



Complete Summary

TITLE

Influenza immunization: percent of applicable patients receiving influenza immunizations (spinal cord injury & disorders [SCI&D] cohort).

SOURCE(S)

Office of Quality and Performance (10Q). FY2002 VHA performance measurement system. Technical Manual. Washington (DC): Veterans Health Administration (VHA); 2002 Mar 8. 137 p.

Brief Abstract

DESCRIPTION

This measure assesses the percentage of patients with a spinal cord injury or disorder that receive influenza immunizations.

RATIONALE

Respiratory impairments are the leading cause of death and leading causes of morbidity in the spinal cord injury and disorder (SCI&D) population. Except for the most caudal levels of injury (or very incomplete injuries), respiratory muscles are weak, cough is less effective, and there are autonomic changes as well that lead to a much higher incidence of respiratory diseases in this population. Influenza and pneumococcal vaccinations reduce risk of respiratory complications and death. Vaccination rates in the Veterans Administration (VA) SCI&D population are low. Thus, the primary objective of this preventive care measure is to increase vaccination rates for influenza and pneumococcal pneumonia in the VA SCI&D population.

PRIMARY CLINICAL COMPONENT

Influenza; immunization

DENOMINATOR DESCRIPTION

Spinal cord injury or disorder patients seen at least once by a physician (MD or DO), physician assistant (PA), or nurse practitioner (NP) at a specified clinic during a 12-month period; and are either over 49 years of age or have one of the following diagnoses: chronic cardiopulmonary disorder, metabolic disease (including diabetes), hemoglobinopathy, renal dysfunction or immunosuppression, or spinal cord injury. Patients who have a life expectancy that does not lend itself to prevention screening are excluded.

NUMERATOR DESCRIPTION

The number of patients from the denominator who received an influenza immunization during the five-month period September 1st through January 31st

Evidence Supporting the Measure

PRIMARY MEASURE DOMAIN

Process

SECONDARY MEASURE DOMAIN

Not applicable

EVIDENCE SUPPORTING THE MEASURE

A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Overall poor quality for the performance measured

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

External oversight/Veterans Health Administration
Internal quality improvement

Application of Measure in its Current Use

CARE SETTING

Ambulatory Care

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Advanced Practice Nurses
Physician Assistants
Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Single Health Care Delivery Organizations

TARGET POPULATION AGE

Age greater than 49 years (or younger if clinically indicated [see "Denominator Inclusions/Exclusions" field])

TARGET POPULATION GENDER

Either male or female

STRATIFICATION BY VULNERABLE POPULATIONS

Unspecified

Characteristics of the Primary Clinical Component

INCIDENCE/PREVALENCE

Unspecified

ASSOCIATION WITH VULNERABLE POPULATIONS

Respiratory impairments are the leading cause of death and leading causes of morbidity in the spinal cord injury and disorder (SCI&D) population.

BURDEN OF ILLNESS

Influenza has been estimated to cause a yearly average of 4.1-4.4 million excess respiratory illnesses and 16.6-17.9 million excess bed and restricted activity days in persons over 20 years of age.

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Staying Healthy

IOM DOMAIN

Effectiveness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

All individuals not already reviewed during the 12-month period who have one of the specified International Classification of Diseases, Ninth Revision (ICD-9) diagnoses (see original measure documentation for details) and visited one of a specified list of outpatient clinics for primary care

DENOMINATOR (INDEX) EVENT

Encounter

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

Spinal cord injury or disorder patients with a specific International Classification of Diseases, Ninth Revision (ICD-9) diagnosis (see original measure documentation for details)

All patients seen at least once within the past 12 months in any one of the following 11 clinics:

- Primary Care
- General Medicine
- Cardiology
- Endocrinology/Metabolism
- Diabetes
- Hypertension
- Pulmonary/Chest
- Women's Clinic
- Spinal Cord Injury (SCI)
- Bedsection 22 (PTF) SCI Inpatient Unit
- SCI Home Care Program

All patients seen in one of the above clinics within the past 12 months and seen by a:

- Physician (MD or DO),
- Physician Assistant (PA), or
- Nurse Practitioner (NP)

All patients older than 49 years of age or patients having any one of the following diagnoses:

- Chronic cardiopulmonary disorder
- Metabolic disease (including diabetes mellitus)
- Hemoglobinopathy
- Renal dysfunction or immunosuppression
- Spinal cord injury

Exclusions

Any of the following exclude the patient from screening for this prevention measure:

- Documented diagnosis of cancer of the esophagus, liver, or pancreas
- Enrolled in a Veterans Health Administration (VHA) or community-based Hospice program
- Documented in the Medical Record a life expectancy less than 6 months

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

Patients meeting denominator criteria in addition to receiving an influenza immunization in the 5-month time period September 1st through January 31st as documented in the medical record by a Current Procedural Terminology (CPT) code 90658 (split virus), 90659 (whole virus) or 90660 (administered intra nasally), or the patient reported receiving an influenza immunization privately (as recorded in a progress note, on a problem list, or a historical event in the Computerized Patient Record System [CPRS])

Exclusions

Unspecified

DENOMINATOR TIME WINDOW

Time window precedes index event

NUMERATOR TIME WINDOW

Fixed time period

DATA SOURCE

Medical record

LEVEL OF DETERMINATION OF QUALITY

Individual Case

PRE-EXISTING INSTRUMENT USED

Unspecified

Computation of the Measure

SCORING

Rate

INTERPRETATION OF SCORE

Better quality is associated with a higher score

ALLOWANCE FOR PATIENT FACTORS

Unspecified

STANDARD OF COMPARISON

Internal time comparison
Prescriptive standard

PRESCRIPTIVE STANDARD

Fiscal year (FY) 2002 performance measure targets:

- Fully successful: 68%
- Exceptional: 74%

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

Unspecified

Identifying Information

ORIGINAL TITLE

Immunizations-influenza (spinal cord injury and disorders cohort).

MEASURE COLLECTION

[Fiscal Year \(FY\) 2002: Veterans Health Administration \(VHA\) Performance Measurement System](#)

MEASURE SET NAME

[Preventive Care](#)

DEVELOPER

Veterans Health Administration

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2001 Nov

REVISION DATE

2002 Mar

MEASURE STATUS

Please note: This measure has been updated. The National Quality Measures Clearinghouse is working to update this summary.

SOURCE(S)

Office of Quality and Performance (10Q). FY2002 VHA performance measurement system. Technical Manual. Washington (DC): Veterans Health Administration (VHA); 2002 Mar 8. 137 p.

MEASURE AVAILABILITY

The individual measure, "Immunizations-Influenza (Spinal Cord Injury and Disorders Cohort)," is published in "FY 2002 VHA Performance Measurement System: Technical Manual."

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NQMC STATUS

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