

Immunization Program Nursing Unit

Los Angeles County Department of Public Health

Objectives



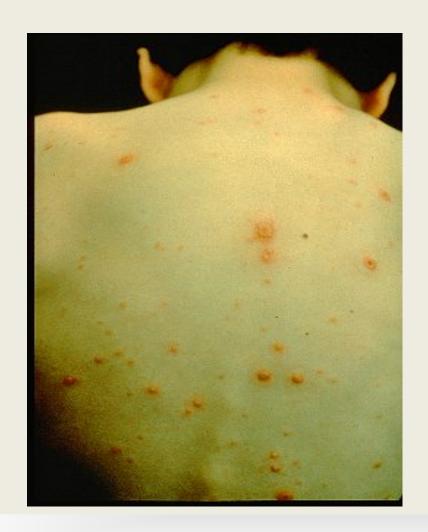
- State the role of vaccinations in the prevention of disease.
- Describe the different recommended immunization schedules.
- Describe the role of the PHN in the Immunization Program.

The Importance of Vaccines



What would happen if we stopped vaccinations?









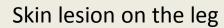








Thick gray coating on the back of the throat

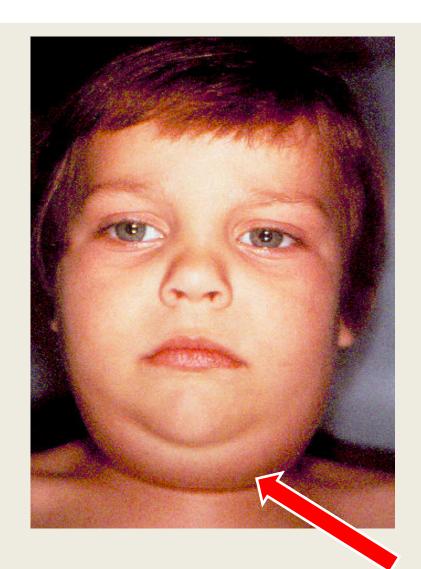


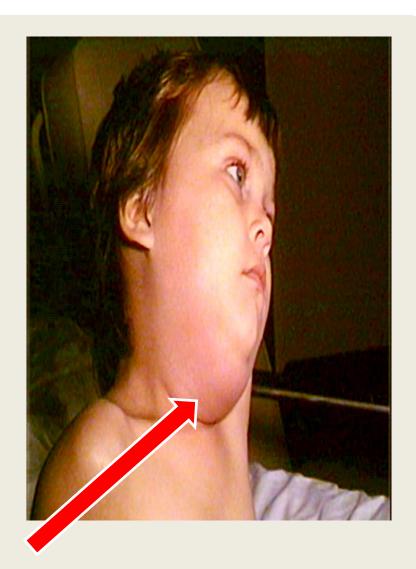




Skin lesion on neck

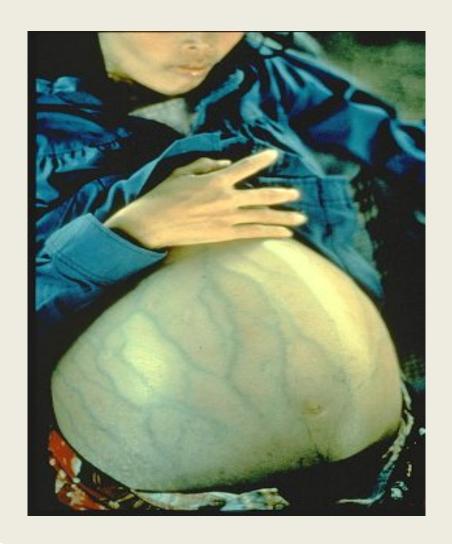


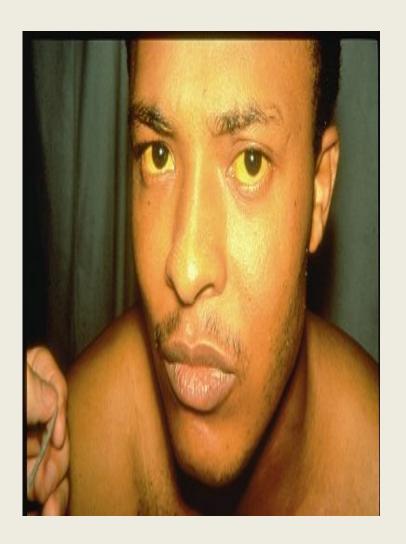




What virus causes swollen parotid glands?

