



Nebraska Infection
Control Network

OUTBREAK MANAGEMENT AND PREVENTION

LOCAL HEALTH DEPARTMENT

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CENTRAL DISTRICT HEALTH DEPARTMENT

1

Objectives

Why is it important to
manage an outbreak?

Infection Preventionist
– vital role in
prevention and control
of infections

Benefits of building a
partnership with your
local health
department

Vaccine Services
ICAR Assessments
Respirator Fit Testing

Infection Prevention
and Control support

Questions

2

Importance of managing an outbreak – vulnerable population

Infections in the NH population have been associated with:

- high rates of morbidity and mortality
- Rehospitalization
- extended hospital stay
- substantial healthcare expenses

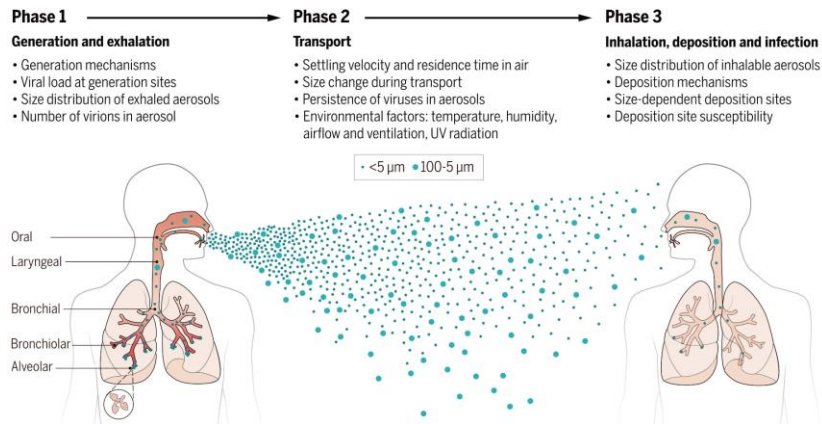
Risk factors that predispose older adults to infections:

- presence of indwelling devices
- recent admission to an acute care facility
- functional impairment
- multiple comorbidities
- overexposure of antibiotics – elevating the risk of colonization & infection with MDRO's

[Common infections in nursing homes: a review of current issues and challenges – PMC \(nih.gov\)](#)

3

“It is important to implement controls that protect against exposure of infectious virus laden aerosols produced when infected individuals without any symptoms speak, sing, or simply breathe. Because these individuals do not know they are infected, they generally continue to be involved in social activities, leading to airborne transmission” (pg. 8 Wang et al., Science 373, eabd9149 (2021))



4



5

Infection Preventionist

a vital role in prevention and
control of Infections

6

2016 CMS mandated that LTCF's employ IPs with specialized training in IPC

**Prins et. al (2025): "Most LTCF IPs learn about the field and their responsibilities while on the job; thus, they are often under-resourced and not fully prepared to meet the CMS requirements."

- ▶ Limited time
- ▶ Staff turnover
- ▶ Competing priorities/dual roles
- ▶ Stress
- ▶ Limited continuing education opportunities



7

Benefits of Building a Partnership With Your Local Health Department



8

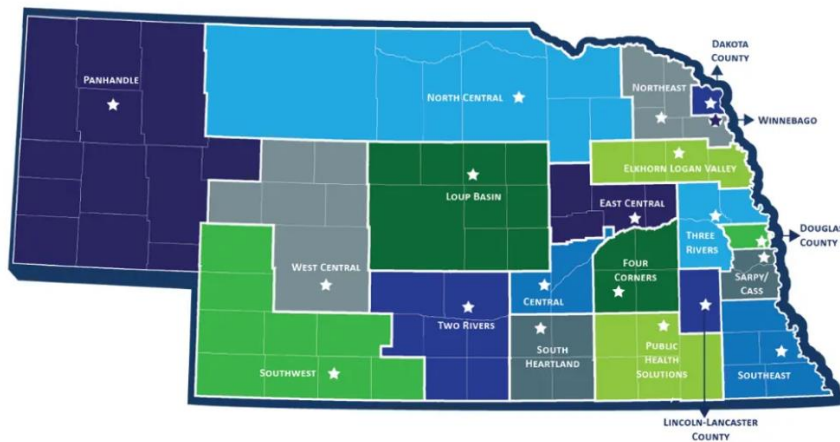
Benefits of Building a Partnership With Your Local Health Department

