2011 Kindergarten Assessment Results
California Department of Public Health, Immunization Branch

Introduction
The annual kindergarten assessment is conducted each fall to monitor compliance with the California School Immunization Law. Results from this assessment are used to measure immunization coverage among students entering kindergarten. This report presents results from this year's kindergarten assessment and the attached tables present comparisons of immunization coverage in kindergarten schools by county.

Methods and Participants
This year's kindergarten assessment was conducted in 8,301 of California's schools with kindergartens. School staff complete assessment reports and return them to local health departments and the Immunization Branch.

Results and Discussion
Table 1 shows the results from the fall 2011 kindergarten assessment. This year 91.0% of the 529,400 students enrolled in reporting kindergartens received all required immunizations (4+ DTP, 3+ Polio, 2+ MMR, 3+ Hep B, and 1+ Var or physician-documented varicella disease). There were 871 (0.16%) students with permanent medical exemptions and 12,665 (2.39%) students with personal belief exemptions. Immunization coverage was above 92% for each vaccine.

Table 1: Kindergarten Assessment, 2011*

Number of Schools	8,301
Number of Students	529,400
All Required Immunizations	91.0%
Conditional Entrants	6.5%
Permanent Medical Exemptions	0.16%
Personal Belief Exemptions	2.39%
4+ DTP	93.0%
3+ Polio	93.2%
2+ MMR	93.3%
3+ Hep B	95.7%
1+ Var (or physician-documented disease)	96.1%

*Individual antigen status is unavailable for students with Personal Beliefs Exemptions. Therefore, individual antigen immunization coverage may be underestimated; anecdotal evidence suggests a small percentage of students may have some but not all required immunizations.

Description of Attached Tables
Enclosed is a full set of tables showing this year's results. Table 2 shows total enrollment and admission status by county. Table 3 shows students adequately immunized for each vaccine by county. 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.

Rev 05/21/2012

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2011
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	529,400	481,533	90.96%	34,331	6.48%	871	0.16%	12,665	2.39%
COUNTY									
ALAMEDA	19,753	17,768	89.95%	1,694	8.58%	25	0.13%	266	1.35%
ALPINE	12	12	100.00%	0	0.00%	0	0.00%	0	0.00%
AMADOR	326	289	88.65%	21	6.44%	3	0.92%	13	3.99%
BUTTE	2,631	2,329	88.52%	188	7.15%	5	0.19%	109	4.14%
CALAVERAS	406	323	79.56%	57	14.04%	0	0.00%	26	6.40%
COLUSA	386	378	97.93%	4	1.04%	0	0.00%	4	1.04%
CONTRA COSTA	14,484	13,621	94.04%	583	4.03%	23	0.16%	257	1.77%
DEL NORTE	372	323	86.83%	16	4.30%	1	0.27%	32	8.60%
EL DORADO	2,593	2,261	87.20%	156	6.02%	6	0.23%	170	6.56%
FRESNO	16,531	15,623	94.51%	673	4.07%	12	0.07%	223	1.35%
GLENN	483	466	96.48%	9	1.86%	1	0.21%	7	1.45%
HUMBOLDT	1,611	1,234	76.60%	208	12.91%	3	0.19%	166	10.30%
IMPERIAL	2,788	2,612	93.69%	167	5.99%	1	0.04%	8	0.29%
INYO	238	234	98.32%	0	0.00%	0	0.00%	4	1.68%
KERN	15,141	14,074	92.95%	698	4.61%	93	0.61%	276	1.82%
KINGS	2,586	2,464	95.28%	72	2.78%	2	0.08%	48	1.86%
LAKE	725	627	86.48%	69	9.52%	1	0.14%	28	3.86%
LASSEN	331	283	85.50%	24	7.25%	0	0.00%	24	7.25%
LOS ANGELES	131,142	116,970	89.19%	11,855	9.04%	151	0.12%	2,166	1.65%
MADERA	2,594	2,421	93.33%	128	4.93%	0	0.00%	45	1.73%
MARIN	3,378	2,632	77.92%	516	15.28%	0	0.00%	230	6.81%
MARIPOSA	166	146	87.95%	11	6.63%	0	0.00%	9	5.42%
MENDOCINO	1,090	910	83.49%	84	7.71%	3	0.28%	93	8.53%
MERCED	4,794	4,556	95.04%	202	4.21%	3	0.06%	33	0.69%
MODOC	138	102	73.91%	32	23.19%	1	0.72%	3	2.17%
MONO	151	148	98.01%	1	0.66%	0	0.00%	2	1.32%
MONTEREY	6,871	6,443	93.77%	347	5.05%	9	0.13%	72	1.05%
NAPA	1,795	1,677	93.43%	64	3.57%	3	0.17%	51	2.84%
NEVADA	760	544	71.58%	62	8.16%	0	0.00%	154	20.26%

