

2003 Selective Review Results

The annual Selective Reviews conducted each spring provide information on schools' compliance with School Immunization Law. This year, a sample of 2-5% of California's schools were randomly selected: 215 kindergartens and 191 seventh grades. In general, results of the 2003 Selective Reviews indicate that schools are complying with School Immunization Law. Immunization rates are 90% or higher for individual antigens, with the exception of Hepatitis B among seventh grade students (89.0%, table 4). Congratulations to local health departments and school staffs for all of the effort they have put into enforcing the school entry immunization requirements and for conducting the Selective Reviews.

Kindergarten Selective Review: The results of the Selective Review in the kindergartens are consistent with the high coverage levels reported in the fall assessments (tables 1-3). Overall, 92.4% of children met all immunization requirements for entry into kindergarten¹ in the fall, and 93.4% of children assessed in the spring met all requirements. In public schools, the percent of students meeting all requirements increased and percent of students needing follow-up decreased (table 2). The opposite pattern was noted for private schools, with percent of students meeting all requirements decreasing and percent needing follow-up increasing (table 3). This is consistent with the trend in previous years, and may indicate a need for some additional support and training for private school staffs in evaluating immunization records.

Seventh Grade Selective Review: The percent of seventh grade students meeting immunization requirements for entry into seventh grade² increased from 74.1% in the fall to 86.7% in the spring (table 4). The hepatitis B vaccine series completion rate increased 13.4% between the fall and spring (table 4); this figure is similar to last year when the completion rate for the hepatitis B vaccine series increased by 11.7%. This year, hepatitis B coverage rates in the public schools increased from 75.0% in the fall to

¹ 4 DTP/DTaP, 3 Polio, 1 MMR, 3 Hep B, 1 Varicella

² Completion of hepatitis B vaccine series and 2 doses of measles-containing vaccine

89.8% in the spring (table 5) and in the private schools rates increased from 81.0% in the fall to 84.7% in the spring (table 6). In the public school 7th grades, percent of students meeting all requirements increased 14.4% and percent of students needing follow-up decreased 15.2% (table 5). In private schools, compliance rates increased by 0.9% and need for follow-up decreased by 1.5% (table 6).

Personal Belief Exemptions: It has been observed that personal belief exemption (PBE) rates increase each year between the fall assessments and the spring Selective Reviews. This year, a pilot study of PBE immunization records was conducted in several counties to examine this occurrence. Results of this pilot study will be available later this year.

Conclusion: Maintaining high compliance with school immunization laws in child care centers, kindergartens and seventh grades involves a thorough understanding of the school law and diligence with follow-up by school staff. Selective Review provides an opportunity to emphasize follow-up activities and to educate school staff on the immunization law. We believe that the main reason for the increase in school immunization rates is the time and effort that local health departments and schools have devoted to follow-up and parent education. Continued efforts will ensure continual compliance with the school immunization requirements and the attainment of a statewide hepatitis B completion rate above 90%.

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TABLE 1: 2003 SELECTIVE REVIEW: ALL KINDERGARTENS

<u>ALL KINDERGARTENS</u> N = 215	<u>Fall 2002</u> (at Kind'g. Ass'mt)	<u>Spring 2003</u> (at Sel. Review)
Enrollment	13,059	13,041
UTD for DTP (4+)	94.7%	96.4%
Polio (3+)	95.4%	96.9%
MMR(1+)	97.5%	98.0%
MMR(2+)	96.3%	96.4%
Hep B (3+)	96.3%	97.4%
Varicella (1+)	96.7%	97.5%
Meet All Requirements ¹	92.4%	93.4%
Need Follow-Up	6.5%	5.3%
PME	0.1%	0.1%
PBE	1.0%	1.2%

TABLE 2: 2003 SELECTIVE REVIEW: PUBLIC KINDERGARTENS

<u>PUBLIC</u> N = 138	<u>Fall 2002</u> (at Kind'g. Ass'mt)	<u>Spring 2003</u> (at Sel. Review)
Enrollment	11,528	11,526
UTD for DTP (4+)	94.8%	97.2%
Polio (3+)	95.4%	97.6%
MMR(1+)	97.5%	98.2%
MMR(2+)	96.5%	97.2%
Hep B (3+)	96.2%	97.6%
Varicella (1+)	96.7%	97.9%
Meet All Requirements ¹	92.4%	94.6%
Need Follow-Up	6.6%	4.2%
PME	0.1%	0.1%
PBE	0.9%	1.2%

TABLE 3: 2003 SELECTIVE REVIEW: PRIVATE KINDERGARTENS

<u>PRIVATE</u> N = 77	<u>Fall 2002</u> (at Kind'g. Ass'mt)	<u>Spring 2003</u> (at Sel. Review)
Enrollment	1,531	1,515
UTD for DTP (4+)	94.4%	90.6%
Polio (3+)	94.8%	91.8%
MMR(1+)	97.3%	96.6%
MMR(2+)	94.4%	90.2%
Hep B (3+)	97.1%	95.8%
Varicella (1+)	96.5%	94.7%
Meet All Requirements ¹	92.6%	85.0%
Need Follow-Up	5.8%	13.5%
PME	0.1%	0.4%
PBE	1.4%	1.2%

¹ 4 DTP/DTaP, 3 Polio, 1 MMR, 3 Hep B, 1 Varicella

TABLE 4: 2003 SELECTIVE REVIEW: ALL SEVENTH GRADES

<u>ALL SEVENTH GRADES</u> N = 191	<u>Fall 2002</u> (at 7th Grade Ass'mt)	<u>Spring 2003</u> (at Sel. Review)
Enrollment	26,019	25,326
Records Reviewed in Spring		14,529
UTD for Hep B	75.6%	89.0%
MCV ²	94.8%	94.3%
Meet All Requirements ³	74.1%	86.7%
Need Follow-Up	24.5%	11.0%
PME	0.1%	0.1%
PBE	1.4%	2.2%

TABLE 5: 2003 SELECTIVE REVIEW: PUBLIC SEVENTH GRADES

<u>PUBLIC</u> N = 95	<u>Fall 2002</u> (at 7th Grade Ass'mt)	<u>Spring 2003</u> (at Sel. Review)
Enrollment	23,557	22,866
Records Reviewed in Spring		12,089
UTD for Hep B	75.0%	89.8%
MCV ²	95.0%	95.4%
Meet All Requirements ³	73.5%	87.9%
Need Follow-Up	25.2%	10.0%
PME	0.1%	0.1%
PBE	1.2%	1.9%

TABLE 6: 2003 SELECTIVE REVIEW: PRIVATE SEVENTH GRADES

<u>PRIVATE</u> N = 96	<u>Fall 2002</u> (at 7th Grade Ass'mt)	<u>Spring 2003</u> (at Sel. Review)
Enrollment	2,462	2,460
Records Reviewed in Spring		2,440
UTD for Hep B	81.0%	84.7%
MCV ²	93.2%	89.0%
Meet All Requirements ³	80.0%	80.9%
Need Follow-Up	17.1%	15.6%
PME	0.1%	0.2%
PBE	2.8%	3.4%

² Measles-containing vaccine³ Completion of hepatitis B vaccine series and 2 doses of measles-containing vaccine