



Complete Summary

TITLE

Intrapartum fetal heart rate management: percentage of births with amnioinfusion when either of the following is present: thick meconium or repetitive severe variable decelerations or oligohydramnios.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Intrapartum fetal heart rate management. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2003 Oct. 27 p. [45 references]

Brief Abstract

DESCRIPTION

This measure assesses the percentage of births with amnioinfusion when either of the following is present: thick meconium or repetitive severe variable decelerations or oligohydramnios.

RATIONALE

The priority aim addressed by this measure is to increase the use of remedial techniques that resolve temporary non-reassuring heart rate tracing in labor.

PRIMARY CLINICAL COMPONENT

Pregnancy; fetal heart rate management; amnioinfusion; thick meconium; oligohydramnios

DENOMINATOR DESCRIPTION

Number of births having one or more of the following present: thick meconium, repetitive severe variable decelerations and/or prolonged decelerations. In the case of multiple births at a delivery, the birth event is counted once.

NUMERATOR DESCRIPTION

Number of eligible births with amnioinfusion

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

- [Intrapartum fetal heart rate management.](#)

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

Hospitals

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Individual Clinicians

TARGET POPULATION AGE

Unspecified

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

All births with either of the following present: thick meconium, repetitive severe variable decelerations and/or prolonged decelerations.

Any one of several possible data collection methods may be used by the medical group to capture data for this population.

- Data may be obtained retrospectively by a chart audit (using a minimum sample of 20 charts per month).
- Data may be obtained through discharge abstract coding or other data base from the hospital.
- The hospital may send the medical group a copy of the labor and delivery summary sheet.
- A copy of the nursing checklist form is sent to the medical group for data collection

These data will be collected monthly.

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR (INDEX) EVENT

Clinical Condition
Institutionalization

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

Number of births having one or more of the following present: thick meconium, repetitive severe variable decelerations and/or prolonged decelerations. In the case of multiple births at a delivery, the birth event is counted once.

Exclusions

Unspecified

NUMERATOR INCLUSIONS/EXCLUSIONS

Inclusions

Number of eligible births with amnioinfusion

Exclusions

Unspecified

DENOMINATOR TIME WINDOW

Time window is a single point in time

NUMERATOR TIME WINDOW

Episode of care

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 births with amnioinfusion when either of the following is present:
thick meconium or repetitive severe variable decelerations or oligohydramnios.

MEASURE COLLECTION

[Intrapartum Fetal Heart Rate Management Measures](#)

DEVELOPER

Institute for Clinical Systems Improvement

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2002 Oct

REVISION DATE

2003 Oct

MEASURE STATUS

This is the current release of the measure.

This measure updates a previous version: Institute for Clinical Systems Improvement (ICSI). Intrapartum fetal heart rate management. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2002 Oct. 28 p.

SOURCE(S)

Institute for Clinical Systems Improvement (ICSI). Intrapartum fetal heart rate management. Bloomington (MN): Institute for Clinical Systems Improvement (ICSI); 2003 Oct. 27 p. [45 references]

MEASURE AVAILABILITY

The individual measure, "Percentage of births with amnioinfusion when either of the following is present: thick meconium or repetitive severe variable decelerations or oligohydramnios," is published in "Health Care Guideline: Intrapartum Fetal Heart Rate Management." 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 25, 2003. The information was verified by the measure developer on December 4, 2003. This summary was updated by ECRI on January 8, 2004.

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