

2000-2001 KINDERGARTEN IMMUNIZATION ASSESSMENT RESULTS

This fall's immunization assessment of kindergarten students showed a slight increase in the percentage of students with all required immunizations. However, it also showed a slight decrease in the percentage of students immunized for most of the single antigens. With 99.1% (9,179) of California schools reporting, the percent of students adequately immunized for the 4:3:2:3 series increased 0.3% from 91.9% last year to 92.2% in 2000. The only improvement for a single antigen was the coverage level for the hepatitis B immunization, which increased 0.1% to 96.4%. This year, 0.77% of students had Personal Beliefs Exemptions (PBE), an increase of 0.11% from last year.

**TABLE 1: Kindergarten Immunization Assessment, 1998-1999 thru 2000-2001 School Year
Percent of Children Adequately Immunized**

	2000-2001	1999-2000	1998-1999	CHANGE 99-00
Number of Students	526,466	527,640	525,025	-1,174
Pct. with all Req. Imm.	92.2	91.9	89.3	0.3
Pct. Imm. for:				
Polio 3+	96.0	96.3	96.2	-0.3
DTP 4+	95.4	95.6	95.7	-0.2
MMR 1	98.3	98.6	98.6	-0.3
MMR 2	95.4	95.6	95.0	-0.2
Hep B 3+	96.4	96.3	93.6	0.1
Pct. with Exemptions				
PME	0.11	0.13	0.10	-0.02
PBE	0.77	0.66	0.63	0.11
Number of Schools	8,473	8,539	8,373	-66

The number of schools reporting kindergarten data decreased slightly this year by 66 schools. The total enrollment for these schools was 526,466 kindergartners, a decrease of 1,147 students over last year.

Effective July 1, 2001, one-dose of varicella or health care provider documented varicella disease or immunity will be required for kindergarten entry. Even though it was not required this year we asked for voluntary information on varicella coverage. 67.3% (5,704) of the schools reported information for varicella this year. The coverage level among those schools for varicella immunization or healthcare provider documentation of varicella disease or immunity is 73.8% (388,380 students).

Statewide breakdowns by county and type of school are enclosed in Coordinator Updates. Data for local districts and schools will be sent to county coordinators and are also available upon request. For further questions regarding the Kindergarten Assessment, please contact Nisha Gandhi at (510) 540-2236 (email ngandhi@dhs.ca.gov) or Elisha Larez at (510) 540-3147 (email elarez@dhs.ca.gov) at the Department of Health Services, Immunization Branch.

KINDERGARTEN IMMUNIZATION ASSESSMENT - CALIFORNIA, 2000-2001

TABLE 2: TOTAL ENROLLMENT AND ADMISSION STATUS
BY COUNTY

	TOTAL STUDENTS	ENTRANTS WITH ALL REQ. IMMUN.		CONDITIONAL ENTRANTS		ENTRANTS WITH PME		ENTRANTS WITH PBE	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	526,466	485,425	92.20%	36,425	6.92%	584	0.11%	4,032	0.77%
COUNTY									
ALAMEDA	19,961	18,037	90.36%	1,824	9.14%	26	0.13%	74	0.37%
ALPINE	26	25	96.15%	1	3.85%	0	0.00%	0	0.00%
AMADOR	313	298	95.21%	12	3.83%	0	0.00%	3	0.96%
BUTTE	2,651	2,464	92.95%	127	4.79%	6	0.23%	54	2.04%
CALAVERAS	423	391	92.43%	25	5.91%	1	0.24%	6	1.42%
COLUSA	320	301	94.06%	16	5.00%	1	0.31%	2	0.63%
CONTRA COSTA	13,282	12,548	94.47%	580	4.37%	29	0.22%	125	0.94%
DEL NORTE	310	295	95.16%	7	2.26%	1	0.32%	7	2.26%
EL DORADO	1,953	1,794	91.86%	100	5.12%	3	0.15%	56	2.87%
FRESNO	14,335	13,443	93.78%	838	5.85%	8	0.06%	46	0.32%
GLENN	466	443	95.06%	22	4.72%	0	0.00%	1	0.21%
HUMBOLDT	1,505	1,377	91.50%	77	5.12%	2	0.13%	49	3.26%
IMPERIAL	2,470	2,294	92.87%	166	6.72%	8	0.32%	2	0.08%
INYO	238	229	96.22%	6	2.52%	0	0.00%	3	1.26%
KERN	12,001	11,324	94.36%	597	4.97%	7	0.06%	73	0.61%
KINGS	2,130	2,034	95.49%	90	4.23%	1	0.05%	5	0.23%
LAKE	736	667	90.63%	60	8.15%	0	0.00%	9	1.22%
LASSEN	356	311	87.36%	43	12.08%	0	0.00%	2	0.56%
LOS ANGELES	154,020	139,966	90.88%	13,290	8.63%	106	0.07%	658	0.43%
MADERA	2,072	1,917	92.52%	133	6.42%	4	0.19%	18	0.87%
MARIN	2,742	2,503	91.28%	165	6.02%	6	0.22%	68	2.48%
MARIPOSA	138	121	87.68%	12	8.70%	1	0.72%	4	2.90%
MENDOCINO	1,152	1,014	88.02%	91	7.90%	0	0.00%	47	4.08%
MERCED	4,003	3,785	94.55%	199	4.97%	2	0.05%	17	0.42%
MODOC	153	139	90.85%	8	5.23%	0	0.00%	6	3.92%
MONO	152	139	91.45%	9	5.92%	0	0.00%	4	2.63%
MONTEREY	6,473	6,100	94.24%	335	5.18%	4	0.06%	34	0.53%
NAPA	1,561	1,428	91.48%	125	8.01%	0	0.00%	8	0.51%
NEVADA	848	728	85.85%	65	7.67%	1	0.12%	54	6.37%

