

## **Infection Control Assessment Tool for Long-term Care Facilities**

This tool is intended to assist in the assessment of infection control programs and practices in nursing homes and other long-term care facilities. If feasible, direct observations of infection control practices are encouraged. To facilitate the assessment, health departments are encouraged to share this tool with facilities in advance of their visit.

### **Overview**

#### **Section 1: Facility Demographics**

#### **Section 2: Infection Control Program and Infrastructure**

#### **Section 3: Direct Observation of Facility Practices (optional)**

#### **Section 4: Infection Control Guidelines and Other Resources**

### **Infection Control Domains for Gap Assessment**

- I. Infection Control Program and Infrastructure
- II. Healthcare Personnel and Resident Safety
- III. Surveillance and Disease Reporting
- IV. Hand Hygiene
- V. Personal Protective Equipment (PPE)
- VI. Respiratory/ Cough Etiquette
- VII. Antibiotic Stewardship
- VIII. Injection safety and Point of Care Testing
- IX. Environmental Cleaning



U.S. Department of Health and Human Services  
Centers for Disease Control and Prevention

## Section 1. Facility Demographics

Facility Name (for health department use only)	
NHSN Facility Organization ID (for health department use only)	
State-assigned Unique ID	
Date of Assessment	
Type of Assessment	<input type="checkbox"/> On-site <input type="checkbox"/> Other (specify):
Rationale for Assessment (Select all that apply)	<input type="checkbox"/> Outbreak <input type="checkbox"/> Input from accrediting organization or state survey agency <input type="checkbox"/> NHSN data (if available) <input type="checkbox"/> Collaborative (specify partner[s]): ) <input type="checkbox"/> Other (specify):
Is the facility licensed by the state?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is the facility certified by the Centers for Medicare & Medicaid Services (CMS)	<input type="checkbox"/> Yes <input type="checkbox"/> No
Facility type	<input type="checkbox"/> Nursing home <input type="checkbox"/> Intermediate care facility <input type="checkbox"/> Assisted living facility <input type="checkbox"/> Other (specify):
Number of licensed beds	
Total staff hours per week dedicated to infection prevention and control activities	
Is the facility affiliated with a hospital?	<input type="checkbox"/> Yes (specify – for health department use only): <input type="checkbox"/> No

## Section 2: Infection Control Program and Infrastructure

I. Infection Control Program and Infrastructure		
Elements to be assessed	Assessment	Notes/Areas for Improvement
A. The facility has specified a person (e.g., staff, consultant) who is responsible for coordinating the IC program.	<input type="radio"/> Yes <input type="radio"/> No	
B. The person responsible for coordinating the infection prevention program has received training in IC  <i>Examples of training may include: Successful completion of initial and/or recertification exams developed by the Certification Board for Infection Control &amp; Epidemiology; Participation in infection control courses organized by the state or recognized professional societies (e.g., APIC, SHEA).</i>	<input type="radio"/> Yes <input type="radio"/> No	
C. The facility has a process for reviewing infection surveillance data and infection prevention activities (e.g., presentation at QA committee).	<input type="radio"/> Yes <input type="radio"/> No	
D. Written infection control policies and procedures are available and <b>based on</b> evidence-based guidelines (e.g., CDC/HICPAC), regulations (F-441), or standards.  <i>Note: Policies and procedures should be tailored to the facility and extend beyond OSHA bloodborne pathogen training or the CMS State Operations Manual</i>	<input type="radio"/> Yes <input type="radio"/> No	
E. Written infection control policies and procedures are reviewed at least annually or according to state or federal requirements, and updated if appropriate.	<input type="radio"/> Yes <input type="radio"/> No	
F. The facility has a written plan for emergency preparedness (e.g., pandemic influenza or natural disaster).	<input type="radio"/> Yes <input type="radio"/> No	

