

#### **National Healthcare Safety Network**

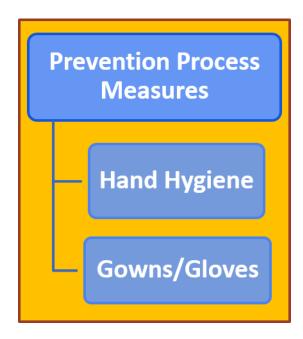
Long Term Care Facility Component
Prevention Process Measures Module:
Hand Hygiene Event Reporting
Gown/Gloves Use Event Reporting

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#### **Overview**

- Introduction
- Goals and Benefits of Long-Term Care Facility (LTCF) participation
- Protocol and Definitions
- LTCF Data Collection
  - Prevention Process Measures (PPM) Opportunities
  - Process and Resources
- Reporting
  - Monthly Reporting Plan (MRP)
  - Monthly Summary Data
  - Calculating Adherence Rates

## NHSN Long-term Care Facility Component Prevention Process Measures Module



### Prevention Process Measures Module: What's in it for YOU?

What are the benefits to using NHSN?

- ➤ Reinforces and supports the CMS Quality Assurance and Performance Improvement (QAPI) initiative for improving safety and quality in nursing homes.
- Assists with measuring staff infection prevention & control practices (e.g. Hand Hygiene.
- ➤ Aids nursing home personnel with prevention and control practices for reducing the incidence of healthcare associated infections and costs.
- Offers the use of electronic database for targeted quality measures that will help to improve healthcare delivery practices.

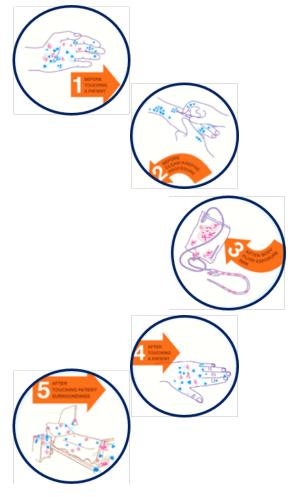
# **Prevention Process Measures Module Hand Hygiene**

#### **Hand Hygiene Protocol**

- Hand Hygiene (HH) Adherence is monitored by direct observation of Healthcare Personnel (HCP) practices in resident care areas throughout the facility
  - > LTCF staff other than an infection preventionist can be trained to perform the observations and collect required data elements.
  - > Total # Performed: Total number of observed instances during which staff hand hygiene was successfully performed.
  - > **Total # Indicated:** Total number of observed instances during which staff hand hygiene was warranted.
- Perform at least 30 unannounced observations of varied HCPs after contact with residents or inanimate objects in resident's vicinity each month.

# Hand Hygiene Opportunities in Long Term Care Facilities

Hand Hygiene Opportunity (5 Moments)	Specific Examples
1. Prior to touching a resident	<ul> <li>Prior to delivering care and other non-invasive treatment</li> <li>Prior to assisting a resident with personal care activities</li> <li>Prior to performing a physical non-invasive exam</li> </ul>
2. Prior to clean/aseptic procedures	<ul> <li>Prior to drawing blood sample from resident finger</li> <li>Prior to performing catheter site care</li> <li>Prior to administering medications</li> </ul>
3. After body fluid exposure risk	<ul> <li>After inserting or removing an invasive medical device</li> <li>After removing any protective material</li> <li>After clearing excreta and other bodily fluid</li> </ul>
4. After touching a resident	<ul> <li>After delivering care and other non-invasive treatment</li> <li>After assisting resident with personal care activities</li> <li>After removing gloves</li> </ul>
5. After touching resident surroundings	After physical contact with the resident's immediate environment



# How many unannounced observations are suggested to be performed each month?

- A. 10
- B. 15



C. 30

**Rationale:** The observer should perform at least 30 unannounced observations of varied HCPs **after** contact with residents or inanimate objects in resident's vicinity each month.

