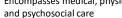


Long-term Care Environment

- Long-term care (LTC) generally refers to the large range of facilities that provide care to individual(s) unable to achieve independent self
 - or assisted care:
 - Nursing homeSkilled nursing and
 - Assisted living facilities
- Assisted living facilities
 Encompasses medical, physical,

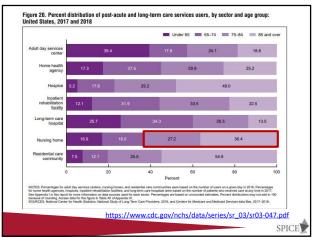


Typically serve as the resident's home

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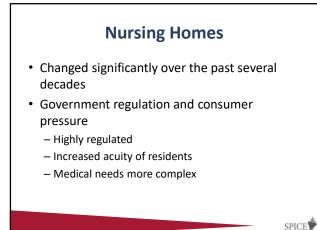
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Nursing Home Demographics

- Number of nursing homes: 15,600 (2018)
- Proportion of nursing homes with forprofit ownership: 70.0% (2018)
- Number of licensed beds: 1.7 million (2018)
- Number of residents: 1.3 million (2017)

https://www.cdc.gov/nchs/data/series/sr_03/sr03-047.pdf

"The problem is that nursing homes still operate on antiquated assumptions made decades ago about the complexity of care their residents require. Previously, older adults populated nursing homes primarily for custodial care and needed little in the way of medical intervention.

Scientific advances have introduced treatments for illnesses that previously were synonymous with death but now can be managed with medicine and therapies.

As a result, those who wind up in nursing homes—many after typically brief hospital stays—are extraordinarily frail, with multiple underlying conditions that demand elaborate medication regimens. "

"there is a notable rise in young patients bringing unique challenges. They are disabled by neurological disorders, trauma, or drug abuse, some have myriad afflictions from birth. younger adults are estimated to be the fastest-growing subpopulation in post-acute and long-term care, increasing to <u>16.5 percent in 2016</u>."

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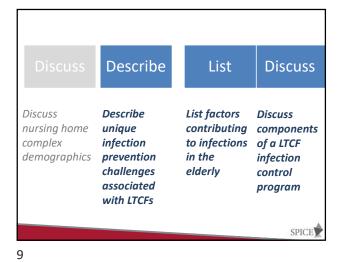
- LTC is no longer synonymous with "geriatric care"
- Adults aged 31-64 years fastest growing population
- 2008 (last survey) CDC estimated that nearly 12% of residents < than 65 years
- Require different approaches in care

https://paltc.org/product-store/younger-adult-long-term-care-setting

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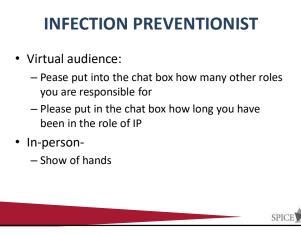
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INFECTION PREVENTION PROGRAMS Infection Prevention and Control (IPC) IP spend less programs are inadequately staffed, as than a third of much as four-fold less than their acute their time on care hospital counterparts IP work; only IPs wear multiple hats 40% have Less than 10% have specialized specialized training; and training less than 10% Difference in social environment are certified Populations in LTCFs are ...3/29/23 heterogeneous Council of State and Territorial Epidemiologists (CSTE): Recommendations for Surveillance and Reporting of Healthcare-Associated Infections in Long Term Care

10



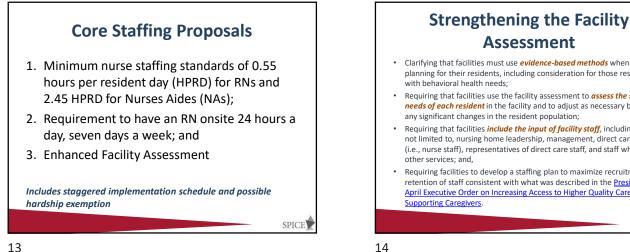
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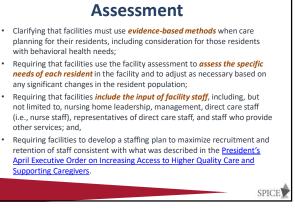
• CMS issued Proposed Rule: ""Medicare and Medicaid Programs; Minimum Staffing Standards for Long-Term Care Facilities and Medicaid Institutional Payment Transparency Reporting".

