

Sickle Cell Disease Codebook—Outpatient

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
1	T	.	id	Char	8	.	.	.	
2	T	.	Completed	Date	10	.	.	.	
3	T	.	LastPageSeen	Char	4	.	1	.	
4	T	.	StartLanguage	Char	4	.	En - English	.	
5	T	.	DateLastAction	Date	10	.	.	.	
6	T	.	DateStarted	Date	10	.	.	.	
7	A	.	CorrectRecord	Y/N	8	Is this the correct medical record?	Yes No	.	
8	A	.	CorrectRecordComment	Char	160	Comments:	.	.	
9	A	.	DOB	Date	10	Please enter the patient's date of birth.	1/1/1994 - 12/31/2011 (for valid records) Hb SS-disease - sickle cell anemia (Hb F,S) Hb SC-disease (Hb F,S,C) Hb SD-disease (Hb F,S,D) Hb SE-disease (Hb F,S,E) Hb C-disease (Hb F,C) Hb E-disease (Hb F,E) Hb H-disease (Hb F,H) Hb beta zero-thalassemia (Hb F only)	.	
10	A	.	CorrectDiagnosis	Char	48	Please record the variant and date of the first sickle cell disease diagnosis	Hb S beta-thalassemia (Hb F,S,A) Hb C beta-thalassemia (Hb F,C,A) Hb D beta-thalassemia (Hb F,D,A) Hb E beta-thalassemia (Hb F,E,A) Hb S (sickle)-carrier (Hb F,A,S) Hb C-carrier (Hb F,A,C) Hb D-carrier (Hb F,A,D) Hb E-carrier (Hb F,A,E) None	.	
11	A	.	CorrectDiagnosisOther	Char	48	.	.	.	
12	A	.	DiagnosisDate	Date	10	Date of first sickle cell disease diagnosis:	1/1/2012 - 12/31/2012	.	
13	A	.	GetRecID	Char	12	.	.	.	This is the medical record number
14	A	.	HadBoneMarrowTrans	Y/N	4	Has the patient undergone a bone marrow transplant?	Yes No	.	
15	A	.	DOBtimestamp	Num	8	.	.	.	
16	A	.	DOByear	Char	8	.	.	.	
17	A	.	Died	Y/N	4	Was there a date of death for the patient this year?	Yes No	.	
18	A	.	DOD	Char	10	Date of death:	1/1/2012 - 12/31/2012	.	
19	A	3	M3YesNo	Y/N	4	Is there an antibiotic prophylaxis?	Yes No	.	
20	A	3	AntibioticDate	Date	10	Date of first antibiotic prophylaxis prescription:	1/1/2012 - 12/31/2012 Amoxicillin Ampicillin Amoxicillin-clavulanate Azithromycin Erythromycin ethylsuccinate Erythromycin Erythromycin stearate Erythromycin estolate Erythromycin-sulfisoxazole Vanomycin Penicillin V potassium/Penicillin	.	
21	A	3	Antibiotic	Char	16	Type of antibiotic	Erythromycin ethylsuccinate Erythromycin Erythromycin stearate Erythromycin estolate Erythromycin-sulfisoxazole Vanomycin Penicillin V potassium/Penicillin	.	
22	A	3	AntibioticOther	Char	16	.	.	.	
23	A	3	M3YesNo2	Y/N	4	Is there another antibiotic prophylaxis prescription?	Yes No	.	
24	A	3	AntibioticDate2	Date	10	Date of next antibiotic prophylaxis prescription:	1/1/2012 - 12/31/2012	.	

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
25	A	3	Antibiotic2	Char	16	Type of antibiotic	Amoxicillin Ampicillin Amoxicillin-clavulanate Azithromycin Erythromycin ethylsuccinate Erythromycin Erythromycin stearate Erythromycin estolate Erythromycin-sulfisoxazole Vanomycin Penicillin V potassium/Penicillin	.	
26	A	3	Antibiotic2Other	Char	16	.	.	.	
27	A	3	M3YesNo3	Y/N	4	Is there another antibiotic prophylaxis prescription?	Yes No	.	
28	A	3	AntibioticDate3	Date	10	Date of next antibiotic prophylaxis prescription:	1/1/2012 - 12/31/2012	.	
29	A	3	Antibiotic3	Char	16	Type of antibiotic	Amoxicillin Ampicillin Amoxicillin-clavulanate Azithromycin Erythromycin ethylsuccinate Erythromycin Erythromycin stearate Erythromycin estolate Erythromycin-sulfisoxazole Vanomycin Penicillin V potassium/Penicillin	.	
30	A	3	Antibiotic3Other	Char	16	.	.	.	
31	A	3	M3Time	Num	8	How many minutes did it take you to abstract information for Measure 3?	0+	.	
32	A	3	M3Comments	Char	160	Comments on abstraction for Measure 3	.	.	
33	A	4	M4aYesNo	Y/N	4	Was there a pulse oximetry conducted this year?	Yes No	.	
34	A	4	PulseOximetry	Date	10	Date pulse oximetry was conducted	1/1/2012 - 12/31/2012	.	
35	A	4	PulseOximetryValue	Num	8	Pulse oximetry level (percent saturation)	9 - 100	9	
36	A	4	M4bYesNo	Y/N	4	Was there a complete blood count conducted this year?	Yes No	.	
37	A	4	CompBloodCount	Date	10	Date complete blood count was conducted	1/1/2012 - 12/31/2012	.	
38	A	4	CompBloodCountValue	Num	8	Hematocrit value (percent)	9 - 100	9	
39	A	4	M4cYesNo	Y/N	4	Was there a reticulocyte count conducted this year?	Yes No	.	
40	A	4	ReticCount	Date	10	Date reticulocyte count was conducted	1/1/2012 - 12/31/2012	.	
41	A	4	ReticCountValue	Num	8	Reticulocyte count value (percent)	1 - 99	99	
42	A	4	M4cTime	Num	8	How many minutes did it take you to abstract information for Measure 4?	0+	.	
43	A	4	M4cComments	Char	160	Comments on abstraction for Measure 4	.	.	
44	A	5	M5YesNo	Y/N	4	Was there anticipatory guidance regarding the prevention and/or management of pain this year?	Yes No	.	
45	A	5	PreventPain	Date	10	Date of guidance regarding pain	1/1/2012 - 12/31/2012	.	
46	A	5	PreventPainMethodVerbal	Y/N	4	What was the method (pain): Verbal (not via telephone)	Yes No	.	
47	A	5	PreventPainMethodWritten	Y/N	4	What was the method (pain): Written/standard form	Yes No	.	
48	A	5	PreventPainMethodUnknown	Y/N	4	What was the method (pain): Unknown	Yes No	.	
49	A	5	PreventPainMethodOther	Char	16	What was the method (pain): Other	.	.	
50	A	5	PreventPainByWhomPCP	Y/N	4	By whom was the information given (pain): Primary care physician	Yes No	.	
51	A	5	PreventPainByWhomSpec	Y/N	4	By whom was the information given (pain): Specialist physician	Yes No	.	