II. Healthcare Personnel and Resident Safety		
Elements to be assessed	Assessment	Notes/Areas for Improvement
Healthcare Personnel		
A. 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.	<input type="radio"/> Yes <input type="radio"/> No	
B. The facility educates personnel on prompt reporting of signs/symptoms of a potentially transmissible illness to a supervisor	<input type="radio"/> Yes <input type="radio"/> No	
C. The facility conducts baseline Tuberculosis (TB) screening for all new personnel	<input type="radio"/> Yes <input type="radio"/> No	

II. Healthcare Personnel and Resident Safety, continued		
Elements to be assessed	Assessment	Notes/Areas for Improvement
D. 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.	<input type="radio"/> Yes <input type="radio"/> No	
E. The facility offers Hepatitis B vaccination to all personnel who may be exposed to blood or body fluids as part of their job duties	<input type="radio"/> Yes <input type="radio"/> No	
F. The facility offers all personnel influenza vaccination annually.	<input type="radio"/> Yes <input type="radio"/> No	
G. The facility maintains written records of personnel influenza vaccination from the most recent influenza season.	<input type="radio"/> Yes <input type="radio"/> No	
H. The facility has an exposure control plan which addresses potential hazards posed by specific services provided by the facility (e.g., blood-borne pathogens).  <i>Note: A model template, which includes a guide for creating an exposure control plan that meets the requirements of the OSHA Bloodborne Pathogens Standard is available at: <a href="https://www.osha.gov/Publications/osha3186.pdf">https://www.osha.gov/Publications/osha3186.pdf</a></i>	<input type="radio"/> Yes <input type="radio"/> No	
I. All personnel receive training and competency validation on managing a blood-borne pathogen exposure at the time of employment.  <i>Note: An exposure incident refers to a specific eye, mouth, other mucous membrane, non-intact skin, or parenteral contact with blood or other potentially infectious materials that results from the performance of an individual's duties.</i>	<input type="radio"/> Yes <input type="radio"/> No	
J. All personnel received training and competency validation on managing a potential blood-borne pathogen exposure within the past 12 months.	<input type="radio"/> Yes <input type="radio"/> No	
<b>Resident Safety</b>		
A. The facility currently has a written policy for to assess risk for TB (based on regional, community data) and provide screening to residents on admission.	<input type="radio"/> Yes <input type="radio"/> No	
B. The facility documents resident immunization status for pneumococcal vaccination <u>at time of admission</u> .	<input type="radio"/> Yes <input type="radio"/> No	
C. The facility offers annual influenza vaccination to residents.	<input type="radio"/> Yes <input type="radio"/> No	

III. Surveillance and Disease Reporting		
Elements to be assessed	Assessment	Notes/Areas for Improvement
Surveillance		
A. The facility has written intake procedures to identify potentially infectious persons at the time of admission.  <i>Examples: Documenting recent antibiotic use, and history of infections or colonization with C.difficile or antibiotic-resistant organisms</i>	<input type="radio"/> Yes <input type="radio"/> No	
B. The facility has system for notification of infection prevention coordinator when antibiotic-resistant organisms or C.difficile are reported by clinical laboratory.	<input type="radio"/> Yes <input type="radio"/> No	
C. The facility has a written surveillance plan outlining the activities for monitoring/tracking infections occurring in residents of the facility.	<input type="radio"/> Yes <input type="radio"/> No	
D. The facility has system to follow-up on clinical information, (e.g., laboratory, procedure results and diagnoses), when residents are transferred to acute care hospitals for management of suspected infections, including sepsis.  <i>Note: Receiving discharge records at the time of re-admission is <u>not sufficient</u> to answer "yes"</i>	<input type="radio"/> Yes <input type="radio"/> No	
Disease Reporting		
A. The facility has a written plan for outbreak response which includes a definition, procedures for surveillance and containment, and a list of syndromes or pathogens for which monitoring is performed.	<input type="radio"/> Yes <input type="radio"/> No	
B. The facility has a current list of diseases reportable to public health authorities.	<input type="radio"/> Yes <input type="radio"/> No	
C. The facility can provide point(s) of contact at the local or state health department for assistance with outbreak response.	<input type="radio"/> Yes <input type="radio"/> No	

