

## 2002 Selective Review Results

The annual Selective Reviews conducted each spring provide information on compliance with the School Immunization Law. This year, a sample of 2-5% of California's schools and child care centers were randomly selected; 180 child care centers, 212 kindergartens and 192 seventh grades. In general, results of the 2002 Selective Reviews indicate that schools and child care centers are complying with School Immunization Law. Immunization rates are 90% or higher for all antigens, except for hepatitis B in seventh grade which was 86.7%. 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.

**Child Care Center Selective Review:** Selective review of child care centers is conducted biennially. The high coverage rates observed in the 2002 Selective Review of child care centers were similar to the high coverage rates reported in the fall assessment (tables 1-4). Overall, 87.7% children met all immunization requirements for entry into child care<sup>1</sup> in the fall compared with 85.6% in the spring. The percent of children meeting all immunization requirements for entry into child care varied by school type and ranged from 94.7% of children in Head Start programs (table 2); to 83.0% of children in public child care centers (table 3); to 87.1% in private child care centers (table 4).

**Kindergarten Selective Review:** The results of the Selective Review in the kindergartens corroborated the high coverage levels reported in the fall assessments (tables 5 -7). Overall, 93.1% of children met all immunization requirements for entry into kindergarten<sup>2</sup> in the fall, compared with 92.0% in the spring. While the percent of students in public schools meeting all requirements and/or needing follow-up did not change between the fall and the spring (table 7), the percent of children in private schools meeting all requirements in the spring decreased by 9.6% and the percent needing follow-up increased by 9.0%

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<sup>1</sup> 4 DTP/DTaP, 3 Polio, 3 Hep B, 1 MMR, 1 Hib, 1 Varicella

<sup>2</sup> 4 DTP/DTaP, 3 Polio, 3 Hep B, 1 MMR, 1 Varicella

(table 6). These differences between the fall and spring are higher than those observed last year.

**Seventh Grade Selective Review:** The percent of seventh grade students meeting immunization requirements for entry into seventh grade<sup>3</sup> increased from 70.0% in the fall to 82.3% in the spring (tables 8-10). The hepatitis B vaccine series completion rate increased 11%, from 75.1% in the fall to 86.7% in the spring. Last year, the completion rate for the hepatitis B vaccine series increased 18.2% from 73.2% in the fall to 91.4% in the spring. This year, hepatitis B coverage rates in the public schools increased from 74.4% in the fall to 86.7% in the spring (table 10) and in the private schools rates increased from 80.9% in the fall to 86.7% in the spring. Personal belief exemption (PBE) rates increased between the fall and the spring, especially in private schools where it increased from 2.1% to 4.4% (Table 9).

**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. Although the percentage increases seem large, they only represent small numbers of students in the selected schools. Further studies are needed to understand the cause of this apparent increase in PBEs between the fall and the spring.

**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

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<sup>3</sup> Completion of hepatitis B vaccine series and 2 doses of MMR

requirements and the attainment of a statewide hepatitis B completion rate above 90%.

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TABLE 1: 2002 SELECTIVE REVIEW: ALL CHILD CARE CENTERS

<b><u>ALL CHILD CARE CNTRS</u></b> N = 180	<b><u>Fall 2001</u></b> (at CCC. Ass'mt)	<b><u>Spring 2002</u></b> (at Sel. Review)
Enrollment	9,739	10,430
UTD for Polio	96.9%	96.1%
DTP	95.7%	95.1%
MMR	96.5%	95.9%
Hib	95.5%	94.8%
Hep B	96.2%	95.4%
Varicella	91.3%	92.5%
Meet All Requirements	87.7%	85.6%
Need Follow-Up	10.4%	12.5%
PME	0.4%	0.2%
PBE	1.5%	1.7%

TABLE 2: 2002 SELECTIVE REVIEW: HEADSTART CHILD CARE CENTERS

<b><u>HEAD START CNTRS</u></b> N = 29	<b><u>Fall 2001</u></b> (at CCC. Ass'mt)	<b><u>Spring 2002</u></b> (at Sel. Review)
Enrollment	1,485	1,560
UTD for Polio	99.1%	98.7%
DTP	98.4%	98.1%
MMR	99.5%	98.2%
Hib	99.0%	97.8%
Hep B	98.3%	98.3%
Varicella	98.0%	98.3%
Meet All Requirements	95.2%	94.7%
Need Follow-Up	4.4%	5.1%
PME	0.4%	0.1%
PBE	0.0%	0.1%

TABLE 3: 2002 SELECTIVE REVIEW: PUBLIC CHILD CARE CENTERS

<b><u>PRIVATE</u></b> N = 113	<b><u>Fall 2001</u></b> (at CCC. Ass'mt)	<b><u>Spring 2002</u></b> (at Sel. Review)
Enrollment	6,511	6,835
UTD for Polio	96.1%	95.0%
DTP	94.8%	94.1%
MMR	95.3%	95.0%
Hib	94.3%	94.0%
Hep B	95.5%	94.7%
Varicella	89.4%	90.7%
Meet All Requirements	85.5%	83.0%
Need Follow-Up	12.1%	14.8%
PME	0.5%	0.2%
PBE	1.9%	2.0%

