNE	543	24	4.4%	499	18	3.6%	0.8%	6
VENTURA	11,685	157	1.3%	11,518	128	1.1%	0.2%	29
YOLO	2,591	3	0.1%	2,482	6	0.2%	-0.1%	-3
YUBA	1,133	22	1.9%	1,186	17	1.4%	0.5%	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.

7TH GRADE ASSESSMENT - CALIFORNIA, 2018-2019

TABLE 8: NUMBER AND PERCENTAGE OF OTHER STUDENTS LACKING TDAP VACCINE† IN 2018-2019,
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	519,454	7,077	1.4%	4,967	1.0%	1,558	0.3%	552	0.1%
COUNTY									
ALAMEDA	19,471	75	0.4%	21	0.1%	50	0.3%	4	0.0%
ALPINE	13	<20*	--*	<20*	--*	<20*	--*	<20*	--*
AMADOR	341	4	1.2%	0	0.0%	4	1.2%	0	0.0%
BUTTE	2,617	48	1.8%	36	1.4%	11	0.4%	1	0.0%
CALAVERAS	415	24	5.8%	15	3.6%	9	2.2%	0	0.0%
COLUSA	399	0	0.0%	0	0.0%	0	0.0%	0	0.0%
CONTRA COSTA	15,330	85	0.6%	49	0.3%	21	0.1%	15	0.1%
DEL NORTE	351	6	1.7%	4	1.1%	2	0.6%	0	0.0%
EL DORADO	2,392	85	3.6%	79	3.3%	6	0.3%	0	0.0%
FRESNO	16,432	188	1.1%	151	0.9%	21	0.1%	16	0.1%
GLENN	504	0	0.0%	0	0.0%	0	0.0%	0	0.0%
HUMBOLDT	1,455	12	0.8%	5	0.3%	6	0.4%	1	0.1%
IMPERIAL	3,092	4	0.1%	0	0.0%	4	0.1%	0	0.0%
INYO	236	0	0.0%	0	0.0%	0	0.0%	0	0.0%
KERN	15,588	501	3.2%	457	2.9%	44	0.3%	0	0.0%
KINGS	2,326	0	0.0%	0	0.0%	0	0.0%	0	0.0%
LAKE	750	14	1.9%	6	0.8%	8	1.1%	0	0.0%
LASSEN	286	8	2.8%	8	2.8%	0	0.0%	0	0.0%
LOS ANGELES	120,491	1,423	1.2%	1,031	0.9%	325	0.3%	67	0.1%
MADERA	2,656	20	0.8%	16	0.6%	4	0.2%	0	0.0%
MARIN	3,289	8	0.2%	0	0.0%	8	0.2%	0	0.0%
MARIPOSA	164	10	6.1%	4	2.4%	6	3.7%	0	0.0%
MENDOCINO	1,045	24	2.3%	10	1.0%	14	1.3%	0	0.0%
MERCED	5,104	42	0.8%	15	0.3%	26	0.5%	1	0.0%
MODOC	128	0	0.0%	0	0.0%	0	0.0%	0	0.0%
MONO	145	0	0.0%	0	0.0%	0	0.0%	0	0.0%
MONTEREY	7,016	7	0.1%	7	0.1%	0	0.0%	0	0.0%
NAPA	1,870	29	1.6%	0	0.0%	2	0.1%	27	1.4%
NEVADA	821	40	4.9%	35	4.3%	4	0.5%	1	0.1%

