

**PEDIATRIC ACUTE GASTROENTERITIS (PAG)**  
**Algorithm for Measures Calculation – EHRS**  
**(Analytic Narrative and Data Elements)**

**PATIENT SELECTION CRITERIA**

Include if **ALL** the following criteria are met:

- At least two **face-to-face office visits** with the physician, physicians' assistant, or nurse practitioner during the measurement time period
- Is **aged 1 month to 5 years of age** at the beginning of the measurement time period
- Patient has a **documented diagnosis** of Acute Gastroenteritis

➤ *List of Data Elements located in Appendix A*

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These Measures are intended to assist physicians in enhancing quality of care. Measures are designed for use by any physician who manages the care of a patient for a specific condition or for prevention. These performance Measures are not clinical guidelines and do not establish a standard of medical care. The Consortium has not tested its Measures for all potential applications. The Consortium encourages the testing and evaluation of its Measures.

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**PEDIATRIC ACUTE GASTROENTERITIS (PAG)**  
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**(Analytic Narrative and Data Elements)**

At least two face-to-face office visits with physician, physicians' assistant, or nurse practitioner occurring during the measurement time period.

<b>ENCOUNTER CODE (C4)</b>
99201-99205, 99212-99215,
99241-99245,
99281-99285, 99381-99383,
99391-99393

**AND**

Patient is aged 1 month to 5 years of age at the beginning of the measurement time period.

**AND**

Patient has a documented diagnosis of Acute Gastroenteritis.

<b>DX CODE (I9)</b>
003.0, 004.9, 005.0, 005.9, 007.1, 007.8, 007.9,
008.00, 008.01, 008.02, 008.09, 008.2, 008.3,
008.41, 008.42, 008.43, 008.44, 008.49, 008.5,
008.61, 008.62, 008.63, 008.64, 008.65, 008.66, 008.67,
008.69, 008.8, 009.0, 009.1, 556.9

## PEDIATRIC ACUTE GASTROENTERITIS (PAG)

### Algorithm for Measures Calculation – EHRS

#### (Analytic Narrative and Data Elements)

**Documentation of Hydration Status (PAG-1): Percentage of patients aged 1 month to 5 years of age with a diagnosis of acute gastroenteritis who had documentation of hydration status**

**Measurement Period: Twelve consecutive months**

**Denominator: All patients aged 1 month to 5 years of age with a diagnosis of acute gastroenteritis**

#### Denominator Inclusions

All patients with a documented diagnosis of acute gastroenteritis and aged 1 month to 5 years of age at the beginning of the measurement period. TOPIC\_EVALUATION\_CODES Table lists applicable CPT (C4) and ICD-9 (I9) codes for inclusion:

ENCOUNTER CODE (C4)
99201-99205, 99212-99215,
99241-99245
99281-99285, 99381-99383,
99391-99393

**AND**

DX CODE (I9)
003.0, 004.9, 005.0, 005.9, 007.1, 007.8, 007.9,
008.00, 008.01, 008.02, 008.09, 008.2, 008.3,
008.41, 008.42, 008.43, 008.44, 008.49, 008.5,
008.61, 008.62, 008.63, 008.64, 008.65, 008.66, 008.67,
008.69, 008.8, 009.0, 009.1, 556.9

**PEDIATRIC ACUTE GASTROENTERITIS (PAG)  
Algorithm for Measures Calculation – EHRS  
(Analytic Narrative and Data Elements)**

**Numerator: Patients with documentation of hydration status**

Numerator Inclusions

Patients with documentation of hydration status.

TOPIC\_EVALUATION\_CODES Table lists applicable CPT Category II (C4) and SNOMED (SNM) codes for inclusion:

HYDRATION STATUS CODE (C4)
2030F, 2031F

**OR**

HYDRATION STATUS CODE (SNM)
26669000, 34095006, 37472003,
162685008, 190894003, 190896001,
268940004, 297956000, 300397004,
312450001, 385745009, 405006006

## PEDIATRIC ACUTE GASTROENTERITIS (PAG)

### Algorithm for Measures Calculation – EHRS

#### (Analytic Narrative and Data Elements)

**Weight Measurement (PAG-2): Percentage of patients aged 1 month to 5 years of age with a diagnosis of acute gastroenteritis who had weight measurement recorded**

**Measurement Period: Twelve consecutive months**

**Denominator: All patients aged 1 month to 5 years of age with a diagnosis of acute gastroenteritis**

#### Denominator Inclusions

All patients with a documented diagnosis of acute gastroenteritis and aged 1 month to 5 years of age at the beginning of the measurement period.

TOPIC\_EVALUATION\_CODES Table lists applicable CPT (C4) and ICD-9 (I9) codes for inclusion:

ENCOUNTER CODE (C4)
99201-99205, 99212-99215,
99241-99245,
99281-99285, 99381-99383,
99391-99393

AND

DX CODE (I9)
003.0, 004.9, 005.0, 005.9, 007.1, 007.8, 007.9,
008.00, 008.01, 008.02, 008.09, 008.2, 008.3,
008.41, 008.42, 008.43, 008.44, 008.49, 008.5,
008.61, 008.62, 008.63, 008.64, 008.65, 008.66, 008.67,
008.69, 008.8, 009.0, 009.1, 556.9

**PEDIATRIC ACUTE GASTROENTERITIS (PAG)  
Algorithm for Measures Calculation – EHRS  
(Analytic Narrative and Data Elements)**

**Numerator: Patients who had their weight measurement recorded**

**Numerator Inclusions**

Patients who had their weight measurement recorded.

