

## 2003-2004 Kindergarten Immunization Assessment Results

The California Department of Health Services Immunization Branch and local health departments conduct school assessments each fall to monitor compliance with California school immunization law. Assessments are performed at licensed childcare/Head Start centers, kindergartens, and seventh grade schools. Each September, assessment forms are sent out to California schools and childcare centers for completion by school staff.

This year's kindergarten immunization assessment results show that 92.5% of the 513,519 children enrolled in reporting kindergartens received all required immunizations mandated by school law for the corresponding school year (3+ Polio, 4+ DTP, 2+ MMR, 3+ Hep B, and 1+ varicella). Results are presented in Table 1.

This year, the percent of children with personal beliefs exemptions (PBEs) or permanent medical exemptions (PMEs) are 1.16% and 0.13%, respectively, similar to last year. A trend graph showing PBE and PME rates since 1996 is presented in Figure 1. The coverage level for the varicella requirement (proof of immunization or physician-documented disease), 97.3% this year, continues to edge upward. This is particularly impressive given that varicella has only been a requirement since 2001. All single antigen coverage levels surpass the Healthy People 2010 goal of 90% coverage. The lowest antigen coverage continues to be for the fourth dose of DTP (95.2%).

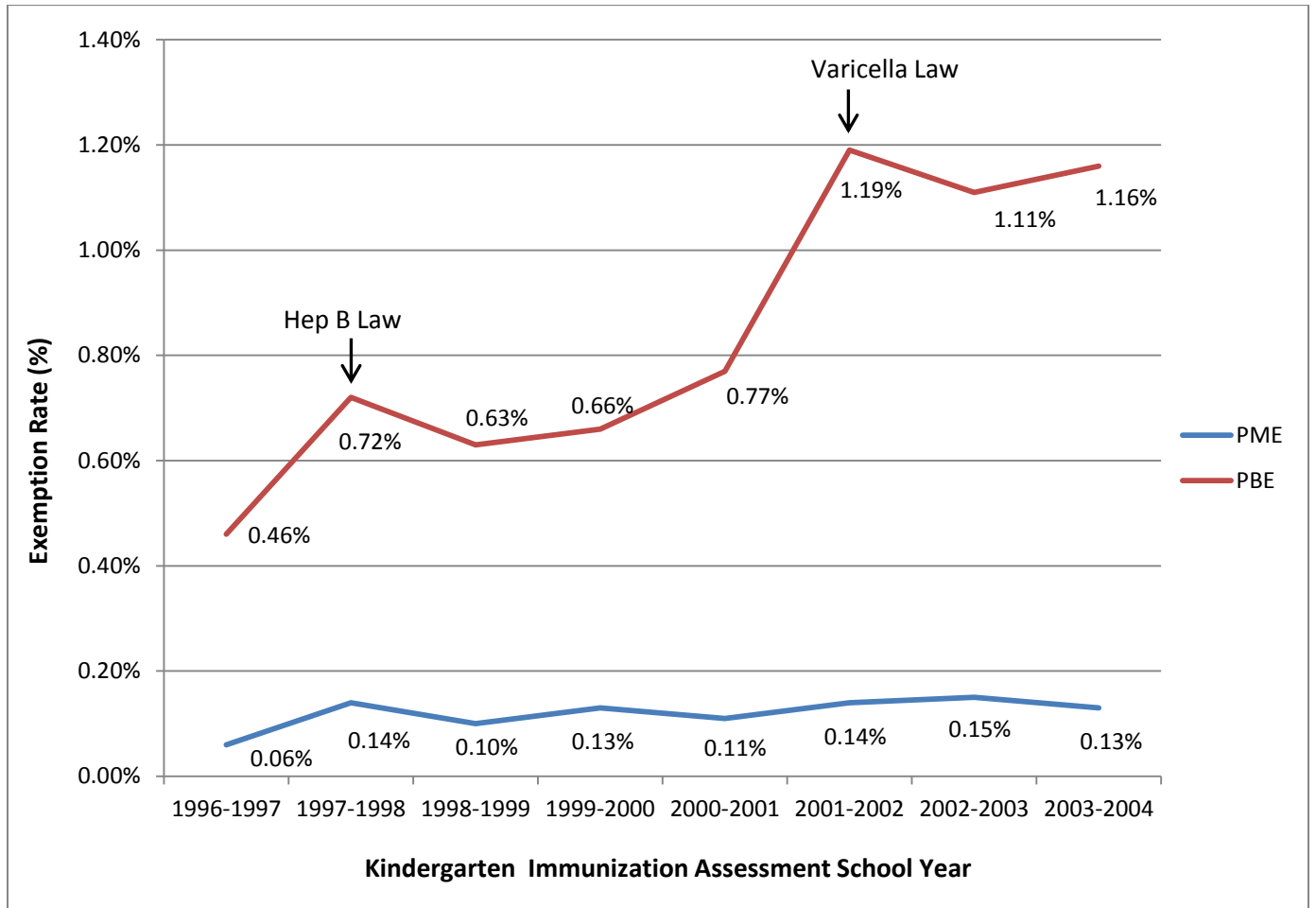
**Table 1: Kindergarten Immunization Assessment, 1999-2000 to 2003-2004 School Years**

