

## FALL 1998 KINDERGARTEN ASSESSMENT SURVEY RESULTS

The previous assessment year, 1997, was the first year of the kindergarten requirement for hepatitis B and a second dose of measles-containing vaccine (MMR2). Rates for both hep B and MMR2 were lower than the other required immunizations, with hep B substantially lower. However, this year, immunization rates for both Hep B and MMR2 were comparable to polio, DTP, and 1<sup>st</sup> dose MMR. This improvement can be attributed, in part, to parents' and school health administrators' increasing familiarity with the new requirements.

**TABLE 1: KINDERGARTEN IMMUNIZATION ASSESSMENT, 1996 – 1998  
PERCENT OF CHILDREN ADEQUATELY IMMUNIZED**

	FALL 96	FALL 97	FALL 98	CHANGE 97-98
Number of Students	538,508	530,227	525,025	-5,202
Pct. with all Req. Imm.	94.0	68.0	89.3	-21.3
Pct. Immunized for:				
Polio 3+	95.7	96.2	96.2	0
DTP 4+	94.9	95.6	95.7	0.1
MMR 1	98.6	98.5	98.6	0.1
MMR 2	N/A	94.3	95.0	0.7
Hep B 3+	N/A	71.8	93.6	21.8
Exemptions				
PME	0.06	0.14	0.10	-0.04
PBE	0.46	0.72	0.63	0.09
Number of Schools	8,369	8,407	8,373	34

This year's Kindergarten Assessment results showed a marked improvement for Hep B and MMR2 over the 1997 results. The proportion of children with all required immunizations jumped from 68.0% to 89.3%, due to the increase in hepatitis B immunization levels, which rose from 71.8% to 93.6%. Coverage levels of the other new required vaccination, MMR2, and coverage levels for all other required vaccines, polio, DTP, and 1<sup>st</sup> dose MMR increased as well, as shown in Table 1.

This year, nearly all (99.6%) of the 8,929 registered schools submitted a report, down slightly from 99.9% last year. There were also slightly fewer kindergarten students in 1998 than in 1997: 525,025 down from 530,227; a difference of 5,202 students.

Statewide breakdowns by county and type of school are enclosed in Coordinator Updates. District breakdowns within counties are also available this year. Please contact Rina Shaikh, at (510) 540-2069 for those detailed tables or if you have any questions regarding the Kindergarten Assessment.

KINDERGARTEN ASSESSMENT - CALIFORNIA, 1998  
 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	525,025	468,866	89.30%	52,305	9.96%	521	0.10%	3,331	0.63%
COUNTY									
ALAMEDA	20,340	18,000	88.50%	2,250	11.06%	10	0.05%	80	0.39%
ALPINE	16	15	93.75%	1	6.25%	0	0.00%	0	0.00%
AMADOR	328	305	92.99%	20	6.10%	0	0.00%	3	0.91%
BUTTE	2,574	2,239	86.99%	279	10.84%	5	0.19%	51	1.98%
CALAVERAS	409	345	84.35%	59	14.43%	1	0.24%	4	0.98%
COLUSA	320	288	90.00%	32	10.00%	0	0.00%	0	0.00%
CONTRA COSTA	13,413	12,391	92.38%	899	6.70%	23	0.17%	100	0.75%
DEL NORTE	374	334	89.30%	32	8.56%	2	0.53%	6	1.60%
EL DORADO	1,935	1,674	86.51%	219	11.32%	5	0.26%	37	1.91%
FRESNO	14,763	13,491	91.38%	1,225	8.30%	4	0.03%	43	0.29%
GLENN	446	393	88.12%	50	11.21%	1	0.22%	2	0.45%
HUMBOLDT	1,514	1,343	88.71%	124	8.19%	2	0.13%	45	2.97%
IMPERIAL	2,586	2,206	85.31%	377	14.58%	1	0.04%	2	0.08%
INYO	217	200	92.17%	15	6.91%	2	0.92%	0	0.00%
KERN	11,753	10,535	89.64%	1,137	9.67%	9	0.08%	72	0.61%
KINGS	2,216	1,944	87.73%	271	12.23%	0	0.00%	1	0.05%
LAKE	630	513	81.43%	95	15.08%	8	1.27%	14	2.22%
LASSEN	371	317	85.44%	50	13.48%	0	0.00%	4	1.08%
LOS ANGELES	155,585	137,217	88.19%	17,802	11.44%	91	0.06%	475	0.31%
MADERA	1,940	1,677	86.44%	249	12.84%	2	0.10%	12	0.62%
MARIN	2,899	2,430	83.82%	393	13.56%	3	0.10%	73	2.52%
MARIPOSA	165	133	80.61%	29	17.58%	0	0.00%	3	1.82%
MENDOCINO	1,046	939	89.77%	87	8.32%	0	0.00%	20	1.91%
MERCED	4,105	3,828	93.25%	265	6.46%	3	0.07%	9	0.22%
MODOC	143	133	93.01%	10	6.99%	0	0.00%	0	0.00%
MONO	143	141	98.60%	2	1.40%	0	0.00%	0	0.00%
MONTEREY	6,688	6,299	94.18%	363	5.43%	5	0.07%	21	0.31%
NAPA	1,677	1,577	94.04%	94	5.61%	0	0.00%	6	0.36%
NEVADA	843	658	78.05%	139	16.49%	2	0.24%	44	5.22%

