

2013- 2014 7TH GRADE IMMUNIZATION ASSESSMENT RESULTS
CALIFORNIA DEPARTMENT OF PUBLIC HEALTH, IMMUNIZATION BRANCH

Introduction

Under Assembly Bill 354 (2010), California Health and Safety Code Section 120335 required students in 7-12th grade during the 2011-2012 school year and 7th grade for future years 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 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 4,609 of California’s schools with 7th 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 2013-14 7th Grade Pertussis (Tdap) assessment. Of 491,908 students enrolled in 2013-14 the 4,609 schools that reported, 491,908 (96.6%) completed the pertussis immunization (Tdap) requirement. There were 943 (0.19%) students with permanent medical exemptions (PMEs) 16,013 (3.26%) students with personal belief exemption (PBEs) during 2013-14. The percent of students that completed pertussis immunization (Tdap) decreased by about a half percent each year for the past three years (Figure 1). A slightly higher percentage of students in public schools completed the pertussis immunization (Tdap) requirement compared with private schools this year (Table 1) and for the past three years (Figure 1), with the gap widening each year. Students with PBEs increased by a half percentage each year over the past three years and at a faster rate over the past three years compared with students with PMEs (Figure 2). The percentage of students with PBEs in both public and private schools has increased at a similar rate over the past three years. The percentage of students with a PBE in public schools has remained consistently 2.6% to 2.7% lower than students in private schools. The percentage of students with PMEs has increased by .03% each year for the past three years (Figure 3). The percentage of students with PMEs in private schools has increased at a much faster rate compared with public schools over the past three years (Figure 3).

Table 1: 7th Grade Immunization Assessment By School Type, 2013-2014 School Year

| | All Schools | Public | Private |
|-------------------------------------|-------------|---------|---------|
| Number of Schools | 4,609 | 2,820 | 1,789 |
| Number of Students | 491,908 | 455,172 | 36,736 |
| Completed Tdap* | 96.6% | 96.8% | 93.8% |
| Permanent Medical Exemptions (PMEs) | 0.19% | 0.16% | 0.53% |
| Personal Belief Exemptions (PBEs) | 3.26% | 3.06% | 5.71% |

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

Figure 1: Percentage of California 7th Graders Completing the Pertussis Booster 2011-12 to 2013-14 School Years

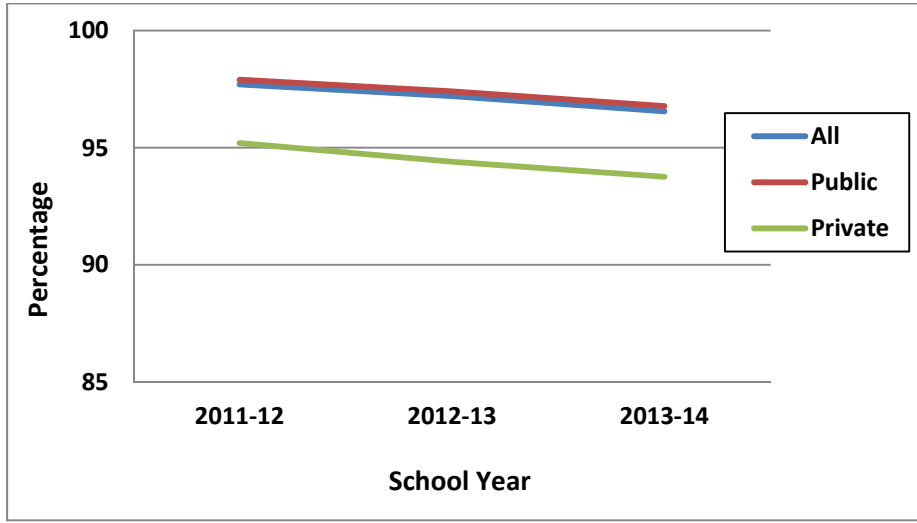


Figure 2: Percentage of California 7th Graders with a PME or PBE, 2011-12 to 2013-14 School Years

