

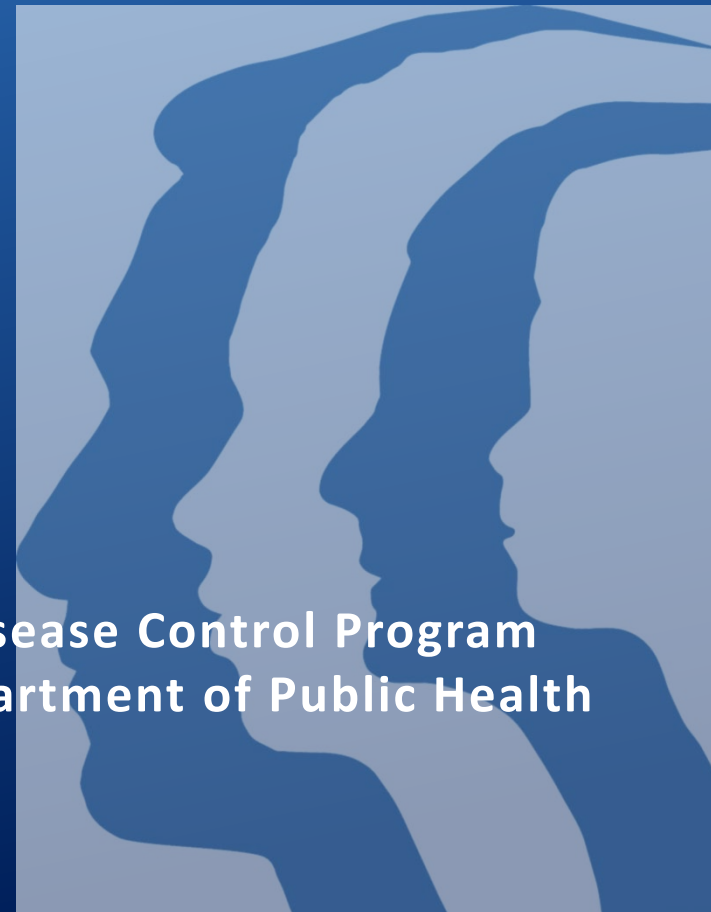
Ask an IP

Learning and Communication Series

Session 3-Core IP Practices
Wednesday June 23rd, 2021



Acute Communicable Disease Control Program
Los Angeles County Department of Public Health





Disclosures

There is no commercial support for today's call

Neither the speakers nor planners for today's call have disclosed any financial interests related to the content of the meeting

This call is meant for healthcare facilities and is off the record and reporters should log off now



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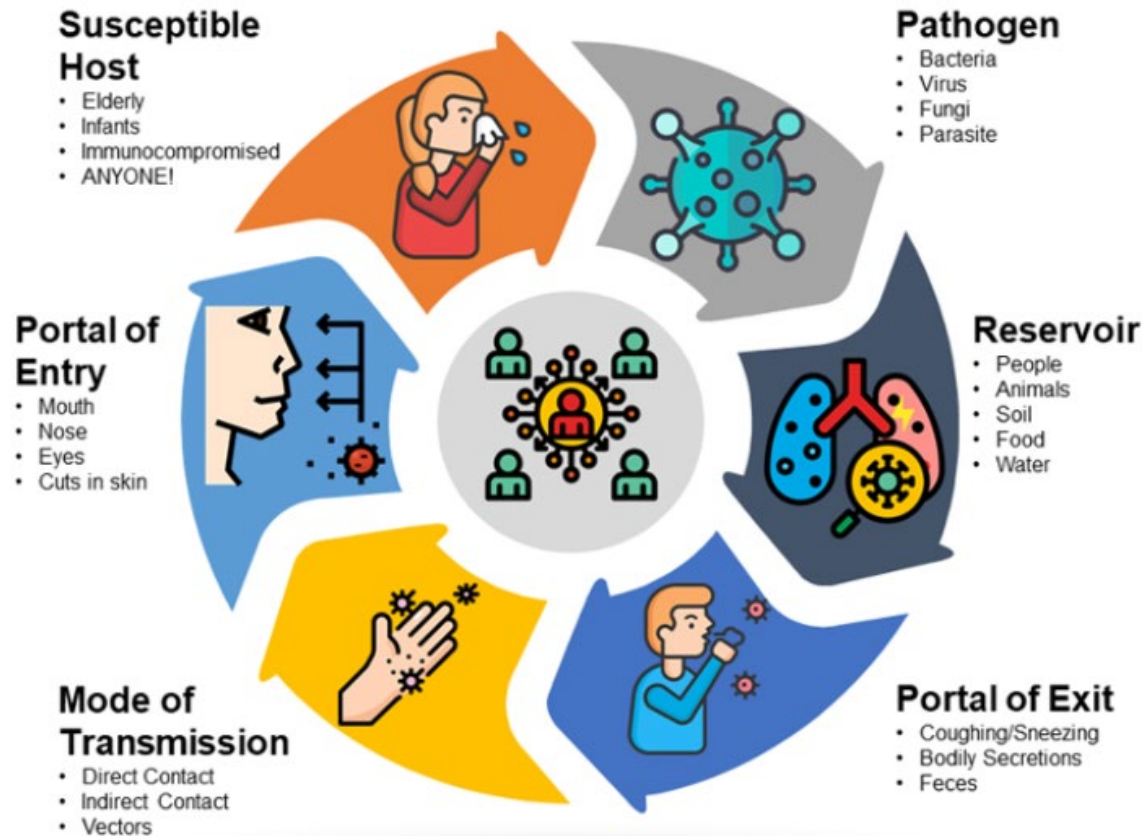
Contact Us: LACSNF@ph.lacounty.gov