	1999-2000	2000-2001	2001-2002	2002-2003	2003-2004
Number of Schools	8,539	8,473	8,705	8,646	8,544
Number of Students	527,640	526,466	523,516	519,397	513,519
All Required Immunizations	91.88%	92.20%	90.85%	92.29%	92.53%
Conditional Entrants	7.35%	6.92%	7.83%	6.45%	6.18%
Permanent Medical Exemptions	0.13%	0.11%	0.14%	0.15%	0.13%
Personal Belief Exemptions	0.66%	0.77%	1.19%	1.11%	1.16%
DTP 4+	95.6%	95.4%	95.3%	95.4%	95.2%
Polio 3+	96.3%	96.0%	95.8%	96.0%	95.6%
MMR 2+	95.6%	95.4%	95.3%	95.7%	95.6%
Hep B 3+	96.3%	96.4%	96.4%	96.9%	96.8%
Varicella 1+	n/a	n/a	95.6%	97.0%	97.3%

Source: Fall School Assessments 1999-2000 to 2003-2004 School Years

Prepared by California Department of Health Services, Immunization Branch

**Figure 1: Medical/Personal Belief Exemptions Trend in Kindergarteners: Kindergarten Immunization Assessment: 1996-1997 to 2003-2004 School Years**



Source: Fall School Assessments 1996-1997 to 2003-2004 School Years  
Prepared by California Department of Health Services, Immunization Branch

**Attachments:**

Enclosed are three additional tables, showing total enrollment and admission status by county (Table 2), students adequately immunized by county (Table 3), and number of schools reporting by county and type of school, public or private (Table 4). Data by school district and by individual school are available upon request. For further information regarding the Kindergarten Assessment, please contact Elisha Larez at (510) 540-2993 or email: [elarez@dhs.ca.gov](mailto:elarez@dhs.ca.gov).

KINDERGARTEN IMMUNIZATION ASSESSMENT - CALIFORNIA, 2003-2004

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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	513,519	475,163	92.53%	31,725	6.18%	693	0.13%	5,938	1.16%
COUNTY									
ALAMEDA	18,414	16,725	90.83%	1,516	8.23%	25	0.14%	148	0.80%
ALPINE	15	13	86.67%	2	13.33%	0	0.00%	0	0.00%
AMADOR	296	279	94.26%	8	2.70%	0	0.00%	9	3.04%
BUTTE	2,460	2,271	92.32%	79	3.21%	4	0.16%	106	4.31%
CALAVERAS	441	405	91.84%	19	4.31%	3	0.68%	14	3.17%
COLUSA	361	337	93.35%	23	6.37%	0	0.00%	1	0.28%
CONTRA COSTA	13,740	13,019	94.75%	514	3.74%	24	0.17%	183	1.33%
DEL NORTE	362	337	93.09%	15	4.14%	1	0.28%	9	2.49%
EL DORADO	2,051	1,892	92.25%	70	3.41%	6	0.29%	83	4.05%
FRESNO	15,137	14,577	96.30%	474	3.13%	11	0.07%	75	0.50%
GLENN	465	452	97.20%	11	2.37%	0	0.00%	2	0.43%
HUMBOLDT	1,472	1,239	84.17%	130	8.83%	5	0.34%	98	6.66%
IMPERIAL	2,643	2,464	93.23%	172	6.51%	4	0.15%	3	0.11%
INYO	198	191	96.46%	4	2.02%	0	0.00%	3	1.52%
KERN	12,606	11,848	93.99%	589	4.67%	14	0.11%	155	1.23%
KINGS	2,295	2,225	96.95%	64	2.79%	0	0.00%	6	0.26%
LAKE	717	632	88.15%	63	8.79%	0	0.00%	22	3.07%
LASSEN	411	327	79.56%	56	13.63%	0	0.00%	28	6.81%
LOS ANGELES	144,334	130,926	90.71%	12,356	8.56%	125	0.09%	927	0.64%
MADERA	2,279	2,158	94.69%	96	4.21%	2	0.09%	23	1.01%
MARIN	2,768	2,425	87.61%	264	9.54%	2	0.07%	77	2.78%
MARIPOSA	156	143	91.67%	6	3.85%	0	0.00%	7	4.49%
MENDOCINO	1,061	879	82.85%	133	12.54%	2	0.19%	47	4.43%
MERCED	4,191	4,013	95.75%	156	3.72%	1	0.02%	21	0.50%
MODOC	139	112	80.58%	22	15.83%	0	0.00%	5	3.60%
MONO	157	132	84.08%	18	11.46%	3	1.91%	4	2.55%
MONTEREY	6,456	6,161	95.43%	234	3.62%	5	0.08%	56	0.87%
NAPA	1,632	1,539	94.30%	79	4.84%	0	0.00%	14	0.86%
NEVADA	1,082	836	77.26%	122	11.28%	3	0.28%	121	11.18%