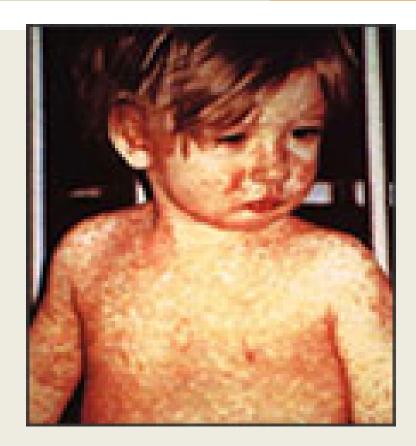






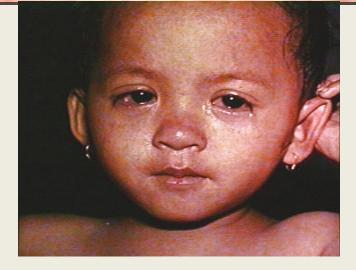
What viruses most commonly affect the liver?







This disease is characterized by a rash, cough, and conjunctivitis. Can you name this disease?















This disease has been eradicated in the Western hemisphere, and European and Western Pacific regions.



















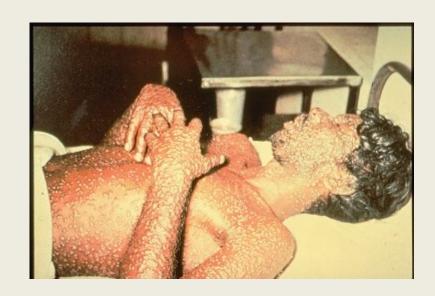






Figure 1. Recommended immunization schedule for persons aged 0 through 18 years - United States, 2015.

(FOR THOSE WHO FALL BEHIND OR START LATE, SEE THE CATCH-UP SCHEDULE [FIGURE 2]).

These recommendations must be read with the footnotes that follow. For those who fall behind or start late, provide catch-up vaccination at the earliest opportunity as indicated by the green bars in Figure 1. To determine minimum intervals between doses, see the catch-up schedule (Figure 2). School entry and adolescent vaccine age groups are shaded.

Vaccine	Birth	1 mo	2 mos	4 mos	6 mos	9 mos	12 mos	15 mos	18 mos	19-23 mas	2-3 yrs	4-6 yrs	7-10 yrs	11-12 yrs	13-15 yrs	16-18 yrs
Hepatitis B ¹ (HepB)	1 st dose	■ 2 nd	dose 		4		—3 rd dose –		-							
Rotavirus ² (RV) RV1 (2-dose series); RV5 (3-dose series)			1 st dose	2 nd dose	See footnote 2											
Diphtheria, tetanus, & acellular pertussis ² (DTaP: <7 yrs)			1 st dose	2 rd dose	3 rd dose			4 —4 th	dose			5 th dose				
Tetanus, diphtheria, & acellular pertussis¹ (Tdap: ≥7 yrs)														(Tdap)		
Haemophilus influenzae type b ^s (Hib)			1 st dose	2 rd dose	See footnote 5		3rd or 4 See for	t ^a dose otnote 5								
Pneumococcal conjugate ⁶ (PCV13)			1 st dose	2 rd dose	3 rd dose		4 th 4 th	dose 😕								
Pneumococcal polysaccharide ⁶ (PPSV23)																
Inactivated poliovirus ⁷ (IPV: <18 yrs)			1 st dose	2 rd dose	*		3 rd dose		•			4 th dose				
Influenzal (IIV; LAIV) 2 doses for some: See footnote 8					Annual vaccination (IIV only) 1 or 2 doses						ccination (LA) or 2 doses	Vor		ination (LAIV dose only	or IIV)	
Measles, mumps, rubella ⁹ (MMR)					See footnote 9						2 nd dose					
Varicella ¹⁸ (VAR)							≪ 1 ^{tt} (dose				2 nd dose				
Hepatitis A ⁷¹ (HepA)							4 2	dose series, :	See footnote	11						
Human papillomavirus ¹² (HPV2: females only; HPV4: males and females)														(3-dose series)		
Meningococcal ^{1,2} (Hib-MenCY ≥ 6 weeks; MenACWY-D≥9 mos; MenACWY-CRM ≥ 2 mos)				See footnote 13										1 st dose		Biscodor
Range of recommended ages for all children		Range for cat	of recommo	ended ages inization		Range of certain h	recommend igh-risk grou	led ages for ups		which a	f recommen atch-up is en high-risk gro	ded ages du couraged ar ups	iring nd for		t routinely commended	