Objectives

- Review the chain of infection and infection control concepts
- Describe the core infection prevention practices that must be used in all care settings, all the time
- Foster discussion among LA County Skilled Nursing Facilities about infection control practices

Chain of Infection



Colonization and Infection

- Colonization
 - presence of microorganisms on or in the body but without clinical signs or symptoms- does not need treatment
 - Eg. Methicillin-Resistant *Staphylococcus aureus* (MRSA) in nares and wounds, *C. difficile* in GI tract, *Candida auris* in axilla/groin
- Infection
 - characterized by isolation of microorganisms with clinical expression of diseases such as pneumonia, bloodstream infections, gastrointestinal infections, skin infections etc.- need treatment.
- For IPC purposes, follow the same practices for colonization and infection



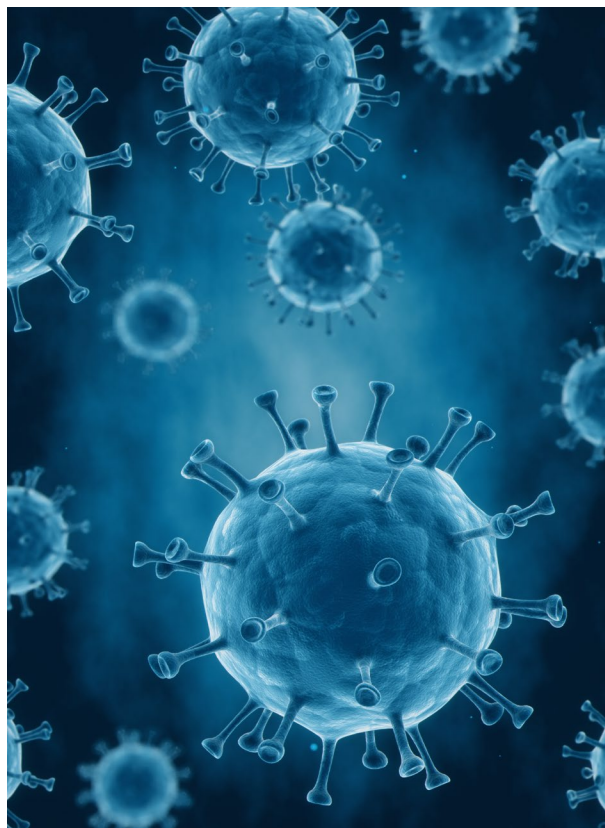
Core Infection Prevention Practices

For Use in All Health Care Settings at All Times

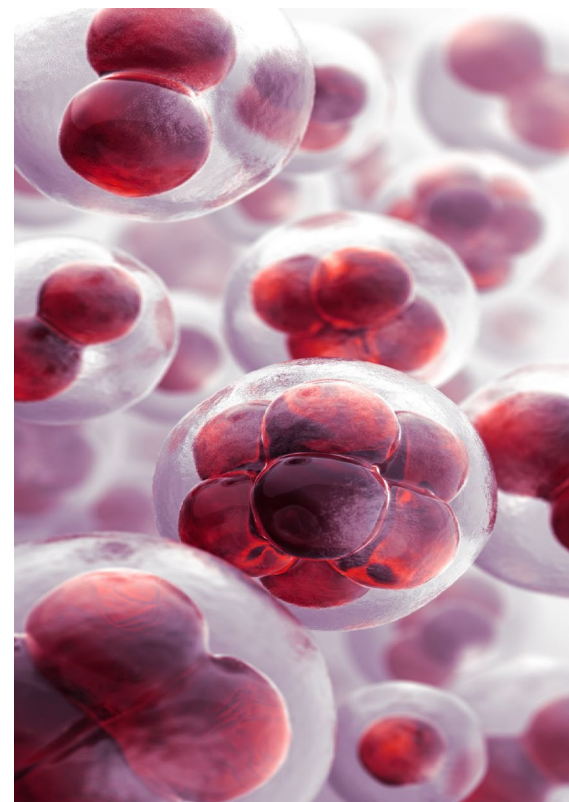
- Visible, tangible leadership support for infection control
- Infection prevention training for all HCP
- Patient, family, caregiver HAI prevention education
- Performance monitoring and feedback
- Early, prompt removal of invasive devices
- Occupational health
- Standard precautions
 - Hand hygiene
 - Environmental cleaning and disinfection
 - Injection safety, medication safety
 - Assess risk, use PPE appropriately
 - Minimize potential exposures
 - Clean and reprocess reusable medical equipment
- Transmission-based precautions as necessary

Reference:
https://www.cdph.ca.gov/Programs/CHCQ/HAI/CDPH%20Document%20Library/2019_2_CoreInfectionPreventionPractices_Approved02.22.19.pdf (Slide 9)

Infectious Agents (Pathogens)



- Bacteria
- Virus
- Fungi
- Parasites
- Protozoa
- Helminths
- Prions



1. <http://professionals.site.apic.org/10-ways-to-protect-patients/break-the-chain-of-infection/>

Reservoir

I. Human

- May/may not show symptoms
- Measles, Mumps, Hepatitis B, Salmonella typhi etc.



II. Animal