IV. Hand Hygiene		
Elements to be assessed	Assessment	Notes/Areas for Improvement
A. The facility hand hygiene (HH) policies promote preferential use of alcohol-based hand rub over soap and water except when hands are visibly soiled (e.g., blood, body fluids) or after caring for a resident with known or suspected C. difficile or norovirus.	<input type="radio"/> Yes <input type="radio"/> No	
B. All personnel receive training and competency validation on HH at the time of employment.	<input type="radio"/> Yes <input type="radio"/> No	
C. All personnel received training and competency validation on HH within the past 12 months.	<input type="radio"/> Yes <input type="radio"/> No	

IV. Hand Hygiene, continued		
Elements to be assessed	Assessment	Notes/Areas for Improvement
D. The facility audits (monitors and documents) adherence to HH  <i>Note: If yes, facility should provide documentation of audits</i>	<input type="radio"/> Yes <input type="radio"/> No	
E. The facility provides feedback to personnel regarding their HH performance.  <i>Note: If yes, facility should provide documentation of feedback reports</i>	<input type="radio"/> Yes <input type="radio"/> No	
F. Supplies necessary for adherence to HH (e.g., soap, water, paper towels, alcohol-based hand rub) are readily accessible in resident care areas (i.e., nursing units, resident rooms, therapy rooms).	<input type="radio"/> Yes <input type="radio"/> No	

V. Personal Protective Equipment (PPE)		
Elements to be assessed	Assessment	Notes/Areas for Improvement
A. The facility has a policy on Standard Precautions which includes selection and use of PPE (e.g., indications, donning/doffing procedures).	<input type="radio"/> Yes <input type="radio"/> No	
B. The facility has a policy on Transmission-based Precautions that includes the clinical conditions for which specific PPE should be used (e.g., <i>C.diff</i> , Influenza).	<input type="radio"/> Yes <input type="radio"/> No	
C. Appropriate personnel receive job-specific training and competency validation on proper use of PPE at the time of employment.	<input type="radio"/> Yes <input type="radio"/> No	
D. Appropriate personnel received job-specific training and competency validation on proper use of PPE within the past 12 months.	<input type="radio"/> Yes <input type="radio"/> No	
E. The facility audits (monitors and documents) adherence to PPE use (e.g., adherence when indicated, donning/doffing). <i>Note: If yes, facility should provide documentation of audits</i>	<input type="radio"/> Yes <input type="radio"/> No	
F. The facility provides feedback to personnel regarding their PPE use.  <i>Note: If yes, facility should provide documentation of feedback reports</i>	<input type="radio"/> Yes <input type="radio"/> No	
G. Supplies necessary for adherence to proper PPE use (e.g., gloves, gowns, masks) are readily accessible in resident care areas (i.e., nursing units, therapy rooms).	<input type="radio"/> Yes <input type="radio"/> No	

VI. Respiratory Hygiene/Cough Etiquette		
Elements to be assessed	Assessment	Notes/Areas for Improvement
A. The facility has signs posted at entrances with instructions to individuals with symptoms of respiratory infection to: cover their mouth/nose when coughing or sneezing, use and dispose of tissues, and perform hand hygiene after contact with respiratory secretions?	<input type="radio"/> Yes <input type="radio"/> No	
B. The facility provides resources for performing hand hygiene near the entrance and in common areas.	<input type="radio"/> Yes <input type="radio"/> No	
C. The facility offers facemasks to coughing residents and other symptomatic persons upon entry to the facility.	<input type="radio"/> Yes <input type="radio"/> No	
D. The facility educates family and visitors to notify staff and take appropriate precautions if they are having symptoms of respiratory infection during their visit?	<input type="radio"/> Yes <input type="radio"/> No	
E. All personnel receive education on the importance of infection prevention measures to contain respiratory secretions to prevent the spread of respiratory pathogens	<input type="radio"/> Yes <input type="radio"/> No	