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

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

7TH GRADE ASSESSMENT - CALIFORNIA, 2018-2019

TABLE 8: NUMBER AND PERCENTAGE OF OTHER STUDENTS LACKING TDAP VACCINE† IN 2018-2019,
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	519,454	7,077	1.4%	4,967	1.0%	1,558	0.3%	552	0.1%
COUNTY									
ORANGE	41,320	308	0.7%	139	0.3%	124	0.3%	45	0.1%
PLACER	6,145	87	1.4%	73	1.2%	14	0.2%	0	0.0%
PLUMAS	180	2	1.1%	1	0.6%	0	0.0%	1	0.6%
RIVERSIDE	35,923	164	0.5%	85	0.2%	27	0.1%	52	0.1%
SACRAMENTO	20,558	436	2.1%	204	1.0%	210	1.0%	22	0.1%
SAN BENITO	986	0	0.0%	0	0.0%	0	0.0%	0	0.0%
SAN BERNARDINO	33,380	691	2.1%	478	1.4%	187	0.6%	26	0.1%
SAN DIEGO	42,454	1,098	2.6%	920	2.2%	96	0.2%	82	0.2%
SAN FRANCISCO	6,076	23	0.4%	0	0.0%	23	0.4%	0	0.0%
SAN JOAQUIN	12,541	126	1.0%	66	0.5%	41	0.3%	19	0.2%
SAN LUIS OBISPO	3,056	28	0.9%	5	0.2%	17	0.6%	6	0.2%
SAN MATEO	8,618	3	0.0%	0	0.0%	3	0.0%	0	0.0%
SANTA BARBARA	5,733	48	0.8%	44	0.8%	3	0.1%	1	0.0%
SANTA CLARA	24,120	59	0.2%	0	0.0%	31	0.1%	28	0.1%
SANTA CRUZ	3,620	218	6.0%	179	4.9%	39	1.1%	0	0.0%
SHASTA	2,260	116	5.1%	67	3.0%	23	1.0%	26	1.2%
SIERRA	34	0	0.0%	0	0.0%	0	0.0%	0	0.0%
SISKIYOU	491	25	5.1%	24	4.9%	0	0.0%	1	0.2%
SOLANO	5,169	16	0.3%	6	0.1%	9	0.2%	1	0.0%
SONOMA	5,794	121	2.1%	68	1.2%	40	0.7%	13	0.2%
STANISLAUS	9,003	162	1.8%	126	1.4%	34	0.4%	2	0.0%
SUTTER	2,039	425	20.8%	418	20.5%	7	0.3%	0	0.0%
TEHAMA	928	9	1.0%	7	0.8%	1	0.1%	1	0.1%
TRINITY	164	0	0.0%	0	0.0%	0	0.0%	0	0.0%
TULARE	8,183	49	0.6%	38	0.5%	7	0.1%	4	0.0%
TUOLUMNE	543	24	4.4%	14	2.6%	4	0.7%	6	1.1%
VENTURA	11,685	157	1.3%	40	0.3%	34	0.3%	83	0.7%
YOLO	2,591	3	0.1%	0	0.0%	3	0.1%	0	0.0%
YUBA	1,133	22	1.9%	16	1.4%	6	0.5%	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, 2018-2019

TABLE 9: NUMBER AND PERCENTAGE OF ENTRANTS OVERDUE FOR TDAP VACCINE IN 2018-2019 AND 2017-2018,
AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			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	519,454	2,922	0.6%	512,832	3,281	0.6%	-0.1%	-359
COUNTY								
ALAMEDA	19,471	201	1.0%	19,077	169	0.9%	0.1%	32
ALPINE	13	<20*	--*	10	<20*	--*	--*	--*
AMADOR	341	5	1.5%	336	4	1.2%	0.3%	1
BUTTE	2,617	14	0.5%	2,431	3	0.1%	0.4%	11
CALAVERAS	415	3	0.7%	439	1	0.2%	0.5%	2
COLUSA	399	6	1.5%	471	0	0.0%	1.5%	6
CONTRA COSTA	15,330	44	0.3%	14,825	129	0.9%	-0.6%	-85
DEL NORTE	351	0	0.0%	333	0	0.0%	0.0%	0
EL DORADO	2,392	5	0.2%	2,296	2	0.1%	0.1%	3
FRESNO	16,432	61	0.4%	16,387	34	0.2%	0.2%	27
GLENN	504	3	0.6%	462	0	0.0%	0.6%	3
HUMBOLDT	1,455	33	2.3%	1,481	16	1.1%	1.2%	17
IMPERIAL	3,092	13	0.4%	3,321	8	0.2%	0.2%	5
INYO	236	0	0.0%	210	0	0.0%	0.0%	0
KERN	15,588	70	0.4%	14,786	333	2.3%	-1.8%	-263
KINGS	2,326	20	0.9%	2,339	2	0.1%	0.8%	18
LAKE	750	6	0.8%	784	5	0.6%	0.2%	1
LASSEN	286	4	1.4%	286	0	0.0%	1.4%	4
LOS ANGELES	120,491	715	0.6%	122,266	894	0.7%	-0.1%	-179
MADERA	2,656	65	2.4%	2,420	37	1.5%	0.9%	28
MARIN	3,289	23	0.7%	3,190	15	0.5%	0.2%	8
MARIPOSA	164	2	1.2%	143	0	0.0%	1.2%	2
MENDOCINO	1,045	22	2.1%	1,099	15	1.4%	0.7%	7
MERCED	5,104	10	0.2%	5,113	8	0.2%	0.0%	2
MODOC	128	0	0.0%	101	0	0.0%	0.0%	0
MONO	145	1	0.7%	131	0	0.0%	0.7%	1
MONTEREY	7,016	4	0.1%	6,344	7	0.1%	-0.1%	-3
NAPA	1,870	14	0.7%	1,814	5	0.3%	0.5%	9
NEVADA	821	3	0.4%	797	5	0.6%	-0.3%	-2