- Rabies (Bats, dogs), Anthrax (Sheep), Plague (Rodents), Ebola (Bats)

III. Environmental

- Soil, Water, Plants
- *Histoplasma* (soil), *Legionella* (cooling units), *Clostridium tetani* (soil)

Reference: <https://www.cdc.gov/csels/dsepd/ss1978/lesson1/section10.html>

<http://professionals.site.apic.org/10-ways-to-protect-patients/break-the-chain-of-infection/>



Portal of Exit

- Open wounds/skin
- Body Fluids
- Aerosols
- Mucous membranes

1. <http://professionals.site.apic.org/10-ways-to-protect-patients/break-the-chain-of-infection/>



Mode of Transmission

- Direct
 - Direct contact (skin to skin, kissing, sexual contact etc.)
 - Droplet spread (Meningococcal infection, COVID-19 etc.)
- Indirect
 - Airborne (Measles)
 - Vehicle borne (through food, water, fomites etc.)
 - Vector borne
 - Flea (*Yersinia pestis*-> Plague), Mosquito (*Plasmodium* -> Malaria)



Portal of Entry

- Broken skin/incisions
- Respiratory tract
- Mucous membranes
- Catheters and tubing (invasive devices)

1. <http://professionals.site.apic.org/10-ways-to-protect-patients/break-the-chain-of-infection/>



Susceptible Host

Any person, including your residents, your visitors, and

YOU!!!

1. <http://professionals.site.apic.org/10-ways-to-protect-patients/break-the-chain-of-infection/>

Adherence Monitoring

- What is adherence monitoring?
- Why should we use adherence monitoring?
- Why is adherence monitoring important?



Healthcare-Associated Infections Program Adherence Monitoring
Hand Hygiene

Assessment completed by:
Date:
Unit:

Regular monitoring with feedback of results to staff can improve hand hygiene adherence. Use this tool to identify gaps and opportunities for improvement. Monitoring may be performed in any type of patient care location.

Instructions: Observe at least 10 hand hygiene (HH) opportunities per unit. Observe a staff member and record his/her discipline. Check the type of hand hygiene opportunity you are observing. Indicate if HH was performed. Record the total number of successful HH opportunities and calculate adherence.