Local Health Departments (LHD) promote and protect the health of people and the communities where they live and work –
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9

Nebraska Local health Departments



10

HEALTH DISTRICT	COUNTIES
Central District Health Department	Merrick, Hall, and Hamilton counties
Douglas County Health Department	Douglas County
East Central District Health Department	Boone, Nance, Platte, and Colfax counties
Elkhorn Logan Valley Public Health Department	Madison, Stanton, Cuming and Burt counties
Four Corners Health Department	Polk, Butler, York and Seward counties
Lincoln-Lancaster County Health Department	Lancaster County
Loup Basin Public Health Department	Blaine, Custer, Garfield, Greeley, Howard, Loup, Sherman, Valley, and Wheeler counties
North Central District Health Department	Cherry, Keya Paha, Boyd, Brown, Rock, Holt, Knox, Antelope, and Pierce counties
Northeast Nebraska Public Health Department	Cedar, Dixon, Wayne and Thurston counties
Panhandle Public Health District	Deuel, Dawes, Box Butte, Sheridan, Banner, Morrill, Garden, Kimball, Cheyenne, Grant, Sioux, and Scotts Bluff counties
Public Health Solutions	Fillmore, Saline, Thayer, Jefferson and Gage counties
Sarpy/Cass Health Department	Sarpy and Cass counties
South Heartland District Health Department	Adams, Clay, Nuckolls, Webster counties
Southeast District Health Department	Otoe, Johnson, Nemaha, Pawnee and Richardson counties
Southwest NE Public Health Department	Chase, Dundy, Frontier, Furnas, Hayes, Hitchcock, Perkins, Red Willow and Keith counties
Three Rivers Public Health Department	Dodge, Washington and Saunders counties
Two Rivers Public Health Department	Dawson, Buffalo, Gosper, Phelps, Kearney, Harlan, and Franklin counties
West Central District Health Department	McPherson, Logan, Lincoln, Hooker, Arthur and Thomas counties

11

Local Health Departments



- Immunizations
- Food Safety
- Infectious Disease
- Chronic Disease
- Injury and Violence Prevention
- Environmental Health
- Maternal and Child Health
- Emergency Preparedness
- Tobacco Control

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12

LHD ➡ Assist Facilities:

1. Infection Prevention
 2. Outbreak Response
- Vaccine Services
 - ICAR Assessments
 - Respirator Fit-Testing & Training
 - IPC Support

13

Vaccine Services

- Vaccines can help prevent or lessen the degree of an outbreak
- LHD provide community vaccine clinics and education – check with your local health department

14

LHDs assist ICAP with



ICAR

Assessments

15

ICAR Assessments

Infection Control Assessment and Response



Assess a healthcare facility's Infection Prevention and Control Practices.



Excel Document with Assessment, Actions, Interventions, and Resources



Guide quality improvement activities (by addressing identified gaps).

16

ICAR Assessment

Facility Demographics

Infection control Program and Infrastructure

Healthcare Personnel and Resident Safety

Surveillance and Disease Reporting

Hand Hygiene

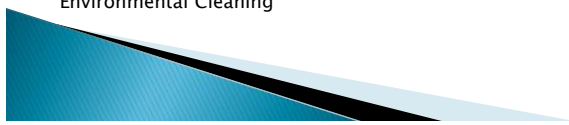
Personal Protective Equipment

Respiratory Hygiene/Cough Etiquette

Prevention of Healthcare Associated Infections (HAI) such as: C-diff (CDI), CAUTI, CLABSI

