

2011-2012 7TH -12TH GRADE PERTUSSIS IMMUNIZATION (TDAP) ASSESSMENT RESULTS
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH (CDPH), IMMUNIZATION BRANCH
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Introduction

Under Assembly Bill 354 (2010), California Health and Safety Code Section 120335 required students in 7th through 12th grades during the 2011-2012 school year to provide documentation of either having received a booster immunization against pertussis or an exemption to immunization. The pertussis booster immunization recommended for adolescents is known as 'Tdap'. This report summarizes the assessment of the 7th through 12th grade pertussis immunization (Tdap) requirement based on reporting from California schools. The attached tables present immunization rates by county and grade level.

Methods

Staff from 7,131 of California's schools with 7th through 12th graders submitted immunization assessment reports to local health departments and CDPH Immunization Branch. Students were considered to have completed the Tdap immunization requirement if they had received one dose of any immunization (Tdap, DTaP or DTP) that protects against pertussis on or after their 7th birthday.

Results

Table 1 summarizes the results from the 2011-2012 7-12th Grade Pertussis (Tdap) assessment. Of 3,082,595 students enrolled in the 7,131 schools that reported, 3,008,297 (97.6%) completed the pertussis immunization (Tdap) requirement. There were 5,090 (0.2%) students with permanent medical exemptions and 69,208 (2.2%) students with personal belief exemptions.

Table 1: Pertussis (Tdap) Assessment, 2011-2012*

	All	Public	Private
Number of Schools	7,131	4,765	2,366
Number of Students	3,082,595	2,866,360	216,235
Completed Tdap*	97.6%	97.7%	95.3%
Permanent Medical Exemptions	0.2%	0.2%	0.2%
Personal Belief Exemptions	2.2%	2.1%	4.5%

*Received pertussis-containing immunization (Tdap, DTaP, DTP) on or after 7th birthday

Attached Tables

Table 2 shows reported immunization status by county.

Table 3 shows reported immunization status by grade level.

Table 4 shows the number of schools reporting by county and type (public or private).

For further information, please contact Teresa Lee at (510) 620-3746 or Teresa.Lee2@cdph.ca.gov at the California Department of Public Health, Immunization Branch.

Table 2: 2011-2012 Pertussis (Tdap) Immunization Assessment of 7-12th Grade Students, California

By County

	Total Students	Completed Tdap*		PME		PBE	
	Number	Number	Percent	Number	Percent	Number	Percent
STATE TOTAL	3,082,595	3,008,297	97.59	5,090	0.17	69,208	2.245
COUNTY							
ALAMEDA	107,774	106,616	98.93	114	0.11	1,044	0.97
ALPINE	26	24	92.31	0	0.00	2	7.69
AMADOR	2,025	1,947	96.15	0	0.00	78	3.85
BUTTE	15,400	14,478	94.01	12	0.08	910	5.91
CALAVERAS	3,155	2,965	93.98	6	0.19	184	5.83
COLUSA	2,046	2,001	97.80	2	0.10	43	2.10
CONTRA COSTA	87,536	86,508	98.83	213	0.24	815	0.93
DEL NORTE	2,018	1,907	94.50	1	0.05	110	5.45
EL DORADO	14,546	13,689	94.11	5	0.03	852	5.86
FRESNO	88,512	86,619	97.86	70	0.08	1,823	2.06
GLENN	2,698	2,611	96.78	2	0.07	85	3.15
HUMBOLDT	8,639	7,581	87.75	22	0.25	1,036	11.99
IMPERIAL	17,641	17,504	99.22	14	0.08	123	0.70
INYO	1,850	1,822	98.49	0	0.00	28	1.51
KERN	81,917	80,371	98.11	144	0.18	1,402	1.71
KINGS	12,995	12,740	98.04	10	0.08	245	1.89
LAKE	4,361	4,076	93.46	4	0.09	281	6.44
LASSEN	2,440	2,291	93.89	24	0.98	125	5.12
LOS ANGELES	806,166	791,414	98.17	1,170	0.15	13,582	1.68
MADERA	13,621	13,218	97.04	24	0.18	379	2.78
MARIN	15,875	15,506	97.68	19	0.12	350	2.20
MARIPOSA	1,004	910	90.64	12	1.20	82	8.17
MENDOCINO	6,475	5,932	91.61	47	0.73	496	7.66
MERCED	26,265	26,020	99.07	30	0.11	215	0.82
MODOC	731	697	95.35	4	0.55	30	4.10
MONO	706	688	97.45	2	0.28	16	2.27
MONTEREY	32,621	32,195	98.69	23	0.07	403	1.24
NAPA	11,103	10,821	97.46	10	0.09	272	2.45
NEVADA	6,406	5,729	89.43	5	0.08	672	10.49
ORANGE	260,733	253,957	97.40	1,030	0.40	5,746	2.20

Table 2: 2011-2012 Pertussis (Tdap) Immunization Assessment of 7-12th Grade Students, California
By County

