

## Results from the 2006 Williamson County Retrospective Immunization School Survey

The Williamson 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 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 1<sup>st</sup> birthday and unadjusted for varicella disease history. Thus, the 2006 data reflect the vaccination coverage levels of the 2006-2007 school year kindergarten population when they were 24 months of age (**about 3 years prior to the survey date**). These children were born between 10/17/1999 - 09/01/2001.

The survey included 25 of the 57 schools in the county. The schools were randomly selected from the Texas Education Agency roster. Approximately 50 student records were obtained from each selected school. Dates of birth and the dates of vaccination were obtained and entered into CASA. 1,217 records were included in the analysis. The analysis was conducted using SAS statistical software. The Williamson 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 **75.6%**, **70.6%**, and **65.8%**, respectively. The individual vaccination coverage levels for vaccines routinely recommended for children were as follows (including pneumococcal vaccine (PCV)):

Vaccine	Percent Vaccinated by 24 months of Age
4 DTP/DTaP/DT	79.7
3 Polio	90.3
1 MMR	91.1
3 Hib	90.6
3 Hep B	89.5
1 Var	83.9
3 PCV	56.3

At the time of the survey, 77.8% of kindergarten students in Williamson County had received at least 1 dose of hepatitis A vaccine, and 40.4% 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 Tony Aragon, epidemiologist, at (512) 458-7111 ext. 6469 email: [Tony.Aragon@dshs.state.tx.us](mailto:Tony.Aragon@dshs.state.tx.us).