

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.

Hypertension Prevalence

Measure Definition:

The proportion of MTF enrollees with hypertension subject to DoD/VA guidelines clinical management.

Benchmark:

N/A

Numerator:

MTF enrollees identified as having hypertension during the 12 months prior to the end of the reporting period (see Data Sources & Codes).

Denominator:

All MTF enrollees at the end of the reporting period.

Data Sources:

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

Methodology:

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

Data Sources & Codes:ICD-9-CM Codes

- ➔ 401.x
- ➔ 405.x

Use CAPER(M2), SADR (M2) and NETWORK (M2) data to identify patients with at least two outpatient visits on separate encounter dates in the previous 12 months.

Note: Excludes hypertension associated with pregnancy, childbirth, or the puerperium and hypertension involving coronary vessels.

Prevalence Report:

MTF list of all enrolled patients by PCM with at least one outpatient visit for hypertension.¹

Prevalence Report Data Elements:

- ➔ ACG RUB (only AF users: see ACG methodology)
- ➔ Patient's Name
- ➔ Sponsor's Social Security Number
- ➔ Family Member Prefix (FMP)
- ➔ Date of Birth
- ➔ Age
- ➔ Gender
- ➔ Beneficiary Category (BENCAT)
- ➔ PCM
- ➔ Provider Group
- ➔ Number of Visits
- ➔ BP Date
- ➔ Systolic

- ➔ Diastolic
- ➔ Contact Information
- ➔ Defense Medical Information System (DMIS)
- ➔ Notes detail for Hypertension and/or Generic notes entered by users

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 guidelines²

Notes:

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

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