



Vaccination Coverage Levels of 2010 School Year Kindergarten Students: Retrospective Measures from the Texas School Immunization Validation Survey

The purpose of the 2010 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 374,178 kindergarten students enrolled at approximately 4,500 Texas public schools during the 2010 – 2011 school year. The Texas School Immunization Validation Survey also measures the vaccination coverage levels of the 2010 - 2011 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 45 schools with kindergarten students. A random sample of 100 immunization records of kindergarten students was selected from each school. Forty-Two of the selected Texas public schools with kindergarten students participated in the 2010 Texas School Immunization Validation Survey. From these 42 Texas public schools, immunization records were received for 3,643 kindergarten students enrolled during the 2010 – 2011 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 3 doses of pneumococcal 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)	75.20
3 doses Polio Virus Vaccine (OPV or IPV)	89.74
1 dose Measles, Mumps, Rubella Vaccine	89.33
3 doses Hepatitis B Vaccine	91.36
3 doses Hib Vaccine*	88.56
1 dose Varicella Vaccine	87.16
3 doses pneumococcal vaccine	66.48
4:3:1:3:3 Series^	67.57
4:3:1:3:3:1 Series^^	65.86
4:3:1:3:3:1:4 Series^^^	55.11

**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; 3 doses of Hib and 3 doses of hepatitis B vaccine

^^4:3:1:3:3 plus 1 dose of varicella vaccine.

^^^4:3:1:3:3 series plus 1 dose of varicella vaccine and 4 doses of pneumococcal vaccine.



Coverage with Hepatitis A Vaccine at Kindergarten Entry:

At the time of the survey (at kindergarten entry), 98.7% of kindergarten students in Texas had received at least 1 dose of hepatitis A vaccine and 95.3% had completed the 2 dose series.