

Results from the 2008 Bowie County Retrospective Immunization School Survey

The Bowie County Retrospective Immunization School Survey is a school-based study that measures vaccination coverage levels of kindergarteners retrospectively at 24 months of age. The percentage of children that completed the 4-3-1 series (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)) by 24 months of age was calculated. Also calculated in the survey were the percentages of children completing 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 the 4:3:1 series plus 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 2008 data in this report reflects the vaccination coverage levels of the 2008-2009 school year kindergarten population when they were 24 months of age (**about 3 years prior to the survey date**). These children were born between 10/25/2000-12/17/2003.

The survey included 19 public kindergarten schools in the county with approximately 55 kindergarten students selected from each school. 854 records were included in the analysis. Bowie County 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	69.4
3 Polio	90.0
1 MMR	86.5
3 Hib	90.1
3 Hep B	93.4
1 Var	81.9
3 PCV	73.5
4 PCV	29.3
4:3:1	66.1
4:3:1:3:3	63.8
4:3:1:3:3:1	59.8
4:3:1:3:3:1:4	23.9

At the time of the survey, 94.0% of kindergarten students in Bowie County had received at least 1 dose of hepatitis A vaccine, and 79.9% 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:

Tony Aragon at (512) 458-7111 ext. 6469 email: Tony.Aragon@dshs.state.tx.us or Kenzi Guerrero at (512) 458-7111 ext. 3949 email: Kenzi.Guerrero@dshs.state.tx.us .