

Los Angeles County Department of Public Health

Acute Communicable Disease Control Program (ACDC)



ACDC Program

- Food Safety
- Antimicrobial Resistance, Influenza & Skilled Nursing Facilities (ARIS)
- Hepatitis & Vector Borne
- Hospital Outreach Unit (HOU)
- Response & Control
- Planning & Evaluation



Role of the PHN



ACDC Collaboration

- Individual case investigations
- Outbreak interviews
- Specimen collection
- Education
- Prophylaxis/Vaccination
- Identification of sensitive occupations/situations (SO)



Mandatory Disease Reporting

- *CCR, Title 17, Sec. 2500 & 2505*, mandates the reporting of over 85 diseases/conditions to public health
- ACDC serves as lead for surveillance & investigation of communicable disease cases and outbreaks
(other than TB, STDs, and HIV/AIDS)





REPORTABLE DISEASES AND CONDITIONS

Title 17, California Code of Regulations (CCR), § 2500

It is the duty of every health care provider, knowing of or in attendance on a case or suspected case of any diseases or conditions listed below, to report to the local health officer for the jurisdiction where the patient resides. "Health care provider" encompasses physicians (surgeons, osteopaths, oriental medicine practitioners), veterinarians, podiatrists, physician assistants, registered nurses (nurse practitioners, nurse midwives, school nurses), infection control professionals, medical examiners/coroners, dentists, and chiropractors, as well as any other person with knowledge of a case or suspected case.

Urgency Reporting Requirements

☒ = Report immediately by telephone ☒ = Report within 1 working day of identification ☒ = Report within 7 calendar days from time of identification

REPORTABLE DISEASES

- | | | |
|--|--|---|
| <ul style="list-style-type: none"> ☒ Acquired Immune Deficiency Syndrome (AIDS) ■ ☒ Amebiasis ☒ Anaplasmosis/Ehrlichiosis ☒ Anthrax, human or animal + ☒ Babesiosis ☒ Botulism: Infant, foodborne, or wound ☒ Brucellosis, animal; except infection due to <i>Brucella canis</i> + ☒ Brucellosis, human + ☒ Campylobacteriosis ☒ Chancroid ■ ☒ Chickenpox (Varicella), only hospitalized and fatal cases, do <u>not</u> report cases of herpes zoster or shingles ☒ <i>Chlamydia trachomatis</i> infection, including lymphogranuloma venereum (LGV) ■ ☒ Cholera + ☒ Ciguatera Fish Poisoning ☒ Coccidioidomycosis ☒ Creutzfeldt-Jakob Disease (CJD) and other Transmissible Spongiform Encephalopathies (TSE) ☒ Cryptosporidiosis ☒ Cyclosporiasis ☒ Cysticercosis or Taeniasis ☒ Dengue ☒ Diphtheria + ☒ Domoic Acid (Amnesic Shellfish) Poisoning ☒ Ehrlichiosis/Anaplasmosis ☒ Encephalitis, specify etiology: viral, bacterial, fungal or parasitic ☒ <i>Escherichia coli</i>, shiga toxin producing (STEC) including <i>E. coli</i> O157 + ☒ Foodborne Disease ☒ Foodborne Outbreak; 2 or more suspected cases from separate households with same assumed source ☒ Giardiasis ☒ Gonococcal Infection ■ ☒ <i>Haemophilus influenzae</i>, invasive disease only, less than 15 years of age ☒ Hantavirus Infection | <ul style="list-style-type: none"> ☒ Hemolytic Uremic Syndrome ☒ Hepatitis A, acute infection ☒ Hepatitis B, specify acute or chronic ☒ Hepatitis C, specify acute or chronic ☒ Hepatitis D (Delta), specify acute or chronic ☒ Hepatitis E, acute infection ☒ Human Immunodeficiency Virus (HIV) ■ (§2641-2643) ☒ Influenza deaths, laboratory confirmed cases only, all ages + ☒ Influenza, novel strains, human ☒ Legionellosis ☒ Leprosy (Hansen's Disease) ☒ Leptospirosis ☒ Listeriosis + ☒ Lyme Disease ☒ Malaria + ☒ Measles (Rubeola) ☒ Meningitis, specify etiology: viral, bacterial, fungal, or parasitic ☒ Meningococcal Infection ☒ Mumps ☒ Paralytic Shellfish Poisoning ☒ Pelvic Inflammatory Disease (PID) ■ ☒ Pertussis (Whooping Cough) ☒ Plague, human or animal + ☒ Poliovirus Infection ☒ Psittacosis ☒ Q Fever ☒ Rabies, human or animal ☒ Relapsing Fever ☒ Rickettsial Diseases (non-Rocky Mountain Spotted Fever), including Typhus and Typhus-like illnesses ☒ Rocky Mountain Spotted Fever ☒ Rubella (German Measles) ☒ Rubella Syndrome, Congenital ☒ Salmonellosis, other than Typhoid Fever + ☒ SARS (Severe Acute Respiratory Syndrome) ☒ Scabies, atypical or crusted + ☒ Scombroid Fish Poisoning ☒ Shiga Toxin, detected in feces ☒ Shigellosis | <ul style="list-style-type: none"> ☒ Smallpox (Variola) ☒ <i>Staphylococcus aureus</i> infection; deaths only or admission to an intensive care unit of a person who: has not had surgery or dialysis or been hospitalized, or resided in a long-term care facility in the past year, and did not have an indwelling catheter or percutaneous medical device at the time of culture. ☒ Streptococcal infection, outbreaks of any type ☒ Streptococcal infection, individual case in a food handler or dairy worker ☒ Streptococcal infection, Invasive Group A, including Streptococcal Toxic Shock Syndrome and Necrotizing Fasciitis; do <u>not</u> report individual cases of pharyngitis or scarlet fever. + ☒ <i>Streptococcus pneumoniae</i>, Invasive + ☒ Syphilis ■ ☒ Tetanus ☒ Toxic Shock Syndrome ☒ Trichinosis ☒ Tuberculosis + ■ ☒ Tularemia, animal ☒ Tularemia, human + ☒ Typhoid Fever, cases and carriers + ☒ Vibrio Infection + ☒ Viral Hemorrhagic Fevers, human or animal (e.g., Crimean-Congo, Ebola, Lassa and Marburg viruses) ☒ West Nile Virus (WNV) infection ☒ Yellow Fever ☒ Yersiniosis |
|--|--|---|