Sickle Cell Disease Codebook—Outpatient

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
52	A	5	PreventPainByWhomPA	Y/N	4	By whom was the information given (pain): Physician's assistant	Yes No	.	
53	A	5	PreventPainByWhomNP	Y/N	4	By whom was the information given (pain): Nurse practitioner	Yes No	.	
54	A	5	PreventPainByWhomRN	Y/N	4	By whom was the information given (pain): Registered nurse	Yes No	.	
55	A	5	PreventPainByWhomUnknown	Y/N	4	By whom was the information given (pain): Unknown	Yes No	.	
56	A	5	PreventPainByWhomOther	Char	16	By whom was the information given (pain): Other	.	.	
57	A	5	PreventPainWhomParent	Y/N	4	To whom was the information given (pain): Parent/guardian	Yes No	.	
58	A	5	PreventPainWhomChild	Y/N	4	To whom was the information given (pain): Child	Yes No	.	
59	A	5	PreventPainWhomUnknown	Y/N	4	To whom was the information given (pain): Unknown	Yes No	.	
60	A	5	PreventPainWhomOther	Char	16	To whom was the information given (pain): Other	.	.	
61	A	5	M5Time	Num	8	How many minutes did it take you to abstract information for Measure 5?	0+	.	
62	A	5	M5Comments	Char	160	Comments on abstraction for Measure 5	.	.	
63	A	6	M6YesNo	Y/N	4	Was there anticipatory guidance regarding the prevention and/or management of fever and severe infection this year?	Yes No	.	
64	A	6	PreventFever	Date	10	Date of guidance regarding fever and severe infection	1/1/2012 - 12/31/2012	.	
65	A	6	PreventFeverMethodVerbal	Y/N	4	What was the method (fever and infection): Verbal (not via telephone)	Yes No	.	
66	A	6	PreventFeverMethodWritten	Y/N	4	What was the method (fever and infection): Written/standard form	Yes No	.	
67	A	6	PreventFeverMethodUnknown	Y/N	4	What was the method (fever and infection): Unknown	Yes No	.	
68	A	6	PreventFeverMethodOther	Char	16	What was the method (fever and infection): Other	.	.	
69	A	6	PreventFeverByWhomPCP	Y/N	4	By whom was the information given (fever and infection): Primary care physician	Yes No	.	
70	A	6	PreventFeverByWhomSpec	Y/N	4	By whom was the information given (fever and infection): Specialist physician	Yes No	.	
71	A	6	PreventFeverByWhomPA	Y/N	4	By whom was the information given (fever and infection): Physician's assistant	Yes No	.	
72	A	6	PreventFeverByWhomNP	Y/N	4	By whom was the information given (fever and infection): Nurse practitioner	Yes No	.	
73	A	6	PreventFeverByWhomRN	Y/N	4	By whom was the information given (fever and infection): Registered nurse	Yes No	.	
74	A	6	PreventFeverByWhomUnknown	Y/N	4	By whom was the information given (fever and infection): Unknown	Yes No	.	
75	A	6	PreventFeverByWhomOther	Char	16	By whom was the information given (fever and infection): Other	.	.	
76	A	6	PreventFeverWhomParent	Y/N	4	To whom was the information given (fever and infection): Parent/guardian	Yes No	.	
77	A	6	PreventFeverWhomChild	Y/N	4	To whom was the information given (fever and infection): Child	Yes No	.	
78	A	6	PreventFeverWhomUnknown	Y/N	4	To whom was the information given (fever and infection): Unknown	Yes No	.	
79	A	6	PreventFeverWhomOther	Char	16	To whom was the information given (fever and infection): Other	.	.	
80	A	6	M6Time	Num	8	How many minutes did it take you to abstract information for Measure 6?	0+	.	
81	A	6	M6Comments	Char	160	Comments on abstraction for Measure 6	.	.	
82	A	7	M7YesNo	Y/N	4	Was there anticipatory guidance regarding the identification, prevention, and/or management of stroke/silent infarcts this year?	Yes No	.	

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
83	A	7	PreventStroke	Date	10	Date of guidance regarding identification, prevention, and/or management of stroke/silent infarcts	1/1/2012 - 12/31/2012	.	
84	A	7	PreventStrokeMethodVerbal	Y/N	4	What was the method (stroke/silent infarcts): Verbal (not via telephone)	Yes No	.	
85	A	7	PreventStrokeMethodWritten	Y/N	4	What was the method (stroke/silent infarcts): Written/standard form	Yes No	.	
86	A	7	PreventStrokeMethodUnknown	Y/N	4	What was the method (stroke/silent infarcts): Unknown	Yes No	.	
87	A	7	PreventStrokeMethodOther	Char	16	What was the method (stroke/silent infarcts): Other	.	.	
88	A	7	PreventStrokeByWhomPCP	Y/N	4	By whom was the information given (stroke/silent infarcts): Primary care physician	Yes No	.	
89	A	7	PreventStrokeByWhomSpec	Y/N	4	By whom was the information given (stroke/silent infarcts): Specialist physician	Yes No	.	
90	A	7	PreventStrokeByWhomPA	Y/N	4	By whom was the information given (stroke/silent infarcts): Physician's assistant	Yes No	.	
91	A	7	PreventStrokeByWhomNP	Y/N	4	By whom was the information given (stroke/silent infarcts): Nurse practitioner	Yes No	.	
92	A	7	PreventStrokeByWhomRN	Y/N	4	By whom was the information given (stroke/silent infarcts): Registered nurse	Yes No	.	
93	A	7	PreventStrokeByWhomUnknown	Y/N	4	By whom was the information given (stroke/silent infarcts): Unknown	Yes No	.	
94	A	7	PreventStrokeByWhomOther	Char	16	By whom was the information given (stroke/silent infarcts): Other	.	.	
95	A	7	PreventStrokeWhomParent	Y/N	4	To whom was the information given (stroke/silent infarcts): Parent/guardian	Yes No	.	
96	A	7	PreventStrokeWhomChild	Y/N	4	To whom was the information given (stroke/silent infarcts): Child	Yes No	.	
97	A	7	PreventStrokeWhomUnknown	Y/N	4	To whom was the information given (stroke/silent infarcts): Unknown	Yes No	.	
98	A	7	PreventStrokeWhomOther	Char	16	To whom was the information given (stroke/silent infarcts): Other	.	.	
99	A	7	M7Time	Num	8	How many minutes did it take you to abstract information for Measure 7?	0+	.	
100	A	7	M7Comments	Char	160	Comments on abstraction for Measure 7	.	.	
101	A	8	M8YesNo	Y/N	4	Was there anticipatory guidance regarding school attendance/performance this year?	Yes No	.	
102	A	8	SchoolAttend	Date	10	Date of guidance regarding school attendance/ performance	1/1/2012 - 12/31/2012	.	
103	A	8	SchoolAttendMethodVerbal	Y/N	4	What was the method (school): Verbal (not via telephone)	Yes No	.	
104	A	8	SchoolAttendMethodWritten	Y/N	4	What was the method (school): Written/standard form	Yes No	.	
105	A	8	SchoolAttendMethodUnknown	Y/N	4	What was the method (school): Unknown	Yes No	.	
106	A	8	SchoolAttendMethodOther	Char	16	What was the method (school): Other	.	.	
107	A	8	SchoolAttendByWhomPCP	Y/N	4	By whom was the information given (school): Primary care physician	Yes No	.	
108	A	8	SchoolAttendByWhomSpec	Y/N	4	By whom was the information given (school): Specialist physician	Yes No	.	
109	A	8	SchoolAttendByWhomPA	Y/N	4	By whom was the information given (school): Physician's assistant	Yes No	.	
110	A	8	SchoolAttendByWhomNP	Y/N	4	By whom was the information given (school): Nurse practitioner	Yes No	.	
111	A	8	SchoolAttendByWhomRN	Y/N	4	By whom was the information given (school): Registered nurse	Yes No	.	
112	A	8	SchoolAttendByWhomUnknown	Y/N	4	By whom was the information given (school): Unknown	Yes No	.	
113	A	8	SchoolAttendByWhomOther	Char	16	By whom was the information given (school): Other	.	.	
114	A	8	SchoolAttendWhomParent	Y/N	4	To whom was the information given (school): Parent/guardian	Yes No	.	