Injection Safety and Point of Care Testing

Environmental Cleaning



17

ICAR Assessment (con't)

Antibiotic Stewardship

ICRA - before construction or remodeling of facility

Water Management

COVID-19

Laundry

Discuss findings day of assessment

Written ICAR assessment sent to facility

Strengths and Weaknesses

Updated Resources and References

Defined Abbreviations



18

ICAR Excel Sheet Provided to Facility

Infection Control Program and Infrastructure	010300	The facility has a process for reviewing infection surveillance data and infection prevention activities (e.g., presentation at QA committee)	Yes	IPs on Quality Committee, use of routine agenda. No separate infection control committee, but interest in possibly initiating.
Infection Control Program and Infrastructure	010400	Written infection control policies and procedures are available and based on evidence-based guidelines (e.g., CDC/NICPAC), regulations, or standards.	Yes	Written policies and procedures are accessible to staff. Policies are written specific to MCC.
Infection Control Program and Infrastructure	010401	Written infection control policies and procedures are reviewed at least annually or according to state or federal requirements, and updated if appropriate.	Yes	
Infection Control Program and Infrastructure	010500	The facility conducts an infection control risk assessment annually.	Yes	Risk assessment completed annually at beginning of calendar year. IP obtains feedback from department leads.
Infection Control Program and Infrastructure	010600	The facility has a written plan for emergency preparedness (e.g., pandemic influenza or natural disaster).	Yes	
Healthcare Personnel and Resident Safety	020100	The facility has work-exclusion policies concerning avoiding contact with residents when personnel have potentially transmissible conditions which do not penalize with loss of wages, benefits, or job status.	Yes	Facility has policy for return to work related to COVID and other communicable illness, per CDC recommendations
Healthcare Personnel and Resident Safety	020200	The facility educates personnel on prompt reporting of signs/symptoms of a potentially transmissible illness to a supervisor.	Yes	
Healthcare Personnel and Resident Safety	020300	The facility conducts baseline Tuberculosis (TB) screening for all new personnel.	Yes	
Healthcare Personnel and Resident Safety	020301	The facility has a policy to assess healthcare personnel risk for TB (based on regional, community data) and requires periodic (at least annual) TB screening if indicated.	Yes	Risk assessment and screening questionnaire in place. TB skin testing or IGRA lab not performed upon hire.
Healthcare Personnel and Resident Safety	020400	The facility offers Hepatitis B vaccination to all personnel who may be exposed to blood or body fluids as part of their job duties.	Yes	Full immunization records are requested upon hire, for all CDC recommended vaccines for HCP.