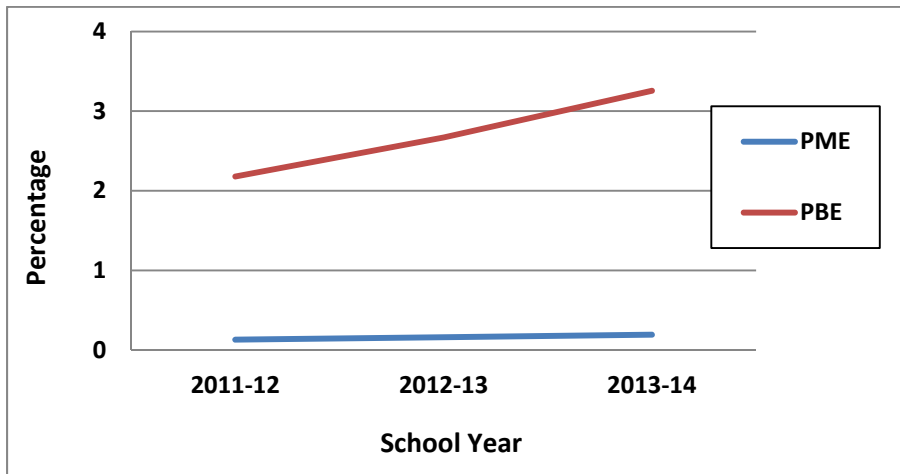
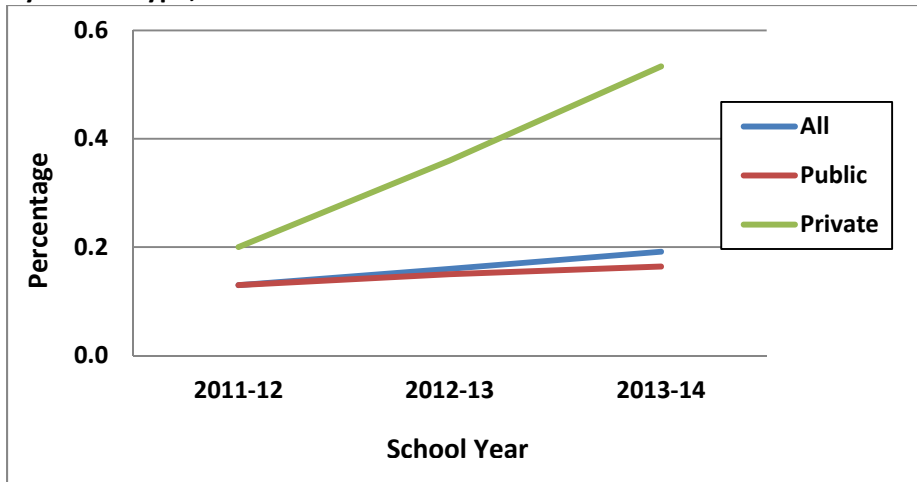
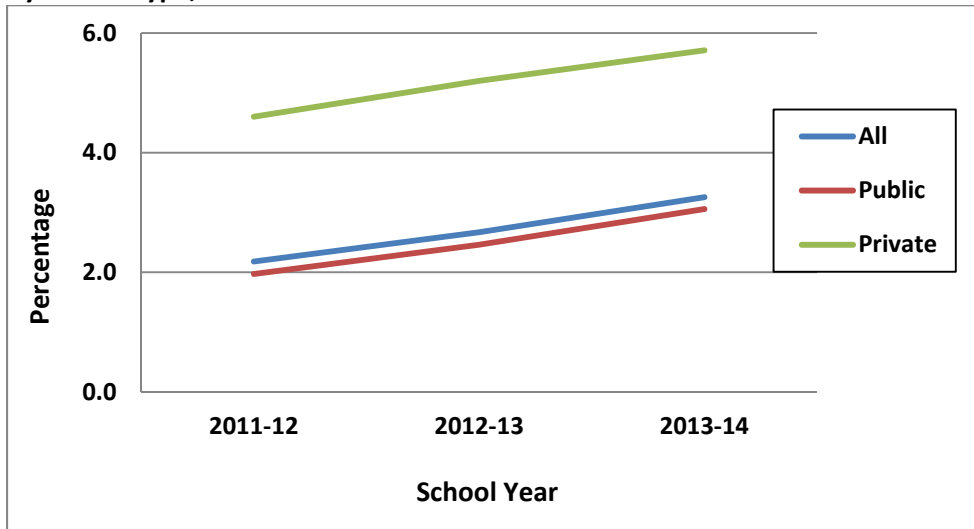


Figure 3: Percentage of California 7th Graders with a PME By School Type, 2011-12 to 2013-14 School Years



**Figure 4: Percentage of California 7th Graders with a PBE
By School Type, 2011-12 to 2013-14 School Years**



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 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.