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
115	A	8	SchoolAttendWhomChild	Y/N	4	To whom was the information given (school): Child	Yes No	.	
116	A	8	SchoolAttendWhomUnknown	Y/N	4	To whom was the information given (school): Unknown	Yes No	.	
117	A	8	SchoolAttendWhomOther	Char	16	To whom was the information given (school): Other	.	.	
118	A	8	M8Time	Num	8	How many minutes did it take you to abstract information for Measure 8?	0+	.	
119	A	8	M8Comments	Char	160	Comments on abstraction for Measure 8	.	.	
120	A	9	Splenectomy	Y/N	4	Did the patient have a splenectomy?	Yes No	.	
121	A	9	M9YesNo	Y/N	4	Was there anticipatory guidance regarding the identification, prevention, and/or management of splenic complications this year?	Yes No	.	
122	A	9	PreventSplenic	Date	10	Date of guidance regarding splenic complications	1/1/2012 - 12/31/2012	.	
123	A	9	PreventSplenicMethodVerbal	Y/N	4	What was the method (splenic complications): Verbal (not via telephone)	Yes No	.	
124	A	9	PreventSplenicMethodWritten	Y/N	4	What was the method (splenic complications): Written/standard form	Yes No	.	
125	A	9	PreventSplenicMethodUnknown	Y/N	4	What was the method (splenic complications): Unknown	Yes No	.	
126	A	9	PreventSplenicMethodOther	Char	16	What was the method (splenic complications): Other	.	.	
127	A	9	PreventSplenicByWhomPCP	Y/N	4	By whom was the information given (splenic complications): Primary care physician	Yes No	.	
128	A	9	PreventSplenicByWhomSpec	Y/N	4	By whom was the information given (splenic complications): Specialist physician	Yes No	.	
129	A	9	PreventSplenicByWhomPA	Y/N	4	By whom was the information given (splenic complications): Physician's assistant	Yes No	.	
130	A	9	PreventSplenicByWhomNP	Y/N	4	By whom was the information given (splenic complications): Nurse practitioner	Yes No	.	
131	A	9	PreventSplenicByWhomRN	Y/N	4	By whom was the information given (splenic complications): Registered nurse	Yes No	.	
132	A	9	PreventSplenicByWhomUnknown	Y/N	4	By whom was the information given (splenic complications): Unknown	Yes No	.	
133	A	9	PreventSplenicByWhomOther	Char	16	By whom was the information given (splenic complications): Other	.	.	
134	A	9	PreventSplenicWhomParent	Y/N	4	To whom was the information given (splenic complications): Parent/guardian	Yes No	.	
135	A	9	PreventSplenicWhomChild	Y/N	4	To whom was the information given (splenic complications): Child	Yes No	.	
136	A	9	PreventSplenicWhomUnknown	Y/N	4	To whom was the information given (splenic complications): Unknown	Yes No	.	
137	A	9	PreventSplenicWhomOther	Char	16	To whom was the information given (splenic complications): Other	.	.	
138	A	9	M9Time	Num	8	How many minutes did it take you to abstract information for Measure 9?	0+	.	
139	A	9	M9Comments	Char	160	Comments on abstraction for Measure 9	.	.	
140	A	10	M10YesNo	Y/N	4	Was there anticipatory guidance regarding the risks and benefits of treatment with hydroxyurea this year?	Yes No	.	
141	A	10	RiskHydroxy	Date	10	Date of guidance regarding hydroxyurea treatment	1/1/2012 - 12/31/2012	.	
142	A	10	RiskHydroxyMethodVerbal	Y/N	4	What was the method (hydroxyurea treatment): Verbal (not via telephone)	Yes No	.	
143	A	10	RiskHydroxyMethodWritten	Y/N	4	What was the method (hydroxyurea treatment): Written/standard form	Yes No	.	
144	A	10	RiskHydroxyMethodUnknown	Y/N	4	What was the method (hydroxyurea treatment): Unknown	Yes No	.	
145	A	10	RiskHydroxyMethodOther	Char	16	What was the method (hydroxyurea treatment): Other	.	.	
146	A	10	RiskHydroxyByWhomPCP	Y/N	4	By whom was the information given (hydroxyurea treatment): Primary care physician	Yes No	.	

