

## **Background**

The foundation of population health management is descriptive analysis of the demographics, health status and needs of the enrolled population. Profiling the number of provider encounters related to chronic conditions or diseases provides an indicator of the health status of the population and demand for services. Such information assists in designing or purchasing services to prevent the progression of disease. Military Treatment Facility (MTF) based services as case management and evidence-based protocols can then be directed toward high-volume conditions.

## **Chronic Obstructive Pulmonary Disease (COPD) Prevalence**

### **Measure Definition:**

The proportion of MTF enrollees, 18 years and older, with COPD subject to DoD/VA guidelines clinical management.

### **Benchmark:**

N/A

### **Numerator:**

MTF enrollees, 18 years and older, identified (see Data Sources & Codes) as having COPD during the 12 months prior to the end of the reporting period.

### **Denominator:**

All MTF enrollees, 18 years and older, at the time of the reporting period.

### **Data Sources:**

- Defense Eligibility Enrollment Registration System (DEERS)
- Standard Inpatient Data Record (SIDR) (M2)
- Standard Ambulatory Data Record (SADR) (M2)
- Comprehensive Ambulatory/Professional Encounter Record (CAPER)
- Purchased Care Claims Data (NETWORK) (M2)
- Composite Health Care System (CHCS) Managed Care Platform National Enrollment Database (NED) module

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**Methodology:**

- ➔ Use DEERS to identify patients enrolled to MTFs.
- ➔ Use CAPER (M2), SADR(M2) and NETWORK (M2) data to identify patients who have had an outpatient or Emergency Department (ED) visit for chronic obstructive pulmonary disease.
- ➔ Use SIDR (M2) and NETWORK (M2) data to identify patients with hospitalizations for chronic obstructive pulmonary disease.
- ➔ Use CHCS Managed Care Platform NED module ad hoc report to identify Primary Care Manager (PCM).

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**Data Sources & Codes:**Codes to identify patients with COPD:

ICD-9-Codes:

- ➔ 491.20
- ➔ 491.21
- ➔ 492.x
- ➔ 493.2x
- ➔ 496

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**Aggregate Report:**

A table displaying the proportion of COPD as part of the total enrolled population, 18 years and older.

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**Prevalence Report:**

MTF list of all enrolled TRICARE Prime/Plus patients by PCM with at least one outpatient visit for chronic obstructive lung disease.<sup>1</sup>

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**Prevalence Report Data Elements:**

- ➔ ACG RUB (only AF users: see ACG methodology)
- ➔ Patient's name
- ➔ Sponsor's Social Security Number (Sponsor SSN)
- ➔ Family Member Prefix (FMP)
- ➔ Date of Birth
- ➔ Age
- ➔ Gender

- ➔ Beneficiary Category (BENCAT)
- ➔ PCM
- ➔ Provider Group
- ➔ Number of Visits
- ➔ Contact Information
- ➔ Defense Medical Information System (DMIS)
- ➔ Service
- ➔ Notes Detail for COPD and/or Generic Note entered by users

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**Recommended Action**

- ➔ Review chronic disease burden data to project health needs associated with chronic diseases/conditions
- ➔ Consider utilizing condition management programs
- ➔ Consider implementation of DOD/VA (or other) clinical practice guidelines<sup>2</sup>

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**Notes:**

<sup>1</sup> Due to the record reporting lag time, not all of the previous months' records may be included in this reporting period.

<sup>2</sup> DoD/VA guidelines can be located at <https://www.qmo.amedd.army.mil/pguide.htm>