



Complete Summary

TITLE

Hypertension diagnosis and treatment: percentage of patients presenting in clinic within the last month for whom patient education about modifiable risk factors has been documented in the medical record.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Hypertension diagnosis and treatment. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2004 Feb. 47 p. [106 references]

Brief Abstract

DESCRIPTION

This measure assesses the percentage of patients with hypertension presenting in clinic within the last month for whom patient education about modifiable risk factors has been documented in the medical record.

RATIONALE

The priority aim addressed by this measure is to increase the percentage of patients with hypertension who receive patient education, especially in the use of non-pharmacological treatments.

PRIMARY CLINICAL COMPONENT

Hypertension; patient education (including non-pharmacological treatments)

DENOMINATOR DESCRIPTION

Total number of patients age 18 and over with hypertension whose medical records are reviewed (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

NUMERATOR DESCRIPTION

Number of patients from the denominator whose medical records contain documentation of discussion of modifiable risk factors (see the related "Numerator Inclusions/Exclusions" field in the Complete Summary)

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

NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Hypertension diagnosis and treatment.](#)

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Unspecified

State of Use of the Measure

STATE OF USE

Current routine use

CURRENT USE

Internal quality improvement

Application of Measure in its Current Use

CARE SETTING

Physician Group Practices/Clinics

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Group Clinical Practices

TARGET POPULATION AGE

Age greater than or equal to 18 years

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

Unspecified

BURDEN OF ILLNESS

Unspecified

UTILIZATION

Unspecified

COSTS

Unspecified

Institute of Medicine National Healthcare Quality Report Categories

IOM CARE NEED

Living with Illness

IOM DOMAIN

Effectiveness
Patient-centeredness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

Total number of patients age 18 and over with hypertension whose medical records are reviewed

Medical groups may generate a list of patients meeting the inclusion criteria. This list would be newly created not less than every 6 to 12 months to remain current. Data may be collected by medical record review. Determine the presence of documentation of a discussion about modifiable risk factors at the clinic visit within the past month.

Randomly selected cases may be reviewed monthly.

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR (INDEX) EVENT

Clinical Condition
Encounter

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

Total number of patients age 18 and over with hypertension whose medical records are reviewed*

*Patients age 18 and over who have had a clinic visit within the past month having primary, secondary, or tertiary International Classification of Diseases, Ninth Revision (ICD-9) codes 401.0, 401.1, and/or 401.9.

Exclusions

Unspecified

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

Number of patients from the denominator whose medical records contain documentation* of discussion of modifiable risk factors

*Documented is defined as any evidence in the medical record that a clinician discussed modifiable risk factors which include: weight reduction and maintenance, moderation of dietary sodium, moderation of alcohol intake, adequate physical activity, the Dietary Approaches to Stop Hypertension (DASH) diet, tobacco avoidance, and drug therapy.

Exclusions

Unspecified

DENOMINATOR TIME WINDOW

Time window precedes index event

NUMERATOR TIME WINDOW

Encounter or point in time

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

Evaluation of Measure Properties

EXTENT OF MEASURE TESTING

Unspecified

Identifying Information

ORIGINAL TITLE

Percentage of patients presenting in clinic within the last month for whom patient education about modifiable risk factors has been documented in the medical record.

MEASURE COLLECTION

[Hypertension Diagnosis and Treatment Measures](#)

DEVELOPER

Institute for Clinical Systems Improvement

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2003 Apr

REVISION DATE

2004 Feb

MEASURE STATUS

This is the current release of the measure.

This measure updates a previous version: Institute for Clinical Systems Improvement (ICSI). Hypertension diagnosis and treatment. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2003 Apr. 47 p.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Hypertension diagnosis and treatment. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2004 Feb. 47 p. [106 references]

MEASURE AVAILABILITY

The individual measure, "Percentage of patients presenting in clinic within the last month for whom patient education about modifiable risk factors has been documented in the medical record," is published in "Health Care Guideline: Hypertension Diagnosis and Treatment." This document is available from the [Institute for Clinical Systems Improvement \(ICSI\) Web site](#).

For more information, contact ICSI at, 8009 34th Avenue South, Suite 1200, Bloomington, MN 55425; phone: 952-814-7060; fax: 952-858-9675; Web site: www.icsi.org; e-mail: icsi.info@icsi.org.

NQMC STATUS

This NQMC summary was completed by ECRI on February 9, 2004. This summary was updated by ECRI on July 27, 2004.

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