KINDERGARTEN IMMUNIZATION ASSESSMENT - CALIFORNIA, 2000-2001

TABLE 2: TOTAL ENROLLMENT AND ADMISSION STATUS
BY COUNTY

	TOTAL STUDENTS	ENTRANTS WITH ALL REQ. IMMUN.		CONDITIONAL ENTRANTS		ENTRANTS WITH PME		ENTRANTS WITH PBE	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	526,466	485,425	92.20%	36,425	6.92%	584	0.11%	4,032	0.77%
COUNTY									
ORANGE	46,232	42,619	92.19%	3,160	6.84%	91	0.20%	362	0.78%
PLACER	4,291	3,853	89.79%	301	7.01%	11	0.26%	126	2.94%
PLUMAS	204	186	91.18%	13	6.37%	0	0.00%	5	2.45%
RIVERSIDE	26,139	24,660	94.34%	1,322	5.06%	26	0.10%	131	0.50%
SACRAMENTO	18,964	17,060	89.96%	1,706	9.00%	18	0.09%	180	0.95%
SAN BENITO	1,085	1,002	92.35%	69	6.36%	1	0.09%	13	1.20%
SAN BERNARDINO	30,734	29,121	94.75%	1,339	4.36%	37	0.12%	237	0.77%
SAN DIEGO	42,562	39,956	93.88%	2,101	4.94%	43	0.10%	462	1.09%
SAN FRANCISCO	6,783	6,247	92.10%	508	7.49%	4	0.06%	24	0.35%
SAN JOAQUIN	9,955	9,284	93.26%	592	5.95%	11	0.11%	68	0.68%
SAN LUIS OBISPO	2,775	2,564	92.40%	134	4.83%	6	0.22%	71	2.56%
SAN MATEO	8,657	7,827	90.41%	741	8.56%	22	0.25%	67	0.77%
SANTA BARBARA	5,648	5,220	92.42%	322	5.70%	6	0.11%	100	1.77%
SANTA CLARA	24,176	22,006	91.02%	2,013	8.33%	23	0.10%	134	0.55%
SANTA CRUZ	3,359	3,026	90.09%	210	6.25%	8	0.24%	115	3.42%
SHASTA	2,158	2,024	93.79%	97	4.49%	6	0.28%	31	1.44%
SIERRA	45	35	77.78%	8	17.78%	0	0.00%	2	4.44%
SISKIYOU	416	363	87.26%	39	9.38%	0	0.00%	14	3.37%
SOLANO	5,741	5,407	94.18%	297	5.17%	4	0.07%	33	0.57%
SONOMA	6,082	5,525	90.84%	423	6.95%	8	0.13%	126	2.07%
STANISLAUS	7,892	7,387	93.60%	433	5.49%	8	0.10%	64	0.81%
SUTTER	1,265	1,233	97.47%	32	2.53%	0	0.00%	0	0.00%
TEHAMA	792	748	94.44%	31	3.91%	2	0.25%	11	1.39%
TRINITY	138	115	83.33%	17	12.32%	1	0.72%	5	3.62%
TULARE	7,183	6,785	94.46%	360	5.01%	7	0.10%	31	0.43%
TUOLUMNE	579	496	85.66%	61	10.54%	0	0.00%	22	3.80%
VENTURA	12,357	11,372	92.03%	829	6.71%	16	0.13%	140	1.13%
YOLO	2,427	2,256	92.95%	154	6.35%	5	0.21%	12	0.49%
YUBA	1,037	933	89.97%	90	8.68%	3	0.29%	11	1.06%