TOPIC\_EVALUATION\_CODES Table lists applicable CPT Category II (C4) and SNOMED (SNM) codes for inclusion:

<b>WEIGHT MEASUREMENT CODE (C4)</b>
2001F

**OR**

<b>WEIGHT MEASUREMENT CODE (SNM)</b>
27113001, 363809009

**PEDIATRIC ACUTE GASTROENTERITIS (PAG)  
Algorithm for Measures Calculation – EHRS  
(Analytic Narrative and Data Elements)**

**Recommendation of Appropriate Oral Rehydration Solution (PAG-3): Percentage of patients 1 month to 5 years of age with a diagnosis of acute gastroenteritis for whom an appropriate oral rehydration solution was recommended**

**Measurement Period: Twelve consecutive months**

**Denominator: All patients aged 1 month to 5 years of age with a diagnosis of acute gastroenteritis seen in the ambulatory setting (eg, physician office, or treated in the emergency department and discharged to home)**

**Denominator Inclusions**

All patients with a documented diagnosis of acute gastroenteritis and aged 1 month to 5 years of age at the beginning of the measurement period.

TOPIC\_EVALUATION\_CODES Table lists applicable CPT (C4) and ICD-9 (I9) codes for inclusion:

<b>ENCOUNTER CODE (C4)</b>
99201-99205, 99212-99215,
99241-99245,
99281-99285, 99381-99383,
99391-99393

**AND**

<b>DX CODE (I9)</b>
003.0, 004.9, 005.0, 005.9, 007.1, 007.8, 007.9,
008.00, 008.01, 008.02, 008.09, 008.2, 008.3,
008.41, 008.42, 008.43, 008.44, 008.49, 008.5,
008.61, 008.62, 008.63, 008.64, 008.65, 008.66, 008.67,
008.69, 008.8, 009.0, 009.1, 556.9

**AND**

<b>HYDRATION STATUS CODE (C4)</b>
2031F

**PEDIATRIC ACUTE GASTROENTERITIS (PAG)**  
**Algorithm for Measures Calculation – EHRS**  
**(Analytic Narrative and Data Elements)**

**Numerator: Patients for whom an appropriate oral rehydration solution was recommended**

**Numerator Inclusion**

Patients for whom an appropriate oral rehydration solution was recommended.

TOPIC\_EVALUATION\_CODES Table lists an applicable CPT Category II (C4) and SNOMED (SNM) codes for inclusion:

REHYDRATE THERAPY CODE (C4)
4056F

**OR**

REHYDRATE THERAPY CODE (SNM)
243221009, 281798001, 409585005

**Denominator Exclusion** (*Exclusions only applied if the patient was admitted to the hospital OR was hydrated initially.*)

TOPIC\_MEDICAL\_EXCLUSION Table lists an applicable CPT Category II (C4) code for exclusion:

**Other medical reason documented for not receiving an appropriate rehydration solution (ie, patient admitted to hospital)**

HYDRATION STATUS CODE (C4)
2030F

**OR**

MEDICAL REASON CODE (C4)
4056F 1P

## PEDIATRIC ACUTE GASTROENTERITIS (PAG)

### Algorithm for Measures Calculation – EHRS

#### (Analytic Narrative and Data Elements)

**Education (PAG-4):** Percentage of patients 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

**Measurement Period:** Twelve consecutive months

**Denominator:** All patients 1 month to 5 years of age with a diagnosis of acute gastroenteritis seen in the ambulatory setting (eg, physician office or treated in the emergency department and regarding diet and discharged to home)

#### Denominator Inclusions

All patients with a documented diagnosis of acute gastroenteritis and aged 1 month to 5 years of age at the beginning of the measurement period.

TOPIC\_EVALUATION\_CODES Table lists applicable CPT (C4) and ICD-9 (I9) codes for inclusion:

ENCOUNTER CODE (C4)
99201-99205, 99212-99215,
99241-99245,
99281-99285, 99381-99383,
99391-99393

**AND**

DX CODE (I9)
003.0, 004.9, 005.0, 005.9, 007.1, 007.8, 007.9,
008.00, 008.01, 008.02, 008.09, 008.2, 008.3,
008.41, 008.42, 008.43, 008.44, 008.49, 008.5,
008.61, 008.62, 008.63, 008.64, 008.65, 008.66, 008.67,
008.69, 008.8, 009.0, 009.1, 556.9

**PEDIATRIC ACUTE GASTROENTERITIS (PAG)**  
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**Numerator: Patients whose parent/caregiver received education on diet and when to contact the physician**