TABLE 4: 2002 SELECTIVE REVIEW: PRIVATE CHILD CARE CENTERS

<b><u>PUBLIC</u></b> N = 38	<b><u>Fall 2001</u></b> (at CCC. Ass'mt)	<b><u>Spring 2002</u></b> (at Sel. Review)
Enrollment	1,743	2,035
UTD for Polio	98.2%	97.6%
DTP	96.7%	96.2%
MMR	98.3%	97.3%
Hib	97.0%	94.8%
Hep B	96.8%	95.7%
Varicella	92.9%	94.3%
Meet All Requirements	88.9%	87.1%
Need Follow-Up	9.2%	10.6%
PME	0.4%	0.3%
PBE	1.5%	2.0%

TABLE 5: 2002 SELECTIVE REVIEW: ALL KINDERGARTENS

<b><u>ALL KINDERGARTENS</u></b> N = 212	<b><u>Fall 2001</u></b> (at Kind'g. Ass'mt)	<b><u>Spring 2002</u></b> (at Sel. Review)
Enrollment	12,612	12,476
UTD for Polio	98.2%	98.6%
DTP	97.9%	98.1%
MMR1	99.7%	99.1%
MMR2	97.8%	98.0%
Hep B	98.3%	98.6%
Varicella	97.8%	97.1%
Meet All Requirements	93.1%	92.0%
Need Follow-Up	5.9%	6.6%
PME	0.1%	0.2%
PBE	0.9%	1.2%

TABLE 6: 2002 SELECTIVE REVIEW: PRIVATE KINDERGARTENS

<b><u>PRIVATE</u></b> N = 79	<b><u>Fall 2001</u></b> (at Kind'g. Ass'mt)	<b><u>Spring 2002</u></b> (at Sel. Review)
Enrollment	1,365	1,252
UTD for Polio	97.5%	93.9%
DTP	97.2%	92.7%
MMR1	99.3%	98.5%
MMR2	96.5%	91.2%
Hep B	98.9%	96.6%
Varicella	96.2%	93.8%
Meet All Requirements	91.9%	82.3%
Need Follow-Up	6.5%	15.5%
PME	0.1%	0.1%
PBE	1.5%	2.1%

TABLE 7: 2002 SELECTIVE REVIEW: PUBLIC KINDERGARTENS

<b><u>PUBLIC</u></b> N = 133	<b><u>Fall 2001</u></b> (at Kind'g. Ass'mt)	<b><u>Spring 2002</u></b> (at Sel. Review)
Enrollment	11,247	11,142
UTD for Polio	98.3%	99.1%
DTP	98.0%	98.7%
MMR1	99.8%	99.1%
MMR2	98.0%	98.8%
Hep B	98.2%	98.8%
Varicella	98.0%	97.5%
Meet All Requirements	93.2%	93.1%
Need Follow-Up	5.8%	5.6%
PME	0.1%	0.2%
PBE	0.9%	1.1%

TABLE 8: 2002 SELECTIVE REVIEW: ALL SEVENTH GRADES

<b><u>ALL SEVENTH GRADES</u></b> N = 192	<b><u>Fall 2001</u></b> (at 7th Grade Ass'mt)	<b><u>Spring 2002</u></b> (at Sel. Review)
Enrollment	22,636	22,001
UTD for Hep B	75.1%	86.7%
MMR2	94.1%	93.7%
Meet All Requirements	70.0%	82.3%
Need Follow-Up	28.5%	15.1%
PME	0.2%	0.3%
PBE	1.3%	2.3%

TABLE 9: 2002 SELECTIVE REVIEW: PRIVATE SEVENTH GRADES

<b><u>PRIVATE</u></b> N = 97	<b><u>Fall 2001</u></b> (at 7th Grade Ass'mt)	<b><u>Spring 2002</u></b> (at Sel. Review)
Enrollment	2,246	22,306
UTD for Hep B	80.9%	86.7%
MMR2	94.6%	92.0%
Meet All Requirements	77.4%	80.0%
Need Follow-Up	20.3%	14.9%
PME	0.3%	0.7%
PBE	2.1%	4.4%

TABLE 10: 2002 SELECTIVE REVIEW: PUBLIC SEVENTH GRADES

<b><u>PUBLIC</u></b> N = 95	<b><u>Fall 2001</u></b> (at 7th Grade Ass'mt)	<b><u>Spring 2002</u></b> (at Sel. Review)
Enrollment	20,390	19,695
UTD for Hep B	74.4%	86.7%
MMR2	94.0%	94.0%
Meet All Requirements	69.1%	82.6%
Need Follow-Up	29.4%	15.2%
PME	0.2%	0.2%
PBE	1.3%	2.0%