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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	513,519	475,163	92.53%	31,725	6.18%	693	0.13%	5,938	1.16%
COUNTY									
ORANGE	43,609	40,506	92.88%	2,468	5.66%	119	0.27%	516	1.18%
PLACER	4,694	4,252	90.58%	250	5.33%	16	0.34%	176	3.75%
PLUMAS	191	176	92.15%	6	3.14%	0	0.00%	9	4.71%
RIVERSIDE	28,509	27,150	95.23%	1,136	3.98%	29	0.10%	194	0.68%
SACRAMENTO	18,720	16,631	88.84%	1,816	9.70%	10	0.05%	263	1.40%
SAN BENITO	988	940	95.14%	35	3.54%	2	0.20%	11	1.11%
SAN BERNARDINO	30,414	29,051	95.52%	996	3.27%	34	0.11%	333	1.09%
SAN DIEGO	40,499	37,950	93.71%	1,874	4.63%	73	0.18%	602	1.49%
SAN FRANCISCO	5,993	5,491	91.62%	462	7.71%	5	0.08%	35	0.58%
SAN JOAQUIN	10,542	10,057	95.40%	431	4.09%	12	0.11%	42	0.40%
SAN LUIS OBISPO	2,590	2,414	93.20%	84	3.24%	5	0.19%	87	3.36%
SAN MATEO	8,333	7,704	92.45%	527	6.32%	9	0.11%	93	1.12%
SANTA BARBARA	5,700	5,274	92.53%	284	4.98%	6	0.11%	136	2.39%
SANTA CLARA	22,727	21,197	93.27%	1,264	5.56%	44	0.19%	222	0.98%
SANTA CRUZ	3,140	2,750	87.58%	239	7.61%	13	0.41%	138	4.39%
SHASTA	2,193	2,003	91.34%	109	4.97%	7	0.32%	74	3.37%
SIERRA	37	31	83.78%	1	2.70%	0	0.00%	5	13.51%
SISKIYOU	453	387	85.43%	26	5.74%	4	0.88%	36	7.95%
SOLANO	5,812	5,519	94.96%	251	4.32%	7	0.12%	35	0.60%
SONOMA	5,869	5,329	90.80%	348	5.93%	5	0.09%	187	3.19%
STANISLAUS	8,198	7,795	95.08%	283	3.45%	17	0.21%	103	1.26%
SUTTER	1,414	1,347	95.26%	64	4.53%	1	0.07%	2	0.14%
TEHAMA	790	721	91.27%	33	4.18%	5	0.63%	31	3.92%
TRINITY	132	113	85.61%	8	6.06%	1	0.76%	10	7.58%
TULARE	7,671	7,345	95.75%	271	3.53%	5	0.07%	50	0.65%
TUOLUMNE	522	429	82.18%	48	9.20%	2	0.38%	43	8.24%
VENTURA	12,022	10,915	90.79%	879	7.31%	20	0.17%	208	1.73%
YOLO	2,268	2,124	93.65%	110	4.85%	1	0.04%	33	1.46%
YUBA	1,150	1,005	87.39%	127	11.04%	1	0.09%	17	1.48%