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
147	A	10	RiskHydroxyByWhomSpec	Y/N	4	By whom was the information given (hydroxyurea treatment): Specialist physician	Yes No	.	
148	A	10	RiskHydroxyByWhomPA	Y/N	4	By whom was the information given (hydroxyurea treatment): Physician's assistant	Yes No	.	
149	A	10	RiskHydroxyByWhomNP	Y/N	4	By whom was the information given (hydroxyurea treatment): Nurse practitioner	Yes No	.	
150	A	10	RiskHydroxyByWhomRN	Y/N	4	By whom was the information given (hydroxyurea treatment): Registered nurse	Yes No	.	
151	A	10	RiskHydroxyByWhomUnknown	Y/N	4	By whom was the information given (hydroxyurea treatment): Unknown	Yes No	.	
152	A	10	RiskHydroxyByWhomOther	Char	16	By whom was the information given (hydroxyurea treatment): Other	.	.	
153	A	10	RiskHydroxyWhomParent	Y/N	4	To whom was the information given (hydroxyurea treatment): Parent/guardian	Yes No	.	
154	A	10	RiskHydroxyWhomChild	Y/N	4	To whom was the information given (hydroxyurea treatment): Child	Yes No	.	
155	A	10	RiskHydroxyWhomUnknown	Y/N	4	To whom was the information given (hydroxyurea treatment): Unknown	Yes No	.	
156	A	10	RiskHydroxyWhomOther	Char	16	To whom was the information given (hydroxyurea treatment): Other	.	.	
157	A	10	M10Time	Num	8	How many minutes did it take you to abstract information for Measure 10?	0+	.	
158	A	10	M10Comments	Char	160	Comments on abstraction for Measure 10	.	.	
159	A	11	M11YesNo	Y/N	4	Was there a confirmed stroke this year?	Yes No	.	
160	A	11	ConfirmedStroke	Date	10	Date of confirmed stroke	1/1/2012 - 12/31/2012	.	
161	A	11	M11bYesNoT	Y/N	4	Was there at least one transfusion?	Yes No	.	
162	A	11	CS_TransfusionDate	Date	10	Date of first transfusion	1/1/2012 - 4/15/2013	.	
163	A	11	CS_TransfusionTimeHour	Num	8	Time of first transfusion (Hour)	0-23	.	
164	A	11	CS_TransfusionTimeMin	Num	8	Time of first transfusion (Minute)	0-59	.	
165	A	11	M11bYesNoH	Y/N	4	Was there an HgB S-level reading conducted for the first transfusion?	Yes No	.	
166	A	11	CS_HgBSDate	Date	10	Date HgB S-level reading was conducted for the first transfusion	1/1/2012 - 4/15/2013	.	
167	A	11	CS_HgBTimeHour	Num	8	Time HgB S-level reading was conducted for the first transfusion (Hour)	0-23	.	
168	A	11	CS_HgBTimeMin	Num	8	Time HgB S-level reading was conducted for the first transfusion (Minute)	0-59	.	
169	A	11	CS_HgBSValue	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
170	A	11	M11cYesNoT	Y/N	4	Was there a second transfusion?	Yes No	.	
171	A	11	CS_TransfusionDateC	Date	10	Date of second transfusion	1/1/2012 - 4/15/2013	.	
172	A	11	CS_TransfusionTimeCHour	Num	8	Time of second transfusion (Hour)	0-23	.	
173	A	11	CS_TransfusionTimeCMin	Num	8	Time of second transfusion (Minute)	0-59	.	
174	A	11	M11cYesNoH	Y/N	4	Was there an HgB S-level reading conducted for the second transfusion?	Yes No	.	
175	A	11	CS_HgBSDateC	Date	10	Date HgB S-level reading was conducted for the second transfusion	1/1/2012 - 4/15/2013	.	
176	A	11	CS_HgBTimeCHour	Num	8	Time HgB S-level reading was conducted for the second transfusion (Hour)	0-23	.	
177	A	11	CS_HgBTimeCMin	Num	8	Time HgB S-level reading was conducted for the second transfusion (Minute)	0-59	.	
178	A	11	CS_HgBSValueC	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
179	A	11	M11Time	Num	8	How many minutes did it take you to abstract information for Measure 11?	0+	.	
180	A	11	M11Comments	Char	160	Comments on abstraction for Measure 11	.	.	
181	A	12	M12aYesNoT	Y/N	4	Was there at least one transfusion?	Yes No	.	

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
182	A	12	TransfusionDateA	Date	10	Date of transfusion	1/1/2012 - 2/15/2013	.	
183	A	12	TransfusionTimeAHour	Num	8	Time of transfusion (Hour)	0 - 23	99	
184	A	12	TransfusionTimeAMin	Num	8	Time of transfusion (Minute)	0 - 59	99	
185	A	12	M12aYesNoH	Y/N	4	Was there an HgB S-level reading within 24 hours prior to this transfusion?	Yes No	.	
186	A	12	HgBSDateA	Date	10	Date of HgB S-level reading	1/1/2012 - 2/15/2013	.	
187	A	12	HgBSTimeAHour	Num	8	Time of HgB S-level reading (Hour)	0 - 23	.	
188	A	12	HgBSTimeAMin	Num	8	Time of HgB S-level reading (Minute)	0 - 59	.	
189	A	12	HgBSValueA	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
190	A	12	M12bYesNoT	Y/N	4	Was there another transfusion?	Yes No	.	
191	A	12	TransfusionDateB	Date	10	Date of transfusion	1/1/2012 - 2/15/2013	.	
192	A	12	TransfusionTimeBHour	Num	8	Time of transfusion (Hour)	0 - 23	99	
193	A	12	TransfusionTimeBMin	Num	8	Time of transfusion (Minute)	0 - 59	99	
194	A	12	M12bYesNoH	Y/N	4	Was there an HgB S-level reading within 24 hours prior to this transfusion?	Yes No	.	
195	A	12	HgBSDateB	Date	10	Date of HgB S-level reading	1/1/2012 - 2/15/2013	.	
196	A	12	HgBSTimeBHour	Num	8	Time of HgB S-level reading (Hour)	0 - 23	.	
197	A	12	HgBSTimeBMin	Num	8	Time of HgB S-level reading (Minute)	0 - 59	.	
198	A	12	HgBSValueB	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
199	A	12	M12cYesNoT	Y/N	4	Was there another transfusion?	Yes No	.	
200	A	12	TransfusionDateC	Date	10	Date of transfusion	1/1/2012 - 2/15/2013	.	
201	A	12	TransfusionTimeCHour	Num	8	Time of transfusion (Hour)	0 - 23	99	
202	A	12	TransfusionTimeCMin	Num	8	Time of transfusion (Minute)	0 - 59	99	
203	A	12	M12cYesNoH	Y/N	4	Was there an HgB S-level reading within 24 hours prior to this transfusion?	Yes No	.	
204	A	12	HgBSDateC	Date	10	Date of HgB S-level reading	1/1/2012 - 2/15/2013	.	
205	A	12	HgBSTimeCHour	Num	8	Time of HgB S-level reading (Hour)	0 - 23	.	
206	A	12	HgBSTimeCMin	Num	8	Time of HgB S-level reading (Minute)	0 - 59	.	
207	A	12	HgBSValueC	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
208	A	12	M12dYesNoT	Y/N	4	Was there another transfusion?	Yes No	.	
209	A	12	TransfusionDateD	Date	10	Date of transfusion	1/1/2012 - 2/15/2013	.	
210	A	12	TransfusionTimeDHour	Num	8	Time of transfusion (Hour)	0 - 23	99	
211	A	12	TransfusionTimeDMin	Num	8	Time of transfusion (Minute)	0 - 59	99	
212	A	12	M12dYesNoH	Y/N	4	Was there an HgB S-level reading within 24 hours prior to this transfusion?	Yes No	.	
213	A	12	HgBSDateD	Date	10	Date of HgB S-level reading	1/1/2012 - 2/15/2013	.	
214	A	12	HgBSTimeDHour	Num	8	Time of HgB S-level reading (Hour)	0 - 23	.	
215	A	12	HgBSTimeDMin	Num	8	Time of HgB S-level reading (Minute)	0 - 59	.	
216	A	12	HgBSValueD	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
217	A	12	M12eYesNoT	Y/N	4	Was there another transfusion?	Yes No	.	
218	A	12	TransfusionDateE	Date	10	Date of transfusion	1/1/2012 - 2/15/2013	.	
219	A	12	TransfusionTimeEHour	Num	8	Time of transfusion (Hour)	0 - 23	99	
220	A	12	TransfusionTimeEMin	Num	8	Time of transfusion (Minute)	0 - 59	99	
221	A	12	M12eYesNoH	Y/N	4	Was there an HgB S-level reading within 24 hours prior to this transfusion?	Yes No	.	
222	A	12	HgBSDateE	Date	10	Date of HgB S-level reading	1/1/2012 - 2/15/2013	.	
223	A	12	HgBSTimeEHour	Num	8	Time of HgB S-level reading (Hour)	0 - 23	.	
224	A	12	HgBSTimeEMin	Num	8	Time of HgB S-level reading (Minute)	0 - 59	.	
225	A	12	HgBSValueE	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
226	A	12	M12fYesNoT	Y/N	4	Was there another transfusion?	Yes No	.	
227	A	12	TransfusionDateF	Date	10	Date of transfusion	1/1/2012 - 2/15/2013	.	
228	A	12	TransfusionTimeFHour	Num	8	Time of transfusion (Hour)	0 - 23	99	
229	A	12	TransfusionTimeFMin	Num	8	Time of transfusion (Minute)	0 - 59	99	