7TH GRADE ASSESSMENT - CALIFORNIA, 2013-2014
 TABLE 2: TOTAL ENROLLMENT AND ADMISSION STATUS
 BY COUNTY

| | TOTAL STUDENTS | ENTRANTS WITH TDAP COMPLETED | | ENTRANTS WITH PME | | ENTRANTS WITH PBE | |
|--------------|----------------|------------------------------|---------|-------------------|---------|-------------------|---------|
| | NUMBER | NUMBER | PERCENT | NUMBER | PERCENT | NUMBER | PERCENT |
| STATE TOTAL | 491,908 | 474,952 | 96.55% | 943 | 0.19% | 16,013 | 3.26% |
| COUNTY | | | | | | | |
| ALAMEDA | 16,935 | 16,563 | 97.80% | 33 | 0.19% | 339 | 2.00% |
| ALPINE | 6 | 6 | 100.00% | 0 | 0.00% | 0 | 0.00% |
| AMADOR | 289 | 265 | 91.70% | 1 | 0.35% | 23 | 7.96% |
| BUTTE | 2,545 | 2,332 | 91.63% | 11 | 0.43% | 202 | 7.94% |
| CALAVERAS | 455 | 411 | 90.33% | 1 | 0.22% | 43 | 9.45% |
| COLUSA | 362 | 358 | 98.90% | 0 | 0.00% | 4 | 1.10% |
| CONTRA COSTA | 14,253 | 13,944 | 97.83% | 20 | 0.14% | 289 | 2.03% |
| DEL NORTE | 291 | 258 | 88.66% | 9 | 3.09% | 24 | 8.25% |
| EL DORADO | 2,213 | 2,031 | 91.78% | 2 | 0.09% | 180 | 8.13% |
| FRESNO | 14,445 | 14,058 | 97.32% | 36 | 0.25% | 351 | 2.43% |
| GLENN | 454 | 443 | 97.58% | 0 | 0.00% | 11 | 2.42% |
| HUMBOLDT | 1,365 | 1,185 | 86.81% | 4 | 0.29% | 176 | 12.89% |
| IMPERIAL | 2,989 | 2,962 | 99.10% | 3 | 0.10% | 24 | 0.80% |
| INYO | 192 | 183 | 95.31% | 0 | 0.00% | 9 | 4.69% |
| KERN | 13,772 | 13,289 | 96.49% | 82 | 0.60% | 401 | 2.91% |
| KINGS | 2,157 | 2,129 | 98.70% | 2 | 0.09% | 26 | 1.21% |
| LAKE | 688 | 632 | 91.86% | 0 | 0.00% | 56 | 8.14% |
| LASSEN | 344 | 286 | 83.14% | 0 | 0.00% | 58 | 16.86% |
| LOS ANGELES | 118,349 | 115,270 | 97.40% | 226 | 0.19% | 2,853 | 2.41% |
| MADERA | 2,381 | 2,287 | 96.05% | 6 | 0.25% | 88 | 3.70% |
| MARIN | 2,946 | 2,817 | 95.62% | 3 | 0.10% | 126 | 4.28% |
| MARIPOSA | 149 | 118 | 79.19% | 1 | 0.67% | 30 | 20.13% |
| MENDOCINO | 1,013 | 849 | 83.81% | 4 | 0.39% | 160 | 15.79% |
| MERCED | 3,731 | 3,685 | 98.77% | 7 | 0.19% | 39 | 1.05% |
| MODOC | 78 | 67 | 85.90% | 2 | 2.56% | 9 | 11.54% |
| MONO | 148 | 143 | 96.62% | 0 | 0.00% | 5 | 3.38% |
| MONTEREY | 6,190 | 6,091 | 98.40% | 9 | 0.15% | 90 | 1.45% |
| NAPA | 1,756 | 1,695 | 96.53% | 2 | 0.11% | 59 | 3.36% |
| NEVADA | 881 | 695 | 78.89% | 0 | 0.00% | 186 | 21.11% |