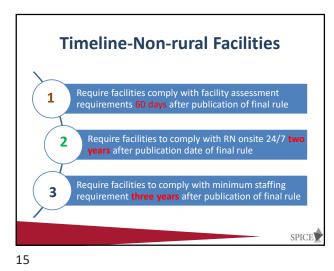
Medicare and Medicaid Programs; Minimum Staffing Standards for Long-Term Care Facilities and Medicaid Institutional Payment Transparency Reporting

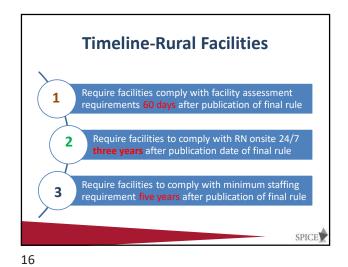
A Proposed Rule by the Centers for Medicare & Medicaid Services on 09/06/2023

https://www.federalregister.gov/documents/2023/09/06/2023-18781/medicare-and-medicaid-programsminimum-staffing-standards-for-long-term-care-facilities-and-medicaid

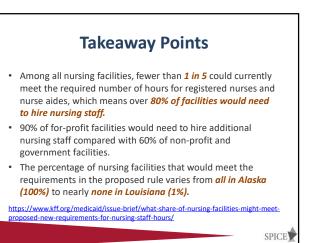


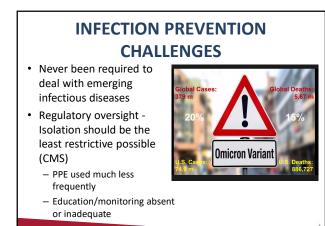


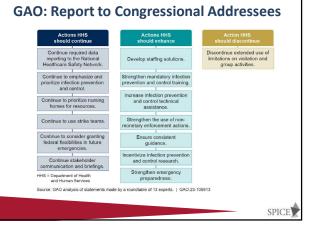




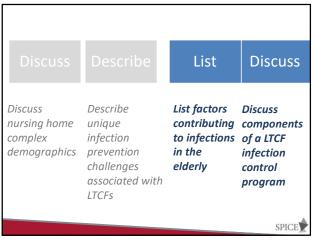








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21

19



22

HEALTHCARE- ASSOCIATED INFECTIONS (HAI) • Limited data

- 1 3 million serious infections annually
- Infections include: – UTI, diarrheal disease, antibiotic-



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- resistant staph infection and othersMajor cause of hospitalization380,000 die of infections in
 - LTCFs annually

estimated to be \$83 million in single month

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OIG. Adverse Events in Skilled Nursing Facilities: National Incidence Among Medicare Beneficiaries, OEI-06-11-00370, February 2014

HEALTHCARE- ASSOCIATED

INFECTIONS (HAI)

• Account for 26% of all serious adverse events

• Among the most frequent causes of transfer to

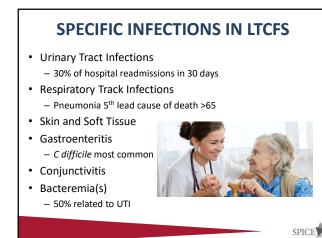
Cost of infection-related hospitalizations was

acute care hospitals and 30-day hospital

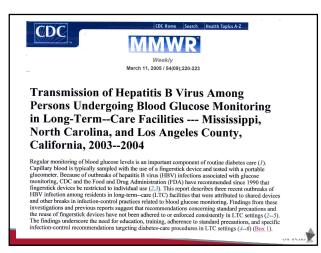
59% deemed preventable

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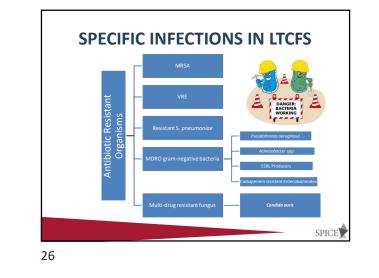
readmissions.





