

Results from the 2005 McLennan County Retrospective Immunization School Survey

The McLennan County Retrospective Immunization School Survey is a school-based study that measures vaccination coverage levels of kindergarteners retrospectively at 24 months of age. Children were considered up-to-date on their immunizations if they had 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 the time they turned 24 months of age. Also calculated in the survey were the percentages of children completing the 4-3-1-3-3 series and the 4-3-1-3-3-1 series by 24 months of age. The 4-3-1-3-3 series is composed of 4 doses of DTaP/DTP/DT, 3 doses of polio vaccine, 1 dose of 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. Thus, the 2005 data reflect the vaccination coverage levels of the 2005-2006 school year kindergarten population when they were 24 months of age (**about 3 years prior to the survey date**). These children were born between 09/02/1998-09/01/2000.

The survey included 25 of the 45 schools in the county. The schools were randomly selected from the Texas Education Agency roster. Approximately 40 student records were obtained from each selected school. Dates of birth and the dates of vaccination were obtained and entered into CASA. Nine hundred and fifty-eight records were included in the analysis. The analysis was conducted using SAS and SUDAAN and weighting procedures were used to reflect the kindergarten population. The McLennan County 4-3-1, 4-3-1-3-3, and 4-3-1-3-3-1 vaccination coverage levels at 24 months of age were **70.9%**, **67.0%**, and **61.3%**, respectively. The individual vaccination coverage levels for vaccines routinely recommended for children were as follows:

Vaccine	Percent Vaccinated by 24 months of Age
4 DTP/DTaP/DT	74.7
3 Polio	89.3
1 MMR	89.3
3 Hib	92.1
3 Hep B	87.3
1 Var	81.2

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 Julie Townsend, epidemiologist, at (512) 458-7111 ext. 3949 email: Julie.Townsend@dshs.state.tx.us.