# **Prevention Process Measures Module Gown and Gloves Use**

#### **Gown & Gloves Use Protocol**

- Monitor Gown and Gloves Use by HCP during interactions with residents who are placed in Transmission-based Contact Precautions
- Appropriate gown and gloves use:
  - ➤ Donning of <u>both</u> a gown and gloves *prior* to contact with a resident or inanimate surfaces/objects in vicinity of resident
  - ➤ Use of gloves only without a gown would not count as appropriate use when the resident is placed in Transmission-based Contact Precautions
- Perform at least 30 unannounced observations of varied HCP during their interactions with residents who are placed in Transmission-Based Contact Precautions each month.

# Opportunities for Gown & Gloves Usage in Long-Term Care Facilities

#### **Gown & Gloves**





#### **Recommended Best Practices**

Administering resident care for wound secretions

Cleaning an incontinent resident with diarrhea

If a resident is in contact precautions (MRSA and *C. difficile* are examples of two types of bacteria, which may be spread through contact)

Responding to an emergency where blood is spurting

When handling contaminated items

### What is considered the appropriate practice of Gown and Glove Use by Healthcare Personnel?

- A. Use of gown during interactions with residents who are placed on Contact Precautions
- B. Only when gloves are used



C. Donning of both gown and gloves prior to contact with a resident or surfaces/objects in vicinity of resident placed in Transmission-based Contact Precautions

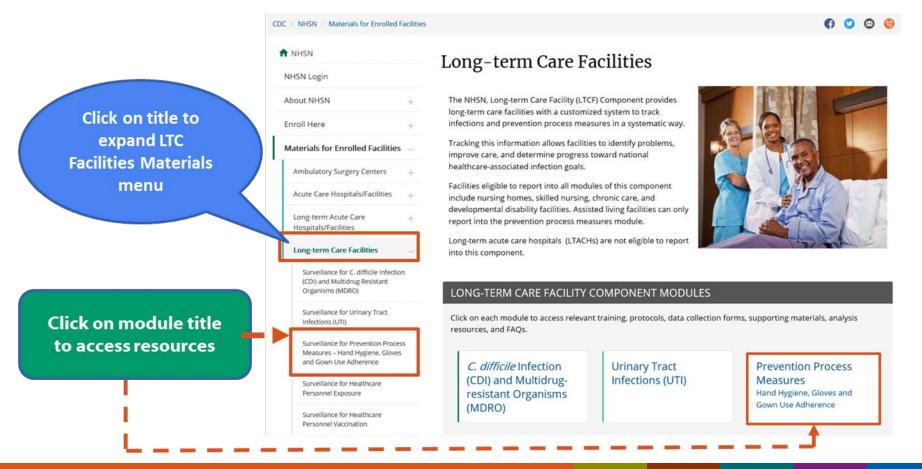
**Rationale:** Appropriate gown and gloves use is the donning of both a gown and gloves prior to contact with a resident or inanimate surfaces/objects in vicinity of resident. If gloves are used without a gown, it would not count as appropriate use when the resident is placed in Transmission-based Contact Precautions.

# **Prevention Process Measures Module: Data Collection Process and Tools**

#### **Data Collection Process**

- Observations should be discrete
  - > To prevent staff disruption while administering care
  - > To prevent data collection from influencing staff performance
- Try to ensure that observations are as representative as possible of normal practice at the facility:
  - Observe different staff members on different days and shifts
  - Consider observing during particularly busy times (e.g. shift change), when staff may be less attentive to proper practices
- Focus on an area of the unit where staff interaction with residents are clearly visible
  - This may include observation of several staff members
  - In general, hand hygiene should be performed prior to and following direct contact with residents

#### **Prevention Process Measures Module Resources**



### NHSN Forms and Instructions

- CDC57.143: Prevention Process Measures Monthly Monitoring Form
  - Resembles Summary Data page in the NHSN application
  - Specific to PPM Reporting
  - Customizable
  - Total counts only
    - Numerator (performed/used)
    - Denominator (indicated)
  - Available on NHSN website:

https://www.cdc.gov/nhsn/ltc/processmeasures/index.html



Form Approved OMB No. 0920-0666 Exp. Date: 01/31/2021 www.cdc.gov/nhsn

#### **Prevention Process Measures Monthly Monitoring for LTCF**

Facility ID #:	*Month:	*Year:	*Location Code:
Prevention Process N	leasures		
Hand Hygiene		Gown and Gloves	
**Performed:	← Numerator →	**Used:	
**Indicated:	← Denominator →	**Indicated:	

