

2012-2013 SELECTIVE REVIEW RESULTS
CALIFORNIA DEPARTMENT OF HEALTH SERVICES, IMMUNIZATION BRANCH

Introduction

The annual selective review conducted each spring provides information on compliance with the California School Immunization Law. The purpose of this review is to evaluate the enforcement of the immunization requirements and the follow-up of enrollees who have not received all required immunizations. This report presents results from this year's selective review and the attached table present comparisons of immunization coverage among the selected child care centers.

Methods and Participants

This year's selective review was conducted in a sample of approximately 3% of California's child care centers. Local health department staff visited 282 child care centers. During the site visits a short interview was conducted with child care providers. In addition, a complete review of student immunization records was performed. Data were analyzed by comparing immunization coverage rates reported by centers during the fall and those reported by local health departments during the spring.

Results and Discussion

Overall, results of the 2012-2013 selective review indicate that child care centers are in compliance with the California School Immunization Law. $92.2\% \pm 1.2\%$ of child care enrollees had received all the required immunizations. Taking into account confidence intervals, coverage for each required vaccine was above 95% for all facilities, above 98% for public facilities, 94% for private facilities, and 99% for Head Start facilities. Compared to the fall assessment, taking into account confidence intervals, the percentage with all required vaccines, exemptions and conditional entrants remained similar for each facility type.

The percentage of children with all required immunizations measured during this year's spring selective review ($92.2 \pm 1.2\%$) was similar to that measured during the fall assessment ($90.8 \pm 1.6\%$). Estimates of immunization coverage in the selected child care centers varied across different types of facilities (public, private, or Head Start). Both Head Start and public facilities appear to have a higher percentage of enrollees with all required immunizations compared with private facilities.

Conclusion

Maintaining compliance with the California School Immunization Law is labor intensive and requires child care providers to have a thorough understanding of the immunization requirements. Selective review provides an opportunity to emphasize the importance of following up on enrollees who are missing required immunizations. Similar estimates of coverage measured in the spring could be an indication that follow-up is not occurring or that there may be a great deal of student movement with continuing enrollment of students with conditional entry throughout the school year. Overall, the results indicate that child care centers are in compliance with the California School Immunization Law.

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SELECTIVE REVIEW
CALIFORNIA, 2012-13

Table 1: Child Care Immunization Coverage, Comparison of Fall 2012 Assessment and Spring 2013 Selective Review

	All Facilities n = 282		Public Facilities n = 62		Private Facilities n = 175		Head Start Facilities n = 45	
	Fall 2012 Assessment	Spring 2013 Selective Review	Fall 2012 Assessment	Spring 2013 Selective Review	Fall 2012 Assessment	Spring 2013 Selective Review	Fall 2012 Assessment	Spring 2013 Selective Review
Total Enrollment	14,057	14,582	2,827	2,872	8,759	9,200	2,471	2,510
All Required Immunizations	90.8% \pm 1.6%	92.2% \pm 1.2%	92.6% \pm 3.0%	96.2% \pm 1.7%	88.3% \pm 2.3%	89.6% \pm 1.9%	97.3% \pm 1.3%	97.5% \pm 1.4%
Conditional Entrants	6.79% \pm 1.43%	4.68% \pm 1.07%	6.01% \pm 2.69%	2.75% \pm 1.50%	8.30% \pm 2.08%	6.10% \pm 1.63%	2.27% \pm 1.26%	1.63% \pm 1.34%
Permanent Medical Exemptions	0.29% \pm 0.25%	0.12% \pm 0.08%	0.11% \pm 0.15%	0.07% \pm 0.14%	0.41% \pm 0.40%	0.17% \pm 0.12%	0.04% \pm 0.08%	0.00% \pm 0.00%
Personal Belief Exemptions	2.17% \pm 0.62%	2.97% \pm 0.69%	1.24% \pm 0.63%	1.01% \pm 0.52%	2.97% \pm 0.96%	4.15% \pm 1.05%	0.40% \pm 0.42%	0.84% \pm 0.64%
DTaP (4+) ¹	94.5% \pm 1.2%	96.7% \pm 0.7%	96.0% \pm 2.4%	98.8% \pm 0.5%	92.9% \pm 1.8%	95.3% \pm 1.1%	98.3% \pm 1.0%	99.3% \pm 0.6%
Polio (3+) ²	96.5% \pm 0.8%	97.0% \pm 0.7%	97.9% \pm 0.9%	99.1% \pm 0.5%	95.2% \pm 1.2%	95.7% \pm 1.0%	99.4% \pm 0.5%	99.6% \pm 0.3%
MMR (1+) ³	96.2% \pm 0.9%	96.9% \pm 0.7%	97.7% \pm 1.1%	99.0% \pm 0.5%	95.0% \pm 1.4%	95.6% \pm 1.1%	99.1% \pm 0.6%	99.3% \pm 0.4%
Hib (1+) ⁴	97.2% \pm 0.7%	95.8% \pm 0.9%	96.9% \pm 1.5%	98.1% \pm 1.1%	96.9% \pm 0.9%	94.4% \pm 1.3%	98.9% \pm 0.7%	98.3% \pm 1.3%
Hep B (3+) ⁵	95.0% \pm 1.0%	96.1% \pm 0.8%	97.7% \pm 1.1%	98.7% \pm 0.6%	93.1% \pm 1.6%	94.5% \pm 1.2%	99.1% \pm 0.6%	99.4% \pm 0.4%
Var (1+) ⁶	95.8% \pm 1.0%	96.4% \pm 0.8%	98.1% \pm 1.1%	98.3% \pm 1.6%	94.2% \pm 1.5%	95.0% \pm 1.2%	98.9% \pm 0.7%	99.4% \pm 0.5%

1. Four or more doses of any diphtheria and tetanus toxoids and pertussis vaccines including diphtheria and tetanus toxoids, and any acellular pertussis vaccine
2. Three or more doses of any poliovirus vaccine
3. One or more doses of measles, mumps, and rubella vaccines, separately or combined on or after the 1st birthday
4. One or more doses of *haemophilus influenzae* type b vaccine vaccine on or after the 1st birthday
5. Three or more doses of hepatitis B vaccine
6. One or more doses of varicella vaccine, adjusted for history of varicella disease