

Vaccine Preventable Disease Control Program (VPDCP) Nursing Unit

Los Angeles County Department of Public Health



Objectives



By the end of this presentation, participants will know how to:

- Describe the role of the Public Health Nurse (PHN) in the VPDCP
- State the role of vaccinations in the prevention of disease
- Describe the different recommended immunization schedules
- Discuss vaccine recommendations for pregnant women
- Describe the Standards of Adult Immunization Practices









The goal of the VPDCP

 Decrease vaccine – preventable diseases (VPDs) by increasing vaccine rates





1. Professional Education and Training

- Vaccination Schedules (Children and Adults)
- Vaccination of Special Populations
- Health Care Personnel
- School Law Requirements
- Vaccine Administration (i.e. ISI)
- Vaccine Storage and Handling
- Emergency Preparedness





2. Screening VPD Reports reported to VPDC

- Conduct initial screening of measles and mumps reports
- Provide clinical guidance on specimen collection, vaccination, and disease control
- Assess barriers to maternal Tdap vaccination for infant (<12 months of age) pertussis cases





3. Perinatal Hepatitis B Unit

- Consult with prenatal/OB providers, laboratories, delivery hospitals
- Oversee case management activities of all HBsAg + pregnant women, including household/sexual contacts & infants
- Develop education materials for prenatal/pediatric providers and patients
- Develop procedures to enhance case management activities



Prevent Perinatal Transmission



Strategy to Eliminate Hepatitis B Virus Transmission— United States

- Prevent perinatal HBV transmission
 - Routine testing of all pregnant women for HBsAg during each pregnancy
 - HBV DNA testing for all HBsAg+ women
 - Antiviral therapy if DNA is ≥200, 000 IU/mL
 - Prophylaxis (HBIG and Hep B) for infants born to HBsAg+ women
- Universal vaccination of all infants at birth
- Routine vaccination of previously unvaccinated children and adolescents
- Vaccination of adults at high risk





4. Conduct VFC Compliance Visits (Audits)

- Assess immunization practices to ensure providers meet VFC and CDC Guidelines:
 - Storage and handling
 - Vaccine administration
 - Medical record review

5. Consult with schools and parents regarding vaccine requirements for school entry





6. Collaborate w/ Emergency Preparedness Division

- Consult on pandemic flu, anthrax, and smallpox vaccinations
- Participate in emergency exercises to prepare DPH workforce

7. General Consultations

- Travel vaccine recommendations
- Vaccine recommendations
- School vaccine requirements



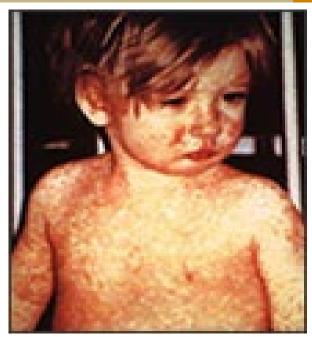
Why are Vaccines Important?



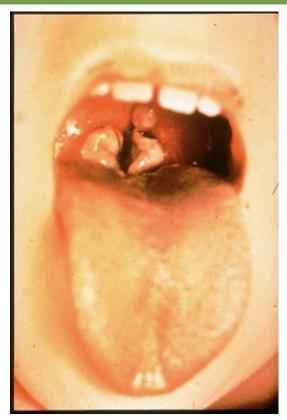
What would happen if we stopped vaccinations?













