



Vaccination Coverage Levels of 2009 School Year Kindergarten Students: Retrospective Measures from the Texas School Immunization Validation Survey

The purpose of the 2009 Texas School Immunization Validation Survey was to assess the number of kindergarten students that were appropriately vaccinated in accordance with Texas school entry immunization requirements (Title 25 Health Services, Chapter 97, Texas Administrative Code §97.63). The Texas Education Agency reported that there were approximately 369,425 kindergarten students enrolled at approximately 4,500 Texas public schools during the 2009 – 2010 school year. The Texas School Immunization Validation Survey also measures the vaccination coverage levels of the 2009 - 2010 kindergarten population when they were 24 months of age, about three years prior to the survey date.

For the Texas School Immunization Validation Survey, a cluster sampling method was used to select 80 schools with kindergarten students. A random sample of 25 immunization records of kindergarten students was selected from each school. Seventy-eight of the selected Texas public schools with kindergarten students participated in the 2009 Texas School Immunization Validation Survey. From these 78 Texas public schools, immunization records were received for 1,867 kindergarten students enrolled during the 2009 – 2010 school year.

Vaccination coverage levels for kindergarten students when they were 24 months of age were highest for hepatitis A and hepatitis B vaccine and lowest for 4 doses of diphtheria, tetanus, pertussis vaccine. The following table presents Texas statewide vaccination coverage levels retrospectively measured at 24 months of age from the Texas School Immunization Validation Survey.

Vaccination Coverage of Texas Public School Kindergarten Students at 24 Months of Age

Vaccine	% Vaccinated by 24 Months of Age
4 doses Diphtheria, Tetanus, Pertussis Vaccine (DTaP/DTP/DT)	77.10
3 doses Polio Virus Vaccine (OPV or IPV)	89.68
1 dose Measles, Mumps, Rubella Vaccine	90.84
3 doses Hepatitis B Vaccine	91.98
3 doses Hib Vaccine*	90.44
1 dose Varicella Vaccine	87.70
3 doses pneumococcal vaccine	78.23
4:3:1 Series [^]	72.47
4:3:1:3:3 Series ^{^^}	67.80
4:3:1:3:3:1 Series ^{^^^}	65.05

**Haemophilus influenzae* type b vaccine.

[^]4 doses of diphtheria, tetanus, pertussis vaccine; 3 doses of polio virus vaccine; 1 dose of measles, mumps, rubella vaccine
^{^^}4:3:1 series plus 3 doses of Hib vaccine and 3 doses of hepatitis B vaccine.

^{^^^}4:3:1 series plus 3 doses of Hib vaccine, 3 doses of hepatitis B vaccine, and 1 dose of varicella vaccine.



Coverage with Hepatitis A Vaccine at Kindergarten Entry:

At the time of the survey (at kindergarten entry), 99.2% of kindergarten students in Texas had received at least 1 dose of hepatitis A vaccine and 94.8% had completed the 2 dose series. Although hepatitis A vaccine is a school immunization requirement for only 40 Texas counties, it is a requirement for all Texas children attending licensed child care facilities. In 2006, the Advisory Committee on Immunization Practices incorporated hepatitis A vaccine into the Recommended Immunization Schedule for Persons Aged 0 – 6 Years for all children under age 2.

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