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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	529,400	481,533	90.96%	34,331	6.48%	871	0.16%	12,665	2.39%
COUNTY									
ORANGE	42,098	37,692	89.53%	3,064	7.28%	101	0.24%	1,241	2.95%
PLACER	5,341	4,621	86.52%	361	6.76%	7	0.13%	352	6.59%
PLUMAS	192	170	88.54%	7	3.65%	0	0.00%	15	7.81%
RIVERSIDE	33,282	31,203	93.75%	1,436	4.31%	44	0.13%	599	1.80%
SACRAMENTO	20,247	16,967	83.80%	2,624	12.96%	24	0.12%	632	3.12%
SAN BENITO	926	893	96.44%	19	2.05%	4	0.43%	10	1.08%
SAN BERNARDINO	32,937	31,088	94.39%	1,164	3.53%	52	0.16%	633	1.92%
SAN DIEGO	43,333	39,764	91.76%	2,033	4.69%	89	0.21%	1,447	3.34%
SAN FRANCISCO	6,796	6,001	88.30%	689	10.14%	8	0.12%	98	1.44%
SAN JOAQUIN	11,303	10,948	96.86%	218	1.93%	8	0.07%	129	1.14%
SAN LUIS OBISPO	2,803	2,431	86.73%	234	8.35%	11	0.39%	127	4.53%
SAN MATEO	9,419	8,586	91.16%	604	6.41%	17	0.18%	212	2.25%
SANTA BARBARA	5,804	5,434	93.63%	190	3.27%	12	0.21%	168	2.89%
SANTA CLARA	26,210	24,742	94.40%	915	3.49%	73	0.28%	480	1.83%
SANTA CRUZ	3,637	3,036	83.48%	264	7.26%	8	0.22%	329	9.05%
SHASTA	2,258	1,856	82.20%	214	9.48%	5	0.22%	183	8.10%
SIERRA	28	27	96.43%	1	3.57%	0	0.00%	0	0.00%
SISKIYOU	491	391	79.63%	58	11.81%	0	0.00%	42	8.55%
SOLANO	5,302	5,042	95.10%	188	3.55%	6	0.11%	66	1.24%
SONOMA	6,110	5,492	89.89%	303	4.96%	6	0.10%	309	5.06%
STANISLAUS	8,636	8,132	94.16%	217	2.51%	5	0.06%	282	3.27%
SUTTER	1,719	1,554	90.40%	50	2.91%	5	0.29%	110	6.40%
TEHAMA	933	872	93.46%	25	2.68%	2	0.21%	34	3.64%
TRINITY	127	100	78.74%	8	6.30%	0	0.00%	19	14.96%
TULARE	8,563	8,216	95.95%	251	2.93%	7	0.08%	89	1.04%
TUOLUMNE	531	397	74.76%	68	12.81%	1	0.19%	65	12.24%
VENTURA	12,271	10,902	88.84%	968	7.89%	27	0.22%	374	3.05%
YOLO	2,580	2,391	92.67%	115	4.46%	2	0.08%	72	2.79%
YUBA	1,247	1,115	89.41%	102	8.18%	1	0.08%	29	2.33%