VII. Antibiotic Stewardship		
Elements to be assessed	Assessment	Notes/Areas for Improvement
A. The facility can demonstrate leadership support for efforts to improve antibiotic use (antibiotic stewardship).	<input type="radio"/> Yes <input type="radio"/> No	
B. The facility has identified individuals accountable for leading antibiotic stewardship activities	<input type="radio"/> Yes <input type="radio"/> No	
C. The facility has access to individuals with antibiotic prescribing expertise (e.g. ID trained physician or pharmacist).	<input type="radio"/> Yes <input type="radio"/> No	
D. The facility has written policies on antibiotic prescribing.	<input type="radio"/> Yes <input type="radio"/> No	
E. The facility has implemented practices in place to improve antibiotic use.	<input type="radio"/> Yes <input type="radio"/> No	
F. The facility has a report summarizing antibiotic use from pharmacy data created within last 6 months.  <i>Note: Report could include number of new starts, types of drugs prescribed, number of days of antibiotic treatment) from the pharmacy on a regular basis</i>	<input type="radio"/> Yes <input type="radio"/> No	
G. The facility has a report summarizing antibiotic resistance (i.e., antibiogram) from the laboratory created within the past 24 months.	<input type="radio"/> Yes <input type="radio"/> No	
H. The facility provides clinical prescribers with feedback about their antibiotic prescribing practices.  <i>Note: If yes, facility should provide documentation of feedback reports</i>	<input type="radio"/> Yes <input type="radio"/> No	

VII. Antibiotic Stewardship, continued		
Elements to be assessed	Assessment	Notes/Areas for Improvement
I. The facility has provided training on antibiotic use (stewardship) to all nursing staff within the last 12 months.	<input type="radio"/> Yes <input type="radio"/> No	
J. The facility has provided training on antibiotic use (stewardship) to all clinical providers with prescribing privileges within the last 12 months.	<input type="radio"/> Yes <input type="radio"/> No	

VIII. Injection Safety and Point of Care Testing		
Elements to be assessed	Assessment	Notes/Areas for Improvement
A. The facility has a policy on injection safety which includes protocols for performing finger sticks and point of care testing (e.g., assisted blood glucose monitoring, or AMBG).	<input type="radio"/> Yes <input type="radio"/> No	
B. Personnel who perform point of care testing (e.g., AMBG) receive training and competency validation on injection safety procedures at time of employment.  <i>Note: If point of care tests are performed by contract personnel, facility should verify that training is provided by contracting company</i>	<input type="radio"/> Yes <input type="radio"/> No	
C. Personnel who perform point of care testing (e.g., AMBG) receive training and competency validation on injection safety procedures within the past 12 months.  <i>Note: If point of care tests are performed by contract personnel, facility should verify that training is provided by contracting company</i>	<input type="radio"/> Yes <input type="radio"/> No	
D. The facility audits (monitors and documents) adherence to injection safety procedures during point of care testing (e.g., AMBG).  <i>Note: If yes, facility should provide documentation of audits</i>	<input type="radio"/> Yes <input type="radio"/> No	
E. The facility provides feedback to personnel regarding their adherence to injection safety procedures during point of care testing (e.g., AMBG).  <i>Note: If yes, facility should provide documentation of feedback reports</i>	<input type="radio"/> Yes <input type="radio"/> No	
F. Supplies necessary for adherence to safe injection practices (e.g., single-use, auto-disabling lancets, sharps containers) are readily accessible in resident care areas (i.e., nursing units).	<input type="radio"/> Yes <input type="radio"/> No	
G. The facility has policies and procedures to track personnel access to controlled substances to prevent narcotics theft/drug diversion.	<input type="radio"/> Yes <input type="radio"/> No	