19

Resources

Antimicrobial Stewardship	CDC	CDC - AMR Implementation	CDC - Core Elements of Antibiotic Stewardship for Nursing Homes - Implementation Resources	Guidance	2023	https://www.cdc.gov/antimicrobial-stewardship/core-elements-antibiotic-stewardship-nursing-homes/
Antimicrobial Stewardship	CDC	CDC - Core Elements AMR	CDC - The Core Elements of Antibiotic Stewardship for Nursing Homes	Guidance	2015	https://www.cdc.gov/antimicrobial-stewardship/core-elements-antibiotic-stewardship-nursing-homes/
Antimicrobial Stewardship	CDC	CDC - Core Elements Checklist	CDC - The Core Elements of Antibiotic Stewardship for Nursing Homes - Checklist	Tool Kit Resource	2015	https://www.cdc.gov/antimicrobial-stewardship/core-elements-antibiotic-stewardship-nursing-homes-checklist/
Antimicrobial Stewardship	NIH/NIH	NIH/NIH	National Antimicrobial Stewardship Assessment and Evaluation Program	Resource		https://www.nia.nih.gov/health/antimicrobial-stewardship
Catheter-associated Urinary Tract Infection (CAUTI)	NIH/NIH	NIH/NIH - CAUTI - 100000	NIH/NIH - What is the expected infection	Tool Kit Resource		https://www.cdc.gov/antimicrobial-stewardship/core-elements-antibiotic-stewardship-nursing-homes-checklist/
Catheter-associated Urinary Tract Infection (CAUTI)	NIH/NIH	NIH/NIH - Medical Culture	NIH/NIH - Recommendations Criteria for Infection Surveillance Checklist (CUTI)	Tool Kit Resource		https://www.cdc.gov/antimicrobial-stewardship/core-elements-antibiotic-stewardship-nursing-homes-checklist/
Healthcare-Associated Infection (HAI)	CDC	CDC - C-ART	CDC - Information for Healthcare Professionals about C-ART	Guidance		https://www.cdc.gov/antimicrobial-stewardship/core-elements-antibiotic-stewardship-nursing-homes-checklist/
COVID-19	CDC	CDC - COVID-19	CDC - Interim Infection Prevention and Control Recommendations for Healthcare Personnel About the Coronavirus (SARS-CoV-2) (COVID-19)	Guidance	2022	https://www.cdc.gov/antimicrobial-stewardship/core-elements-antibiotic-stewardship-nursing-homes-checklist/
COVID-19	CDC	CDC - Managing SARS-CoV-2 Exposure in Healthcare	CDC - Interim Guidance for Managing Healthcare Personnel with SARS-CoV-2 Infection or Exposure to SARS-CoV-2	Guidance	2022	https://www.cdc.gov/antimicrobial-stewardship/core-elements-antibiotic-stewardship-nursing-homes-checklist/
COVID-19	CDC	CDC - PPE	CDC - Considerations for Determining the Level of PPE for Healthcare Personnel	Guidance	2022	https://www.cdc.gov/antimicrobial-stewardship/core-elements-antibiotic-stewardship-nursing-homes-checklist/
Hand Hygiene	NIH/NIH	NIH/NIH - Hand Hygiene	NIH/NIH - Hand Hygiene: What are the requirements for proper hand hygiene?	Guidance		https://www.cdc.gov/antimicrobial-stewardship/core-elements-antibiotic-stewardship-nursing-homes-checklist/
Hand Hygiene	CDC	CDC - Hand Hygiene and Sanitation	CDC - Guidelines for Hand Hygiene and Sanitation in Healthcare Facilities, 2008, last updated Feb 2019	Guidance		https://www.cdc.gov/antimicrobial-stewardship/core-elements-antibiotic-stewardship-nursing-homes-checklist/
Hand Hygiene and Sanitation	NIH/NIH	NIH/NIH - Physical Environment	NIH/NIH - How the Health Care Physical Environment to Prevent and Control Infection	Guidance		https://www.cdc.gov/antimicrobial-stewardship/core-elements-antibiotic-stewardship-nursing-homes-checklist/
Hand Hygiene and Sanitation	CDC	CDC - Environmental Cleaning	CDC - Best Practices for Environmental Cleaning in Healthcare Facilities - to Resource (online article)	Guidance	2019	https://www.cdc.gov/antimicrobial-stewardship/core-elements-antibiotic-stewardship-nursing-homes-checklist/

20

LHDs assist with Respirator Fit-Testing and Training



21

Prevention of Healthcare Associated Infections (HAI)

Airborne Precautions

Used to prevent spread of infectious organisms that remain suspended in the air and travel great distances due to small size - COVID, measles, smallpox, chickenpox, pulmonary TB.