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2011
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	529,400	492,268	92.99%	493,460	93.21%	509,721	96.28%	493,705	93.26%	506,572	95.69%	508,641	96.08%
COUNTY													
ALAMEDA	19,753	18,391	93.10%	18,410	93.20%	19,203	97.22%	18,487	93.59%	18,934	95.85%	19,106	96.72%
ALPINE	12	12	100.00%	12	100.00%	12	100.00%	12	100.00%	12	100.00%	12	100.00%
AMADOR	326	296	90.80%	298	91.41%	307	94.17%	298	91.41%	306	93.87%	306	93.87%
BUTTE	2,631	2,367	89.97%	2,375	90.27%	2,478	94.18%	2,377	90.35%	2,468	93.80%	2,469	93.84%
CALAVERAS	406	327	80.54%	328	80.79%	367	90.39%	340	83.74%	364	89.66%	363	89.41%
COLUSA	386	381	98.70%	382	98.96%	380	98.45%	378	97.93%	382	98.96%	380	98.45%
CONTRA COSTA	14,484	13,790	95.21%	13,814	95.37%	14,110	97.42%	13,834	95.51%	14,043	96.96%	14,079	97.20%
DEL NORTE	372	326	87.63%	330	88.71%	330	88.71%	328	88.17%	330	88.71%	329	88.44%
EL DORADO	2,593	2,306	88.93%	2,311	89.12%	2,408	92.87%	2,320	89.47%	2,402	92.63%	2,401	92.60%
FRESNO	16,531	15,790	95.52%	15,815	95.67%	16,158	97.74%	15,966	96.58%	16,120	97.51%	16,155	97.73%
GLENN	483	468	96.89%	469	97.10%	472	97.72%	469	97.10%	471	97.52%	472	97.72%
HUMBOLDT	1,611	1,275	79.14%	1,275	79.14%	1,360	84.42%	1,296	80.45%	1,343	83.36%	1,346	83.55%
IMPERIAL	2,788	2,691	96.52%	2,701	96.88%	2,776	99.57%	2,682	96.20%	2,761	99.03%	2,742	98.35%
INYO	238	234	98.32%	234	98.32%	234	98.32%	234	98.32%	234	98.32%	234	98.32%
KERN	15,141	14,300	94.45%	14,349	94.77%	14,625	96.59%	14,330	94.64%	14,504	95.79%	14,599	96.42%
KINGS	2,586	2,481	95.94%	2,497	96.56%	2,534	97.99%	2,505	96.87%	2,529	97.80%	2,533	97.95%
LAKE	725	642	88.55%	644	88.83%	665	91.72%	663	91.45%	664	91.59%	664	91.59%
LASSEN	331	290	87.61%	292	88.22%	301	90.94%	290	87.61%	299	90.33%	300	90.63%
LOS ANGELES	131,142	121,044	92.30%	121,423	92.59%	126,177	96.21%	121,151	92.38%	125,204	95.47%	125,961	96.05%
MADERA	2,594	2,452	94.53%	2,455	94.64%	2,530	97.53%	2,478	95.53%	2,521	97.19%	2,525	97.34%
MARIN	3,378	2,785	82.45%	2,781	82.33%	2,897	85.76%	2,794	82.71%	2,907	86.06%	2,950	87.33%
MARIPOSA	166	147	88.55%	150	90.36%	155	93.37%	150	90.36%	155	93.37%	154	92.77%
MENDOCINO	1,090	923	84.68%	925	84.86%	977	89.63%	926	84.95%	971	89.08%	956	87.71%
MERCED	4,794	4,635	96.68%	4,653	97.06%	4,732	98.71%	4,644	96.87%	4,716	98.37%	4,711	98.27%
MODOC	138	112	81.16%	118	85.51%	131	94.93%	111	80.43%	128	92.75%	127	92.03%
MONO	151	148	98.01%	148	98.01%	148	98.01%	149	98.68%	148	98.01%	148	98.01%
MONTEREY	6,871	6,528	95.01%	6,537	95.14%	6,740	98.09%	6,576	95.71%	6,714	97.72%	6,734	98.01%
NAPA	1,795	1,692	94.26%	1,692	94.26%	1,732	96.49%	1,695	94.43%	1,726	96.16%	1,730	96.38%
NEVADA	760	552	72.63%	554	72.89%	588	77.37%	565	74.34%	586	77.11%	575	75.66%