IX. Environmental Cleaning		
Elements to be assessed	Assessment	Notes/Areas for Improvement
A. The facility has written cleaning/disinfection policies which include routine and terminal cleaning and disinfection of resident rooms.	<input type="radio"/> Yes <input type="radio"/> No	
B. The facility has written cleaning/disinfection policies which include routine and terminal cleaning and disinfection of rooms of residents on contact precautions (e.g., <i>C. diff</i> ).	<input type="radio"/> Yes <input type="radio"/> No	
C. The facility has written cleaning/disinfection policies which include cleaning and disinfection of high-touch surfaces in common areas.	<input type="radio"/> Yes <input type="radio"/> No	
D. The facility cleaning/disinfection policies include handling of equipment shared among residents (e.g., blood pressure cuffs, rehab therapy equipment, etc.).	<input type="radio"/> Yes <input type="radio"/> No	
<p>E. Facility has policies and procedures to ensure that reusable medical devices (e.g., blood glucose meters, wound care equipment, podiatry equipment, dental equipment) are cleaned and reprocessed appropriately prior to use on another patient.</p> <p><i>Note: If external consultants (e.g., wound care nurses, dentists or podiatrists) provide services in the facility, the facility must verify these providers have adequate supplies and space to follow appropriate cleaning/disinfection (reprocessing) procedures to prevent transmission of infectious agents</i></p> <p><i>Note: Select <u>not applicable</u> for the following:</i></p> <ol style="list-style-type: none"> <li>1. All medical devices are single use only or dedicated to individual residents</li> <li>2. No procedures involving medical devices are performed in the facility by staff or external consultants</li> <li>3. External consultants providing services which involve medical devices have adequate supplies that no devices are shared on-site and all reprocessing is performed off-site</li> </ol>	<input type="radio"/> Yes <input type="radio"/> No Not Applicable <input type="radio"/>	
<p>F. Appropriate personnel receive job-specific training and competency validation on cleaning and disinfection procedures at the time of employment.</p> <p><i>Note: If environmental services are performed by contract personnel, facility should verify that training is provided by contracting company</i></p>	<input type="radio"/> Yes <input type="radio"/> No	

IX. Environmental Cleaning, continued		
Elements to be assessed	Assessment	Notes/Areas for Improvement
<p>G. Appropriate personnel received job-specific training and competency validation on cleaning and disinfection procedures within the past 12 months.</p> <p><i>Note: If environmental services are performed by contract personnel, facility should verify that training is provided by contracting company</i></p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>	
<p>H. The facility audits (monitors and documents) quality of cleaning and disinfection procedures.</p> <p><i>Note: If yes, facility should provide documentation of audits</i></p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>	
<p>I. The facility provides feedback to personnel regarding the quality of cleaning and disinfection procedures.</p> <p><i>Note: If yes, facility should provide documentation of feedback reports</i></p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>	
<p>J. Supplies necessary for appropriate cleaning and disinfection procedures (e.g., EPA-registered, including products labeled as effective against <i>C.difficile</i> and Norovirus) are available.</p> <p><i>Note: If environmental services are performed by contract personnel, facility should verify that appropriate EPA-registered products are provided by contracting company</i></p>	<p><input type="radio"/> Yes <input type="radio"/> No</p>	

### Section 3: Direct Observation of Facility Practices (optional)

Certain infection control lapses (e.g., reuse of syringes on more than one patient or to access a medication container that is used for subsequent patients; reuse of lancets) can result in bloodborne pathogen transmission and should be halted immediately. Identification of such lapses warrants appropriate notification and testing of potentially affected patients.

Point of Care Testing Observations (e.g., assisted blood glucose monitoring)

HH performed	New gloves worn	*Single use, lancet used?	**Testing meter	Gloves removed	HH performed
<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Dedicated to resident, cleaned/disinfected before storing <input type="radio"/> Cleaned/disinfected before next resident	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Dedicated to resident, cleaned/disinfected before storing <input type="radio"/> Cleaned/disinfected before next resident	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Dedicated to resident, cleaned/disinfected before storing <input type="radio"/> Cleaned/disinfected before next resident	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Dedicated to resident, cleaned/disinfected before storing <input type="radio"/> Cleaned/disinfected before next resident	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Dedicated to resident, cleaned/disinfected before storing <input type="radio"/> Cleaned/disinfected before next resident	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No
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<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Dedicated to resident, cleaned/disinfected before storing <input type="radio"/> Cleaned/disinfected before next resident	<input type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input type="radio"/> No

**Notes:** \*Lancet holder devices (e.g., lancing penlets) are not suitable for multi-patient use. \*\*If the manufacturer does not provide instructions for cleaning and disinfection, then the testing meter should not be used for >1 patient.

