

Vaccine-Preventable Diseases and Immunization Coverage in California | 2001-2006

www.GetImmunizedCA.org | www.cdph.ca.gov



Surveillance, Investigations, Research and Evaluation Section

Center for Infectious Diseases
Division of Communicable Disease Control
Immunization Branch



California Department of Public Health
850 Marina Bay Parkway, Bldg. P, 2nd Floor
Richmond, CA 94804
(510) 620-3737



IMM-886 (2/08)



Vaccine-Preventable Diseases and Immunization Coverage in California | 2001-2006



Arnold Schwarzenegger, Governor
State of California



Kimberly Belshé, Secretary
Health and Human Services Agency

Immunization Branch

Mark B Horton, MD, MSPH, Director
Department of Public Health

Table Of Contents

Introduction

Section 1:

VACCINE-PREVENTABLE DISEASES

Background.....	3
Invasive <i>Haemophilus influenzae</i> (Hib).....	4
Hepatitis A.....	6
Hepatitis B.....	9
Measles.....	14
Meningococcal Disease.....	16
Mumps.....	21
Pertussis.....	24
Rubella and Congenital Rubella Syndrome.....	28
Tetanus.....	30
Varicella.....	33
Other Vaccine-Preventable Diseases.....	37
Summary Tables.....	39

Section 2:

PERINATAL HEPATITIS B PREVENTION PROGRAM

Background.....	53
Identification of HBsAg-Positive Pregnant Women.....	54
Postvaccination Serologic Testing.....	56
Management of Household Contacts.....	57
Birth Hospital Outreach.....	58
Summary Tables.....	59

Section 3:

VACCINATION COVERAGE IN CHILDREN

Background.....	69
Vaccination Coverage Among Toddlers.....	71
Racial/Ethnic Disparities Among Toddlers.....	72
Children in Licensed Childcare Facilities.....	73
Kindergarten Students.....	74
Seventh Grade Students.....	75
Personal Belief Exemptions to Vaccination.....	77
Summary Tables.....	79

Vaccine-Preventable Diseases and Immunization Coverage in California, 2001-2006

Introduction

At the beginning of the 20th century, infectious diseases were widely prevalent in the United States and resulted in significant levels of morbidity, disability and mortality. In California in 1931, 29,748 measles cases were reported and 113 patients died; 9,709 pertussis cases were reported and 146 patients died; 3,421 diphtheria cases were reported and 175 patients died; and 59 tetanus cases were reported and 37 patients died.

By 2006, vaccines for 13 diseases were recommended for use in children. Children are routinely vaccinated against diphtheria, *Haemophilus influenzae* type b (Hib), hepatitis A, hepatitis B, influenza, measles, mumps, pertussis, pneumococcal disease, poliomyelitis, rubella, tetanus, and varicella.

Findings from the 2006 National Immunization Survey (NIS) data indicate that vaccination coverage in California is high and that California has nearly reached the National Healthy People 2010 vaccination coverage objectives for children aged 19 through 35 months for most of the vaccines recommended by the Advisory Committee on Immunization Practices (90 percent for individual antigens; 80 percent for vaccine series).

Between 1996 and 2006, over 28,000 infants born to hepatitis B virus (HBV) infected women in California had received hepatitis B vaccine and hepatitis B immune globulin (HBIG) in the perinatal period preventing HBV infection and its consequences in thousands of children.

The impact of childhood vaccination has been substantial and disease surveillance data indicate that, for most vaccine-preventable diseases (VPDs), the number of reported cases is at or near the lowest levels ever. In 2006, local health departments reported no cases of diphtheria or poliomyelitis and fewer than five cases of measles and rubella.

This report presents VPD surveillance data, perinatal hepatitis B prevention program data, and immunization coverage data in California for 2001 to 2006.