7TH GRADE ASSESSMENT - CALIFORNIA, 2013-2014
 TABLE 2: TOTAL ENROLLMENT AND ADMISSION STATUS
 BY COUNTY

| | TOTAL STUDENTS | ENTRANTS WITH TDAP COMPLETED | | ENTRANTS WITH PME | | ENTRANTS WITH PBE | |
|-----------------|----------------|------------------------------|---------|-------------------|---------|-------------------|---------|
| | NUMBER | NUMBER | PERCENT | NUMBER | PERCENT | NUMBER | PERCENT |
| STATE TOTAL | 491,908 | 474,952 | 96.55% | 943 | 0.19% | 16,013 | 3.26% |
| COUNTY | | | | | | | |
| ORANGE | 42,773 | 41,344 | 96.66% | 67 | 0.16% | 1,362 | 3.18% |
| PLACER | 5,533 | 5,134 | 92.79% | 7 | 0.13% | 392 | 7.08% |
| PLUMAS | 107 | 92 | 85.98% | 0 | 0.00% | 15 | 14.02% |
| RIVERSIDE | 34,055 | 32,861 | 96.49% | 34 | 0.10% | 1,160 | 3.41% |
| SACRAMENTO | 17,090 | 16,219 | 94.90% | 31 | 0.18% | 840 | 4.92% |
| SAN BENITO | 941 | 916 | 97.34% | 3 | 0.32% | 22 | 2.34% |
| SAN BERNARDINO | 31,516 | 30,264 | 96.03% | 32 | 0.10% | 1,220 | 3.87% |
| SAN DIEGO | 39,260 | 37,843 | 96.39% | 49 | 0.12% | 1,368 | 3.48% |
| SAN FRANCISCO | 7,126 | 6,927 | 97.21% | 134 | 1.88% | 65 | 0.91% |
| SAN JOAQUIN | 11,291 | 11,067 | 98.02% | 8 | 0.07% | 216 | 1.91% |
| SAN LUIS OBISPO | 2,475 | 2,244 | 90.67% | 3 | 0.12% | 228 | 9.21% |
| SAN MATEO | 8,683 | 8,520 | 98.12% | 18 | 0.21% | 145 | 1.67% |
| SANTA BARBARA | 5,214 | 5,048 | 96.82% | 8 | 0.15% | 158 | 3.03% |
| SANTA CLARA | 23,956 | 23,634 | 98.66% | 28 | 0.12% | 294 | 1.23% |
| SANTA CRUZ | 3,249 | 2,992 | 92.09% | 4 | 0.12% | 253 | 7.79% |
| SHASTA | 2,191 | 1,969 | 89.87% | 3 | 0.14% | 219 | 10.00% |
| SIERRA | 25 | 25 | 100.00% | 0 | 0.00% | 0 | 0.00% |
| SISKIYOU | 433 | 373 | 86.14% | 1 | 0.23% | 59 | 13.63% |
| SOLANO | 4,985 | 4,898 | 98.25% | 4 | 0.08% | 83 | 1.66% |
| SONOMA | 5,718 | 5,387 | 94.21% | 6 | 0.10% | 325 | 5.68% |
| STANISLAUS | 8,269 | 7,535 | 91.12% | 10 | 0.12% | 724 | 8.76% |
| SUTTER | 1,649 | 1,517 | 92.00% | 2 | 0.12% | 130 | 7.88% |
| TEHAMA | 774 | 706 | 91.21% | 0 | 0.00% | 68 | 8.79% |
| TRINITY | 108 | 89 | 82.41% | 1 | 0.93% | 18 | 16.67% |
| TULARE | 7,940 | 7,778 | 97.96% | 9 | 0.11% | 153 | 1.93% |
| TUOLUMNE | 448 | 376 | 83.93% | 0 | 0.00% | 72 | 16.07% |
| VENTURA | 11,377 | 10,924 | 96.02% | 15 | 0.13% | 438 | 3.85% |
| YOLO | 2,373 | 2,281 | 96.12% | 2 | 0.08% | 90 | 3.79% |
| YUBA | 972 | 937 | 96.40% | 0 | 0.00% | 35 | 3.60% |