

Q-METRIC Sickle Cell Disease Measure 2: Timeliness of Antibiotic Prophylaxis for Children with Sickle Cell Disease

Graphics for Section I. Basic Measurement Information

I.G. Numerator Statement

Table 1: Codes to Identify Sickle Cell Disease

Condition Name	Hemoglobin Screening Result	ICD-9 Code(s)
Hb S beta-thalassemia	Hb F,S,A	282.41, 282.42
Hb SS-disease (sickle cell anemia)	Hb F,S	282.6, 282.61, 282.62
Hb SV-disease (unidentified variant)	Hb FSV	n/a

Table 2: Penicillins and Erythromycins for Sickle Cell Disease Antibiotic Prophylaxis

Description	Prescription
Aminopenicillins	Amoxicillin Ampicillin
Beta-lactamase inhibitors	Amoxicillin-clavulanate
Macrolides	Azithromycin Erythromycin ethylsuccinate Erythromycin Erythromycin stearate Erythromycin estolate
Miscellaneous antibiotics	Erythromycin-sulfisoxazole Vancomycin
Natural penicillins	Penicillin V potassium

I.H. Numerator Exclusions (as appropriate)

Table 3: Excluded Initial Sickle Cell Disease Hemoglobin Screening Results

Condition Name	Hemoglobin Screening Result	ICD-9 Code(s)
Hb beta zero-thalassemia	Hb F only	282.49
Hb C-disease	Hb F,C	282.7
Hb C beta-thalassemia	Hb F,C,A	282.49
Hb D beta-thalassemia	Hb F,D,A	282.49
Hb E beta-thalassemia	Hb F,E,A	282.49
Hb E-disease	Hb F,E	282.7
Hb H-disease	Hb F,H	282.49
Hb SE-disease	Hb F,S,E	282.68, 282.69
Hb C-carrier	Hb F,A,C	282.7
Hb D-carrier	Hb F,A,D	282.7
Hb E-carrier	Hb F,A,E	282.7
Hb S (sickle)-carrier	Hb F,A,S	282.5

Note: Excluded screening results include hemoglobin variants that are either not associated with clinical manifestations or indicate sickle cell carrier status only.