OBJECTIVE

- Assess HBV coverage for children aged 3-17 years in San Diego County.
- Interpret differences in HBV coverage rates in relation to school entry requirements.
BACKGROUND

- Routine infant hepatitis B vaccine (HBV) immunization recommended since 1991
- Routine vaccination of adolescents 1996
- California school entry requirements for HBV
  - Kindergarten or Child Care 1997
  - 7th grade 1999
  - 4 yr state colleges – 2000 (Less than 18 years)

2003 San Diego County RDD Telephone Surveys

Surveys conducted April - June 2003

- **Adult Survey:**
  - 50 years and older (1383)
  - 18-49.9 years (1483)
  - High Risk Adults (469)
  - Other Adults (1014)

- **Expanded Survey:** 3 – 17.9 years (1441)

- **Infant Survey:** 19 – 35.9 months (902)
San Diego County’s Immunization Progress

Healthy People 2000 Goal - 90% 4:3:1

Percent of children fully immunized at age 2 years

Methods Random Digit Dial Survey

- Calls
- Completion and Rate
- Comparison with Census
Calls and Response Rate

- Total Phone numbers 65,616
- No Answer or Voice Mail 38,041 (58%)
- Business, Fax, Disconnects 7,054 (11%)
- Busy or Call Back 5,328 (8%)
- Refused, Lang. Barrier 4297 (7%)
- Completed/(completed + terminated) =
  Response Rate 1455/1455+433 = 77%
Very high levels of coverage (80%+) attained for all kids born after 1993 and those born in 1987, 1988, 1989.

Lowest rates were found for kids born in 1995 & 1996

1990, 1991, 1992 showed somewhat lower levels that birth cohorts before and after.
Limitations

- Response Bias
- Small samples in some years
- Grade and age not uniform
- Some kids enter school from out of state
CONCLUSION & RECOMMENDATION

• The slight decline in HBV coverage in the 1991 to 1993 birth cohorts may be from children who entered school before implementation of the hepatitis B kindergarten/first grade law and who have not yet been affected by the 7th grade law.

• For maximum coverage, the 7th grade school requirement should remain in effect and be enforced by schools during the 2004-05 and 2005-06 school years.