Sickle Cell Disease Codebook—Outpatient

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
230	A	12	M12fYesNoH	Y/N	4	Was there an HgB S-level reading within 24 hours prior to this transfusion?	Yes No	.	
231	A	12	HgBSDateF	Date	10	Date of HgB S-level reading	1/1/2012 - 2/15/2013	.	
232	A	12	HgBSTimeFHour	Num	8	Time of HgB S-level reading (Hour)	0 - 23	.	
233	A	12	HgBSTimeFMin	Num	8	Time of HgB S-level reading (Minute)	0 - 59	.	
234	A	12	HgBSValueF	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
235	A	12	M12gYesNoT	Y/N	4	Was there another transfusion?	Yes No	.	
236	A	12	TransfusionDateG	Date	10	Date of transfusion	1/1/2012 - 2/15/2013	.	
237	A	12	TransfusionTimeGHour	Num	8	Time of transfusion (Hour)	0 - 23	99	
238	A	12	TransfusionTimeGMin	Num	8	Time of transfusion (Minute)	0 - 59	99	
239	A	12	M12gYesNoH	Y/N	4	Was there an HgB S-level reading within 24 hours prior to this transfusion?	Yes No	.	
240	A	12	HgBSDateG	Date	10	Date of HgB S-level reading	1/1/2012 - 2/15/2013	.	
241	A	12	HgBSTimeGHour	Num	8	Time of HgB S-level reading (Hour)	0 - 23	.	
242	A	12	HgBSTimeGMin	Num	8	Time of HgB S-level reading (Minute)	0 - 59	.	
243	A	12	HgBSValueG	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
244	A	12	M12hYesNoT	Y/N	4	Was there another transfusion?	Yes No	.	
245	A	12	TransfusionDateH	Date	10	Date of transfusion	1/1/2012 - 2/15/2013	.	
246	A	12	TransfusionTimeHHour	Num	8	Time of transfusion (Hour)	0 - 23	99	
247	A	12	TransfusionTimeHMin	Num	8	Time of transfusion (Minute)	0 - 59	99	
248	A	12	M12hYesNoH	Y/N	4	Was there an HgB S-level reading within 24 hours prior to this transfusion?	Yes No	.	
249	A	12	HgBSDateH	Date	10	Date of HgB S-level reading	1/1/2012 - 2/15/2013	.	
250	A	12	HgBSTimeHHour	Num	8	Time of HgB S-level reading (Hour)	0 - 23	.	
251	A	12	HgBSTimeHMin	Num	8	Time of HgB S-level reading (Minute)	0 - 59	.	
252	A	12	HgBSValueH	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
253	A	12	M12iYesNoT	Y/N	4	Was there another transfusion?	Yes No	.	
254	A	12	TransfusionDateI	Date	10	Date of transfusion	1/1/2012 - 2/15/2013	.	
255	A	12	TransfusionTimeIHour	Num	8	Time of transfusion (Hour)	0 - 23	99	
256	A	12	TransfusionTimeIMin	Num	8	Time of transfusion (Minute)	0 - 59	99	
257	A	12	M12iYesNoH	Y/N	4	Was there an HgB S-level reading within 24 hours prior to this transfusion?	Yes No	.	
258	A	12	HgBSDateI	Date	10	Date of HgB S-level reading	1/1/2012 - 2/15/2013	.	
259	A	12	HgBSTimeIHour	Num	8	Time of HgB S-level reading (Hour)	0 - 23	.	
260	A	12	HgBSTimeIMin	Num	8	Time of HgB S-level reading (Minute)	0 - 59	.	
261	A	12	HgBSValueI	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
262	A	12	M12jYesNoT	Y/N	4	Was there another transfusion?	Yes No	.	
263	A	12	TransfusionDateJ	Date	10	Date of transfusion	1/1/2012 - 2/15/2013	.	
264	A	12	TransfusionTimeJHour	Num	8	Time of transfusion (Hour)	0 - 23	99	
265	A	12	TransfusionTimeJMin	Num	8	Time of transfusion (Minute)	0 - 59	99	
266	A	12	M12jYesNoH	Y/N	4	Was there an HgB S-level reading within 24 hours prior to this transfusion?	Yes No	.	
267	A	12	HgBSDateJ	Date	10	Date of HgB S-level reading	1/1/2012 - 2/15/2013	.	
268	A	12	HgBSTimeJHour	Num	8	Time of HgB S-level reading (Hour)	0 - 23	.	
269	A	12	HgBSTimeJMin	Num	8	Time of HgB S-level reading (Minute)	0 - 59	.	
270	A	12	HgBSValueJ	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
271	A	12	M12kYesNoT	Y/N	4	Was there another transfusion?	Yes No	.	
272	A	12	TransfusionDateK	Date	10	Date of transfusion	1/1/2012 - 2/15/2013	.	
273	A	12	TransfusionTimeKHour	Num	8	Time of transfusion (Hour)	0 - 23	99	
274	A	12	TransfusionTimeKMin	Num	8	Time of transfusion (Minute)	0 - 59	99	
275	A	12	M12kYesNoH	Y/N	4	Was there an HgB S-level reading within 24 hours prior to this transfusion?	Yes No	.	
276	A	12	HgBSDateK	Date	10	Date of HgB S-level reading	1/1/2012 - 2/15/2013	.	
277	A	12	HgBSTimeKHour	Num	8	Time of HgB S-level reading (Hour)	0 - 23	.	