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2011
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	529,400	492,268	92.99%	493,460	93.21%	509,721	96.28%	493,705	93.26%	506,572	95.69%	508,641	96.08%
COUNTY													
ORANGE	42,098	38,687	91.90%	38,721	91.98%	40,447	96.08%	38,760	92.07%	40,165	95.41%	40,336	95.81%
PLACER	5,341	4,712	88.22%	4,737	88.69%	4,941	92.51%	4,700	88.00%	4,892	91.59%	4,911	91.95%
PLUMAS	192	172	89.58%	171	89.06%	175	91.15%	172	89.58%	175	91.15%	175	91.15%
RIVERSIDE	33,282	31,644	95.08%	31,753	95.41%	32,469	97.56%	31,749	95.39%	32,339	97.17%	32,475	97.58%
SACRAMENTO	20,247	17,581	86.83%	17,695	87.40%	19,299	95.32%	17,681	87.33%	19,047	94.07%	19,195	94.80%
SAN BENITO	926	900	97.19%	901	97.30%	911	98.38%	898	96.98%	911	98.38%	909	98.16%
SAN BERNARDINO	32,937	31,419	95.39%	31,530	95.73%	32,053	97.32%	31,541	95.76%	31,852	96.71%	32,032	97.25%
SAN DIEGO	43,333	40,350	93.12%	40,396	93.22%	41,466	95.69%	40,462	93.37%	41,259	95.21%	41,342	95.41%
SAN FRANCISCO	6,796	6,181	90.95%	6,159	90.63%	6,400	94.17%	6,297	92.66%	6,404	94.23%	6,372	93.76%
SAN JOAQUIN	11,303	11,014	97.44%	11,031	97.59%	11,151	98.66%	11,027	97.56%	11,109	98.28%	11,135	98.51%
SAN LUIS OBISPO	2,803	2,504	89.33%	2,484	88.62%	2,657	94.79%	2,476	88.33%	2,642	94.26%	2,650	94.54%
SAN MATEO	9,419	8,771	93.12%	8,784	93.26%	9,155	97.20%	8,764	93.05%	9,104	96.66%	9,136	97.00%
SANTA BARBARA	5,804	5,506	94.87%	5,505	94.85%	5,591	96.33%	5,504	94.83%	5,564	95.86%	5,583	96.19%
SANTA CLARA	26,210	25,087	95.72%	25,135	95.90%	25,527	97.39%	25,121	95.85%	25,432	97.03%	25,502	97.30%
SANTA CRUZ	3,637	3,137	86.25%	3,143	86.42%	3,268	89.85%	3,131	86.09%	3,231	88.84%	3,249	89.33%
SHASTA	2,258	1,896	83.97%	1,902	84.23%	2,031	89.95%	1,899	84.10%	2,024	89.64%	2,014	89.19%
SIERRA	28	27	96.43%	27	96.43%	28	100.00%	27	96.43%	28	100.00%	28	100.00%
SISKIYOU	491	407	82.89%	408	83.10%	436	88.80%	413	84.11%	438	89.21%	423	86.15%
SOLANO	5,302	5,090	96.00%	5,109	96.36%	5,205	98.17%	5,109	96.36%	5,183	97.76%	5,208	98.23%
SONOMA	6,110	5,590	91.49%	5,591	91.51%	5,736	93.88%	5,613	91.87%	5,715	93.54%	5,718	93.58%
STANISLAUS	8,636	8,170	94.60%	8,201	94.96%	8,345	96.63%	8,205	95.01%	8,319	96.33%	8,332	96.48%
SUTTER	1,719	1,567	91.16%	1,572	91.45%	1,597	92.90%	1,568	91.22%	1,594	92.73%	1,598	92.96%
TEHAMA	933	887	95.07%	889	95.28%	895	95.93%	876	93.89%	891	95.50%	894	95.82%
TRINITY	127	102	80.31%	102	80.31%	105	82.68%	103	81.10%	106	83.46%	105	82.68%
TULARE	8,563	8,292	96.84%	8,314	97.09%	8,431	98.46%	8,297	96.89%	8,398	98.07%	8,425	98.39%
TUOLUMNE	531	426	80.23%	425	80.04%	453	85.31%	410	77.21%	443	83.43%	450	84.75%
VENTURA	12,271	11,200	91.27%	11,217	91.41%	11,725	95.55%	11,288	91.99%	11,694	95.30%	11,694	95.30%
YOLO	2,580	2,431	94.22%	2,442	94.65%	2,493	96.63%	2,425	93.99%	2,477	96.01%	2,486	96.36%
YUBA	1,247	1,133	90.86%	1,144	91.74%	1,204	96.55%	1,141	91.50%	1,194	95.75%	1,203	96.47%