TABLE 3: STUDENTS ADEQUATELY IMMUNIZED  
BY COUNTY

	TOTAL STUDENTS	DTP 4+		POLIO 3+		MMR 1		MMR 2		HEP B 3+		VAR 1+	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	513,519	488,718	95.17%	490,779	95.57%	502,961	97.94%	490,643	95.55%	496,989	96.78%	499,607	97.29%
COUNTY													
ALAMEDA	18,414	17,372	94.34%	17,466	94.85%	18,049	98.02%	17,448	94.75%	17,808	96.71%	17,859	96.99%
ALPINE	15	13	86.67%	13	86.67%	14	93.33%	14	93.33%	14	93.33%	14	93.33%
AMADOR	296	284	95.95%	285	96.28%	287	96.96%	282	95.27%	283	95.61%	286	96.62%
BUTTE	2,460	2,308	93.82%	2,314	94.07%	2,336	94.96%	2,303	93.62%	2,323	94.43%	2,327	94.59%
CALAVERAS	441	409	92.74%	410	92.97%	421	95.46%	416	94.33%	418	94.78%	417	94.56%
COLUSA	361	351	97.23%	353	97.78%	360	99.72%	348	96.40%	353	97.78%	354	98.06%
CONTRA COSTA	13,740	13,221	96.22%	13,263	96.53%	13,419	97.66%	13,248	96.42%	13,332	97.03%	13,383	97.40%
DEL NORTE	362	343	94.75%	344	95.03%	351	96.96%	341	94.20%	348	96.13%	350	96.69%
EL DORADO	2,051	1,916	93.42%	1,918	93.52%	1,952	95.17%	1,913	93.27%	1,941	94.64%	1,943	94.73%
FRESNO	15,137	14,811	97.85%	14,848	98.09%	15,023	99.25%	14,857	98.15%	14,894	98.39%	15,000	99.09%
GLENN	465	455	97.85%	456	98.06%	460	98.92%	454	97.63%	458	98.49%	460	98.92%
HUMBOLDT	1,472	1,287	87.43%	1,285	87.30%	1,343	91.24%	1,283	87.16%	1,316	89.40%	1,323	89.88%
IMPERIAL	2,643	2,589	97.96%	2,589	97.96%	2,630	99.51%	2,557	96.75%	2,598	98.30%	2,612	98.83%
INYO	198	194	97.98%	193	97.47%	194	97.98%	193	97.47%	195	98.48%	192	96.97%
KERN	12,606	12,076	95.80%	12,188	96.68%	12,383	98.23%	12,203	96.80%	12,194	96.73%	12,337	97.87%
KINGS	2,295	2,252	98.13%	2,261	98.52%	2,288	99.69%	2,265	98.69%	2,264	98.65%	2,279	99.30%
LAKE	717	662	92.33%	662	92.33%	681	94.98%	653	91.07%	668	93.17%	666	92.89%
LASSEN	411	343	83.45%	345	83.94%	374	91.00%	339	82.48%	371	90.27%	369	89.78%
LOS ANGELES	144,334	136,198	94.36%	137,015	94.93%	141,191	97.82%	137,555	95.30%	139,099	96.37%	139,900	96.93%
MADERA	2,279	2,186	95.92%	2,201	96.58%	2,247	98.60%	2,205	96.75%	2,224	97.59%	2,235	98.07%
MARIN	2,768	2,516	90.90%	2,526	91.26%	2,622	94.73%	2,506	90.53%	2,582	93.28%	2,580	93.21%
MARIPOSA	156	147	94.23%	143	91.67%	148	94.87%	145	92.95%	148	94.87%	148	94.87%
MENDOCINO	1,061	930	87.65%	932	87.84%	988	93.12%	940	88.60%	966	91.05%	958	90.29%
MERCED	4,191	4,076	97.26%	4,103	97.90%	4,167	99.43%	4,108	98.02%	4,119	98.28%	4,146	98.93%
MODOC	139	127	91.37%	127	91.37%	133	95.68%	118	84.89%	131	94.24%	130	93.53%
MONO	157	142	90.45%	142	90.45%	149	94.90%	137	87.26%	142	90.45%	145	92.36%
MONTEREY	6,456	6,275	97.20%	6,285	97.35%	6,373	98.71%	6,280	97.27%	6,318	97.86%	6,351	98.37%
NAPA	1,632	1,582	96.94%	1,586	97.18%	1,612	98.77%	1,575	96.51%	1,588	97.30%	1,599	97.98%
NEVADA	1,082	871	80.50%	869	80.31%	910	84.10%	868	80.22%	907	83.83%	894	82.62%