This schedule includes recommendations in effect as of January 1, 2015. Any dose not administered at the recommended age should be administered at a subsequent visit, when indicated and feasible. The use of a combination vaccine generally is preferred over separate injections of its equivalent component vaccines. Vaccination providers should consult the relevant Advisory Committee on Immunization Practices (ACIP) statement for detailed recommendations, available online at http://www.cdc.gov/vaccines/hcp/acip-recs/index.html. Clinically significant adverse events that follow vaccination should be reported to the Vaccine Adverse Event Reporting System (VAERS) online (http://www.vaers.hhs.gov) or by telephone (800-822-7967). Suspected cases of vaccine-preventable diseases should be reported to the state or local health department. Additional information, including precautions and contraindications for vaccination, is available from CDC online (http://www.cdc.gov/vaccines/recs/vac-admin/contraindications.htm) or by telephone (800-CDC-INFO [800-232-4636]).

This schedule is appreciable, the American Academy of Pediatrics (http://www.aap.org), the American Academy of Pediatrics (http://www.aap.org), the American Academy of Pediatrics (http://www.aap.org), and the American College of Obstetricians and Gynecologists (http://www.aap.org).

NOTE: The above recommendations must be read along with the footnotes of this schedule.



FIGURE 2. Catch-up immunization schedule for persons aged 4 months through 18 years who start late or who are more than 1 month behind — United States, 2015.

The figure below provides catch-up schedules and minimum intervals between doses for children whose sectionations have been delayed. A vaccine series does not need to be restarted, regardless of the time that has elapsed between doses. Use the section appropriate for the childr's age. Always use this table in conjunction with Figure 1 and the footnotics that follow.

-11-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		this table in conjunction with Figure 1 and the footnotes that folk	Children age 4 months through 6 years		
	Minimum		Minimum Interval Between Doses		
Vaccine	Age for Dose 1	Dose 1 to Dose 2	Dose 2 to Dose 3	Dow 3 to Dow 4	Dose 4 to Dose 5
Hepatitis 8 ¹	Birth	4 weeks	6 weeks and at least 16 weeks after first close. Minimum age for the first close is 24 weeks.		
Rotavirus ²	6 weeks	4 weeks	4 weeks7		
Diphtheria, totanus, and acel- lular pertussis ²	6 weeks	4 weeks	4 weeks	6 months	6 months ²
Fisemophilus influenzae typu b [‡]	6 weeks	4 weeks If first dose was administered before the 14 birthday. If weeks (as final dose) If first dose was administered at age 12 through 14 months. No further doses needed if first dose was administered at age 15 months or older.	4 weeks? If current age is younger than 12 months and first dose was administrated at younger than age 2' months, and at least 1 previous dose was PSP-T (Activity, Pentiscol) or uniforcem. Se weeks and age 12 through 50 months (as final dose)? If current age is younger than 12 months and first dose was administrated at age 7 through 11 months; and first dose was administrated at age 7 through 11 months; and first dose was administrated at age 7 through 11 months; and first dose was administrated before the 1" birthday, and second dose administrated at younger than 15 months; and were administrated before the 1" birthday, and second and were administrated before the 1" birthday. No further doses receded If previous dose was administrated at age 15 months or older.	8 weeks (as final closes) This close only recreasery for children age 12 through 50 months who received 3 closes before the 14 birthday.	
Presumococcal [®]	6 weeks	4 weeks 6 first dose administered before the 1 st birthday. 8 weeks (as final dose for healthy children) 6 first dose was administered at the 1 st birthday or after. No further doses needed for healthy children if first dose administered at age 24 months or older.	4 weeks if current age is younger than 12 months and previous dose given at 47 months old. 8 weeks (as final down for healthy children) if previous dose given between 7-11 months (wait until at least 12 months old); gi if current age if 21 months or older and at least 1 dose was given before age 12 months. No further dosen needed for healthy children if previous dose administered at age 24 months or older.	8 weeks (as final down) This down only recessary for children aged 12 through 59 months who received 3 down before age 12 months or for children at high risk who received 3 down at any age.	
inactivated policytrus?	6 weeks	4 weeks ²	4 weeks?	6 months' (minimum age 4 years for final dose).	
Meningococcal ¹³	6 weeks	5 weeks ¹¹	See footnote 13	See footnote 13	
Measles, mumps, rubelle ²	12 months	4 weeks			
Vericelle ³⁰	12 months	3 months			
Hepetitis A ¹¹	12 months	6 months			
			Children and adolescents age 7 through 18 years		
Tetanus, diphtheris; tetanus, diphtheria, and acellular pertussis*	7 years!	4 weeks	4 weeks find does of OllafyUT was administered before the 1° birthday. 6 months (as final does) find does of OllafyUT was administered at or after the 1° birthday.	6 months if first close of UTaPyDT was administered before the 1* birthday.	
Human papillomavirus ^U	9 years		Routine dosing intervels are recommended. ¹⁷		
Hepatitis A ²²	Not applicable (N/A)	6 months			
Hepatitis 81	N/A	4 weeks	5 weeks and at least 16 weeks after first dose.		
Inactivated pollovirus ⁷	N/A	4 weeks	4 weeks*	6 months ²	
Meningococcal ¹²	N/A	5 weeks ¹³			
Measles, mumps, rubelle*	10.0				
Varice/le ¹⁰	N/A	3 months if younger than age 13 years. 4 weeks if age 13 years or older.			