Reportable Non-Communicable Diseases or Conditions

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> ☒ Alzheimer's Disease and Related Conditions (CCR § 2802, § 2806, § 2810) | <ul style="list-style-type: none"> ☒ Disorders Characterized by Lapses of Consciousness (CCR § 2806, § 2810) | <ul style="list-style-type: none"> ☒ Pesticide-Related Illnesses (Health and Safety Code §105200) |
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* Reportable to the Los Angeles County Department of Public Health.
 + Bacterial isolates and malarial slides must be forwarded to Los Angeles County Public Health Laboratory for confirmation. Health care providers must still report all such cases separately. Public Health Laboratory (962) 658-1300

■ For questions regarding the reporting of HIV/AIDS, STDs or TB, contact the respective program:

HIV Epidemiology Program
 (213) 351-8516

STD Program
 (213) 744-3070

TB Control Program
 (213) 745-0800

www.publichealth.lacounty.gov/hiv/index.htm

www.publichealth.lacounty.gov/std/index.htm

www.publichealth.lacounty.gov/tb/index.htm

To report a case or outbreak of any disease, contact the Communicable Disease Reporting System

Tel: (888) 397-3993 • Fax: (888) 397-3778

Reportable Disease and Conditions

ACDC Health Care Professionals -Materials Website:

<http://www.ph.lacounty.gov/acd/HCPmaterials.htm>



Disease Reporting Urgency

⑦ Acquired Immune Deficiency Syndrome (AIDS) ■

☒ Amebiasis

⑦ Anaplasmosis

☎ Anthrax +

☎ Avian Influenza, Human

☒ Babesiosis

☎ Botulism: Infant, Foodborne, or Wound

☎ Brucellosis +

☒ Campylobacteriosis

⑦ Chancroid ■

⑦ *Chlamydia trachomatis* Infections, including lymphogranuloma venereum (LGV) ■

☎ Cholera

☎ Hemorrhagic Fevers, Viral (e.g., Crimean-Congo, Ebola, Lassa and Marburg viruses)

☒ Hepatitis A

⑦ Hepatitis B, specify Acute or Chronic

⑦ Hepatitis C, specify Acute or Chronic

⑦ Hepatitis D (Delta)

⑦ Hepatitis, Other/Acute

⑦ Human Immunodeficiency Virus (HIV) ■ (§2641-2643)

⑦ Influenza deaths (Only report cases less than 18 years of age)

⑦ Kawasaki Syndrome (Mucocutaneous Lymph Node Syndrome)

⑦ Legionellosis

⑦ Leprosy (Hansen's Disease)

☒ *Staphylococcus aureus* Infections (death only or admission to an intensive care unit of a person who has not had surgery or dialysis or been hospitalized, or resided in a long-term care facility in the past year, and did not have an indwelling catheter or percutaneous medical device at the time of culture)

Streptococcal Infections:

☎ Outbreaks of any type

☒ Individual case in a food handler

☒ Individual case in a dairy worker

☒ Invasive Group A Streptococcal Infections including Streptococcal Toxic Shock Syndrome and Necrotizing Fasciitis ★ (Do **not** report individual



Case Scenario



Case Scenario

- A 19 y/o student arrived with a group of 5 students from Indonesia approximately a week prior to onset of symptoms.
- All 6 students:
 - were part of a work study program
 - resided together in an apartment
 - worked at a local amusement park













**Can you name this
disease?**



Smallpox

- Incubation:
 - 12-14 days (range 7-17 days)
- Acute onset flu-like symptoms:
 - Malaise, fevers, rigors, vomiting, headache, backache
- Rash: 2-3 days later



Smallpox

- Transmission: **Person-to-person**
 - Droplet
 - Contact
 - Respiratory secretions
 - Aerosol release

- Highly communicable during the presence of skin rash



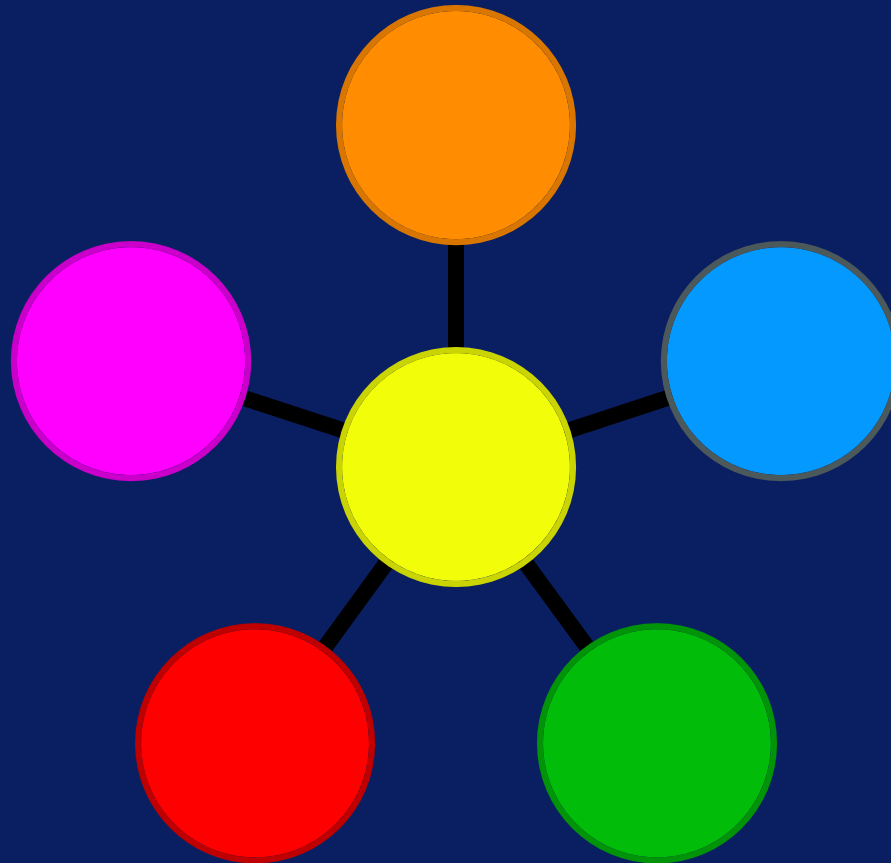
Final Diagnosis



CHICKEN POX!



Wheel of Prevention





QUESTION

What is the mode of transmission for smallpox?



ANSWER

Smallpox is transmitted through

- **Droplet**
- **Direct Contact**
- **Respiratory secretions**
- **Aerosol release**



QUESTION

What isolation precautions should be taken when a smallpox case is suspected?



ANSWER

Suspect cases should be **immediately** placed into airborne and contact isolation precautions



QUESTION

What is the time frame for reporting a suspected smallpox case to Public Health?



ANSWER

IMMEDIATELY!

- **Smallpox is a highly contagious disease**
- **Considered a potential Bioterrorist Agent**

- ✉ Salmonellosis (other than Typhoid Fever) +
- ☎ SARS (Severe Acute Respiratory Syndrome)
- ☎ Scabies (Atypical or Crusted) ★
- ☎ Scombroid Fish Poisoning
- ☎ Shiga Toxin (detected in feces)
- ✉ Shigellosis
- ☎ Smallpox (Variola)



QUESTION

How many people could have potentially been exposed to this case?



ANSWER



Airplane



Apartment



Amusement Park



Airport



Emergency room



QUESTION

What Public Health Nursing Duties would we utilize in this scenario?



