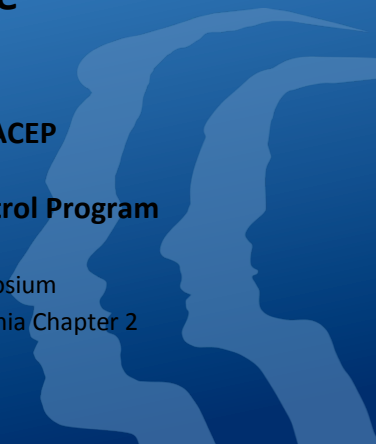




Vaccine Preventable Illness in LA County- An Update

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Disclosure

I do not have relevant financial relationships with commercial interests.


Pearls

- Review new 2019 Childhood and Adolescent Immunization Schedule changes.
- List diseases currently present as clusters in LA County and their management concerns.
- Summarize current local burden of vaccine preventable illness





2019 Childhood and Adolescent Immunization Schedule Changes

- **NO MAJOR CHANGES TO IMMUNIZATION CONTENT OR TIMING – let your staff know**
- Tdap still given to 11-12 y.o.EVEN IF..... they received dose at ages 7-10AND.... given as catch-up ages 13-18 yrsOR..... PREGNANT adolescent
- Hep A for homeless youth – international travelers 6-11 months of age – also measles
- LAIV added to influenza vaccine list
- New hepatitis B immunization for age 18. Two doses, more effective
- <https://www.cdc.gov/vaccines/schedules/downloads/child/0-18yrs-child-combined-schedule.pdf>



Simplified Immunization Chart for Parents

	Birth	1 month	2 months	4 months	6 months	12 months	15 months	18 months	19-23 months	2-3 years	4-6 years
HepB	HepB			HepB							
		RV	RV	RV			DTaP				DTaP
		DTaP	DTaP	DTaP							
		Hib	Hib	Hib	Hib						
		PCV13	PCV13	PCV13	PCV13						
		IPV	IPV	IPV							IPV
				Influenza(Yearly)*							
						MMR					MMR
						Varicella					Varicella
					HepA§						

Simplified Immunization Chart for Parents



Legend

These shaded boxes indicate when the vaccine is recommended for all children unless your doctor tells you that your child cannot safely receive the vaccine.

These shaded boxes indicate the vaccine should be given if a child is catching up on missed vaccines.

These shaded boxes indicate the vaccine is recommended for children with certain health or lifestyle conditions that put them at an increased risk for serious diseases. See vaccine-specific recommendations at www.cdc.gov/vaccines/hcp/acip-recs/index.html.

This shaded box indicates children not at increased risk may get the vaccine if they wish after speaking to a provider.

Simplified Immunization Chart for Parents

	Flu Influenza	Tdap tetanus, diphtheria, pertussis	HPV Human papillomavirus	Meningococcal		Pneumococcal	Hepatitis B	Hepatitis A	Inactivated Polio	MMr Measles, mumps, rubella	Chickenpox Varicella
				MenACWY	MenB						
7-8 Years	Green	Green		Green							
9-10 Years	Green	Green	Green	Green	Green						
11-12 Years	Green	Green	Green	Green	Green						
13-15 Years	Green	Green	Green	Green	Green						
16-18 Years	Green	Green	Green	Green	Green						
More Information:	Everyone 6 months and older should get a flu vaccine every year.	All 11- through 12-year-olds should get one shot of Tdap.	All 11- through 12- year olds should get a 2-shot series of HPV vaccine. A 3-shot series is needed for those with weakened immune systems and those who start the series at 15 years or older.	All 11- through 12- year olds should get one shot of meningococcal conjugate (MenACWY). A booster shot is recommended at age 16.	Teens 16-18 years old may be vaccinated with a serogroup B meningococcal (MenB) vaccine.						








Table 1 Recommended Child and Adolescent Immunization Schedule for ages 18 years or younger
United States, 2019

These recommendations must be read with the Notes 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 Table 1. Minimum intervals between doses, see the catch-up schedule (Table 2). School entry and adolescent vaccine age groups are shaded in gray.

Vaccine	Birth	1 mo	2 mos	4 mos	6 mos	9 mos	12 mos	15 mos	18 mos	19-24 mos	2-3 yrs	4-6 yrs	7-10 yrs	11-12 yrs	13-15 yrs	16 yrs	17-18 yrs
Hepatitis B (HepB)	1 st dose	2 nd dose			← 3 rd dose →												
Rotavirus (RV) RV1 (2-dose series); RVS (3-dose series)			1 st dose	2 nd dose	See Notes												
Diphtheria, tetanus, & acellular pertussis (DTaP; <7 yrs)			1 st dose	2 nd dose	3 rd dose		← 4 th dose →					5 th dose					
Haemophilus influenzae type b (Hib)			1 st dose	2 nd dose	See Notes		← 3 rd or 4 th dose → See Notes										
Pneumococcal conjugate (PCV13)			1 st dose	2 nd dose	3 rd dose		← 4 th dose →										
Inactivated poliovirus (IPV; <18 yrs)			1 st dose	2 nd dose		← 3 rd dose →						4 th dose					
Influenza (IV) OP					Annual vaccination 1 or 2 doses									Annual vaccination 1 dose only			
Influenza (LAIV) OP													Annual vaccination 1 or 2 doses		Annual vaccination 1 dose only		
Measles, mumps, rubella (MMR)					See Notes	← 1 st dose →							2 nd dose				
Varicella (VAR)						← 1 st dose →							2 nd dose				
Hepatitis A (HepA)					See Notes	2-dose series, See Notes											
Meningococcal (MenACWY; D ≥9 mos; MenACWY-CRM ≥2 mos)					See Notes										1 st dose	2 nd dose	
Tetanus, diphtheria, & acellular pertussis (Tdap; ≥7 yrs)																	Tdap
Human papillomavirus (HPV)																	See Notes
Meningococcal B																	See Notes
Pneumococcal polysaccharide (PPSV23)																	See Notes