KINDERGARTEN ASSESSMENT - CALIFORNIA, 2011
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	8,301	5,838	70.33%	2,463	29.67%
COUNTY					
ALAMEDA	347	226	65.13%	121	34.87%
ALPINE	1	1	100.00%	0	0.00%
AMADOR	9	7	77.78%	2	22.22%
BUTTE	60	47	78.33%	13	21.67%
CALAVERAS	12	11	91.67%	1	8.33%
COLUSA	7	6	85.71%	1	14.29%
CONTRA COSTA	229	157	68.56%	72	31.44%
DEL NORTE	11	10	90.91%	1	9.09%
EL DORADO	48	40	83.33%	8	16.67%
FRESNO	225	193	85.78%	32	14.22%
GLENN	12	11	91.67%	1	8.33%
HUMBOLDT	62	52	83.87%	10	16.13%
IMPERIAL	44	38	86.36%	6	13.64%
INYO	8	7	87.50%	1	12.50%
KERN	181	152	83.98%	29	16.02%
KINGS	37	30	81.08%	7	18.92%
LAKE	16	13	81.25%	3	18.75%
LASSEN	11	11	100.00%	0	0.00%
LOS ANGELES	2,002	1,274	63.64%	728	36.36%
MADERA	36	33	91.67%	3	8.33%
MARIN	79	45	56.96%	34	43.04%
MARIPOSA	6	6	100.00%	0	0.00%
MENDOCINO	32	27	84.38%	5	15.63%
MERCED	68	54	79.41%	14	20.59%
MODOC	7	5	71.43%	2	28.57%
MONO	6	5	83.33%	1	16.67%
MONTEREY	91	75	82.42%	16	17.58%
NAPA	41	24	58.54%	17	41.46%
NEVADA	24	21	87.50%	3	12.50%

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		PUBLIC		PRIVATE	
		NUMBER OF SCHOOLS	PERCENT OF TOTAL	NUMBER OF SCHOOLS	PERCENT OF TOTAL
STATE TOTAL	8,301	5,838	70.33%	2,463	29.67%
COUNTY					
ORANGE	644	394	61.18%	250	38.82%
PLACER	100	77	77.00%	23	23.00%
PLUMAS	8	5	62.50%	3	37.50%
RIVERSIDE	398	288	72.36%	110	27.64%
SACRAMENTO	315	235	74.60%	80	25.40%
SAN BENITO	20	17	85.00%	3	15.00%
SAN BERNARDINO	450	340	75.56%	110	24.44%
SAN DIEGO	640	446	69.69%	194	30.31%
SAN FRANCISCO	147	75	51.02%	72	48.98%
SAN JOAQUIN	179	147	82.12%	32	17.88%
SAN LUIS OBISPO	58	44	75.86%	14	24.14%
SAN MATEO	171	108	63.16%	63	36.84%
SANTA BARBARA	101	75	74.26%	26	25.74%
SANTA CLARA	401	249	62.09%	152	37.91%
SANTA CRUZ	63	44	69.84%	19	30.16%
SHASTA	61	48	78.69%	13	21.31%
SIERRA	2	2	100.00%	0	0.00%
SISKIYOU	25	24	96.00%	1	4.00%
SOLANO	78	57	73.08%	21	26.92%
SONOMA	126	97	76.98%	29	23.02%
STANISLAUS	126	111	88.10%	15	11.90%
SUTTER	34	30	88.24%	4	11.76%
TEHAMA	21	20	95.24%	1	4.76%
TRINITY	12	12	100.00%	0	0.00%
TULARE	113	103	91.15%	10	8.85%
TUOLUMNE	19	14	73.68%	5	26.32%
VENTURA	208	141	67.79%	67	32.21%
YOLO	45	31	68.89%	14	31.11%
YUBA	24	23	95.83%	1	4.17%