ANSWER



Surveillance



Outbreak investigation



Education



Consultation



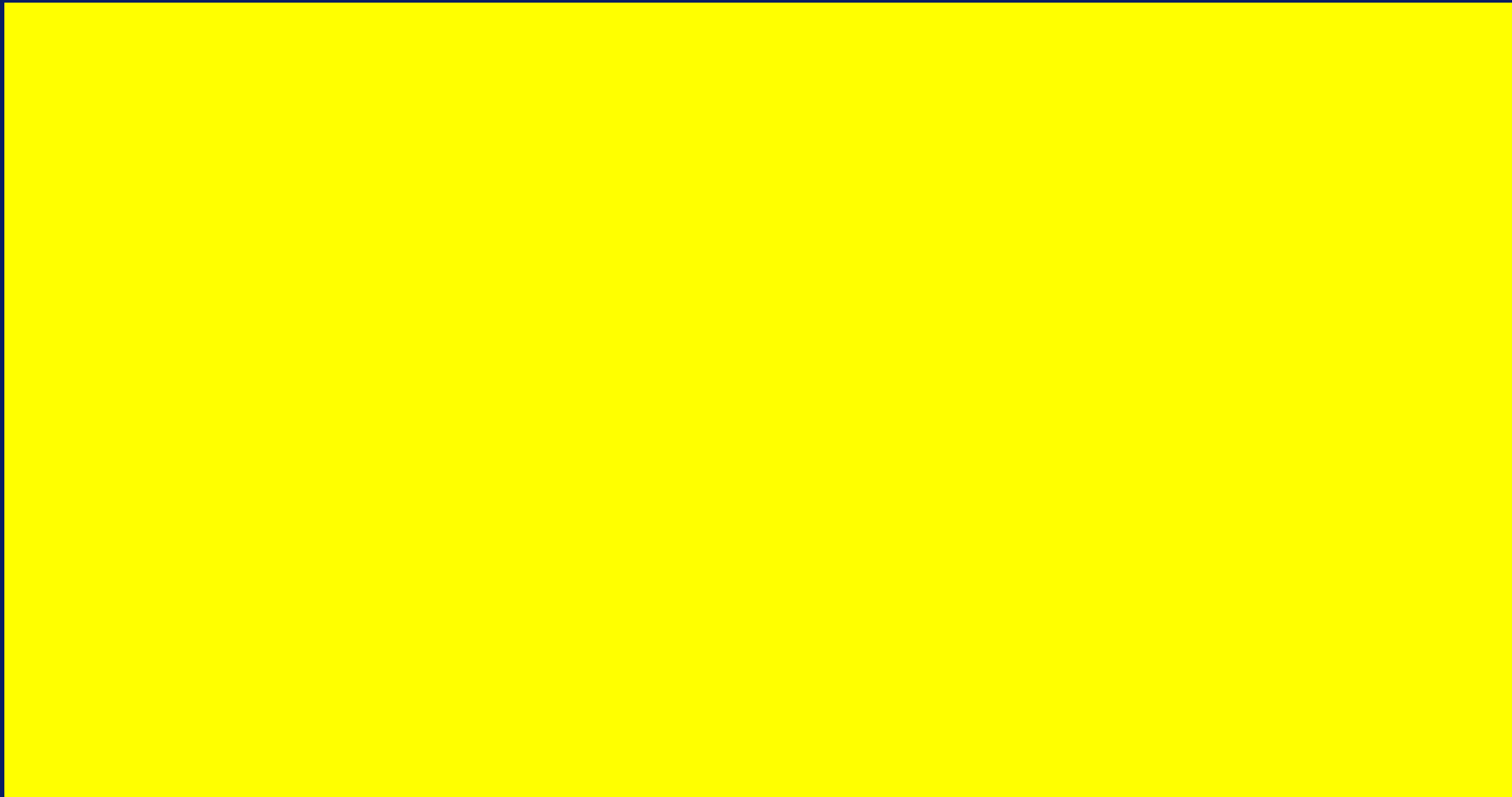
FINAL QUESTION

Public Health Implications :

- What impact could this have on the surrounding community?
- How can an outbreak of this magnitude be prevented?
- What have you learned today about protecting your own health?



ANSWER



Resources

Centers for Disease Control & Prevention

<http://www.cdc.gov/>

California Department of Public Health

<http://www.cdph.ca.gov/Pages/DEFAULT.aspx>



Contact Information

Website: <http://publichealth.lacounty.gov/ACD/>

Address: 313 N. Figueroa Street, 2nd Floor
Los Angeles, CA 90012

Phone: (213) 240-7941

Fax (213) 482-4856