KINDERGARTEN IMMUNIZATION ASSESSMENT - CALIFORNIA, 2000-2001

TABLE 3: STUDENTS ADEQUATELY IMMUNIZED
BY COUNTY

	TOTAL STUDENTS	DTP 4+		POLIO 3+		MMR 1		MMR 2		HEP B 3+	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	526,466	502,180	95.39%	505,532	96.02%	517,427	98.28%	502,467	95.44%	507,679	96.43%
COUNTY											
ALAMEDA	19,961	18,882	94.59%	18,990	95.14%	19,647	98.43%	18,793	94.15%	19,177	96.07%
ALPINE	26	25	96.15%	25	96.15%	26	100.00%	25	96.15%	26	100.00%
AMADOR	313	302	96.49%	305	97.44%	309	98.72%	306	97.76%	304	97.12%
BUTTE	2,651	2,528	95.36%	2,547	96.08%	2,575	97.13%	2,527	95.32%	2,530	95.44%
CALAVERAS	423	405	95.74%	401	94.80%	415	98.11%	399	94.33%	409	96.69%
COLUSA	320	316	98.75%	317	99.06%	317	99.06%	314	98.13%	304	95.00%
CONTRA COSTA	13,282	12,813	96.47%	12,895	97.09%	13,063	98.35%	12,826	96.57%	12,917	97.25%
DEL NORTE	310	296	95.48%	297	95.81%	302	97.42%	299	96.45%	301	97.10%
EL DORADO	1,953	1,838	94.11%	1,842	94.32%	1,889	96.72%	1,828	93.60%	1,859	95.19%
FRESNO	14,335	13,696	95.54%	13,809	96.33%	14,149	98.70%	13,852	96.63%	13,911	97.04%
GLENN	466	456	97.85%	457	98.07%	463	99.36%	458	98.28%	452	97.00%
HUMBOLDT	1,505	1,400	93.02%	1,406	93.42%	1,436	95.42%	1,411	93.75%	1,413	93.89%
IMPERIAL	2,470	2,386	96.60%	2,399	97.13%	2,454	99.35%	2,349	95.10%	2,410	97.57%
INYO	238	232	97.48%	233	97.90%	235	98.74%	230	96.64%	234	98.32%
KERN	12,001	11,592	96.59%	11,692	97.43%	11,889	99.07%	11,622	96.84%	11,650	97.08%
KINGS	2,130	2,090	98.12%	2,106	98.87%	2,123	99.67%	2,096	98.40%	2,075	97.42%
LAKE	736	690	93.75%	697	94.70%	720	97.83%	695	94.43%	703	95.52%
LASSEN	356	326	91.57%	324	91.01%	350	98.31%	320	89.89%	343	96.35%
LOS ANGELES	154,020	146,391	95.05%	147,568	95.81%	151,237	98.19%	146,394	95.05%	148,215	96.23%
MADERA	2,072	1,978	95.46%	1,997	96.38%	2,040	98.46%	1,979	95.51%	1,985	95.80%
MARIN	2,742	2,601	94.86%	2,605	95.00%	2,653	96.75%	2,569	93.69%	2,592	94.53%
MARIPOSA	138	123	89.13%	125	90.58%	133	96.38%	126	91.30%	130	94.20%
MENDOCINO	1,152	1,041	90.36%	1,054	91.49%	1,101	95.57%	1,044	90.63%	1,075	93.32%
MERCED	4,003	3,856	96.33%	3,883	97.00%	3,979	99.40%	3,865	96.55%	3,923	98.00%
MODOC	153	145	94.77%	145	94.77%	147	96.08%	144	94.12%	142	92.81%
MONO	152	142	93.42%	142	93.42%	148	97.37%	139	91.45%	140	92.11%
MONTEREY	6,473	6,281	97.03%	6,302	97.36%	6,413	99.07%	6,281	97.03%	6,276	96.96%
NAPA	1,561	1,458	93.40%	1,480	94.81%	1,540	98.65%	1,473	94.36%	1,519	97.31%
NEVADA	848	754	88.92%	746	87.97%	774	91.27%	745	87.85%	764	90.09%