KINDERGARTEN ASSESSMENT - CALIFORNIA, 1998  
 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	525,025	468,866	89.30%	52,305	9.96%	521	0.10%	3,331	0.63%
COUNTY									
ORANGE	45,869	41,150	89.71%	4,307	9.39%	77	0.17%	334	0.73%
PLACER	4,047	3,383	83.59%	578	14.28%	9	0.22%	77	1.90%
PLUMAS	236	198	83.90%	33	13.98%	0	0.00%	5	2.12%
RIVERSIDE	24,203	21,997	90.89%	2,049	8.47%	31	0.13%	125	0.52%
SACRAMENTO	18,642	15,801	84.76%	2,695	14.46%	19	0.10%	127	0.68%
SAN BENITO	926	847	91.47%	72	7.78%	2	0.22%	5	0.54%
SAN BERNARDINO	30,002	27,049	90.16%	2,637	8.79%	26	0.09%	290	0.97%
SAN DIEGO	42,343	38,469	90.85%	3,439	8.12%	52	0.12%	383	0.90%
SAN FRANCISCO	7,117	6,279	88.23%	808	11.35%	3	0.04%	27	0.38%
SAN JOAQUIN	9,257	8,533	92.18%	699	7.55%	6	0.06%	19	0.21%
SAN LUIS OBISPO	2,702	2,427	89.82%	211	7.81%	8	0.30%	56	2.07%
SAN MATEO	9,087	7,933	87.30%	1,102	12.13%	12	0.13%	40	0.44%
SANTA BARBARA	5,967	5,416	90.77%	462	7.74%	6	0.10%	83	1.39%
SANTA CLARA	24,462	22,351	91.37%	1,988	8.13%	23	0.09%	100	0.41%
SANTA CRUZ	3,293	2,742	83.27%	434	13.18%	16	0.49%	101	3.07%
SHASTA	2,225	1,949	87.60%	241	10.83%	2	0.09%	33	1.48%
SIERRA	50	41	82.00%	7	14.00%	0	0.00%	2	4.00%
SISKIYOU	510	445	87.25%	55	10.78%	2	0.39%	8	1.57%
SOLANO	5,870	5,403	92.04%	441	7.51%	1	0.02%	25	0.43%
SONOMA	5,986	5,293	88.42%	532	8.89%	7	0.12%	154	2.57%
STANISLAUS	7,558	6,923	91.60%	574	7.59%	2	0.03%	59	0.78%
SUTTER	1,265	1,178	93.12%	85	6.72%	0	0.00%	2	0.16%
TEHAMA	847	745	87.96%	87	10.27%	2	0.24%	13	1.53%
TRINITY	128	101	78.91%	23	17.97%	0	0.00%	4	3.13%
TULARE	7,084	6,431	90.78%	627	8.85%	6	0.08%	20	0.28%
TUOLUMNE	532	459	86.28%	52	9.77%	4	0.75%	17	3.20%
VENTURA	12,098	10,883	89.96%	1,120	9.26%	24	0.20%	71	0.59%
YOLO	2,259	1,986	87.92%	255	11.29%	2	0.09%	16	0.71%
YUBA	1,021	889	87.07%	124	12.14%	0	0.00%	8	0.78%