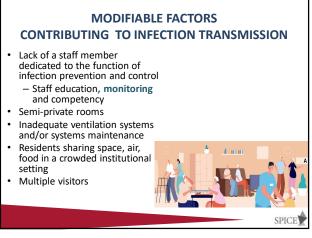


Medical Diagnosis	Percentage of Nursing Home Residents	
Hypertension	71.5%	
Alzheimer's disease or other dementias	47.8%	
Depression	46.3%	
Heart Disease	38.1%	
Diabetes	32.0%	



RESIDENT FACTORS (NON-MODIFIABLE) CONTRIBUTING TO INFECTIONS Medications affecting resistance to infection Limited physiologic reserve Compromised host defenses (↓ cough reflex, thinning skin, decreased tear production and immune dysfunction) Coexisting chronic diseases Impaired responses to infection Increase frequency of therapeutic toxicity

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Discuss	Describe	List	Discuss
Discuss nursing home complex demographics	Describe unique infection prevention challenges associated with LTCFs	List factors contributing to infections in the elderly	Discuss components of a LTCF infection control program

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ADDITIONAL NC STATE REGULATIONS

- Rules Governing the Sanitation of Hospitals, Nursing and Rest Homes, Sanitariums, Sanitoriums and Other Institutions - 15A NCAC 18A .1300
- NC Communicable Disease Rule 10A NCAC 41A .0206.
- NC Rules for the Licensing of Nursing Homes and Beds in Homes for the Aged Licensed as Part of a Nursing Home

33

SHEA/APIC GUIDELINE: infection prevention and control in the long-term care facility In this document, as in several published HICPAC, SHEA, and APIC guidelines, each recommendation is categorized based on existing scientific evidence, theoretical rationale, applicability, and national or state regulations

*Healthcare Infection Control Practices Advisory Committee (HICPAC) *Society Healthcare Epidemiology of America (SHEA) *Association for Professionals in Infection Control and Epidemiology (APIC) Smith et al; AJIC September 2008

34

CATEGORIZATION OF RECOMMENDATIONS

- Category IA: Strongly recommended and strongly supported
- Category IB: Strongly recommended with some support

Category IC: Required by law/regulation

- Category II: Recommended for implementation
- ➢ No Recommendation: Unresolved issues

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LTCF INFECTION PREVENTION PROGRAM

>An active, effective, facility-wide infection prevention program should be established in the LTCF (Cat 1C).

The Purpose of the program is to reduce the <u>risk</u> of development and spread of infectious disease

The IP Program must comply with federal, state and local regulations (Cat 1C)

INFECTION PREVENTION AND CONTROL PROGRAM (IPCP)

• §483.80 Infection Control

 The facility must establish and maintain an infection prevention and control program designed to provide a safe, sanitary and comfortable environment and to help prevent the development and transmission of communicable disease and infection

37

INFECTION PREVENTION AND CONTROL PROGRAM (IPCP) Requires system for preventing, identifying, reporting, investigating and controlling infections and communicable diseases that:

- Covers all residents, staff (direct and indirect care), visitors, volunteers and other service providers. Expectation that facilities tailor the emphasis of their IPCP for visitors and to work tor prevent transmission
 For example, "screening may be passive using signs to alert family members and visitors with signs and symptoms of communicable diseases not to enter. More active screening may include the completion of a screening tool or questionnaire which elicits information related to recent exposures or current symptoms. That information is reviewed by the facility staff and the visitor is either permitted to visit or is excluded
- Is based on the individual facility assessment
- Follows accepted national standards

38

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INFECTION PREVENTION AND CONTROL PROGRAM (IPCP)

- Must include, at a minimum policies and procedures that address - §483.80(a)(2):
 - Surveillance (communicable diseases and infections)
 Reporting
 - Standard and Transmission-based Precautions (define and explain application and how to utilize)
 - Emphasis that isolation should be the least restrictive
- Ensure staff are aware of policies
- · Annual review of the IPCP and update as needed

Appendix PP State Operations manual 2/23

39

POLICIES INCLUDE-continued

- Hand hygiene
 - ABHR preferential use
- Selection and use of PPE
- Addressing use of facemasks for residents with new respiratory symptoms
- Addressing resident room assignment
- How to manage when on TBP and single room not available
- · Limiting movement if on TBP

40

42

POLICIES INCLUDE-continued Respiratory Hygiene/Cough Etiquette

- Increase prevalence of respiratory infections should have facemasks available and offer them to visitors and others entering the facility.
- Post signs with instructions on visitation restriction for those with symptoms
- Environmental cleaning and disinfection
 - Routine cleaning and disinfection/frequently touched surfaces
 - Privacy curtains-changed when visibly dirty
 - Shared equipment-routine cleaning and disinfection
 - Objective methods for evaluation
 Direct observation: Fluorescent markers: Adenosine triphosohate (ATP)