TABLE 3: STUDENTS ADEQUATELY IMMUNIZED  
BY COUNTY

	TOTAL STUDENTS	DTP 4+		POLIO 3+		MMR 1		MMR 2		HEP B 3+		VAR 1+	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
STATE TOTAL	513,519	488,718	95.17%	490,779	95.57%	502,961	97.94%	490,643	95.55%	496,989	96.78%	499,607	97.29%
COUNTY													
ORANGE	43,609	41,671	95.56%	41,728	95.69%	42,825	98.20%	41,535	95.24%	42,390	97.20%	42,562	97.60%
PLACER	4,694	4,345	92.56%	4,350	92.67%	4,470	95.23%	4,350	92.67%	4,429	94.35%	4,436	94.50%
PLUMAS	191	179	93.72%	178	93.19%	182	95.29%	179	93.72%	181	94.76%	180	94.24%
RIVERSIDE	28,509	27,752	97.34%	27,901	97.87%	28,210	98.95%	27,801	97.52%	27,894	97.84%	28,138	98.70%
SACRAMENTO	18,720	17,235	92.07%	17,328	92.56%	18,336	97.95%	17,217	91.97%	18,050	96.42%	18,128	96.84%
SAN BENITO	988	952	96.36%	963	97.47%	974	98.58%	960	97.17%	961	97.27%	968	97.98%
SAN BERNARDINO	30,414	29,517	97.05%	29,594	97.30%	29,975	98.56%	29,565	97.21%	29,754	97.83%	29,879	98.24%
SAN DIEGO	40,499	38,671	95.49%	38,814	95.84%	39,646	97.89%	38,819	95.85%	39,293	97.02%	39,513	97.57%
SAN FRANCISCO	5,993	5,629	93.93%	5,637	94.06%	5,783	96.50%	5,706	95.21%	5,757	96.06%	5,753	96.00%
SAN JOAQUIN	10,542	10,272	97.44%	10,307	97.77%	10,460	99.22%	10,279	97.51%	10,354	98.22%	10,415	98.80%
SAN LUIS OBISPO	2,590	2,443	94.32%	2,447	94.48%	2,489	96.10%	2,443	94.32%	2,477	95.64%	2,480	95.75%
SAN MATEO	8,333	7,923	95.08%	7,932	95.19%	8,207	98.49%	7,897	94.77%	8,104	97.25%	8,145	97.74%
SANTA BARBARA	5,700	5,385	94.47%	5,410	94.91%	5,542	97.23%	5,398	94.70%	5,470	95.96%	5,492	96.35%
SANTA CLARA	22,727	21,735	95.64%	21,797	95.91%	22,383	98.49%	21,751	95.71%	22,158	97.50%	22,291	98.08%
SANTA CRUZ	3,140	2,846	90.64%	2,855	90.92%	2,967	94.49%	2,853	90.86%	2,909	92.64%	2,923	93.09%
SHASTA	2,193	2,048	93.39%	2,056	93.75%	2,095	95.53%	2,044	93.21%	2,081	94.89%	2,078	94.76%
SIERRA	37	31	83.78%	32	86.49%	32	86.49%	32	86.49%	32	86.49%	31	83.78%
SISKIYOU	453	401	88.52%	399	88.08%	411	90.73%	397	87.64%	408	90.07%	408	90.07%
SOLANO	5,812	5,638	97.01%	5,659	97.37%	5,749	98.92%	5,634	96.94%	5,696	98.00%	5,712	98.28%
SONOMA	5,869	5,467	93.15%	5,485	93.46%	5,652	96.30%	5,476	93.30%	5,549	94.55%	5,579	95.06%
STANISLAUS	8,198	7,914	96.54%	7,957	97.06%	8,060	98.32%	7,941	96.87%	7,987	97.43%	8,032	97.98%
SUTTER	1,414	1,367	96.68%	1,364	96.46%	1,405	99.36%	1,369	96.82%	1,395	98.66%	1,391	98.37%
TEHAMA	790	742	93.92%	746	94.43%	743	94.05%	749	94.81%	745	94.30%	744	94.18%
TRINITY	132	117	88.64%	118	89.39%	121	91.67%	118	89.39%	119	90.15%	115	87.12%
TULARE	7,671	7,474	97.43%	7,489	97.63%	7,609	99.19%	7,505	97.84%	7,499	97.76%	7,595	99.01%
TUOLUMNE	522	448	85.82%	449	86.02%	467	89.46%	450	86.21%	461	88.31%	458	87.74%
VENTURA	12,022	11,363	94.52%	11,418	94.98%	11,705	97.36%	11,382	94.68%	11,518	95.81%	11,589	96.40%
YOLO	2,268	2,181	96.16%	2,180	96.12%	2,230	98.32%	2,185	96.34%	2,208	97.35%	2,205	97.22%
YUBA	1,150	1,036	90.09%	1,064	92.52%	1,128	98.09%	1,054	91.65%	1,108	96.35%	1,110	96.52%