^ Overdue for one or more required immunizations.

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

7TH GRADE ASSESSMENT - CALIFORNIA, 2018-2019

TABLE 9: NUMBER AND PERCENTAGE OF ENTRANTS OVERDUE FOR TDAP VACCINE IN 2018-2019 AND 2017-2018,
AND 1-YEAR CHANGE, BY COUNTY

	2018-2019			2017-2018			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	519,454	2,922	0.6%	512,832	3,281	0.6%	-0.1%	-359
COUNTY								
ORANGE	41,320	118	0.3%	41,114	107	0.3%	0.0%	11
PLACER	6,145	45	0.7%	5,953	18	0.3%	0.4%	27
PLUMAS	180	1	0.6%	213	0	0.0%	0.6%	1
RIVERSIDE	35,923	146	0.4%	34,483	87	0.3%	0.2%	59
SACRAMENTO	20,558	93	0.5%	19,823	36	0.2%	0.3%	57
SAN BENITO	986	2	0.2%	904	2	0.2%	0.0%	0
SAN BERNARDINO	33,380	256	0.8%	32,431	77	0.2%	0.5%	179
SAN DIEGO	42,454	194	0.5%	41,440	466	1.1%	-0.7%	-272
SAN FRANCISCO	6,076	152	2.5%	6,025	248	4.1%	-1.6%	-96
SAN JOAQUIN	12,541	76	0.6%	12,097	27	0.2%	0.4%	49
SAN LUIS OBISPO	3,056	4	0.1%	3,132	11	0.4%	-0.2%	-7
SAN MATEO	8,618	90	1.0%	8,512	102	1.2%	-0.2%	-12
SANTA BARBARA	5,733	7	0.1%	6,163	6	0.1%	0.0%	1
SANTA CLARA	24,120	85	0.4%	23,987	72	0.3%	0.1%	13
SANTA CRUZ	3,620	24	0.7%	3,416	19	0.6%	0.1%	5
SHASTA	2,260	22	1.0%	2,086	24	1.2%	-0.2%	-2
SIERRA	34	0	0.0%	27	0	0.0%	0.0%	0
SISKIYOU	491	5	1.0%	479	1	0.2%	0.8%	4
SOLANO	5,169	5	0.1%	5,135	9	0.2%	-0.1%	-4
SONOMA	5,794	92	1.6%	5,685	38	0.7%	0.9%	54
STANISLAUS	9,003	26	0.3%	8,904	121	1.4%	-1.1%	-95
SUTTER	2,039	50	2.5%	1,988	5	0.3%	2.2%	45
TEHAMA	928	17	1.8%	898	5	0.6%	1.3%	12
TRINITY	164	0	0.0%	139	0	0.0%	0.0%	0
TULARE	8,183	4	0.0%	8,422	8	0.1%	0.0%	-4
TUOLUMNE	543	9	1.7%	499	7	1.4%	0.3%	2
VENTURA	11,685	37	0.3%	11,518	43	0.4%	-0.1%	-6
YOLO	2,591	4	0.2%	2,482	32	1.3%	-1.1%	-28
YUBA	1,133	11	1.0%	1,186	18	1.5%	-0.5%	-7

^ Overdue for one or more required immunizations.

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