KINDERGARTEN IMMUNIZATION ASSESSMENT - CALIFORNIA, 2000-2001

TABLE 3: STUDENTS ADEQUATELY IMMUNIZED
BY COUNTY

	TOTAL STUDENTS	DTP 4+		POLIO 3+		MMR 1		MMR 2		HEP B 3+	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	526,466	502,180	95.39%	505,532	96.02%	517,427	98.28%	502,467	95.44%	507,679	96.43%
COUNTY											
ORANGE	46,232	44,174	95.55%	44,364	95.96%	45,599	98.63%	43,876	94.90%	44,720	96.73%
PLACER	4,291	3,959	92.26%	3,977	92.68%	4,119	95.99%	3,972	92.57%	4,039	94.13%
PLUMAS	204	192	94.12%	192	94.12%	199	97.55%	189	92.65%	195	95.59%
RIVERSIDE	26,139	25,347	96.97%	25,524	97.65%	25,913	99.14%	25,424	97.26%	25,349	96.98%
SACRAMENTO	18,964	17,667	93.16%	17,848	94.12%	18,635	98.27%	17,693	93.30%	18,282	96.40%
SAN BENITO	1,085	1,034	95.30%	1,040	95.85%	1,065	98.16%	1,026	94.56%	1,047	96.50%
SAN BERNARDINO	30,734	29,781	96.90%	29,979	97.54%	30,392	98.89%	29,854	97.14%	29,948	97.44%
SAN DIEGO	42,562	40,878	96.04%	41,127	96.63%	41,947	98.56%	40,998	96.33%	41,254	96.93%
SAN FRANCISCO	6,783	6,390	94.21%	6,438	94.91%	6,635	97.82%	6,479	95.52%	6,507	95.93%
SAN JOAQUIN	9,955	9,583	96.26%	9,628	96.72%	9,803	98.47%	9,577	96.20%	9,623	96.66%
SAN LUIS OBISPO	2,775	2,632	94.85%	2,638	95.06%	2,683	96.68%	2,611	94.09%	2,640	95.14%
SAN MATEO	8,657	8,146	94.10%	8,189	94.59%	8,484	98.00%	8,103	93.60%	8,328	96.20%
SANTA BARBARA	5,648	5,389	95.41%	5,398	95.57%	5,523	97.79%	5,367	95.02%	5,410	95.79%
SANTA CLARA	24,176	22,883	94.65%	23,024	95.23%	23,403	96.80%	23,201	95.97%	22,997	95.12%
SANTA CRUZ	3,359	3,132	93.24%	3,140	93.48%	3,211	95.59%	3,120	92.88%	3,126	93.06%
SHASTA	2,158	2,062	95.55%	2,070	95.92%	2,107	97.64%	2,061	95.51%	2,091	96.90%
SIERRA	45	37	82.22%	38	84.44%	43	95.56%	36	80.00%	42	93.33%
SISKIYOU	416	391	93.99%	387	93.03%	400	96.15%	388	93.27%	381	91.59%
SOLANO	5,741	5,514	96.05%	5,558	96.81%	5,687	99.06%	5,541	96.52%	5,600	97.54%
SONOMA	6,082	5,735	94.29%	5,763	94.76%	5,895	96.93%	5,698	93.69%	5,751	94.56%
STANISLAUS	7,892	7,569	95.91%	7,619	96.54%	7,801	98.85%	7,584	96.10%	7,681	97.33%
SUTTER	1,265	1,246	98.50%	1,247	98.58%	1,262	99.76%	1,247	98.58%	1,253	99.05%
TEHAMA	792	760	95.96%	766	96.72%	777	98.11%	766	96.72%	765	96.59%
TRINITY	138	119	86.23%	121	87.68%	126	91.30%	118	85.51%	124	89.86%
TULARE	7,183	6,938	96.59%	6,977	97.13%	7,103	98.89%	6,937	96.58%	6,988	97.29%
TUOLUMNE	579	518	89.46%	518	89.46%	546	94.30%	507	87.56%	540	93.26%
VENTURA	12,357	11,772	95.27%	11,847	95.87%	12,133	98.19%	11,687	94.58%	11,900	96.30%
YOLO	2,427	2,319	95.55%	2,340	96.42%	2,389	98.43%	2,326	95.84%	2,325	95.80%
YUBA	1,037	970	93.54%	986	95.08%	1,020	98.36%	972	93.73%	994	95.85%