Appendix PP State Operations manual 10/22-updated 2/23

SPICE

POLICIES INCLUDE-continued

- Occupational Health
 - Work restrictions, prohibiting contact with food or residents
 - Assess risk for TB based on exposure or cases of TB in the facility and screen
 - Monitor for clusters or outbreaks among staff
 - Exposure control plan

Educate staff, residents and visitors on the IPCP Monitor adherence

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POLICIES INCLUDE-continued

• Linens

 Use standard precautions if potentially contaminated (e.g., gloves, gowns when sorting and rinsing)

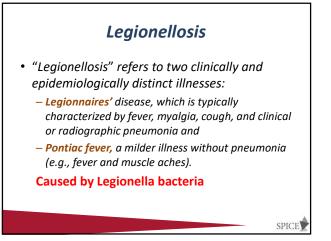


 No special precautions (e.g., double bagging, melting bags) or categorizing (e.g., biohazard, color-coded) for linen originating in transmission-based precaution rooms is necessary

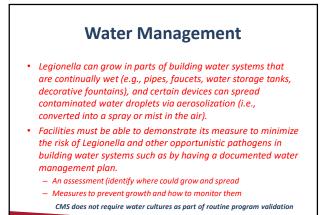
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43



44



45

INFECTION PREVENTION AND CONTROL PROGRAM (IPCP)F881

 An antibiotic stewardship program that includes antibiotic use protocols and a system to monitor use

A system for recording

incidents identified and

the corrective actions



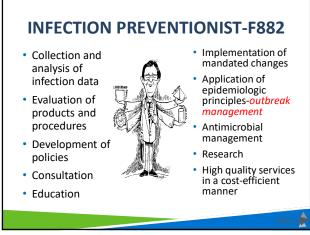
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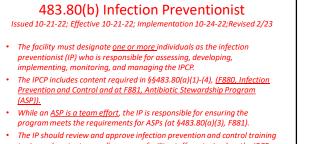
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Antibiotic Stewardship Program

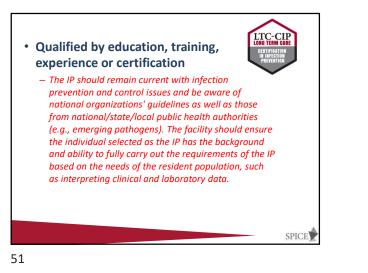
- Incorporate monitoring of antibiotic use, including the frequency of monitoring/review. Monitor/review response to antibiotics, and laboratory results when available, to determine if the antibiotic is still indicated or adjustments should be made (e.g., antibiotic time-out)
- Facilities should provide feedback (e.g., verbal, written note in record) to prescribing practitioners regarding antibiotic resistance data, their antibiotic use and their compliance with facility antibiotic use protocols to improve prescribing practices and resident outcomes.
- Require antibiotic orders to include the indication, dose, and duration.

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- The IP should review and approve infection prevention and control trainin topics and content, as well as <u>ensure facility staff are trained</u> on the IPCP (for further information, see §483.95(e), F945, Infection Control Training), – Dees not have to perform the IPCP training, since some facilities may have designated
 - Does not have to perform the IP staff development personnel



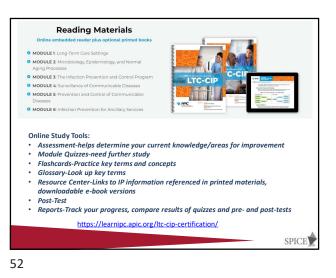
Works at least part time in the facility

- Designated IP hours per week can vary based on the facility and its resident
 population. Therefore, the amount of time required to fulfill the role <u>must
 be at least part-time</u> and should be <u>determined by the facility assessment,
 conducted according to \$483.70(e), to determine the resources it needs for
 its IPCP, and ensure that those resources are provided for the IPCP to be
 effective.
 </u>
- Based upon the assessment, facilities should determine if the individual functioning as the IP should be dedicated solely to the IPCP. A facility should consider resident census as well as resident characteristics, types of units such as respiratory care units, memory care, skilled nursing and the complexity of the healthcare services it offers as well as outbreaks and seasonality of infections such as influenza in determining the amount of IP hours needed.
- The IP must have the time necessary to properly assess, develop, implement, monitor, and manage the IPCP for the facility, address training requirements, and participate in required committees such as QAA.
- Must physically work onsite in the facility