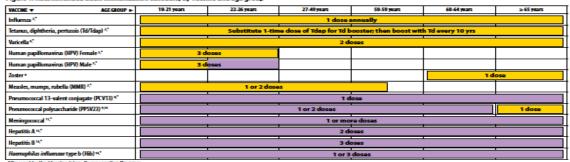
NOTE: The above recommendations must be read along with the footnotes of this schedule.



Recommended Adult Immunization Schedule—United States - 2014

Note: These recommendations must be read with the footnotes that follow containing number of doses, intervals between doses, and other important information

Figure 1. Recommended adult immunization schedule, by vaccine and age group?



For all persons in this category who must be age regularements and who must be age regularements and who have no evidence of previous infaction; under wacche recommended regardless of prior appaced of causer

Baccommended if some other risk factor is prevent fau, or mite basis of medical, occupational, this hybe, or other including the called the control of the called the called of the called the called

Report all dirically significant postwocinetion readions to the Veccine Adverse Event Reporting System (VAERS). Reporting forms and instructions on filing a VAERS report are evaluable at tweetverse. Nhe goo or by telephone, 800-252-7957.

Information on how to tile a Vaccine Injury Compareation Program claim is available at vew hras goodwaceincompensation or by telephone, 800-358-2592.

To tile a claim for veccine injury, contact the U.S. Court of Federal Claims, 7/7 Medison Places, N.W. Westingfort, D.C. 20005; belephone, 200-358-7-8400.

Additional information about the vaccines in this schedule, extent of available data, and contraindications for vaccination is also available at www.ocb.gov/vaccines or from the CDC-NFO Contact Center at 800-CDC-NFO (800-202-4658) in English and Spenish, 8:00 a.m. -8:00 p.m. Eastern Time, Monitory - Fridge, exclusing holdings.

Use of trade names and commercial sources is for identification only and does not imply endorsement by the U.S. Department of Health and Human Services. The recommendations in this schedule were approved by the Centers for Disease Control and Prevention's (CDC) Advisory Committee on Immunization Practices (ACIP), the American Academy of Family Physicians (AAFP), the American College of Physicians (ACIP), American College of Obstetricians and Oynecologists (ACICO) and American College of Nurse-Midwives (ACIM).

Figure 2. Vaccines that might be indicated for adults based on medical and other indications?