	Total Students	Completed Tdap*		PME		PBE	
	Number	Number	Percent	Number	Percent	Number	Percent
PLACER	34,723	32,432	93.40	36	0.10	2,255	6.49
PLUMAS	1,101	1,002	91.01	3	0.27	96	8.72
RIVERSIDE	209,153	204,141	97.60	342	0.16	4,670	2.23
SACRAMENTO	113,615	109,879	96.71	193	0.17	3,543	3.12
SAN BENITO	5,330	5,204	97.64	19	0.36	107	2.01
SAN BERNARDINO	200,273	195,169	97.45	301	0.15	4,803	2.40
SAN DIEGO	244,485	237,389	97.10	345	0.14	6,751	2.76
SAN FRANCISCO	36,158	35,711	98.76	163	0.45	284	0.79
SAN JOAQUIN	64,979	64,371	99.06	26	0.04	582	0.90
SAN LUIS OBISPO	17,501	16,421	93.83	33	0.19	1,047	5.98
SAN MATEO	47,489	46,939	98.84	39	0.08	511	1.08
SANTA BARBARA	32,712	31,779	97.15	34	0.10	899	2.75
SANTA CLARA	133,391	131,936	98.91	147	0.11	1,308	0.98
SANTA CRUZ	19,543	18,359	93.94	8	0.04	1,176	6.02
SHASTA	13,885	12,893	92.86	29	0.21	963	6.94
SIERRA	209	196	93.78	0	0.00	13	6.22
SISKIYOU	2,805	2,556	91.12	12	0.43	237	8.45
SOLANO	31,077	30,671	98.69	21	0.07	385	1.24
SONOMA	34,953	33,587	96.09	39	0.11	1,327	3.80
STANISLAUS	49,569	47,803	96.44	70	0.14	1,696	3.42
SUTTER	9,859	9,068	91.98	13	0.13	778	7.89
TEHAMA	4,907	4,706	95.90	5	0.10	196	3.99
TRINITY	799	700	87.61	1	0.13	98	12.27
TULARE	43,513	42,842	98.46	74	0.17	597	1.37
TUOLUMNE	3,372	2,983	88.46	6	0.18	383	11.36
VENTURA	69,696	67,095	96.27	88	0.13	2,513	3.61
YOLO	14,068	13,664	97.13	6	0.04	398	2.83
YUBA	6,145	5,964	97.05	18	0.29	163	2.65

*Received pertussis-containing vaccine (Tdap, DTaP, DTP) on or after 7th birthday

**Table 3: 2011-2012 Pertussis (Tdap) Immunization Assessment of 7-12th Grade Students, California
By Grade**

	Total Students	Completed Tdap*		PME		PBE	
Grade	Number	Number	Percent	Number	Percent	Number	Percent
7	500,348	488,779	97.69	685	0.14	10,884	2.18
8	503,985	492,578	97.74	653	0.13	10,754	2.13
9	532,548	521,402	97.91	736	0.14	10,410	1.95
10	525,558	513,223	97.65	896	0.17	11,439	2.18
11	516,959	504,078	97.51	945	0.18	11,936	2.31
12	503,197	488,237	97.03	1,175	0.23	13,785	2.74

*Received pertussis-containing vaccine (Tdap, DTaP, DTP) on or after 7th birthday

Table 4: 2011-2012 Pertussis (Tdap) Immunization Assessment of 7-12th Grade Students, California

School Type

	Total Schools	School Type			
		Public		Private	
	Number	Number	Percent	Number	Percent
STATE TOTAL	7131	4765	67%	2366	33%
COUNTY					
ALAMEDA	281	175	62%	106	38%
ALPINE	2	2	100%	0	0%
AMADOR	10	8	80%	2	20%
BUTTE	80	58	73%	22	28%
CALAVERAS	17	15	88%	2	12%
COLUSA	15	13	87%	2	13%
CONTRA COSTA	207	116	56%	91	44%
DEL NORTE	14	12	86%	2	14%
EL DORADO	60	44	73%	16	27%
FRESNO	195	163	84%	32	16%
GLENN	23	21	91%	2	9%
HUMBOLDT	73	61	84%	12	16%
IMPERIAL	44	36	82%	8	18%
INYO	21	19	90%	2	10%
KERN	170	124	73%	46	27%
KINGS	48	40	83%	8	17%
LAKE	38	31	82%	7	18%
LASSEN	24	22	92%	2	8%
LOS ANGELES	1508	913	61%	595	39%
MADERA	62	53	85%	9	15%
MARIN	73	37	51%	36	49%
MARIPOSA	13	10	77%	3	23%
MENDOCINO	56	48	86%	8	14%
MERCED	72	56	78%	16	22%
MODOC	10	9	90%	1	10%
MONO	12	12	100%	0	0%
MONTEREY	85	62	73%	23	27%
NAPA	41	21	51%	20	49%
NEVADA	42	34	81%	8	19%
ORANGE	397	213	54%	184	46%

Table 4: 2011-2012 Pertussis (Tdap) Immunization Assessment of 7-12th Grade Students, California

School Type

	Total Schools	School Type			
		Public		Private	
	Number	Number	Percent	Number	Percent
PLACER	85	63	74%	22	26%
PLUMAS	13	9	69%	4	31%
RIVERSIDE	291	202	69%	89	31%
SACRAMENTO	261	171	66%	90	34%
SAN BENITO	23	19	83%	4	17%
SAN BERNARDINO	327	223	68%	104	32%
SAN DIEGO	528	347	66%	181	34%
SAN FRANCISCO	139	52	37%	87	63%
SAN JOAQUIN	199	163	82%	36	18%
SAN LUIS OBISPO	62	43	69%	19	31%
SAN MATEO	139	81	58%	58	42%
SANTA BARBARA	85	51	60%	34	40%
SANTA CLARA	283	158	56%	125	44%
SANTA CRUZ	65	40	62%	25	38%
SHASTA	91	71	78%	20	22%
SIERRA	6	6	100%	0	0%
SISKIYOU	45	41	91%	4	9%
SOLANO	64	43	67%	21	33%
SONOMA	138	92	67%	46	33%
STANISLAUS	119	90	76%	29	24%
SUTTER	39	34	87%	5	13%
TEHAMA	40	37	93%	3	8%
TRINITY	20	20	100%	0	0%
TULARE	130	113	87%	17	13%
TUOLUMNE	34	30	88%	4	12%
VENTURA	147	87	59%	60	41%
YOLO	42	31	74%	11	26%
YUBA	23	20	87%	3	13%