

**▲Measure #79: Influenza Vaccination in Patients with End Stage Renal Disease (ESRD)**

**DESCRIPTION:**

Percentage of patients aged 18 years and older with a diagnosis of ESRD and receiving dialysis who received the influenza immunization during the flu season (September through February)

**INSTRUCTIONS:**

This measure is to be reported a minimum of once per reporting period for ESRD patients receiving dialysis seen during the reporting period. This measure is intended to determine whether or not ESRD patients receiving dialysis received or had an order for influenza immunization during the flu season. It is anticipated that clinicians providing care for patients with ESRD will submit this measure.

**This measure is reported using CPT Category II codes:**

ICD-9 diagnosis codes, CPT procedure codes, G-codes, and patient demographics (age, gender, etc.) are used to identify patients who are included in the measure's denominator. CPT Category II codes are used to report the numerator of the measure.

When reporting the measure, submit the listed ICD-9 diagnosis codes, CPT procedure codes, G-codes, and the appropriate CPT Category II code **OR** the CPT Category II code **with** the modifier. The modifiers allowed for this measure are: 1P- medical reasons, 2P- patient reasons, 3P- system reasons, 8P- reasons not otherwise specified.

**NUMERATOR:**

Patients who received the influenza immunization during the flu season (September through February)

**Numerator Coding:**

**Influenza Immunization Received**

CPT II 4037F: Influenza immunization ordered or administered

OR

**Influenza Immunization not Received for Medical, Patient, or System Reasons**

Append a modifier (**1P**, **2P**, or **3P**) to CPT Category II code **4037F** to report documented circumstances that appropriately exclude patients from the denominator.

- **1P:** Documentation of medical reason(s) for patient not receiving the influenza immunization
- **2P:** Documentation of patient reason(s) for patient not receiving the influenza immunization
- **3P:** Documentation of system reason(s) for patient not receiving the influenza immunization

OR

**Influenza Immunization not Received, Reason not Specified**

Append a reporting modifier (8P) to CPT Category II code 4037F to report circumstances when the action described in the numerator is not performed and the reason is not otherwise specified.

- **8P:** Influenza immunization not ordered or administered, reason not otherwise specified

**DENOMINATOR:**

All patients aged 18 years and older with a diagnosis of ESRD and receiving dialysis

**Denominator Coding:**

An ICD-9 diagnosis code for ESRD and a G-code or CPT procedure code for dialysis are required to identify patients for denominator inclusion.

**ICD-9 diagnosis codes:** 585.6

**AND**

**CPT procedure codes or G-codes:** 90935, 90937, 90945, 90947, G0314, G0315, G0316, G0317, G0318, G0319, G0322, G0323, G0326, G0327

**RATIONALE:**

Infectious disease is a common cause of death in late-stage kidney disease patients. Immunizing this high risk population is therefore critical to increasing patient well-being and potentially reducing morbidity and mortality. Despite its importance, a review of Medicare billing data has indicated that the ESRD population had a less than 50% immunization rate for the years 1997 to 1998 and 1998 to 1999.

**CLINICAL RECOMMENDATION STATEMENTS:**

Annual influenza vaccine is recommended for all persons aged 65 and older and persons in selected high-risk groups. (B recommendation) (USPSTF)

Vaccination is recommended for the following persons who are at increased risk for complications from influenza: adults and children who have required regular medical follow-up or hospitalization during the preceding year because of chronic metabolic diseases (including diabetes mellitus), renal dysfunction, hemoglobinopathies, or immunosuppression (including immunosuppression caused by medications or by human immunodeficiency virus [HIV]); (CDC).