



## Complete Summary

---

### TITLE

Uncomplicated urinary tract infection in women: the percentage of women with uncomplicated urinary tract infection (UTI) with a urine culture performed at the initial encounter.

### SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Uncomplicated urinary tract infection in women. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2004 Jul. 21 p. [38 references]

## Brief Abstract

### DESCRIPTION

This measure assesses the percentage of women with uncomplicated urinary tract infection (UTI) with a urine culture performed at the initial encounter.

### RATIONALE

The priority aim addressed by this measure is to decrease the use of urine culture as a guide in therapy of uncomplicated urinary tract infection (UTI).

### PRIMARY CLINICAL COMPONENT

Uncomplicated urinary tract infection (UTI); urine culture

### DENOMINATOR DESCRIPTION

Number of records for adult women ages 18 to 65 with uncomplicated urinary tract infection (UTI) reviewed (see the related "Denominator Inclusions/Exclusions" field in the Complete Summary)

### NUMERATOR DESCRIPTION

Number of records for adult women with uncomplicated urinary tract infection (UTI) with documentation of a urine culture done at the initial encounter (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

- [Uncomplicated urinary tract infection in women.](#)

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 18 to 65 years

TARGET POPULATION GENDER

Female (only)

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

Women ages 18 to 65 with uncomplicated urinary tract infection (UTI)

Medical groups will define the adult women with an encounter for uncomplicated cystitis from their databases, schedules, laboratory log, or whatever method they devise. A random sample of 20 patients seen for this diagnosis during the month will be selected. Each medical record will be reviewed to determine the number of those women receiving a urine culture at the initial encounter.

It is suggested that data are collected monthly. When a medical group's reported data have evidenced a performance level above 90% for 7 measurement periods, that medical group may elect to decrease the frequency of data collection. The decrease in frequency could be from 3 monthly samples to 1 sample collected each quarter.

#### DENOMINATOR SAMPLING FRAME

Patients associated with provider

#### DENOMINATOR (INDEX) EVENT

Clinical Condition  
Encounter

#### DENOMINATOR INCLUSIONS/EXCLUSIONS

##### Inclusions

Number of records for adult women ages 18 to 65 with uncomplicated urinary tract infection (UTI)\* reviewed

\*A UTI is defined by the International Classification of Diseases, Ninth Revision (ICD-9) codes of 595, 595.0, 595.2, 595.3, 595.8, 595.89, 595.9, 599, 599.0.

##### Exclusions

Unspecified

#### NUMERATOR INCLUSIONS/EXCLUSIONS

##### Inclusions

Number of records for adult women with uncomplicated urinary tract infection (UTI) with documentation of a urine culture\* done at the initial encounter

\*The Current Procedure Terminology (CPT-4) codes for urine culture are 87086, 87087, and 87088.

##### Exclusions

Unspecified

#### DENOMINATOR TIME WINDOW

Time window is a single point in time

#### NUMERATOR TIME WINDOW

Encounter or point in time

#### DATA SOURCE

Administrative data  
Laboratory 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 lower 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

The percentage of women with uncomplicated UTI with a urine culture performed at the initial encounter.

#### MEASURE COLLECTION

[Uncomplicated Urinary Tract Infection in Women Measures](#)

DEVELOPER

Institute for Clinical Systems Improvement

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2002 Nov

REVISION DATE

2004 Jul

MEASURE STATUS

This is the current release of the measure.

This measure updates a previous version: Institute for Clinical Systems Improvement (ICSI). Uncomplicated urinary tract infection in women. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2002 Nov. 24 p.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Uncomplicated urinary tract infection in women. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2004 Jul. 21 p. [38 references]

MEASURE AVAILABILITY

The individual measure, "The percentage of women with uncomplicated UTI with a urine culture performed at the initial encounter," is published in "Health Care Guideline: Uncomplicated Urinary Tract Infection in Women." 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](http://www.icsi.org); e-mail: [icsi.info@icsi.org](mailto:icsi.info@icsi.org).

NQMC STATUS

This NQMC summary was completed by ECRI on February 9, 2004. This summary was updated by ECRI on October 11, 2004.

COPYRIGHT STATEMENT

This NQMC summary (abstracted Institute for Clinical Systems Improvement [ICSI] Measure) is based on the original measure, which is subject to the measure developer's copyright restrictions.

The abstracted ICSI Measures contained in this Web site may be downloaded by any individual or organization. If the abstracted ICSI Measures are downloaded by an individual, the individual may not distribute copies to third parties.

If the abstracted ICSI Measures are downloaded by an organization, copies may be distributed to the organization's employees but may not be distributed outside of the organization without the prior written consent of the Institute for Clinical Systems Improvement, Inc.

All other copyright rights in the abstracted ICSI Measures are reserved by the Institute for Clinical Systems Improvement, Inc. The Institute for Clinical Systems Improvement, Inc. assumes no liability for any adaptations or revisions or modifications made to the abstracts of the ICSI Measures.

© 2004 National Quality Measures Clearinghouse

Date Modified: 11/8/2004

**FIRSTGOV**