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	525,025	502,632	95.73%	504,877	96.16%	517,686	98.60%	499,000	95.04%	491,563	93.63%
COUNTY											
ALAMEDA	20,340	19,526	96.00%	19,619	96.46%	20,073	98.69%	19,305	94.91%	19,044	93.63%
ALPINE	16	16	100.00%	16	100.00%	16	100.00%	15	93.75%	16	100.00%
AMADOR	328	321	97.87%	322	98.17%	325	99.09%	321	97.87%	307	93.60%
BUTTE	2,574	2,467	95.84%	2,493	96.85%	2,517	97.79%	2,463	95.69%	2,290	88.97%
CALAVERAS	409	383	93.64%	372	90.95%	399	97.56%	368	89.98%	371	90.71%
COLUSA	320	304	95.00%	306	95.63%	320	100.00%	301	94.06%	310	96.88%
CONTRA COSTA	13,413	13,025	97.11%	13,076	97.49%	13,256	98.83%	12,898	96.16%	12,792	95.37%
DEL NORTE	374	350	93.58%	351	93.85%	364	97.33%	352	94.12%	341	91.18%
EL DORADO	1,935	1,826	94.37%	1,823	94.21%	1,871	96.69%	1,791	92.56%	1,760	90.96%
FRESNO	14,763	14,177	96.03%	14,243	96.48%	14,654	99.26%	14,252	96.54%	14,105	95.54%
GLENN	446	435	97.53%	440	98.65%	443	99.33%	439	98.43%	401	89.91%
HUMBOLDT	1,514	1,432	94.58%	1,435	94.78%	1,457	96.24%	1,422	93.92%	1,373	90.69%
IMPERIAL	2,586	2,530	97.83%	2,505	96.87%	2,567	99.27%	2,350	90.87%	2,406	93.04%
INYO	217	214	98.62%	214	98.62%	213	98.16%	212	97.70%	203	93.55%
KERN	11,753	11,264	95.84%	11,357	96.63%	11,631	98.96%	11,216	95.43%	11,137	94.76%
KINGS	2,216	2,162	97.56%	2,172	98.01%	2,215	99.95%	2,168	97.83%	1,989	89.76%
LAKE	630	569	90.32%	584	92.70%	607	96.35%	570	90.48%	551	87.46%
LASSEN	371	359	96.77%	360	97.04%	366	98.65%	357	96.23%	331	89.22%
LOS ANGELES	155,585	148,596	95.51%	148,854	95.67%	153,628	98.74%	147,105	94.55%	145,415	93.46%
MADERA	1,940	1,816	93.61%	1,831	94.38%	1,910	98.45%	1,803	92.94%	1,798	92.68%
MARIN	2,899	2,730	94.17%	2,712	93.55%	2,804	96.72%	2,651	91.45%	2,628	90.65%
MARIPOSA	165	154	93.33%	155	93.94%	161	97.58%	143	86.67%	156	94.55%
MENDOCINO	1,046	982	93.88%	991	94.74%	1,020	97.51%	982	93.88%	983	93.98%
MERCED	4,105	3,992	97.25%	4,024	98.03%	4,086	99.54%	3,998	97.39%	3,928	95.69%
MODOC	143	139	97.20%	141	98.60%	143	100.00%	141	98.60%	135	94.41%
MONO	143	141	98.60%	141	98.60%	142	99.30%	142	99.30%	142	99.30%
MONTEREY	6,688	6,538	97.76%	6,552	97.97%	6,645	99.36%	6,503	97.23%	6,457	96.55%
NAPA	1,677	1,623	96.78%	1,636	97.56%	1,664	99.22%	1,612	96.12%	1,631	97.26%
NEVADA	843	743	88.14%	746	88.49%	769	91.22%	738	87.54%	704	83.51%