		Immune- compromising conditions (excluding human immunodeficiency virus [HIV]) ^{AVAN}	HIV infection CD4+T lymphocyte count WAX		Mon who	Kidney failure,	Heart disease, chronic	Asplenta (including elective splenectomy and persistent			
VACCINE ▼ INDICATION ►	Pregnancy		< 200 cells/μL	≥ 200 colls/µL	have sex with men (MSM)	ond-stage renal disease, receipt of homodialysis	lung disease, chronic alcoholism	complement component deficiencies) *3**	Chronic liver disease	Diabete	Healthcar personne
Influenza ^{2,*}		1 dose IIV annually			1 dow-life or LAN annually			I done IV or Li sensolly			
Tetanus, diphtheria, pertussis (Td/Tdap) ^{1,*}	Triange Triange and programmy	Si	ubstitut	te 1-time	dose of	Tdap for Td b	ooster; the	n boost with Td	every 10) yrs	
Varicella ^{4,*}	C	ontraindicated					2 d	oses			
Human papiliomavirus (HPV) Female [©]		3 doses throu	ıgh age	26 yrs			3 dos	es through age	26 yrs		
Human papillomavirus (HPV) Maie ^{s,*}		3 doses t	hrough	age 26	yrs		3 dos	ses through age	21 yrs		
Zoster ^c	O	ontraindicated						1 dose			
Measles, mumps, rubella (MMR) 7."	C	ontraindicated					1 or 2	doses			
Pneumococcai 13-valent conjugate (PCV13) ^{I,*}						1 d	ose				
Pneumococcal polysaccharide (PPSV23) ^{4,10}						1 or 2 dos	es				
Meningococcal ^{11,*}						1 or more do	ses				
Hepatitis A ^{12,*}						2 doses					
Hepatitis B ^{11,*}						3 doses					
Haemophilus influenzae type b (Hib) ^{14,*}		post-MSCT recipionits only				1 or 3 dos	es				
Covered by the Valuable For all persons in this category who meet the age requirements and who is pay Compensation Program lack documentation of values no evidence of previous infection; a present (e.g., on the basis of medical, assist veneral requirements of prior episios of 2 states.										ommendation	
These schedules indicate the recommended age groups and medical indications for which administration of currently licensed vaccines is a minimal region of the commended on the Administration of currently licensed vaccines is a minimal region of the administration of currently licensed vaccines in a minimal region of the administration of currently licensed or the Administration of the administration of currently licensed or the Administration of currently licensed or the Administration of currently licensed vaccines in a minimal region of the Administration of currently licensed vaccines in a minimal region of the Administration of currently licensed vaccines in a minimal region of the Administration of currently licensed vaccines in a minimal region of the Administration of currently licensed vaccines in a minimal region of the Administration of currently licensed vaccines in a minimal region of the Administration of currently licensed vaccines in a minimal region of the Administration of currently licensed vaccines in a minimal region of the Administration of currently licensed vaccines in a minimal region of the Administration of the Administration of currently licensed vaccines in a minimal region of the Administration of currently licensed vaccines in a minimal region of the Administration of t									ed le:		



These schedules indicate the recommended age groups and medical indications for which administration of currently licensed vaccines is a minority indicated for schild ages 19 years and older, so of Paticuser 1, 2014. For all vaccines being recommended on the full immunisation Schiedie: a vaccine series does not need to be restarted, regardless of the time that has elapsed between closes. Licensed combination vaccines may be used to be combined on the indication are indicated and when the vaccines of the complete of the combination are indicated and when the vaccines of the complete of the combination are indicated and when the vaccines of the complete and combination of the combination of

Immunization Program Nursing



Do we administer vaccines?

No

How do we interact with Community Health Services (CHS)?

Consultation

Flu campaigns

Classes on immunization practices

Immunization Program Nurses

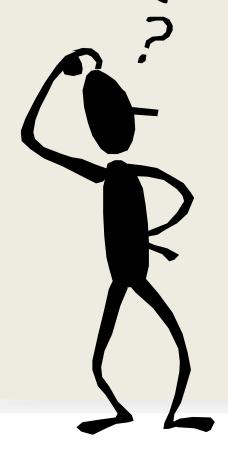


Services Provided:

- Professional Education and Training
 - Vaccination schedule
 - Vaccination of special populations (i.e. healthcare workers, adults, adolescents)
 - Immunization Skills Institute
- Compliance Audits
 - Assess immunization practices to ensure providers meet CDC
 Standards
 - Birthing hospitals
- Provide consultation on immunization-related issues
- Case management for pregnant women with Hepatitis B



QUESTIONS????







THANK YOU!

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> Phone # 213-351-7800 Fax # 213-351-2780

www.publichealth.lacounty.gov/ip