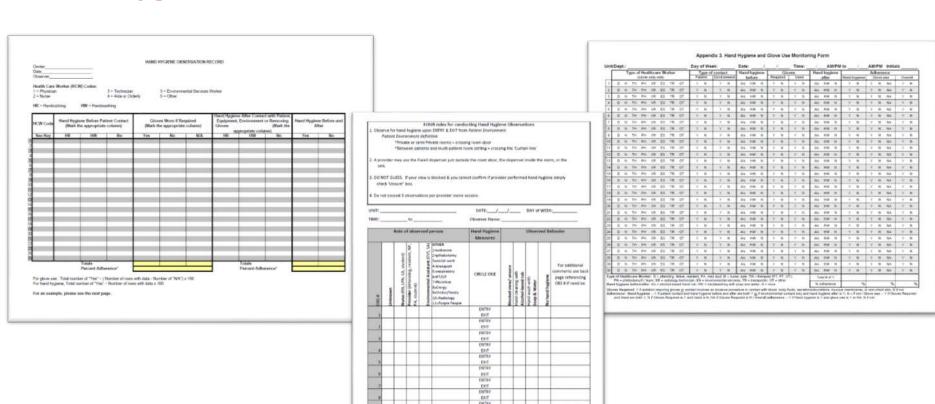
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NHSN Long Term Care Facility Component Table of Instructions

#### Table 6. Instructions for Completion of the Prevention Process Measures Monthly Monitoring for LTCF form (CDC 57.143)

Data Field	Instructions for Form Completion
Facility ID #	The NHSN-assigned facility ID number will be auto-entered by the system.
Month	Required. Enter the 2-digit month during which prevention process measures monitoring was performed.
Year	<b>Required.</b> Enter the 4-digit year during which prevention process measures monitoring was performed.
Location	Required. For Long-term Care Facilities this code will be FacWideIN (Facility-wide

#### **Hand Hygiene Observation Tools**



ENTRY

# LTC Prevention Process Measures Module: Reporting

#### **Reporting Requirements**

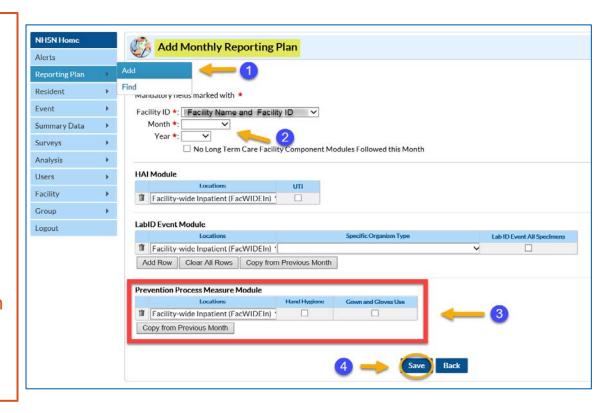
- Facilities must indicate HH and/or GG use surveillance in the Monthly Reporting Plan (MRP) for LTCF
  - > If a MRP has already been saved, it can be edited to add "HH" and/or "GG"
- Perform at least 30 unannounced observations of HCP interactions
- We strongly recommend surveillance should be reported for at least 6 consecutive months to provide meaningful measures
  - HH surveillance should be performed <u>facility-wide</u> and include all types of HCP
  - GG use surveillance should be performed <u>facility-wide</u> for all HCP caring for residents placed in Transmission-Based Contact precautions

### Getting Started with your Monthly Reporting Plan: Add MRP

1. From the navigation bar, select "Reporting Plan", then "Add"

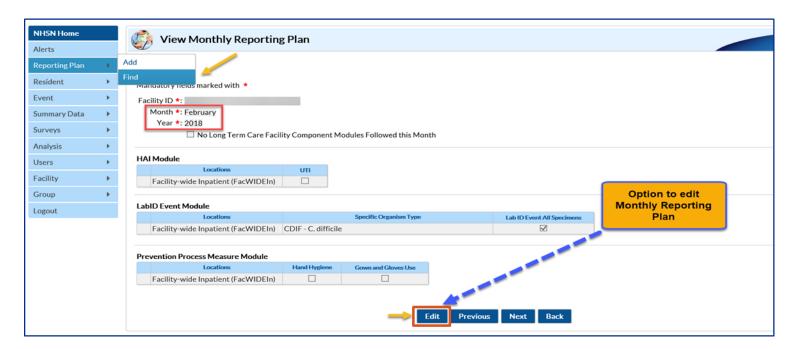
**NOTE**: Reporting location is prepopulated to Facility-wide Inpatient (FacWideIN)