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	525,025	502,632	95.73%	504,877	96.16%	517,686	98.60%	499,000	95.04%	491,563	93.63%
COUNTY											
ORANGE	45,869	43,965	95.85%	44,102	96.15%	45,271	98.70%	43,213	94.21%	43,300	94.40%
PLACER	4,047	3,727	92.09%	3,737	92.34%	3,820	94.39%	3,727	92.09%	3,521	87.00%
PLUMAS	236	228	96.61%	228	96.61%	231	97.88%	225	95.34%	206	87.29%
RIVERSIDE	24,203	23,358	96.51%	23,558	97.34%	24,017	99.23%	23,411	96.73%	22,804	94.22%
SACRAMENTO	18,642	17,345	93.04%	17,628	94.56%	18,270	98.00%	17,249	92.53%	17,018	91.29%
SAN BENITO	926	888	95.90%	891	96.22%	911	98.38%	895	96.65%	881	95.14%
SAN BERNARDINO	30,002	28,786	95.95%	29,064	96.87%	29,608	98.69%	28,760	95.86%	28,023	93.40%
SAN DIEGO	42,343	40,601	95.89%	40,855	96.49%	41,740	98.58%	40,555	95.78%	39,877	94.18%
SAN FRANCISCO	7,117	6,634	93.21%	6,626	93.10%	6,786	95.35%	6,693	94.04%	6,565	92.24%
SAN JOAQUIN	9,257	8,993	97.15%	9,056	97.83%	9,208	99.47%	8,985	97.06%	8,793	94.99%
SAN LUIS OBISPO	2,702	2,586	95.71%	2,591	95.89%	2,637	97.59%	2,565	94.93%	2,499	92.49%
SAN MATEO	9,087	8,530	93.87%	8,544	94.02%	8,901	97.95%	8,345	91.83%	8,585	94.48%
SANTA BARBARA	5,967	5,769	96.68%	5,772	96.73%	5,863	98.26%	5,688	95.32%	5,566	93.28%
SANTA CLARA	24,462	23,730	97.01%	23,813	97.35%	24,232	99.06%	23,557	96.30%	23,115	94.49%
SANTA CRUZ	3,293	3,096	94.02%	3,095	93.99%	3,151	95.69%	3,041	92.35%	2,816	85.51%
SHASTA	2,225	2,116	95.10%	2,127	95.60%	2,173	97.66%	2,107	94.70%	2,020	90.79%
SIERRA	50	46	92.00%	46	92.00%	48	96.00%	48	96.00%	42	84.00%
SISKIYOU	510	480	94.12%	482	94.51%	498	97.65%	483	94.71%	460	90.20%
SOLANO	5,870	5,683	96.81%	5,708	97.24%	5,827	99.27%	5,674	96.66%	5,578	95.03%
SONOMA	5,986	5,645	94.30%	5,672	94.75%	5,789	96.71%	5,610	93.72%	5,488	91.68%
STANISLAUS	7,558	7,272	96.22%	7,354	97.30%	7,473	98.88%	7,339	97.10%	7,125	94.27%
SUTTER	1,265	1,231	97.31%	1,234	97.55%	1,262	99.76%	1,223	96.68%	1,213	95.89%
TEHAMA	847	810	95.63%	821	96.93%	831	98.11%	817	96.46%	766	90.44%
TRINITY	128	120	93.75%	120	93.75%	124	96.88%	118	92.19%	106	82.81%
TULARE	7,084	6,884	97.18%	6,938	97.94%	7,051	99.53%	6,915	97.61%	6,582	92.91%
TUOLUMNE	532	493	92.67%	495	93.05%	509	95.68%	486	91.35%	482	90.60%
VENTURA	12,098	11,667	96.44%	11,714	96.83%	11,954	98.81%	11,560	95.55%	11,386	94.11%
YOLO	2,259	2,173	96.19%	2,179	96.46%	2,227	98.58%	2,140	94.73%	2,083	92.21%
YUBA	1,021	962	94.22%	956	93.63%	1,008	98.73%	953	93.34%	959	93.93%