**Numerator Inclusion**

TOPIC\_EVALUATION\_CODES Table lists applicable CPT Category II (C4) codes for inclusion:

<b>EDUCATE CAREGIVER CODE (C4)</b>
4058F

**Appendix A**  
**PAG MEASURES WITH CORRESPONDING DATA ELEMENTS**

Ambulatory Care Measure	Short Name	Description
<b>PAG-1 Documentation of Hydration Status</b>		
	TOPIC TYPE	Topic that is being reported on
	TOPIC INDICATOR	The specific indicator or measure
	BIRTHDATE	Birth date
	MEASURE START DATE	Date the measurement period begins
	MEASURE END DATE	Date the measurement period ends
	ENCOUNTER CODING SYSTEM	Type of coding system applicable to face-to-face office visit (CPT4)
	ENCOUNTER CODE	Code used for encounter
	ENCOUNTER DATE	Date of encounter
	DX CODING SYSTEM	Type of coding system applicable to the diagnosis code (ICD9)
	DX CODE	Diagnosis code
	DX DATE	Date of diagnosis
	HYDRATION STATUS CODING SYSTEM	Type of coding system applicable for a hydration status code (CPT Category II, SNOMED)
	HYDRATION STATUS CODE	Code used for a hydration status
	HYDRATION STATUS DATE	Date a hydration status was documented

Shaded data elements apply to each measure

**Appendix A**  
**PAG MEASURES WITH CORRESPONDING DATA ELEMENTS**

Ambulatory Care Measure	Short Name	Description
<b>PAG-2 Weight Measurement</b>		
	TOPIC TYPE	Topic that is being reported on
	TOPIC INDICATOR	The specific indicator or measure
	BIRTHDATE	Birth date
	MEASURE START DATE	Date the measurement period begins
	MEASURE END DATE	Date the measurement period ends
	ENCOUNTER CODING SYSTEM	Type of coding system applicable to face-to-face office visit (CPT4)
	ENCOUNTER CODE	Code used for encounter
	ENCOUNTER DATE	Date of encounter
	DX CODING SYSTEM	Type of coding system applicable to the diagnosis code (ICD9)
	DX CODE	Diagnosis code
	DX DATE	Date of diagnosis
	WEIGHT MEASUREMENT CODING SYSTEM	Type of coding system applicable for a weight measurement code (CPT Category II, SNOMED)
	WEIGHT MEASUREMENT CODE	Code used for a weight measurement
	WEIGHT MEASUREMENT DATE	Date a weight measurement was documented

Shaded data elements apply to each measure

**Appendix A**  
**PAG MEASURES WITH CORRESPONDING DATA ELEMENTS**

Ambulatory Care Measure	Short Name	Description
<b>PAG-3 Recommendation of Appropriate Oral Rehydration Solution</b>		
	TOPIC TYPE	Topic that is being reported on
	TOPIC INDICATOR	The specific indicator or measure
	BIRTHDATE	Birth date
	MEASURE START DATE	Date the measurement period begins
	MEASURE END DATE	Date the measurement period ends
	ENCOUNTER CODING SYSTEM	Type of coding system applicable to face-to-face office visit (CPT4)
	ENCOUNTER CODE	Code used for encounter
	ENCOUNTER DATE	Date of encounter
	DX CODING SYSTEM	Type of coding system applicable to the diagnosis code (ICD9)
	DX CODE	Diagnosis code
	DX DATE	Date of diagnosis
	REHYDRATE THERAPY CODING SYSTEM	Type of coding system applicable for a rehydration therapy code (CPT Category II, SNOMED)
	REHYDRATE THERAPY CODE	Code used for rehydration therapy
	REHYDRATE THERAPY DATE	Date recommendation for rehydration therapy was documented
	MEDICAL REASON CODING SYSTEM	Type of coding system was applicable for a medical reason code (CPT Category II)
	MEDICAL REASON CODE	Code used for a medical reason
	MEDICAL REASON DATE	Date a medical reason was documented

Shaded data elements apply to each measure

**Appendix A**  
**PAG MEASURES WITH CORRESPONDING DATA ELEMENTS**

Ambulatory Care Measure	Short Name	Description
<b>PAG-4 Education</b>		
	TOPIC TYPE	Topic that is being reported on
	TOPIC INDICATOR	The specific indicator or measure
	BIRTHDATE	Birth date
	MEASURE START DATE	Date the measurement period begins
	MEASURE END DATE	Date the measurement period ends
	ENCOUNTER CODING SYSTEM	Type of coding system applicable to face-to-face office visit (CPT4)
	ENCOUNTER CODE	Code used for encounter
	ENCOUNTER DATE	Date of encounter
	DX CODING SYSTEM	Type of coding system applicable to the diagnosis code (ICD9)
	DX CODE	Diagnosis code
	DX DATE	Date of diagnosis
	EDUCATE CAREGIVER CODING SYSTEM	Type of coding system applicable for a caregiver education code (CPT Category II)
	EDUCATE CAREGIVER CODE	Code used for caregiver education
	EDUCATE CAREGIVER DATE	Date caregiver education was documented

Shaded data elements apply to each measure