## Hand Hygiene and Contact Precautions Observations

Staff type*	Type of opportunity	HH performed?	Gown or glove indicated?	Gown/glove used?
	<input type="radio"/> Room entry <input type="radio"/> Room exit <input type="radio"/> Before resident contact <input type="radio"/> After resident contact <input type="radio"/> Before glove <input type="radio"/> After glove <input type="radio"/> Other:	<input type="radio"/> Alcohol-rub <input type="radio"/> Hand Wash <input type="radio"/> No HH done	<input type="radio"/> Gown only <input type="radio"/> Glove only <input type="radio"/> Both <input type="radio"/> No	<input type="radio"/> Gown used <input type="radio"/> Glove used <input type="radio"/> Both <input type="radio"/> Neither
	<input type="radio"/> Room entry <input type="radio"/> Room exit <input type="radio"/> Before resident contact <input type="radio"/> After resident contact <input type="radio"/> Before glove <input type="radio"/> After glove <input type="radio"/> Other:	<input type="radio"/> Alcohol-rub <input type="radio"/> Hand Wash <input type="radio"/> No HH done	<input type="radio"/> Gown only <input type="radio"/> Glove only <input type="radio"/> Both <input type="radio"/> No	<input type="radio"/> Gown used <input type="radio"/> Glove used <input type="radio"/> Both <input type="radio"/> Neither
	<input type="radio"/> Room entry <input type="radio"/> Room exit <input type="radio"/> Before resident contact <input type="radio"/> After resident contact <input type="radio"/> Before glove <input type="radio"/> After glove <input type="radio"/> Other:	<input type="radio"/> Alcohol-rub <input type="radio"/> Hand Wash <input type="radio"/> No HH done	<input type="radio"/> Gown only <input type="radio"/> Glove only <input type="radio"/> Both <input type="radio"/> No	<input type="radio"/> Gown used <input type="radio"/> Glove used <input type="radio"/> Both <input type="radio"/> Neither
	<input type="radio"/> Room entry <input type="radio"/> Room exit <input type="radio"/> Before resident contact <input type="radio"/> After resident contact <input type="radio"/> Before glove <input type="radio"/> After glove <input type="radio"/> Other:	<input type="radio"/> Alcohol-rub <input type="radio"/> Hand Wash <input type="radio"/> No HH done	<input type="radio"/> Gown only <input type="radio"/> Glove only <input type="radio"/> Both <input type="radio"/> No	<input type="radio"/> Gown used <input type="radio"/> Glove used <input type="radio"/> Both <input type="radio"/> Neither
	<input type="radio"/> Room entry <input type="radio"/> Room exit <input type="radio"/> Before resident contact <input type="radio"/> After resident contact <input type="radio"/> Before glove <input type="radio"/> After glove <input type="radio"/> Other:	<input type="radio"/> Alcohol-rub <input type="radio"/> Hand Wash <input type="radio"/> No HH done	<input type="radio"/> Gown only <input type="radio"/> Glove only <input type="radio"/> Both <input type="radio"/> No	<input type="radio"/> Gown used <input type="radio"/> Glove used <input type="radio"/> Both <input type="radio"/> Neither
	<input type="radio"/> Room entry <input type="radio"/> Room exit <input type="radio"/> Before resident contact <input type="radio"/> After resident contact <input type="radio"/> Before glove <input type="radio"/> After glove <input type="radio"/> Other:	<input type="radio"/> Alcohol-rub <input type="radio"/> Hand Wash <input type="radio"/> No HH done	<input type="radio"/> Gown only <input type="radio"/> Glove only <input type="radio"/> Both <input type="radio"/> No	<input type="radio"/> Gown used <input type="radio"/> Glove used <input type="radio"/> Both <input type="radio"/> Neither
	<input type="radio"/> Room entry <input type="radio"/> Room exit <input type="radio"/> Before resident contact <input type="radio"/> After resident contact <input type="radio"/> Before glove <input type="radio"/> After glove <input type="radio"/> Other:	<input type="radio"/> Alcohol-rub <input type="radio"/> Hand Wash <input type="radio"/> No HH done	<input type="radio"/> Gown only <input type="radio"/> Glove only <input type="radio"/> Both <input type="radio"/> No	<input type="radio"/> Gown used <input type="radio"/> Glove used <input type="radio"/> Both <input type="radio"/> Neither
	<input type="radio"/> Room entry <input type="radio"/> Room exit <input type="radio"/> Before resident contact <input type="radio"/> After resident contact <input type="radio"/> Before glove <input type="radio"/> After glove <input type="radio"/> Other:	<input type="radio"/> Alcohol-rub <input type="radio"/> Hand Wash <input type="radio"/> No HH done	<input type="radio"/> Gown only <input type="radio"/> Glove only <input type="radio"/> Both <input type="radio"/> No	<input type="radio"/> Gown used <input type="radio"/> Glove used <input type="radio"/> Both <input type="radio"/> Neither
	<input type="radio"/> Room entry <input type="radio"/> Room exit <input type="radio"/> Before resident contact <input type="radio"/> After resident contact <input type="radio"/> Before glove <input type="radio"/> After glove <input type="radio"/> Other:	<input type="radio"/> Alcohol-rub <input type="radio"/> Hand Wash <input type="radio"/> No HH done	<input type="radio"/> Gown only <input type="radio"/> Glove only <input type="radio"/> Both <input type="radio"/> No	<input type="radio"/> Gown used <input type="radio"/> Glove used <input type="radio"/> Both <input type="radio"/> Neither