■ Range of recommended ages for all children
 ■ Range of recommended ages for catch-up immunization
 ■ Range of recommended ages for certain high-risk groups
 ■ Range of recommended ages for non-high-risk groups that may receive vaccine subject to individual clinical decision-making
 ■ No recommendation

01/31/19 Centers for Disease Control and Prevention | Recommended Child and Adolescent Immunization Schedule, United States, 2019 | Page 2

2019 Childhood and Adolescent Immunization Schedule Changes


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Vaccine Preventable Diseases – LA County

	Cases Confirmed Since Last Report	Same Period Last Year	YEAR TO DATE		YEAR END TOTALS			5-YEAR AVERAGE
	01_2019	01_2018	2019	2018	2018	2017	2016	2013-2017
VPDC:								
Hepatitis Type B, Perinatal	45	63	45	63	597	748	775	863.0
Measles	0	0	0	0	5	3	18	13.0
Mumps	1	3	1	3	54	85	18	27.6
Pertussis	10	7	10	7	337	476	217	681.2
Rubella	0	0	0	0	1	0	1	0.2
Varicella	0	1	0	1	11	16	12	11.6

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LAHAN
Los Angeles County Health Alert Network

LAC DPH Health Alert:
**Increase in Clusters of Pertussis in
11 to 18-Year-Olds in LA County**

February 19, 2019



This message is intended for urgent care, primary care, pediatric, family medicine, emergency medicine, internal medicine, infectious disease, laboratory and infection control staff.

Please distribute as appropriate.

Key Messages

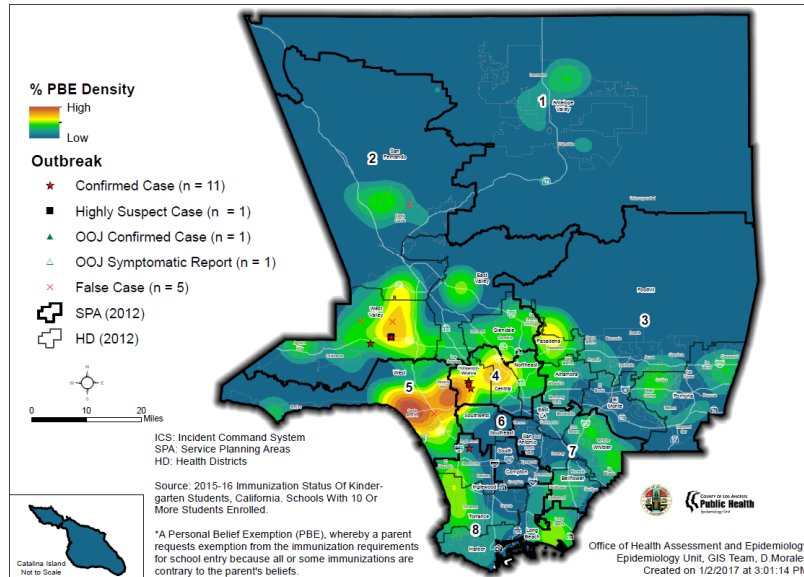
- There has been an increase in clusters of pertussis cases among 11 to 18-year-olds across Los Angeles County.
- Health care providers should consider pertussis even in vaccinated persons with minimal to mild symptoms.
- Pertussis is highly contagious. Treated cases remain communicable through the 5th day of appropriate antibiotic treatment. Patients should not be approved to return to school/work/activity until completion of at least five days of treatment.
- Providers must report all suspected cases within one working day without waiting for laboratory confirmation.

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Diseases currently present as clusters in LA County and their management concerns.

- Pertussis – Clusters in 4-5 high schools/middle schools
- Recurrent issues:
 - Undervaccinated
 - Must complete 5 days of treatment before OK'd for school/work/congregate activities
 - Doctors must have **low threshold for testing** in vaccinated populations because of subtle/atypical presentations, **particularly if patient has hx. of exposure**
 - Test of first preference = PCR of nasopharyngeal swab/aspirate

ICS Measles Outbreak - PBE* among Kindergarteners





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THANK YOU!!!

QUESTIONS??

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