Sickle Cell Disease Codebook—Outpatient

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
278	A	12	HgBTimeKMin	Num	8	Time of HgB S-level reading (Minute)	0 - 59	.	
279	A	12	HgBValueK	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
280	A	12	M12IYesNoT	Y/N	4	Was there another transfusion?	Yes No	.	
281	A	12	TransfusionDateL	Date	10	Date of transfusion	1/1/2012 - 2/15/2013	.	
282	A	12	TransfusionTimeLHour	Num	8	Time of transfusion (Hour)	0 - 23	99	
283	A	12	TransfusionTimeLMin	Num	8	Time of transfusion (Minute)	0 - 59	99	
284	A	12	M12IYesNoH	Y/N	4	Was there an HgB S-level reading within 24 hours prior to this transfusion?	Yes No	.	
285	A	12	HgBDateL	Date	10	Date of HgB S-level reading	1/1/2012 - 2/15/2013	.	
286	A	12	HgBTimeLHour	Num	8	Time of HgB S-level reading (Hour)	0 - 23	.	
287	A	12	HgBTimeLMin	Num	8	Time of HgB S-level reading (Minute)	0 - 59	.	
288	A	12	HgBValueL	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
289	A	12	M12mYesNoT	Y/N	4	Was there another transfusion?	Yes No	.	
290	A	12	TransfusionDateM	Date	10	Date of transfusion	1/1/2012 - 2/15/2013	.	
291	A	12	TransfusionTimeMHour	Num	8	Time of transfusion (Hour)	0 - 23	99	
292	A	12	TransfusionTimeMMin	Num	8	Time of transfusion (Minute)	0 - 59	99	
293	A	12	M12mYesNoH	Y/N	4	Was there an HgB S-level reading within 24 hours prior to this transfusion?	Yes No	.	
294	A	12	HgBDateM	Date	10	Date of HgB S-level reading	1/1/2012 - 2/15/2013	.	
295	A	12	HgBTimeMHour	Num	8	Time of HgB S-level reading (Hour)	0 - 23	.	
296	A	12	HgBTimeMMin	Num	8	Time of HgB S-level reading (Minute)	0 - 59	.	
297	A	12	HgBValueM	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
298	A	12	M12nYesNoT	Y/N	4	Was there another transfusion?	Yes No	.	
299	A	12	TransfusionDateN	Date	10	Date of transfusion	1/1/2012 - 2/15/2013	.	
300	A	12	TransfusionTimeNHour	Num	8	Time of transfusion (Hour)	0 - 23	99	
301	A	12	TransfusionTimeNMin	Num	8	Time of transfusion (Minute)	0 - 59	99	
302	A	12	M12nYesNoH	Y/N	4	Was there an HgB S-level reading within 24 hours prior to this transfusion?	Yes No	.	
303	A	12	HgBDateN	Date	10	Date of HgB S-level reading	1/1/2012 - 2/15/2013	.	
304	A	12	HgBTimeNHour	Num	8	Time of HgB S-level reading (Hour)	0 - 23	.	
305	A	12	HgBTimeNMin	Num	8	Time of HgB S-level reading (Minute)	0 - 59	.	
306	A	12	HgBValueN	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
307	A	12	M12oYesNoT	Y/N	4	Was there another transfusion?	Yes No	.	
308	A	12	TransfusionDateO	Date	10	Date of transfusion	1/1/2012 - 2/15/2013	.	
309	A	12	TransfusionTimeOHour	Num	8	Time of transfusion (Hour)	0 - 23	99	
310	A	12	TransfusionTimeOMin	Num	8	Time of transfusion (Minute)	0 - 59	99	
311	A	12	M12oYesNoH	Y/N	4	Was there an HgB S-level reading within 24 hours prior to this transfusion?	Yes No	.	
312	A	12	HgBDateO	Date	10	Date of HgB S-level reading	1/1/2012 - 2/15/2013	.	
313	A	12	HgBTimeOHour	Num	8	Time of HgB S-level reading (Hour)	0 - 23	.	
314	A	12	HgBTimeOMin	Num	8	Time of HgB S-level reading (Minute)	0 - 59	.	
315	A	12	HgBValueO	Num	8	Value of HgB S-level reading (in gm/dL)	9 - 99	99	
316	A	12	M12Time	Num	8	How many minutes did it take you to abstract information for Measure 12?	0+	.	
317	A	12	M12Comments	Char	160	Comments on abstraction for Measure 12	.	.	
318	A	13	M13aYesNo	Y/N	4	Was there at least one normal transcranial doppler ultrasound prior to this year?	Yes No	.	
319	A	13	DopplerDate1	Date	10	Date of first normal transcranial doppler ultrasound prior to this year	1/1/2003 - 12/31/2011	.	
320	A	13	DopplerValue1	Num	8	Value of first normal transcranial doppler ultrasound conducted prior to this year?	1 - 170	999	
321	A	13	M13aYesNo2	Y/N	4	Was there a second normal transcranial doppler ultrasound prior to this year?	Yes No	.	
322	A	13	DopplerDate2	Date	10	Date of second normal transcranial doppler ultrasound prior to this year	1/1/2003 - 12/31/2011	.	

