



Complete Summary

TITLE

Acute sinusitis in adults: percentage of patients with an office visit for sinusitis given a first-line antibiotic when an antibiotic is prescribed.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Acute sinusitis in adults. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2004 May. 29 p. [67 references]

Brief Abstract

DESCRIPTION

This measure assesses the percentage of patients with an office visit for sinusitis given a first-line antibiotic when an antibiotic is prescribed.

RATIONALE

The priority aim addressed by this measure is to increase the use of first-line antibiotics when indicated for patients diagnosed with sinusitis.

PRIMARY CLINICAL COMPONENT

Acute sinusitis; first-line antibiotics (amoxicillin, trimethoprim-sulfamethoxazole)

DENOMINATOR DESCRIPTION

Number of patients with an office visit for sinusitis prescribed antibiotics (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

NUMERATOR DESCRIPTION

Number of patients in denominator for which a prescription for first-line antibiotics is documented (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

- [Acute sinusitis in adults.](#)

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

Getting Better

IOM DOMAIN

Effectiveness

Data Collection for the Measure

CASE FINDING

Users of care only

DESCRIPTION OF CASE FINDING

Patients age 18 and over

Medical record review. Identify patients with a visit for acute sinusitis made during the target month. A minimum sample of 20 cases per medical group per month is suggested. Larger medical groups may choose to review 10 to 20 cases per site per month.

Data will be collected monthly.

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR (INDEX) EVENT

Clinical Condition
Encounter
Therapeutic Intervention

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

Number of patients with an office visit for sinusitis given antibiotics*

*Number of patients with a visit of acute sinusitis based on International Classification of Diseases, Ninth Revision (ICD-9) codes 461, 461.0, 461.1, 461.2, 461.3, 461.8 and 461.9 who have a prescription for an antibiotic documented and who have not had a visit for sinusitis in the previous 30 days.

Exclusions

Unspecified

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

Number of patients in denominator for which a prescription for first-line antibiotics* is documented

*First-line antibiotics are amoxicillin (Amoxil, Augmentin, Wymox) and trimethoprim-sulfamethoxazole (TMP/SMX, Bactrim, Proloprim, Septra, Trimpep, Trimethoprim).

Exclusions

Unspecified

DENOMINATOR TIME WINDOW

Time window precedes index event

NUMERATOR TIME WINDOW

Encounter or point in time

DATA SOURCE

Administrative data
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 with an office visit for sinusitis given a first-line antibiotic when an antibiotic is prescribed.

MEASURE COLLECTION

[Acute Sinusitis in Adults Measures](#)

DEVELOPER

Institute for Clinical Systems Improvement

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2004 May

MEASURE STATUS

This is the current release of the measure.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Acute sinusitis in adults. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2004 May. 29 p. [67 references]

MEASURE AVAILABILITY

The individual measure, "Percentage of patients with an office visit for sinusitis given a first-line antibiotic when an antibiotic is prescribed," is published in "Health Care Guideline: Acute Sinusitis in Adults." 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 September 29, 2004.

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