



Complete Summary

TITLE

Pediatric acute gastroenteritis: percentage of patients aged 1 month to 5 years of age with a diagnosis of acute gastroenteritis who had documentation of hydration status.

SOURCE(S)

American Academy of Pediatrics, American Academy of Family Physicians, Physician Consortium for Performance Improvement®. Pediatric acute gastroenteritis physician performance measurement set. Chicago (IL): American Medical Association (AMA); 2005 May. 7 p. [1 reference]

Measure Domain

PRIMARY MEASURE DOMAIN

Process

The validity of measures depends on how they are built. By examining the key building blocks of a measure, you can assess its validity for your purpose. For more information, visit the [Measure Validity](#) page.

SECONDARY MEASURE DOMAIN

Does not apply to this measure

Brief Abstract

DESCRIPTION

This measure is used to assess the percentage of pediatric acute gastroenteritis patients with documentation of hydration status.

RATIONALE

According to the American Academy of Pediatrics (AAP) and the U.S. Centers for Disease Control and Prevention (CDC), successful implementation of oral rehydration therapy (ORT) starts with the evaluation of the child's degree of dehydration.

Certain signs and symptoms can quantify the extent of a patient's dehydration. Clinical examination of the child provides an opportunity for physical assessment,

including vital signs, degree of dehydration, a more detailed history, and for providing instructions to the caregivers.

Determining the level of hydration in a child with acute gastroenteritis provides the basis for beginning appropriate oral rehydration therapy, along with assisting the provider in determining the severity of the condition and whether or not the child's condition can be safely managed at home by the parent/caregiver.

PRIMARY CLINICAL COMPONENT

Pediatric acute gastroenteritis; hydration status

DENOMINATOR DESCRIPTION

All patients aged 1 month to 5 years of age with the diagnosis of acute gastroenteritis

NUMERATOR DESCRIPTION

All patients with documentation of hydration status

Evidence Supporting the Measure

EVIDENCE SUPPORTING THE CRITERION OF QUALITY

- A clinical practice guideline or other peer-reviewed synthesis of the clinical evidence

NATIONAL GUIDELINE CLEARINGHOUSE LINK

- [Managing acute gastroenteritis among children: oral rehydration, maintenance, and nutritional therapy.](#)

Evidence Supporting Need for the Measure

NEED FOR THE MEASURE

Use of this measure to improve performance

EVIDENCE SUPPORTING NEED FOR THE MEASURE

Northrup RS, Flanigan TP. Gastroenteritis. *Pediatr Rev*1994 Dec;15(12):461-72. [10 references] [PubMed](#)

State of Use of the Measure

STATE OF USE

Pilot testing

CURRENT USE

Internal quality improvement

Application of Measure in its Current Use**CARE SETTING**

Emergency Medical Services
Hospitals
Physician Group Practices/Clinics

PROFESSIONALS RESPONSIBLE FOR HEALTH CARE

Advanced Practice Nurses
Physicians

LOWEST LEVEL OF HEALTH CARE DELIVERY ADDRESSED

Individual Clinicians

TARGET POPULATION AGE

Age 1 month to 5 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

All patients aged 1 month to 5 years of age with the diagnosis of acute gastroenteritis

DENOMINATOR SAMPLING FRAME

Patients associated with provider

DENOMINATOR INCLUSIONS/EXCLUSIONS

Inclusions

All patients aged 1 month to 5 years of age with the diagnosis of acute gastroenteritis

Exclusions

None

RELATIONSHIP OF DENOMINATOR TO NUMERATOR

All cases in the denominator are equally eligible to appear in the numerator

DENOMINATOR (INDEX) EVENT

Clinical Condition
Encounter

DENOMINATOR TIME WINDOW

Time window is a single point in time

NUMERATOR INCLUSIONS/EXCLUSIONS**Inclusions**

All patients with documentation of hydration status

Exclusions

None

MEASURE RESULTS UNDER CONTROL OF HEALTH CARE PROFESSIONALS, ORGANIZATIONS AND/OR POLICYMAKERS

The measure results are somewhat or substantially under the control of the health care professionals, organizations and/or policymakers to whom the measure applies.

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**

Acute gastroenteritis: documentation of hydration status.

MEASURE COLLECTION

[The Physician Consortium for Performance Improvement® Measurement Sets](#)

MEASURE SET NAME

[Pediatric Acute Gastroenteritis Physician Performance Measurement Set](#)

SUBMITTER

American Medical Association on behalf of the American Academy of Pediatrics, the American Academy of Family Physicians, and the Physician Consortium for Performance Improvement®

DEVELOPER

American Academy of Family Physicians
American Academy of Pediatrics
Physician Consortium for Performance Improvement®

FUNDING SOURCE(S)

Unspecified

COMPOSITION OF THE GROUP THAT DEVELOPED THE MEASURE

James Berman, MD, FAAP (*Co-Chair*); Michael Goldberg, MD (*Co-Chair*); Bruce Bagley, MD; David Classen, MD; Todd Davis, MD, FAAP; Debra Esser, MD; David G. Jaimovich, MD; Eric Handler, MD, MPH; Mark Hostetler, MD, MPH; Lowell Keppel, MD, CPE, FACPE, FAAFP; Samuel Kocoshis, MD; Marlene Miller, MD, MSc, FAAP; Heather Palmer, MD, BCh, SM, FAAP; Sam J.W. Romeo, MD, MBA; Cheri Throop; Robert Walker, MD, FAAP; Josie Williams, MD, MMM

Raquel Gabriel-Bennowitz (JCAHO), Liaison; Phill Renner (NCQA), Liaison

Junelle Speller, MPH, American Academy of Pediatrics

Janet Leiker, American Academy of Family Physicians

Erin O. Kaleba, MPH, American Medical Association; Karen Kmetik, PhD, American Medical Association

Rebecca Kresowik, Consultant; Timothy Kresowik, MD, Consultant

FINANCIAL DISCLOSURES/OTHER POTENTIAL CONFLICTS OF INTEREST

Conflicts, if any, are disclosed in accordance with the Physician Consortium for Performance Improvement® conflict of interest policy.

ADAPTATION

Measure was not adapted from another source.

RELEASE DATE

2005 May

MEASURE STATUS

This is the current release of the measure.

SOURCE(S)

American Academy of Pediatrics, American Academy of Family Physicians, Physician Consortium for Performance Improvement®. Pediatric acute gastroenteritis physician performance measurement set. Chicago (IL): American Medical Association (AMA); 2005 May. 7 p. [1 reference]

MEASURE AVAILABILITY

The individual measure, "Acute Gastroenteritis: Documentation of Hydration Status," is published in the "Clinical Performance Measures: Pediatric Acute Gastroenteritis." This document and technical specifications are available in Portable Document Format (PDF) from the American Medical Association (AMA)-convened Physician Consortium for Performance Improvement® Web site: www.physicianconsortium.org.

For further information, please contact AMA staff by e-mail at cqi@ama-assn.org.

NQMC STATUS

This NQMC summary was completed by ECRI Institute on December 6, 2006. The information was verified by the measure developer on October 23, 2006.

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