Sickle Cell Disease Codebook—Outpatient

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
323	A	13	DopplerValue2	Num	8	Value of second normal transcranial doppler ultrasound conducted prior to this year?	1 - 170	999	
324	A	13	M13aYesNo3	Y/N	4	Was there a third normal transcranial doppler ultrasound prior to this year?	Yes No	.	
325	A	13	DopplerDate3	Date	10	Date of third normal transcranial doppler ultrasound prior to this year	1/1/2003 - 12/31/2011	.	
326	A	13	DopplerValue3	Num	8	Value of third normal transcranial doppler ultrasound conducted prior to this year?	1 - 170	999	
327	A	13	DopplerICD3	Char	8	** blank **	.	.	
328	A	13	M13YesNo4	Y/N	4	Was there a transcranial doppler ultrasound this year?	Yes No	.	
329	A	13	DopplerDate4	Date	10	Date of transcranial doppler ultrasound conducted this year	1/1/2012 - 12/31/2012	.	
330	A	13	DopplerValue4	Num	8	Value of transcranial doppler ultrasound conducted this year?	1 - 999	999	
331	A	13	M13Time	Num	8	How many minutes did it take you to abstract information for Measure 13?	0+	.	
332	A	13	M13Comments	Char	160	Comments on abstraction for Measure 13	.	.	
333	A	ED	ED	Char	8	** blank **	.	.	
334	A	ED	NumberOfEDs	Num	8	How many ED visits were abstracted for this patient?	0+	.	
335	L	.	FirstName	Char	16	.	.	.	
336	L	.	LastName	Char	16	.	.	.	
337	L	.	EmailAddress	Char	32	.	abigail.woodroffe@altarum.org	.	
338	T	.	Token	Char	16	.	.	.	
339	L	.	MRN	Char	12	.	.	.	
340	L	.	age	Num	8	.	0+	.	
341	L	.	ageLabel	Char	8	.	months years	.	
342	L	.	yearStart	Char	10	.	01.01.2012	.	
343	L	.	yearEnd	Char	10	.	12.31.2012	.	
344	L	.	nextYearStart	Char	10	.	01.01.2013	.	
345	L	.	nextYearEnd	Char	10	.	12.31.2013	.	
346	L	.	ageDate	Char	10	.	03.15.2013	.	
347	L	11	M11YearEnd	Char	10	.	04.15.2013	.	
348	L	12	M12YearEnd	Char	10	.	02.15.2013	.	
349	L	.	sex	Char	4	.	F - female M - male UM	.	
350	.	.	hospital	Char	8	.	Hurley Childrens	.	
351	PP	.	age_char	Char	4	.	1 - 18 (for valid records)	.	
352	PP	ED	n_eds	Char	4	.	0+	.	
353	PP	4	m4all3	Y/N	4	.	Yes No	.	
354	PP	.	ageTurnIn2012	Num	8	.	1 - 18 (for valid records)	.	
355	PP	.	done	Char	1	.	0 - not completed 1 - completed	.	
356	PP	.	valid	Char	1	.	0 - does not meet criteria for at least one measure 1 - meets criteria for at least one measure	.	Equals 1 if HadBoneMarrowTrans ^= "Yes" & "1994-01-01" <= dob < "2012-01-01" & CorrectDiagnosis in ("Hb SS-disease - sickle cell anemia (Hb F,S)" "Hb S beta-thalassemia (Hb F,S,A)" "Hb SC-disease (Hb F,S,C)" "Hb SD-disease (Hb F,S,D)" "Hb beta zero-thalassemia (Hb F only)")
357	PP	.	badDx	Char	1	.	0 - had diagnosis that met criteria for at least one measure 1 - had diagnosis that does not meet criteria for at least one measure	.	Equals 1 if CorrectDiagnosis notin ("Hb SS-disease - sickle cell anemia (Hb F,S)" "Hb S beta-thalassemia (Hb F,S,A)" "Hb SC-disease (Hb F,S,C)" "Hb SD-disease (Hb F,S,D)" "Hb beta zero-thalassemia (Hb F only)")

Sickle Cell Disease Codebook—Outpatient

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
358	PP	.	tooOld	Char	1		0 - born 1/1/1994 or later 1 - born before 1/1/1994	.	
359	PP	.	tooYoung	Char	1		0 - born before 1/1/2012 1 - born 1/1/2012 or later	.	
360	PP	.	forIRR	Char	1		0 - first abstraction 1 - second abstraction for IRR	.	
361	PP	.	weekStart	Char	10		Monday of the week record was submitted	.	
362	PP	3	m3elig	Char	1		0 - not eligible for measure 3 1 - eligible for measure 3	.	Equals 1 if valid = '1' & forIRR = '0' & 2008-01-01" <= dob < "2011-10-01" & CorrectDiagnosis in ("Hb SS-disease - sickle cell anemia (Hb F,S)" "Hb beta zero-thalassemia (Hb F only)")
363	PP	4/5/6/7	m4567elig	Char	1		0 - not eligible for measures 4/5/6/7 1 - eligible for measures 4/5/6/7	.	Equals 1 if valid = '1' & forIRR = '0'
364	PP	8	m8elig	Char	1		0 - not eligible for measure 8 1 - eligible for measure 8	.	Equals 1 if valid = '1' & forIRR = '0' & "1994-01-01" <= dob < "2008-01-01"
365	PP	9	m9elig	Char	1		0 - not eligible for measure 9 1 - eligible for measure 9	.	Equals 1 if valid = '1' & forIRR = '0' & "2009-01-01" <= dob < "2012-01-01" & Splenectomy notin ('Y' 'Yes')
366	PP	10/12	m1012elig	Char	1		0 - not eligible for measures 10/12 1 - eligible for measures 10/12	.	Equals 1 if valid = '1' & forIRR = '0' & CorrectDiagnosis in ("Hb SS-disease - sickle cell anemia (Hb F,S)" "Hb beta zero-thalassemia (Hb F only)")
367	PP	11	m11elig	Char	1		0 - not eligible for measure 11 1 - eligible for measure 11	.	Equals 1 if valid = '1' & forIRR = '0' & CorrectDiagnosis in ("Hb SS-disease - sickle cell anemia (Hb F,S)" "Hb beta zero-thalassemia (Hb F only)") & substr(confirmedstroke,1,3) = '201'
368	PP	13	m13elig	Char	1		0 - not eligible for measure 13 1 - eligible for measure 13	.	Equals 1 if valid = '1' & forIRR = '0' & "1997-01-01" <= dob < "2010-01-01" & CorrectDiagnosis in ("Hb SS-disease - sickle cell anemia (Hb F,S)" "Hb beta zero-thalassemia (Hb F only)") & M13aYesNo3 notin ('Y' 'Yes')
369	PP	4	PulseOximetryDateN	Num	8		1/1/2012 - 12/31/2012	.	Numeric date for PulseOximetry
370	PP	4	CompBloodCountDateN	Num	8		1/1/2012 - 12/31/2012	.	Numeric date for CompBloodCount
371	PP	4	ReticCountDateN	Num	8		1/1/2012 - 12/31/2012	.	Numeric date for ReticCount
372	PP	11	ConfirmedStrokeDatetime	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for ConfirmedStroke
373	PP	11	CS_TransfusionDatetime	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for CS_TransfusionDate
374	PP	11	CS_HgBSDatetime	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for CS_HgBSDate
375	PP	11	CS_TransfusionDatetimeC	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for CS_TransfusionDateC
376	PP	11	CS_HgBSDatetimeC	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for CS_HgBSDateC
377	PP	12	TransfusionDatetimeA	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for TransfusionDateA
378	PP	12	HgBSDatetimeA	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for HgBSDateA
379	PP	12	TransfusionDatetimeB	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for TransfusionDateB
380	PP	12	HgBSDatetimeB	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for HgBSDateB
381	PP	12	TransfusionDatetimeC	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for TransfusionDateC
382	PP	12	HgBSDatetimeC	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for HgBSDateC
383	PP	12	TransfusionDatetimeD	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for TransfusionDateD
384	PP	12	HgBSDatetimeD	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for HgBSDateD
385	PP	12	TransfusionDatetimeE	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for TransfusionDateE
386	PP	12	HgBSDatetimeE	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for HgBSDateE
387	PP	12	TransfusionDatetimeF	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for TransfusionDateF
388	PP	12	HgBSDatetimeF	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for HgBSDateF
389	PP	12	TransfusionDatetimeG	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for TransfusionDateG
390	PP	12	HgBSDatetimeG	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for HgBSDateG
391	PP	12	TransfusionDatetimeH	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for TransfusionDateH
392	PP	12	HgBSDatetimeH	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for HgBSDateH
393	PP	12	TransfusionDatetimel	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for TransfusionDateI
394	PP	12	HgBSDatetimel	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for HgBSDateI
395	PP	12	TransfusionDatetimeJ	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for TransfusionDateJ
396	PP	12	HgBSDatimeJ	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for HgBSDateJ

