

MHSPHP Background

The Military Health System Population Health Portal (MHSPHP) methodology is based on 2012 Healthcare Effectiveness Data and Information Set (HEDIS®) criteria. These are a set of criteria used to benchmark treatment facilities using a common methodology and should not be confused with clinical practice guidelines.

Use of Imaging Studies for Low Back Pain

Measure Definition:

Percentage of adults age 18-50 enrolled in TRICARE Prime with a primary diagnosis of low back pain who did not have an imaging study (plain X-ray, MRI, CT scan) within 28 days of the diagnosis. Screening intervals vary according to the method of screening.

Benchmark:

HEDIS® 50th-75th-90th percentiles: National Committee for Quality Assurance (NCQA), State of Health Care Quality, 2011.

Benchmark	HEDIS Percentiles (50-75-90)
Use of Imaging Studies for Low Back Pain	74.1%---78.6%---82.0%

Numerator:

Number of adults continuously enrolled in TRICARE Prime, age 18-50, who did NOT have imaging study conducted on the first encounter with a principal diagnosis of low back pain or in the 28 days following that first diagnosis during the measurement period. Imaging studies include X-ray, Magnetic Resonance Imaging (MRI) or X-Ray Computed Tomography(CT Scan). Continuous enrollment is defined as enrolled 180 days (6 months) prior to the initial diagnosis through 28 days after the initial diagnosis, with no gaps in enrollment during the continuous enrollment period.

Denominator:

Number of adults enrolled in TRICARE Prime, ages 18-50, who were continuously enrolled 180 days (6 months) prior to the first diagnosis of low back pain through 28 days after the first diagnosis during the measurement period and no gaps in enrollment during the continuous enrollment period.

Exclusions

Patients with previous history of cancer or evidence of recent trauma, IV drug abuse, or neurologic impairment in the 12 months prior to the first encounter with a principal diagnosis of low back pain are (see exclusion codes below under “Data Sources & Codes”).

Data Sources:

- ➔ Defense Eligibility Enrollment Registration System (DEERS)
- ➔ Composite Health Care System (CHCS) Managed Care Platform National Enrollment Database (NED) module
- ➔ Purchased Care Claims Data (NETWORK) (M2)
- ➔ Standard Ambulatory Data System (SADR) (M2)
- ➔ Comprehensive Ambulatory/Professional Encounter Record (CAPER) (M2)
- ➔ M2_RAD
- ➔ AHLTA Clinical Data Mart (CDM) Historical Procedures

Methodology:

- ➔ Use DEERS to identify enrolled in TRICARE Prime/Plus, age 18-50
- ➔ Use SADR/CAPER/NETWORK (M2) data to identify adults with the first encounter with a principal diagnosis of low back pain during the measurement period
- ➔ Use SADR/CAPER/NETWORK (M2) data to exclude adults with a history of cancer, or a diagnoses of recent trauma, IV drug abuse, or neurologic impairment diagnoses in the 12 months prior to the first encounter with a principal diagnosis of low back pain
- ➔ Use SADR/CAPER/NETWORK/RAD (M2) data to identify adults who had a documented imaging study conducted on the first encounter with a principal diagnosis of low back or in the 28 days following the first encounter during the measurement period
- ➔ Use CDM Historical Procedures to identify adults who had a documented imaging study conducted on the first diagnosis of low back pain or in the 28 days following the first diagnosis

Data Sources & Codes:

ICD-9-CM (Diagnosis) Codes to Identify Low Back Pain Diagnosis

- | | | |
|----------|----------|---------|
| ➔ 721.3 | ➔ 724.03 | ➔ 738.5 |
| ➔ 722.10 | ➔ 724.2 | ➔ 739.3 |
| ➔ 722.32 | ➔ 724.3 | ➔ 739.4 |
| ➔ 722.52 | ➔ 724.5 | ➔ 846, |

- ➔ 722.93 ➔ 724.6 ➔ 847.2
- ➔ 724.02 ➔ 724.7

ICD-9-CM (Diagnosis) to exclude members for Low Back Pain Screening

Description	ICD-9-CM Diagnosis
Cancer	140-209, 230-239, V10
Trauma	800-839, 850-854, 860-869, 905-909, 926.11, 926.12, 929, 952, 958-959
IV Drug Abuse	304.0-304.2, 304.4, 305.4-305.7
Neurologic Impairment	344.60, 729.2

HEDIS® Metrics and Report:

Percentage of adults enrolled in TRICARE Prime, age 18-50, with a primary diagnosis of low back pain who did not have an imaging study (plain X-ray, MRI, CT scan) within 28 days of the diagnosis. Screening intervals vary according to the method of screening.

Prevalence Report:

List of all adults enrolled in TRICARE Prime/Plus age 18-50, by Primary Care Manager (PCM) or TRICARE Region with the date of the first encounter with a principal diagnosis of low back pain along with the imaging study date, system and source conducted on the first encounter or in the 28 days following the first encounter. The action list is based on current DEERS enrollment, in contrast to the HEDIS® aggregate report which specifies continuous enrollment.

Prevalence Report Data Elements:

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

- ➔ PCMID Type*
- ➔ X-ray Date***
- ➔ X-ray System***
- ➔ X-ray Source***
- ➔ MRI Date***
- ➔ MRI System***
- ➔ MRI Source***
- ➔ CT Scan Date***
- ➔ CT Scan System***
- ➔ CT Scan Source***
- ➔ Contact Info**
- ➔ X-ray Count****
- ➔ MRI Count****
- ➔ CT scan Count****
- ➔ Defense Medical Information System (DMIS)
- ➔ TRO*
- ➔ Notes detail for Low Back Pain Imaging and/or Generic notes entered by users

*TRO/MCSC Action lists only

**Direct Care Action Lists only

***Indicates which imaging study was conducted on the first encounter or in the 28 days following the first encounter. Note: one or more studies may have been conducted

****Indicates the number of X-ray, MRI, or CT scans conducted AFTER the imaging study was conducted on the first encounter date or in the 28 days following the first encounter

Notes:

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