- 2. Indicate the month and year data were collected
- 3. Chose either "HH" and/or "GG" checkbox under the "Prevention Process Measure Module"
- 4. Click "Save"

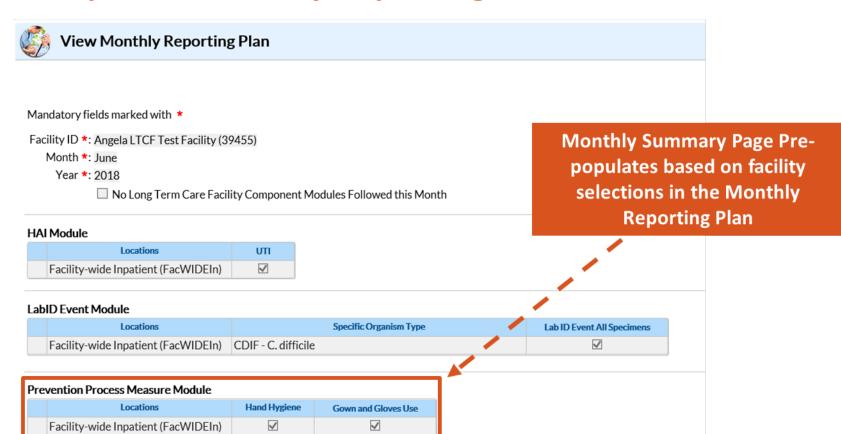


#### **Edit Monthly Reporting Plan**

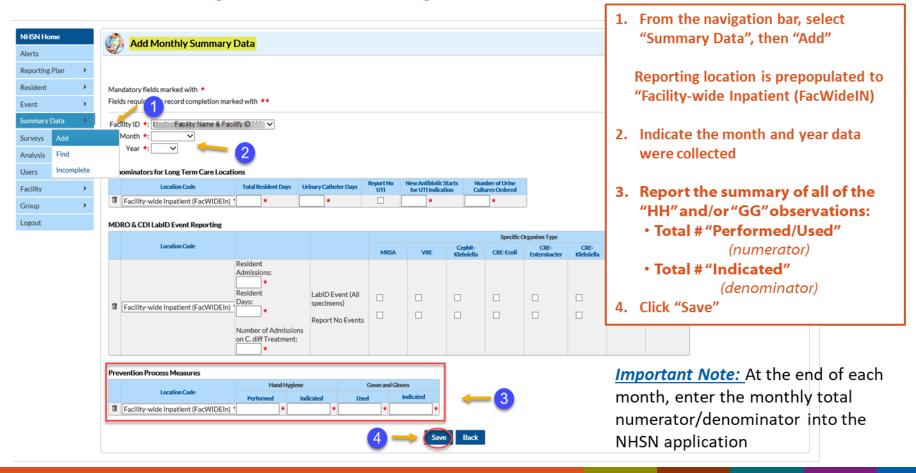
- Plans may be edited to add or remove surveillance selections.
- If event data has already been entered for a selected month, the plan may not be deleted unless the event data is also deleted.



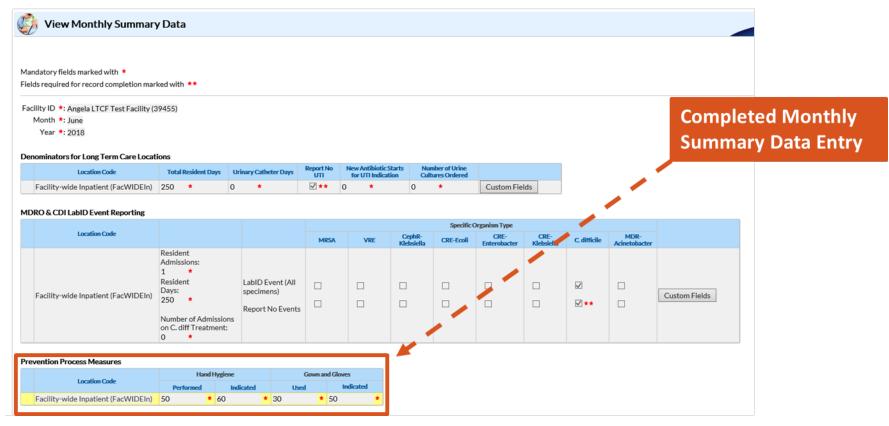
#### **Completed Monthly Reporting Plan**



