

## Sickle Cell Disease

### **Measure 8: Anticipatory Guidance Regarding School Attendance/Performance for Children with Sickle Cell Disease**

#### **Description**

The percentage of children 5 through 17 years of age identified as having Sickle Cell Disease who received anticipatory guidance regarding school attendance/performance as part of outpatient care during the measurement year. A higher proportion indicates better performance as reflected by appropriate guidance.

#### **Calculation**

This measure requires medical record data and is calculated as follows:

The percentage of eligible children who received anticipatory guidance regarding school attendance (numerator divided by denominator).

#### **Definitions**

<b>Intake period</b>	January 1 through December 31 of the measurement year.
<b>Anticipatory guidance</b>	Any written or face-to-face verbal communication regarding school attendance or school performance as part of outpatient care with patient, parent, or family member.
<b>Outpatient care</b>	A Health Maintenance Exam (HME) or an Evaluation and Management (E&M) visit with primary care provider or a specialist (see Table 8-A).

**Table 8-A: Codes to Identify Ambulatory or Preventive Care Visits**

Description	CPT	HCPCS	ICD-9-CM Diagnosis
Office or other outpatient services	99201-99205, 99211-99215, 99241-99245		
Preventive medicine	99381-99385, 99391-99395, 99401-99404, 99411-99412, 99420, 99429	G0438, G0439	
General medical examination			V20.2, V70.0, V70.3, V70.5, V70.6, V70.8, V70.9

#### **Eligible Population**

The determination of eligible population for this measure requires medical record data.

<b>Ages</b>	Five through 17 years of age during measurement year
<b>Event/Diagnosis</b>	Diagnosed with sickle cell disease as documented in the medical record (see Table 8-B).

NOTE: See exclusions noted below; there are several sickle cell variants that may be recorded under the 282.49 ICD-9 code that do not qualify for inclusion (see Table 8-C). Medical records for cases with ICD-9 code 282.49 should not be reviewed unless a diagnosis of Hb beta zero-thalassemia can be confirmed.

**Table 8-B: Codes to Identify Sickle Cell Disease**

Condition Name	Hemoglobin Screening Result	ICD-9 Code(s)
<a href="#">Hb beta zero-thalassemia</a>	Hb F only	282.49
<a href="#">Hb S beta-thalassemia</a>	Hb F,S,A	282.41, 282.42
<a href="#">Hb SC-disease</a>	Hb F,S,C	282.63, 282.64
<a href="#">Hb SD-disease</a>	Hb F,S,D	282.68, 282.69
<a href="#">Hb SS-disease (sickle cell anemia)</a>	Hb F,S	282.6, 282.61, 282.62

## Specification

<b>Denominator</b>	The eligible population for the numerator is the number of children 5 through 17 years of age with SCD who received anticipatory guidance regarding school attendance and performance as part of outpatient care during the measurement year.
<b>Numerator</b>	The eligible population for the numerator is the number of children 5 through 17 years of age with SCD who received anticipatory guidance regarding school attendance and performance as part of outpatient care during the measurement year.

Documentation in medical record must include, at a minimum, a note containing the date on which verbal or written anticipatory guidance was provided.

## Exclusions

- Inpatient stays, emergency department visits, urgent care visits.
- Children with diagnosis in the sampled medical record indicating one of the sickle cell disease variants listed in Table 8-C should not be included in the eligible population *unless* there is also a diagnosis for a sickle cell variant listed in Table 8-B.

**Table 8-C: Excluded Sickle Cell Disease Diagnosis Codes**

Condition Name	Hemoglobin Screening Result	ICD-9 Code(s)
<a href="#">Hb C beta-thalassemia</a>	Hb F,C,A	282.49
<a href="#">Hb D beta-thalassemia</a>	Hb F,D,A	282.49
<a href="#">Hb E beta-thalassemia</a>	Hb F,E,A	282.49
<a href="#">Hb C-disease</a>	Hb F,C	282.7
<a href="#">Hb E-disease</a>	Hb F,E	282.7
<a href="#">Hb H-disease</a>	Hb F,H	282.49
<a href="#">Hb SE-disease</a>	Hb F,S,E	282.68, 282.69
<a href="#">Hb C-carrier</a>	Hb F,A,C	282.7
<a href="#">Hb D-carrier</a>	Hb F,A,D	282.7
<a href="#">Hb E-carrier</a>	Hb F,A,E	282.7
<a href="#">Hb S (sickle)-carrier</a>	Hb F,A,S	282.5