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	8,544	5,535	64.78%	3,009	35.22%
COUNTY					
ALAMEDA	351	214	60.97%	137	39.03%
ALPINE	2	2	100.00%	0	0.00%
AMADOR	8	6	75.00%	2	25.00%
BUTTE	64	48	75.00%	16	25.00%
CALAVERAS	12	11	91.67%	1	8.33%
COLUSA	7	6	85.71%	1	14.29%
CONTRA COSTA	234	147	62.82%	87	37.18%
DEL NORTE	12	9	75.00%	3	25.00%
EL DORADO	45	33	73.33%	12	26.67%
FRESNO	212	174	82.08%	38	17.92%
GLENN	11	10	90.91%	1	9.09%
HUMBOLDT	61	51	83.61%	10	16.39%
IMPERIAL	47	36	76.60%	11	23.40%
INYO	9	8	88.89%	1	11.11%
KERN	176	136	77.27%	40	22.73%
KINGS	36	29	80.56%	7	19.44%
LAKE	18	13	72.22%	5	27.78%
LASSEN	13	11	84.62%	2	15.38%
LOS ANGELES	2,233	1,224	54.81%	1,009	45.19%
MADERA	35	32	91.43%	3	8.57%
MARIN	75	43	57.33%	32	42.67%
MARIPOSA	9	9	100.00%	0	0.00%
MENDOCINO	37	29	78.38%	8	21.62%
MERCED	65	49	75.38%	16	24.62%
MODOC	7	7	100.00%	0	0.00%
MONO	7	6	85.71%	1	14.29%
MONTEREY	89	75	84.27%	14	15.73%
NAPA	41	27	65.85%	14	34.15%
NEVADA	34	28	82.35%	6	17.65%

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	8,544	5,535	64.78%	3,009	35.22%
COUNTY					
ORANGE	679	389	57.29%	290	42.71%
PLACER	82	59	71.95%	23	28.05%
PLUMAS	7	6	85.71%	1	14.29%
RIVERSIDE	378	243	64.29%	135	35.71%
SACRAMENTO	329	233	70.82%	96	29.18%
SAN BENITO	19	15	78.95%	4	21.05%
SAN BERNARDINO	439	299	68.11%	140	31.89%
SAN DIEGO	653	415	63.55%	238	36.45%
SAN FRANCISCO	150	76	50.67%	74	49.33%
SAN JOAQUIN	165	124	75.15%	41	24.85%
SAN LUIS OBISPO	61	45	73.77%	16	26.23%
SAN MATEO	183	109	59.56%	74	40.44%
SANTA BARBARA	101	73	72.28%	28	27.72%
SANTA CLARA	366	240	65.57%	126	34.43%
SANTA CRUZ	61	44	72.13%	17	27.87%
SHASTA	60	48	80.00%	12	20.00%
SIERRA	3	3	100.00%	0	0.00%
SISKIYOU	28	22	78.57%	6	21.43%
SOLANO	93	61	65.59%	32	34.41%
SONOMA	138	101	73.19%	37	26.81%
STANISLAUS	126	101	80.16%	25	19.84%
SUTTER	34	27	79.41%	7	20.59%
TEHAMA	22	20	90.91%	2	9.09%
TRINITY	10	10	100.00%	0	0.00%
TULARE	109	92	84.40%	17	15.60%
TUOLUMNE	17	13	76.47%	4	23.53%
VENTURA	207	135	65.22%	72	34.78%
YOLO	45	33	73.33%	12	26.67%
YUBA	29	26	89.66%	3	10.34%