HH Opportunity	Discipline	What type of HH opportunity was observed? (select/ <input checked="" type="checkbox"/> 1 per line)	Was HH performed for opportunity observed? ✓ or Ø	
<i>Example</i>	N	<input type="checkbox"/> before care/entering room* <input type="checkbox"/> before task <input type="checkbox"/> after body fluids <input type="checkbox"/> after care* <input checked="" type="checkbox"/> upon leaving room <small>*Remember: Hand hygiene should be performed before <u>and</u> after glove use</small>	✓	
HH1.		<input type="checkbox"/> before care/entering room <input type="checkbox"/> before task <input type="checkbox"/> after body fluids <input type="checkbox"/> after care <input type="checkbox"/> upon leaving room		
HH2.		<input type="checkbox"/> before care/entering room <input type="checkbox"/> before task <input type="checkbox"/> after body fluids <input type="checkbox"/> after care <input type="checkbox"/> upon leaving room		
HH3.		<input type="checkbox"/> before care/entering room <input type="checkbox"/> before task <input type="checkbox"/> after body fluids <input type="checkbox"/> after care <input type="checkbox"/> upon leaving room		
HH4.		<input type="checkbox"/> before care/entering room <input type="checkbox"/> before task <input type="checkbox"/> after body fluids <input type="checkbox"/> after care <input type="checkbox"/> upon leaving room		
HH5.		<input type="checkbox"/> before care/entering room <input type="checkbox"/> before task <input type="checkbox"/> after body fluids <input type="checkbox"/> after care <input type="checkbox"/> upon leaving room		
HH6.		<input type="checkbox"/> before care/entering room <input type="checkbox"/> before task <input type="checkbox"/> after body fluids <input type="checkbox"/> after care <input type="checkbox"/> upon leaving room		
HH7.		<input type="checkbox"/> before care/entering room <input type="checkbox"/> before task <input type="checkbox"/> after body fluids <input type="checkbox"/> after care <input type="checkbox"/> upon leaving room		
HH8.		<input type="checkbox"/> before care/entering room <input type="checkbox"/> before task <input type="checkbox"/> after body fluids <input type="checkbox"/> after care <input type="checkbox"/> upon leaving room		
HH9.		<input type="checkbox"/> before care/entering room <input type="checkbox"/> before task <input type="checkbox"/> after body fluids <input type="checkbox"/> after care <input type="checkbox"/> upon leaving room		
HH10.		<input type="checkbox"/> before care/entering room <input type="checkbox"/> before task <input type="checkbox"/> after body fluids <input type="checkbox"/> after care <input type="checkbox"/> upon leaving room		
Disciplines: CNA = Nurse Assistant D = Dietary N = Nurse		P = Physician RT = Respiratory Therapist S = Student VIS = Visitor	VOL = Volunteer W = Social Worker OTH = Other, Specify U = Unknown	Opportunities: ✓ = Opportunity Successful Ø = Opportunity Missed

1.: https://www.cdph.ca.gov/Programs/CHCO/HAI/CDPH%20Document%20Library/2019_2_CoreInfectionPreventionPractices_Approved02.22.19.pdf



What it takes?

- Infection Prevention training
 - CDPH - Infection Preventionist Training for Skilled Nursing Facilities Online Course
(free!) https://www.cdph.ca.gov/Programs/CHCQ/HAI/Pages/IP_TrainingForSNFs_OnlineCourse.aspx
 - CDC –Nursing Home Infection Preventionist Training Course (free!)
<https://www.cdc.gov/longtermcare/training.html>
- Leadership

1.: https://www.cdph.ca.gov/Programs/CHCQ/HAI/CDPH%20Document%20Library/2019_2_CoreInfectionPreventionPractices_Approved02.22.19.pdf



Summary (Review)

Core Infection Prevention Practices

For Use in All Health Care Settings at All Times

- Visible, tangible leadership support for infection control
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Programming

Session	Date	Covered Topics
Week 1	Wednesday, June 9th	Program Overview
Week 2	Wednesday, June 16th	Office Hours
Week 3 (Today!)	Wednesday, June 23rd	Core IP Practices
Week 4	Wednesday, June 30th	APIC Annual Meeting (off)
Week 5	Wednesday, July 7th	Standard and Enhanced Precautions
Week 6	Wednesday, July 14th	Office Hours
Week 7	Wednesday, July 21st	Contact and Contact Spore
Week 8	Wednesday, July 28th	Office Hours
Week 9	Wednesday, August 4th	Droplet, AB, Novel Respiratory
Week 10	Wednesday, August 11th	Office Hours



Questions

