Protect Your Residents: The Vital Role of Vaccinations

Overview/Introduction

Influenza
- A contagious respiratory illness caused by influenza viruses.
- Can cause mild to severe illness, and may result in hospitalization or death.
- Eighth leading cause of death in the United States.
- Transmitted through droplet.
- High Risk Populations: Ages 5 and under, ages 65 and over, nursing home residents, pregnancy

Pneumonia
- Pneumococcal disease is a lower respiratory infection caused by Streptococcus pneumoniae bacteria and is one of the most common causes of severe pneumonia.
- Transmitted through direct contact with respiratory secretions.
- Fifth leading cause of death in the U.S.
- High Risk Populations: Ages 2 and under, ages 65 and over, nursing home residents.

Understanding the Quality Measures

Influenza Quality Measure

Percentage of residents assessed and appropriately given the seasonal influenza vaccine (L)

<table>
<thead>
<tr>
<th>Numerator</th>
<th>Denominator</th>
<th>Exclusions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Received the flu vaccine during the most recent influenza season, in facility (O0250A = [1]) or outside the facility (O0250C = [2]).</td>
<td>All long-stay residents with a selected influenza vaccination assessment, except those with exclusions.</td>
<td>Resident’s age on target date of selected target assessment is 179 days or less.</td>
</tr>
<tr>
<td>Offered and declined the flu vaccine (O0250C = [4]).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ineligible due to medical contraindication(s) (O0250C = [3]).</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**Pneumococcal Quality Measure**

Percentage of residents assessed and appropriately given the pneumococcal vaccine (L)

<table>
<thead>
<tr>
<th>Numerator</th>
<th>Denominator</th>
<th>Exclusions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pneumococcal vaccine status is up to date (O0300A = [1]).</td>
<td>All long-stay residents with a selected target assessment.</td>
<td>None.</td>
</tr>
<tr>
<td>Offered and declined pneumococcal vaccine (O0300B = [2]).</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ineligible due to medical contraindication(s) (O0300B = [1]).</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Best Practice Suggestions**

- Make it a standard to ask for flu vaccine information (during flu season) and pneumococcal information when receiving reports from the acute hospital.
- Review all new admissions and check for immunization information within 72 hours.
- Update resident’s vaccination information annually.
- Make resident vaccination information accessible to licensed staff.
- Provide education to staff, residents, and family members about the importance of vaccination.
- Start a performance improvement project (PIP).
- Monitor and track your vaccination data.
- Keep your resources and records up to date.

**Quick Tips**

- The influenza quality measure (QM) is calculated once a year (with a target period of **October 1 of the prior year to June 30 of the current year**) and reports for the October 1 through March 31 influenza vaccination season. (QM Manual V9.0)
- The influenza season varies annually. Flu season starts when the vaccine becomes available in your area.
- The flu season and QM calculation periods are different.
- It is safe to give these two vaccinations simultaneously. Administer these medications at different signs. (RAI O-11)
- If vaccination information is unavailable or unknown, administer vaccine based on standards of clinical practice. (RAI O-11)
- If the resident has a moderate to severe acute illness, he or she should not be vaccinated until his or her condition improves. (RAI-O-11)
- Pneumococcal vaccine is given once in a lifetime, with certain exceptions. Persons 65 years or older should be administered a second dose of pneumococcal vaccine if they received the first dose of vaccine more than five years earlier and were younger than 65 years old at the time of the first dose.
### Find it on the MDS

**O0250: Influenza Vaccine**

<table>
<thead>
<tr>
<th>Code</th>
<th>Question</th>
<th>Action if Influenza Vaccine in this Facility</th>
<th>Action if Not Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>No</td>
<td>Skip to O0250C, Influenza vaccine</td>
<td>State reason</td>
</tr>
<tr>
<td>1</td>
<td>Yes</td>
<td>Continue to O0250B, Date vaccine</td>
<td>received</td>
</tr>
</tbody>
</table>

**B. Date vaccine received**

- Complete date and skip to O0300A, Is the resident’s Pneumococcal vaccination up to date?

<table>
<thead>
<tr>
<th>Month</th>
<th>Day</th>
<th>Year</th>
</tr>
</thead>
</table>

**C. If Influenza vaccine not received, state reason:**

1. Resident not in facility during this year’s flu season
2. Received outside of this facility
3. Not eligible - medical contraindication
4. Offered and declined
5. Not offered
6. Inability to obtain vaccine due to a declared shortage
7. None of the above

### O0300: Pneumococcal Vaccine

<table>
<thead>
<tr>
<th>Code</th>
<th>Question</th>
<th>Action if Pneumococcal Vaccine in this Facility</th>
<th>Action if Not Received</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>No</td>
<td>Continue to O0300B, Pneumococcal vaccine</td>
<td>State reason</td>
</tr>
<tr>
<td>1</td>
<td>Yes</td>
<td>Skip to O0400, Therapies</td>
<td></td>
</tr>
</tbody>
</table>

**B. If Pneumococcal vaccine not received, state reason:**

1. Not eligible - medical contraindication
2. Offered and declined
3. Not offered

### Learn More

- [http://www.cdc.gov/pneumococcal](http://www.cdc.gov/pneumococcal)
- [http://www.cdc.gov/vaccines/vpd-vac/default.htm](http://www.cdc.gov/vaccines/vpd-vac/default.htm)
- Resident Assessment Instrument Manual (MDS 3.0)
- Quality Measures Manual V9.0