\*Staff key: MD= Physician, PA= Physician assist., NP= Advanced practice nurse, RN=Registered nurse, LPN=Licensed practice nurse, CNA=Certified nurse aide or assist., REHAB= Rehabilitation staff (e.g. physical, occupational, speech), DIET=Dietary staff, EVS=Environmental services or housekeeping staff, SW = Social worker, UNK = Unknown/unable to determine

## Section 4: Infection Control Guidelines and Other Resources

- **General Infection Prevention**

- CDC Infection Prevention Resources for Long-term Care: <http://www.cdc.gov/longtermcare>
- CDC/HICPAC Guidelines and recommendations: [http://www.cdc.gov/HAI/prevent/prevent\\_pubs.html](http://www.cdc.gov/HAI/prevent/prevent_pubs.html)
- CMS State Operations Manual, Appendix PP, Released Nov 2014 (IC Guidance on pages 182-220): <https://www.cms.gov/Regulations-and-Guidance/Guidance/Transmittals/Downloads/R127SOMA.PDF>

- **Healthcare Personnel Safety**

- Guideline for Infection Control in Healthcare Personnel: <http://www.cdc.gov/hicpac/pdf/InfectControl98.pdf>
- Immunization of HealthCare Personnel: <http://www.cdc.gov/vaccines/adults/rec-vac/hcw.html>
- Occupational Safety & Health Administration (OSHA) Bloodborne Pathogen and Needlestick Prevention Standard: <https://www.osha.gov/SLTC/bloodbornepathogens/index.html>

- **Hand Hygiene**

- Guideline for Hand Hygiene in Healthcare Settings: <http://www.cdc.gov/mmwr/PDF/rr/rr5116.pdf>
- Hand Hygiene in Healthcare Settings: <http://www.cdc.gov/handhygiene>

Examples of Hand Hygiene Auditing Tools:

- Measuring Hand Hygiene Adherence: Overcoming the Challenges: [http://www.jointcommission.org/assets/1/18/hh\\_monograph.pdf](http://www.jointcommission.org/assets/1/18/hh_monograph.pdf)
- iScrub: <http://compepi.cs.uiowa.edu/index.php/Research/iScrub>

- **Personal Protective Equipment**

- 2007 Guidelines for Isolation Precautions: Preventing Transmission of Infectious Agents in Healthcare Settings: <http://www.cdc.gov/hicpac/pdf/isolation2007.pdf>
- Management of Multi-Drug Resistant Organisms in Healthcare Settings, 2006: <http://www.cdc.gov/hicpac/pdf/guidelines/MDROGuideline2006.pdf>
- Guidance for the Selection and Use of Personal Protective Equipment in Healthcare Settings: <http://www.cdc.gov/HAI/prevent/ppe.html>

- **Respiratory Hygiene/Cough Etiquette**

- 2007 Guidelines for Isolation Precautions: Preventing Transmission of Infectious Agents in Healthcare Settings: <http://www.cdc.gov/hicpac/pdf/isolation2007.pdf>

- Respiratory Hygiene and Cough Etiquette in Healthcare  
Settings: <http://www.cdc.gov/flu/professionals/infectioncontrol/resphygiene.htm>
- Recommendations for preventing the spread of influenza: <http://www.cdc.gov/flu/professionals/infectioncontrol/>
- CDC Influenza Vaccination Tool-kit for Long-term Care Employers: <http://www.cdc.gov/flu/toolkit/long-term-care/index.htm>
- **Antimicrobial stewardship**
  - CDC Implementation Resources for Antibiotic Stewardship: <http://www.cdc.gov/getsmart/healthcare/implementation.html>
- **Safe Injection and Point of Care Testing Practices**
  - 2007 Guidelines for Isolation Precautions: Preventing Transmission of Infectious Agents in Healthcare Settings: <http://www.cdc.gov/hicpac/pdf/isolation/Isolation2007.pdf>
  - CDC Injection Safety Web Materials: <http://www.cdc.gov/injectionsafety>
  - CDC training video and related Safe Injection Practices Campaign materials: <http://oneandonlycampaign.org>
  - Infection Prevention during Blood Glucose Monitoring and Insulin Administration: <http://www.cdc.gov/injectionsafety/blood-glucose-monitoring.html>
  - Frequently Asked Questions (FAQs) regarding Assisted Blood Glucose Monitoring and Insulin Administration: [http://www.cdc.gov/injectionsafety/providers/blood-glucose-monitoring\\_faqs.html](http://www.cdc.gov/injectionsafety/providers/blood-glucose-monitoring_faqs.html)
- **Environmental Infection Control**
  - Guidelines for Environmental Infection Control in Healthcare Facilities: [http://www.cdc.gov/hicpac/pdf/guidelines/eic\\_in\\_HCF\\_03.pdf](http://www.cdc.gov/hicpac/pdf/guidelines/eic_in_HCF_03.pdf)
  - EPA Listing of disinfectant products with sporicidal activity against *C. difficile*: [http://www.epa.gov/oppad001/list\\_k\\_clostridium.pdf](http://www.epa.gov/oppad001/list_k_clostridium.pdf)
  - Options for Evaluating Environmental Infection Control: <http://www.cdc.gov/HAI/toolkits/Evaluating-Environmental-Cleaning.html>
- **Resources to assist with evaluation and response to breaches in infection control**
  - Patel PR, Srinivasan A, Perz JF. Developing a broader approach to management of infection control breaches in health care settings. Am J Infect Control. 2008 Dec;36(10);685-90
  - Steps for Evaluating an Infection Control Breach: [http://www.cdc.gov/hai/outbreaks/steps\\_for\\_eval\\_IC\\_breach.html](http://www.cdc.gov/hai/outbreaks/steps_for_eval_IC_breach.html)
  - Patient Notification Toolkit: <http://www.cdc.gov/injectionsafety/pntoolkit/index.html>