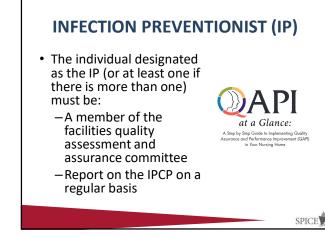
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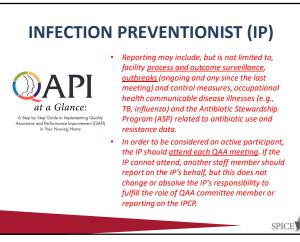


SPICE Mentorship Program In collaboration with the North Carolina Department of Health and Human Services (NC DHHS). the North Carolina Statewide Program for Infection Control and Epidemiology (SPICE) would like to encourage your participation in MENTORING a free performance improvement project focusing on Infection Prevention and Control (IPC). Funded by CDC via contract with NCDHHS Onsite mentoring Visits, standardized plan of activities and topics To request additional information or for questions please contact Evelyn Cook at evelyn cook@med.unc.edu SPICE

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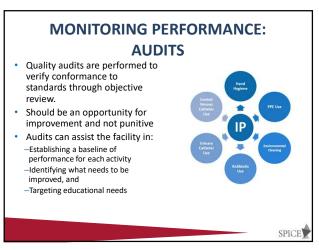
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57



58





• Timely

Based on data that is valid

- Comparisons between peers may be helpful
 Custoined
- Sustained

60

facility <u>must incorporate into an effective</u> <u>QAPI program</u>. Each facility must establish and implement written policies and procedures for feedback.

Feedback is one of many data sources

which provide valuable information the

Examples of mechanisms for obtaining resident and staff feedback may include, but are not limited to:

- Satisfaction surveys and questionnaires;
 Routine meetings, e.g., care plan
- meetings, resident council, safety team, town hall; and

Suggestion or comment boxes

ADMINISTRATIVE STRUCTURE (Committee)

- Oversight of the IP program should be defined and should include participation of the IP, administration, nursing staff, and physician staff (Category II)
 - Meet on regular basis
 - Written minutes with action plans and recommendations
 - Evaluate effectiveness
 - Review of IP data
 - Approve policies and procedures



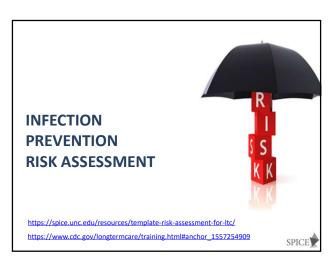
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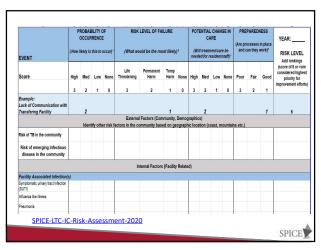
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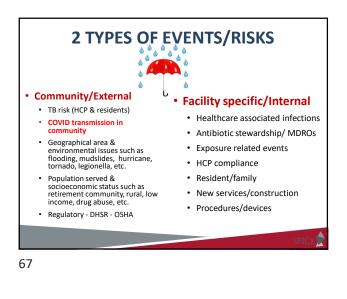
FACILITY-WIDE ASSESSMENT • "Determine what resources are necessary to care for its residents competently during both day-to-day operations and emergencies "The facility must review and update that assessment: As necessary At least annually Whenever there is, or facility plans for, any change that would require a substantial modification to any part of this assessment' Must include a facility-based and community-based risk assessment (MDROs, HAIs and communicable diseases) https://www.federalregister.gov/documents/2023/09/06/2023-18781/medicare-and-medicaid-programs-minimum-staffin standards-for-long-term-care-facilities-and-medicaid Source: Appendix PP State Operations manual 2/23 SPICE 62