22

OSHA REQUIREMENTS

23

Respirator Fit Testing - Per OSHA

Any business that requires employees to wear a respirator must follow OSHA guidance for a Respiratory Protection Program (RPP)

1. Employers must conduct a hazard assessment
2. Employers must develop a written RPP
3. Employees must have a medical evaluation, an initial fit test and be properly trained in respirator use
4. Employers must provide annual training on the use and limitations of respirators and provide annual fit testing
5. Employers must maintain records of respirator training, medical clearance and fit testing
6. Maintain and evaluate the RPP on a regular basis (yearly)

24

LHD Provide IPC Support

- Conduct investigations and collect and analyze data to track and prevent the spread of infectious diseases.
- LHD can provide up to date resources and support when an outbreak is identified.
- Each LHD has a designated Healthcare Associated Infections (HAI) liaison

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25

HAI Liaison Directory

Name	Title	Company	HAI Liaison	Phone	Email
Jonna Mangeot		Central DHD	Secondary	(308) 750-2500	jmangeot@cdhe.ne.gov
Nancy Esch	Infection Prevention Coordinator	Central DHD	Primary	(308) 750-3774	nesch@cdhd.ne.gov
Courtney Swick		Dakota Co. HD	Secondary	(402) 987-2164	cswick@dakotacounty.ne.gov
Jennifer Ankersteeme		Dakota Co. HD	Tertiary	(402) 987-2164	jankersteeme@dakotacounty.ne.gov
Theresa Grove	Director	Dakota Co. HD	Primary	(402) 987-2164	tgrove@dakotacounty.ne.gov
Helen Giambrone	Disease Investigator	Douglas Co. HD	Primary	(531) 800-4250	helen.giambrone@douglascounty-ne.gov
Molly Potahl	Assistant Director/ EPI	East Central DHD	Secondary	(402) 350-4978	mpotahl@ecdhd.ne.gov
Rebecca "Becky" Gilenwater		East Central DHD	Primary		rgilenwater@ecdhd.ne.gov
Jill Lewis		Elkhorn Logan Valley PHD	Tertiary	(402) 529-3587	jill@elvphd.ne.gov
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Samantha Salberg		Lincoln- Lincoln Co. HD	Secondary	(402) 441-8053	SSalberg@lincoln.ne.gov
Amanda Jeffes		Loup Basin PHD	Secondary	(308) 201-0165	ajeffes@lsphd.ne.gov
Catie Larsen	Emergency Response Coordinator	Loup Basin PHD	Primary	(308) 201-1941	clarsen@lsphd.ne.gov

26

Local Health Department

Reach out to your LHD – find out what services they can provide to you.

LHD – provide resources and support for infection prevention and outbreak response.

Vaccine Clinics, ICAR Assessments, Respirator fit testing & training, and IPC support.

Know who your HAI Liaison is for your LHD district

29

References

OSHA Respiratory Protection Standard § 1910.134

• <https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.134>

OSHA's Appendix A to § 1910.134 – Fit Testing Procedures (Mandatory)

• <https://www.osha.gov/laws-regs/regulations/standardnumber/1910/1910.134AppA>

National Institute for Occupational Safety and Health (NIOSH) – Hospital Respiratory Protection Toolkit. (Revised April 2022). Information can be useful for other settings in developing and implementing effective respiratory protection programs.

• <https://www.cdc.gov/niosh/docs/2015-117/>

CDC – NIOSH User Seal Check FAQs

• <https://www.cdc.gov/niosh/docs/2018-130/pdfs/2018-130.pdf>

OSHA Respiratory Protection Training Videos

• <https://www.osha.gov/respiratory-protection/training>

30

References

- ▶ [Airborne transmission of respiratory viruses \(science.org\)](#)
- ▶ Montoya A, Mody L. Common infections in nursing homes: a review of current issues and challenges. Aging health. 2011 Dec;7(6):889-899. doi: 10.2217/AHE.11.80. PMID: 23264804; PMCID: PMC3526889.
- ▶ NACCHO.org [NACCHO](#)
- ▶ [Annual Report on Local Public Health in Nebraska : Nebraska Health Care Funding Act \(LB692\), 2018](#)
- ▶ [Find Your Local Health Department : About Local Health Departments : Nebraska Association of Local Health Directors \(nalhd.org\)](#)
- ▶ American Journal of Infection Control (ISSN: 0196-6553) February 2025 Vol. 53 No. 2



31

Questions?

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32