#### **Time to Report Summary Data:**



#### **Completed Monthly Summary Data**



#### How is this data meaningful?

 To calculate rates of adherence for HH and/or GG use opportunities among all healthcare personnel (HCP) in a facility

To provide feedback to HCP on adherence to HH and/or GG use

 To assess the impact of efforts to improve HH and/or GG use practices by HCP over time

#### **Prevention Process Measures Analysis Dashboard**

 Long Term Care Dashboard Generate New Jun 13 2019 3:49PM MDRO/CDI\* HAI **Prevention Process** View Last 5 ¥ Quarters Prevention Process Measures Adherence 2018Q1 2018Q3 2018Q4 2019Q1 HH GG Print ☑ Hand Hygiene (HH) ☑ Gown and Glove (GG) Footnotes 1. Only completed monthly reports for each guarter is shown 2. Hand Hygiene Adherence Rate = Number of contacts for which hand hygiene was performed / Number of contacts for which hand hygiene was indicated X 100 3. Gown and Glove Use Adherence Rate = Number of contacts for which gown and gloves were used / Number of contacts for which gown and gloves were indicated X 100 Hand Hyriene Gown and Glove Quarter \* Indicated Indicated Performed Adherence Rate Quarter \* Used Adherence Rate 201801 85 90 94,44 201801 87 90 96.67 2018Q2 90 90 100.00 2018Q2 90 90 100.00 2018Q3 90 90 100.00 2018Q3 90 90 100.00 2018Q4 90 90 100.00 2018Q4 90 90 100.00 2019Q1 90 98.89 2019Q1 90 100.00 1. Performed - Total number of observed contacts during which a HCP touch either aresident or 1. Used - Total number of observed contacts between a HCP and a resident or objects/surfaces objects/surface in the immediate vicinity of a resident and appropriate hand hygiene was within a resident's room, when that resident is on Transmission-based Contact Precautions, for which gown and gloves were donned prior to contact 2. Indicated = Total number of observed contacts during which a HCP touch either aresident or 2. Indicated = Total number of observed contacts between a HCP and a resident or objects/surface in the immediate vicinity of a resident where appropriate hand hygiene was objects/surfaces within a resident's room on Transmission-based Contact Precautions, for which gown and gloves were indicated 3. Adherence Rate = Number of contacts for which hand hygiene was performed / Number of 3. Adherence Rate = Number of contacts for which gown and gloves were used / Number of contacts for which hand hygiene was indicated X 100 contacts for which gown and gloves were indicated X 100

#### Let's Review!

- You can perform monitoring of hand hygiene, or gown and gloves use, or both
- To get the most from your data:
  - Minimum reporting is six months during a calendar year
  - Monitoring should include all types of healthcare personnel throughout the entire facility
  - Must enter a minimum of 30 observations per month for each event
- LTCF staff can be trained to perform the observations, collect required data elements, and analyze the data (Staff may include: Professional Nursing Staff, Infection Prevention & Control Staff, LTCF Primary Contact, NHSN Facility Administrator, etc.)

#### **NHSN** Resources

- NHSN Home Page
  - https://www.cdc.gov/nhsn/index.html
- NHSN LTCF Component
  - https://www.cdc.gov/nhsn/ltc/index.html
- LTCF Component Prevention Process Measures Module
  - https://www.cdc.gov/nhsn/ltc/process-measures/index.html

Questions or Need Help? Contact User Support at <a href="mailto:nhsn@cdc.gov">nhsn@cdc.gov</a>

\*\*\*\*All e-mail Inquiries should be sent to nhsn@cdc.gov for triage and delegation



# THANK YOU Questions nhsn@cdc.gov

For more information please contact Centers for Disease Control and Prevention

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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.