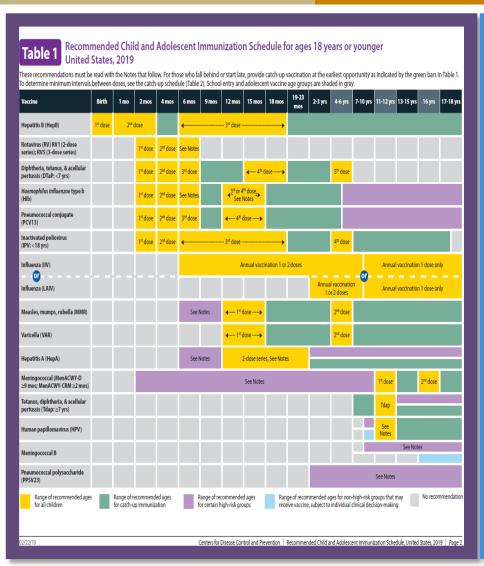


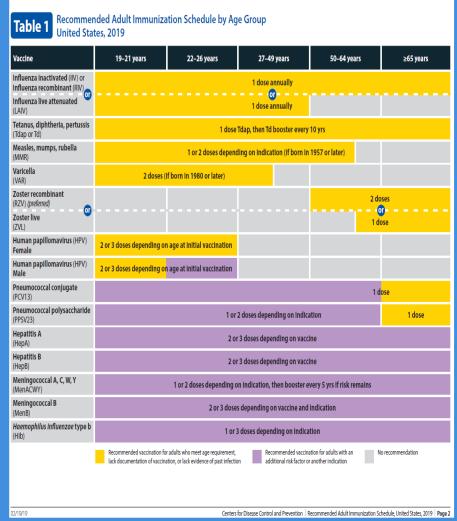




Vaccine Schedule By Age





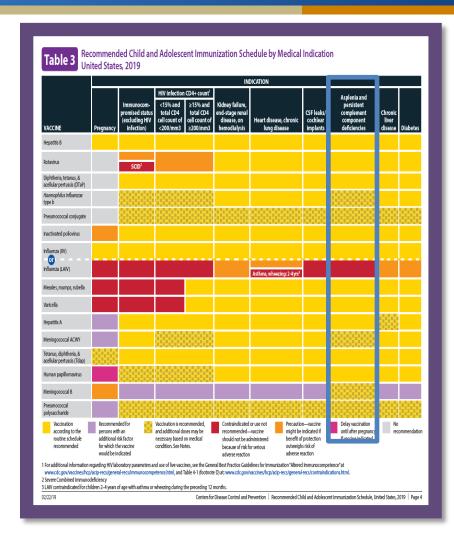


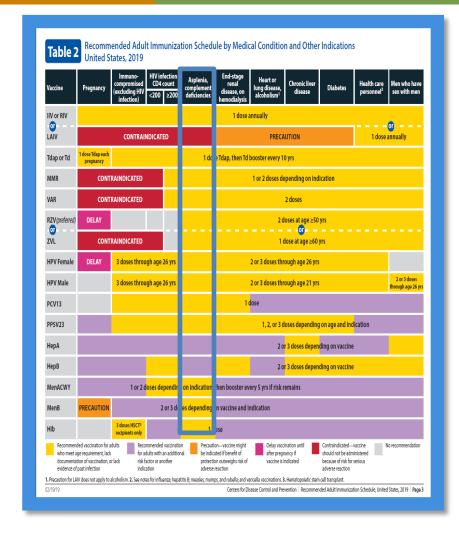


Medical Indications/Condition











Vaccines & Pregnancy



- No evidence exists of risk to the fetus from vaccinating pregnant women
 - Tdap recommended with every pregnancy
- Benefits outweigh the risk
- Live vaccines (i.e. MMR, Chickenpox, LAIV) not recommended
- Vaccines do not interfere with breast feeding

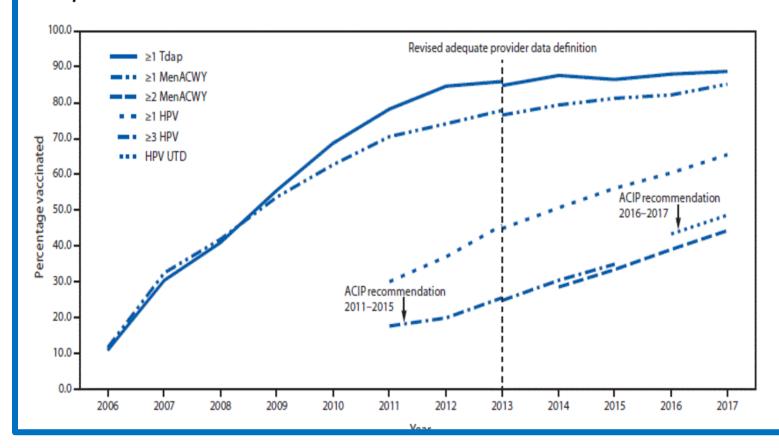


Adolescent Immunization Coverage Levels





FIGURE. Estimated coverage with selected vaccines and doses* among adolescents aged 13–17 years, by survey year and ACIP recommendations[†] — National Immunization Survey-Teen, United States, 2006 –2017[§]





Why Adult Vaccines Are Important



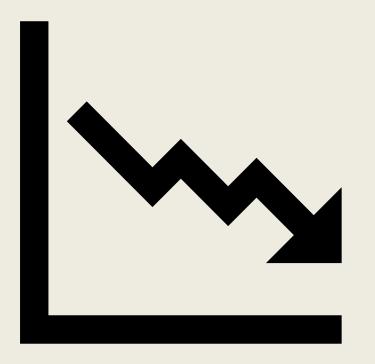
- Adults may become seriously ill and be hospitalized because of VPDs
- Immunizations help protect adults from unnecessary suffering caused by VPDs
- Immunity from some vaccines may wane over time
- Risk for VPDs due to job, lifestyle, travel, or health conditions



Adult Vaccination Rates



- Adult vaccination rates are extremely low.
- Most adults are NOT aware that they need vaccines
- Missed opportunities to vaccinate
- Recommendation from their healthcare professional is the strongest predictor of whether patients get vaccinated





Travel Vaccine Recommendations







Key Points



- Vaccine are the most safe and effective way to prevent disease
- Screen all patients for immunization status during every encounter
- Give a strong recommendation for vaccines
- Vaccines protect both mother and baby before, during and after pregnancy
- Adult need vaccines too!







Immunization Resources



Immunization Resources



- Vaccine Preventable Disease Control Program www.publichealth.lacounty.gov/ip/
- California Department of Public Health Immunization Branch https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/immunize.aspx
- CDC www.cdc.gov/vaccines/
- Shots for School https://www.shotsforschool.org/
- Epidemiology & Prevention of VPDs "Pink Book" www.cdc.gov/vaccines/pubs/pinkbook/genrec.html
- EZIZ www.eziz.org
- Immunize Action Coalition <u>www.immunize.org/</u>



THANK YOU!

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