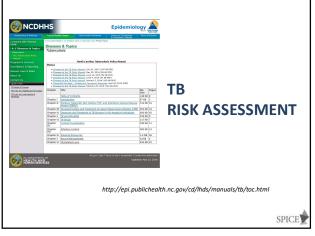
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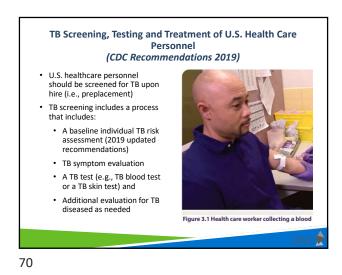


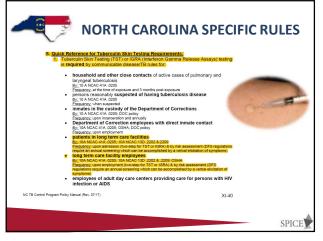




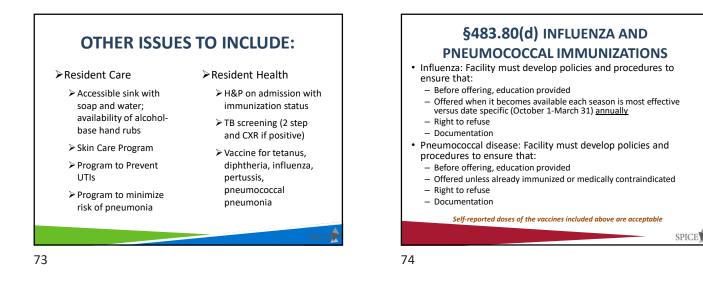


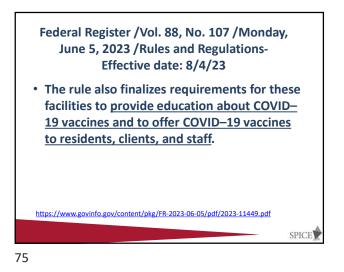


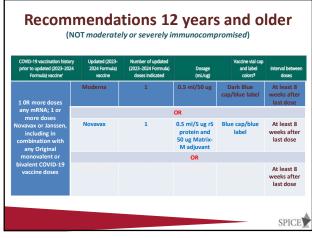


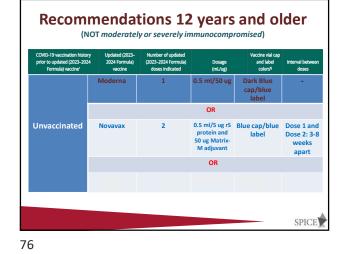


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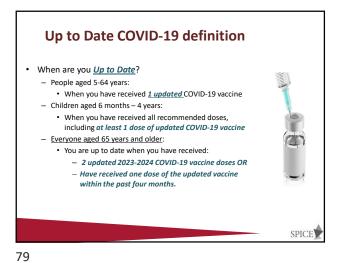








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KEY ELEMENTS – EMPLOYEE HEALTH Immunize Establish Adhere

		and the second
Immunize against vaccine-preventable diseases • Hepatitis B • Influenza • MMR • Varicella • Tetanus, diphtheria, pertussis • COVID-19	Establish sick leave policies that encourage: • Healthcare personnel to stay home when they are ill • Reporting of signs, symptoms, and diagnosed illnesses that may represent a risk to their patients and coworkers	Adhere to federal and state standards and directives applicable to protecting healthcare workers against transmission of infectious agents
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80

EDUCATION AND TRAINING OF HEALTHCARE PERSONNEL ON INFECTION PREVENTION

- Training should be:
 - Job-specific and adapted to the individual healthcare personnel
 Performed before duties can be
 - Performed before duties can be assigned and at least annually
 <u>Additional training to recognized</u>
 - lapses in adherence – Require HCP to demonstrate
 - competency following each training
 - System of documentation of competency for each healthcare personnel



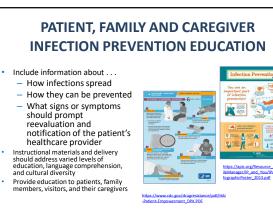
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81



82



IN CONCLUSION

- ✓ One person, the IP, should be assigned the responsibility of directing, infection control activities in LTCF
- ✓ The IP should have a written job description of infection control activities
- ✓ The IP requires the support of administration in order to function effectively
- ✓ The IP needs to be guaranteed sufficient time to direct the infection control program
- ✓ The IP should have written authority to institute infection control measures.

84

