

Results from the 2010 Bosque County Retrospective Immunization School Survey

The Bosque County Retrospective Immunization School Survey is a school-based study that measures vaccination coverage levels of kindergarteners retrospectively at 24 months of age. The survey calculates the percentage of children that completed the 4-3-1-3-3, the 4-3-1-3-3-1 series, and the 4-3-1-3-3-1-4 series by 24 months of age. The 4-3-1-3-3 series is composed of 4 doses of diphtheria-tetanus-pertussis-containing vaccine (DTaP/DTP or DT), 3 doses of polio vaccine, 1 dose of measles-mumps-rubella vaccine (MMR), 3 doses of *Haemophilus influenzae* type b vaccine (Hib), and 3 doses of hepatitis B vaccine (HepB). The 4-3-1-3-3-1 series is composed of the 4-3-1-3-3 series plus 1 dose of varicella vaccine on or after the 1st birthday and unadjusted for varicella disease history. The 4-3-1-3-3-1-4 series is composed of the 4-3-1-3-3-1 series plus 4 or more doses of pneumococcal conjugate vaccine (PCV). The 2010 data in this report reflects the vaccination coverage levels of the 2010-2011 school year kindergarten population when they were 24 months of age (**about 3 years prior to the survey date**). These children were born between 12/19/2003-08/26/2006.

8 of the 10 public kindergarten schools in the county were selected. 217 students were included in the analysis. Bosque County weighted vaccination coverage levels at 24 months of age for all vaccine series and all individual vaccination coverage levels for vaccines routinely recommended for children were as follows:

Vaccine/Vaccine Series	Percent Vaccinated by 24 months of Age
4 DTP/DTaP/DT	75.6
3 Polio	91.2
1 MMR	88.5
3 Hib	90.8
3 Hep B	90.3
1 Var	87.1
3 PCV	83.4
4 PCV	54.8
4:3:1:3:3	69.6
4:3:1:3:3:1	68.2
4:3:1:3:3:1:4	45.2

At the time of the survey, 98.2% of kindergarten students in Bosque County had received 1 dose of hepatitis A vaccine, and 90.8% had completed the 2 dose series.

These data cannot be used to assess current interventions to raise immunization coverage levels. Questions concerning these results or the methodology may be directed to any of the Immunization Branch Epidemiologist listed below:

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