KINDERGARTEN ASSESSMENT - CALIFORNIA, 1998

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	8,373	5,263	62.86%	3,110	37.14%
COUNTY					
ALAMEDA	354	209	59.04%	145	40.96%
ALPINE	3	2	66.67%	1	33.33%
AMADOR	8	6	75.00%	2	25.00%
BUTTE	59	44	74.58%	15	25.42%
CALAVERAS	12	10	83.33%	2	16.67%
COLUSA	7	5	71.43%	2	28.57%
CONTRA COSTA	239	146	61.09%	93	38.91%
DEL NORTE	11	8	72.73%	3	27.27%
EL DORADO	41	31	75.61%	10	24.39%
FRESNO	199	160	80.40%	39	19.60%
GLENN	9	9	100.00%	0	0.00%
HUMBOLDT	63	49	77.78%	14	22.22%
IMPERIAL	45	35	77.78%	10	22.22%
INYO	11	9	81.82%	2	18.18%
KERN	167	133	79.64%	34	20.36%
KINGS	30	23	76.67%	7	23.33%
LAKE	17	12	70.59%	5	29.41%
LASSEN	12	10	83.33%	2	16.67%
LOS ANGELES	2,225	1,186	53.30%	1,039	46.70%
MADERA	38	33	86.84%	5	13.16%
MARIN	80	45	56.25%	35	43.75%
MARIPOSA	8	8	100.00%	0	0.00%
MENDOCINO	33	27	81.82%	6	18.18%
MERCED	61	46	75.41%	15	24.59%
MODOC	7	7	100.00%	0	0.00%
MONO	6	5	83.33%	1	16.67%
MONTEREY	92	72	78.26%	20	21.74%
NAPA	45	25	55.56%	20	44.44%
NEVADA	28	23	82.14%	5	17.86%

KINDERGARTEN ASSESSMENT - CALIFORNIA, 1998

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	TOTAL NUMBER OF SCHOOLS	SCHOOL TYPE			
		PUBLIC		PRIVATE	
		NUMBER OF SCHOOLS	PERCENT OF TOTAL	NUMBER OF SCHOOLS	PERCENT OF TOTAL
STATE TOTAL	8,373	5,263	62.86%	3,110	37.14%
COUNTY					
ORANGE	640	368	57.50%	272	42.50%
PLACER	63	44	69.84%	19	30.16%
PLUMAS	7	6	85.71%	1	14.29%
RIVERSIDE	328	204	62.20%	124	37.80%
SACRAMENTO	332	218	65.66%	114	34.34%
SAN BENITO	19	14	73.68%	5	26.32%
SAN BERNARDINO	421	286	67.93%	135	32.07%
SAN DIEGO	653	392	60.03%	261	39.97%
SAN FRANCISCO	162	78	48.15%	84	51.85%
SAN JOAQUIN	142	107	75.35%	35	24.65%
SAN LUIS OBISPO	57	41	71.93%	16	28.07%
SAN MATEO	186	110	59.14%	76	40.86%
SANTA BARBARA	97	65	67.01%	32	32.99%
SANTA CLARA	400	262	65.50%	138	34.50%
SANTA CRUZ	65	43	66.15%	22	33.85%
SHASTA	56	44	78.57%	12	21.43%
SIERRA	4	4	100.00%	0	0.00%
SISKIYOU	29	25	86.21%	4	13.79%
SOLANO	91	61	67.03%	30	32.97%
SONOMA	139	91	65.47%	48	34.53%
STANISLAUS	122	90	73.77%	32	26.23%
SUTTER	27	22	81.48%	5	18.52%
TEHAMA	21	19	90.48%	2	9.52%
TRINITY	13	11	84.62%	2	15.38%
TULARE	103	89	86.41%	14	13.59%
TUOLUMNE	18	13	72.22%	5	27.78%
VENTURA	202	127	62.87%	75	37.13%
YOLO	41	30	73.17%	11	26.83%
YUBA	25	21	84.00%	4	16.00%