



## Complete Summary

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### TITLE

Pediatric acute gastroenteritis: percentage of patients aged 1 month to 5 years of age with a diagnosis of acute gastroenteritis whose parent/caregiver received education on diet and when to contact the physician.

### 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 whose parent/caregiver received education on diet and when to contact the physician.

### RATIONALE

According to the American Academy of Pediatrics (AAP) and the U.S. Centers for Disease Control and Prevention (CDC), as soon as dehydration is corrected, feeding should begin.

Breastfed infants should continue nursing on demand. Formula-fed infants should continue their usual formula immediately upon rehydration in amounts sufficient

to satisfy energy and nutrient requirements. Children receiving solid foods should continue to receive their usual diet during episodes of diarrhea.

Caregivers should be encouraged to return for medical attention if they have any concerns, if they are not sure that rehydration is proceeding well, or if new or worsening symptoms develop.

Successful home management of dehydration associated with acute gastroenteritis is dependent upon the parent/caregiver receiving proper education. Instructions regarding the frequency of administration of appropriate oral hydration solutions (ORS), continuation of regular diet, and when the parent/caregiver should contact the physician are all topics that should be covered prior to discharging the child home with the parent/caregiver.

### **PRIMARY CLINICAL COMPONENT**

Pediatric acute gastroenteritis; parent/caregiver education; diet; when to contact the physician

### **DENOMINATOR DESCRIPTION**

All patients aged 1 month to 5 years of age with the diagnosis of acute gastroenteritis seen in the ambulatory setting\*

\*Ambulatory setting is defined as seen in the physician office or emergency department and discharged home.

### **NUMERATOR DESCRIPTION**

All patients whose parent/caregiver received education on diet and when to contact the physician

## **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](#)

Practice parameter: the management of acute gastroenteritis in young children. American Academy of Pediatrics, Provisional Committee on Quality Improvement, Subcommittee on Acute Gastroenteritis. *Pediatrics*1996 Mar;97(3):424-35. [PubMed](#)

Snyder JD. Use and misuse of oral therapy for diarrhea: comparison of US practices with American Academy of Pediatrics recommendations. *Pediatrics*1991 Jan;87(1):28-33. [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 seen in the ambulatory setting\*

\*Ambulatory setting is defined as seen in the physician office or emergency department and discharged home.

### **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 whose parent/caregiver received education on diet and when to contact the physician

### **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: education.

#### **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**

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**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: Education," 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](http://www.physicianconsortium.org).

For further information, please contact AMA staff by e-mail at [cqi@ama-assn.org](mailto: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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