KINDERGARTEN IMMUNIZATION ASSESSMENT - CALIFORNIA, 2000-2001

TABLE 4: NUMBER OF SCHOOLS REPORTING
BY COUNTY AND TYPE

	TOTAL NUMBER OF SCHOOLS	SCHOOL TYPE			
		PUBLIC		PRIVATE	
		NUMBER OF SCHOOLS	PERCENT OF TOTAL	NUMBER OF SCHOOLS	PERCENT OF TOTAL
STATE TOTAL	8,473	5,383	63.53%	3,090	36.47%
COUNTY					
ALAMEDA	364	218	59.89%	146	40.11%
ALPINE	4	3	75.00%	1	25.00%
AMADOR	9	6	66.67%	3	33.33%
BUTTE	62	46	74.19%	16	25.81%
CALAVERAS	11	10	90.91%	1	9.09%
COLUSA	6	5	83.33%	1	16.67%
CONTRA COSTA	219	140	63.93%	79	36.07%
DEL NORTE	11	8	72.73%	3	27.27%
EL DORADO	45	32	71.11%	13	28.89%
FRESNO	203	166	81.77%	37	18.23%
GLENN	10	10	100.00%	0	0.00%
HUMBOLDT	61	51	83.61%	10	16.39%
IMPERIAL	45	36	80.00%	9	20.00%
INYO	9	8	88.89%	1	11.11%
KERN	177	132	74.58%	45	25.42%
KINGS	31	24	77.42%	7	22.58%
LAKE	17	12	70.59%	5	29.41%
LASSEN	13	11	84.62%	2	15.38%
LOS ANGELES	2,265	1,209	53.38%	1,056	46.62%
MADERA	38	36	94.74%	2	5.26%
MARIN	70	42	60.00%	28	40.00%
MARIPOSA	8	8	100.00%	0	0.00%
MENDOCINO	36	30	83.33%	6	16.67%
MERCED	62	46	74.19%	16	25.81%
MODOC	8	7	87.50%	1	12.50%
MONO	7	6	85.71%	1	14.29%
MONTEREY	86	70	81.40%	16	18.60%
NAPA	41	25	60.98%	16	39.02%
NEVADA	27	23	85.19%	4	14.81%

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TABLE 4: NUMBER OF SCHOOLS REPORTING
BY COUNTY AND TYPE

	TOTAL NUMBER OF SCHOOLS	SCHOOL TYPE			
		PUBLIC		PRIVATE	
		NUMBER OF SCHOOLS	PERCENT OF TOTAL	NUMBER OF SCHOOLS	PERCENT OF TOTAL
STATE TOTAL	8,473	5,383	63.53%	3,090	36.47%
COUNTY					
ORANGE	673	378	56.17%	295	43.83%
PLACER	75	54	72.00%	21	28.00%
PLUMAS	7	6	85.71%	1	14.29%
RIVERSIDE	344	222	64.53%	122	35.47%
SACRAMENTO	328	225	68.60%	103	31.40%
SAN BENITO	18	14	77.78%	4	22.22%
SAN BERNARDINO	421	293	69.60%	128	30.40%
SAN DIEGO	672	413	61.46%	259	38.54%
SAN FRANCISCO	162	78	48.15%	84	51.85%
SAN JOAQUIN	155	114	73.55%	41	26.45%
SAN LUIS OBISPO	60	43	71.67%	17	28.33%
SAN MATEO	185	109	58.92%	76	41.08%
SANTA BARBARA	100	70	70.00%	30	30.00%
SANTA CLARA	372	242	65.05%	130	34.95%
SANTA CRUZ	59	42	71.19%	17	28.81%
SHASTA	57	44	77.19%	13	22.81%
SIERRA	4	4	100.00%	0	0.00%
SISKIYOU	28	24	85.71%	4	14.29%
SOLANO	90	61	67.78%	29	32.22%
SONOMA	145	99	68.28%	46	31.72%
STANISLAUS	122	91	74.59%	31	25.41%
SUTTER	32	25	78.13%	7	21.88%
TEHAMA	21	19	90.48%	2	9.52%
TRINITY	12	11	91.67%	1	8.33%
TULARE	103	89	86.41%	14	13.59%
TUOLUMNE	17	12	70.59%	5	29.41%
VENTURA	200	129	64.50%	71	35.50%
YOLO	41	31	75.61%	10	24.39%
YUBA	25	21	84.00%	4	16.00%