Sickle Cell Disease Codebook—Outpatient

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
397	PP	12	TransfusionDatetimeK	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for TransfusionDateK
398	PP	12	HgBSDatetimeK	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for HgBSDateK
399	PP	12	TransfusionDatetimeL	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for TransfusionDateL
400	PP	12	HgBSDatetimeL	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for HgBSDateL
401	PP	12	TransfusionDatetimeM	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for TransfusionDateM
402	PP	12	HgBSDatetimeM	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for HgBSDateM
403	PP	12	TransfusionDatetimeN	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for TransfusionDateN
404	PP	12	HgBSDatetimeN	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for HgBSDateN
405	PP	12	TransfusionDatetimeO	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for TransfusionDateO
406	PP	12	HgBSDatetimeO	Num	8		1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date/time for HgBSDateO
407	PP	4	m4AllEver	Char	1	0 - missing one or more blood tests 1 - had pulse oximetry, complete blood count and reticulocyte count sometime during the measurement year		.	Equals 1 if PulseOximetryDateN ^= . & CompBloodCountDateN ^= . & ReticCountDateN ^= . Equals 1 if abs(PulseOximetryDateN - CompBloodCountDateN) < 8 & abs(PulseOximetryDateN - ReticCountDateN) < 8
408	PP	4	m4All7days	Char	1	0 - missing one or more blood tests in any 7 day period 1 - had pulse oximetry, complete blood count and reticulocyte count all within 7 days		.	Equals 1 if CS_TransfusionDatetime ^= . & ConfirmedStrokeDatetime <= CS_TransfusionDatetime
409	PP	11	m11TransEver	Char	1	0 - did not have a blood transfusion after a confirmed stroke 1 - had a blood transfusion anytime after a confirmed stroke		.	Equals 1 if 0 <= CS_TransfusionDatetime - ConfirmedStrokeDatetime <= 5184000
410	PP	11	m11Trans2mo	Char	1	0 - did not have a blood transfusion within 2 months after a confirmed stroke 1 - had a blood transfusion within 2 months after a confirmed stroke		.	Equals 1 if CS_HgBSDatetime ^= . & CS_HgBSDatetime <= CS_TransfusionDatetime
411	PP	11	m11HgBSEver	Char	1	0 - did not have a HgB S-level reading prior to the blood transfusion 1 - had a HgB S-level reading prior to the blood transfusion		.	Equals 1 if 0 <= CS_TransfusionDatetime - CS_HgBSDatetime <= 86400
412	PP	11	m11HgBS24hr	Char	1	0 - did not have a HgB S-level reading within 24 hours prior to the blood transfusion 1 - had a HgB S-level reading within 24 hours prior to the blood transfusion		.	Equals 1 if CS_TransfusionDatetimeC ^= . & CS_TransfusionDatetimeC <= CS_TransfusionDatetimeC - CS_TransfusionDatetimeC <= 3628800
413	PP	11	m11TransEverC	Char	1	0 - did not have a second blood transfusion after an initial one 1 - had a blood transfusion anytime after an initial one		.	Equals 1 if CS_HgBSDatetimeC ^= . & CS_HgBSDatetimeC <= CS_TransfusionDatetimeC
414	PP	11	m11Trans6wkC	Char	1	0 - did not have a blood transfusion within 6 weeks of an initial one 1 - had a blood transfusion within 6 weeks after an initial one		.	Equals 1 if 0 <= CS_TransfusionDatetimeC - CS_HgBSDatetimeC <= 86400
415	PP	11	m11HgBSEverC	Char	1	0 - did not have a HgB S-level reading prior to the blood transfusion 1 - had a HgB S-level reading prior to the blood transfusion		.	Equals 1 if 0 <= CS_TransfusionDatetimeC - CS_HgBSDatetimeC <= 86400
416	PP	11	m11HgBS24hrC	Char	1	0 - did not have a HgB S-level reading within 24 hours prior to the blood transfusion 1 - had a HgB S-level reading within 24 hours prior to the blood transfusion		.	Number of transfusions in measurement year
417	PP	12	m12n_Trans	Num	8		0-15	.	Number of HgB S-level readings prior to transfusions
418	PP	12	m12n_HgBSEver	Num	8		0-15	.	Number of HgB S-level readings within 24 hours prior to transfusions
419	PP	12	m12n_HgBS24hr	Num	8		0-15	.	
420	PP	.	Abstractor	Char	2		DB - Denise Barone JL - Joni Long	.	
421	PP	.	Abstractor_order	Char	3		IRR, 0+	.	Records with a value of "IRR" were abstracted for inter-rater reliability assessment

* A - abstraction, L - loaded in the tool prior to abstraction, PP - created during post-processing, T - generated by tool software

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
1	T	.	id	Char	5	.	.	.	.
2	T	.	Completed	Date	10	.	.	.	.
3	T	.	LastPageSeen	Char	2	.	1	.	.
4	T	.	Language	Char	2	.	En - English	.	.
5	T	.	DateLastAction	Date	10	.	.	.	.
6	T	.	DateStarted	Date	10	.	.	.	.
7	L	.	MRN	Char	12	.	.	.	.
8	A	14 - 17	CorrectRecord	Y/N	8	Is the following the correct MRN?	Yes No	.	.
9	A	14 - 17	CorrectRecordNote	Char	50	Comments	.	.	.
10	A	14 - 17	EDYesNo	Y/N	4	Was there an ED visit?	Yes No	.	.
11	A	14 - 17	PresentationED	Date	10	Date of ED visit	1/1/2012 - 12/31/2012	.	.
12	A	14 - 17	PresentationEDHour	Num	8	Time of ED visit (Hour)	0-23	.	.
13	A	14 - 17	PresentationEDMin	Num	8	Time of ED visit (Minute)	0-59	.	.
14	A	14 / 15	EDFeverYesNo	Y/N	4	Was there a fever?	Yes No	.	.
15	A	14 / 15	EDFeverReport	Char	32	How was the fever recorded?	Taken at ED Reported by child or care-giver	.	.
16	A	14 / 15	EDFever	Date	10	Date of fever	1/1/2012 - 12/31/2012	.	.
17	A	14 / 15	EDFeverHour	Num	8	Time of fever (Hour)	0-23	.	.
18	A	14 / 15	EDFeverMin	Num	8	Time of fever (Minute)	0-59	.	.
19	A	14 / 15	EDFeverCF	Char	8	Was the fever recorded in C or F?	C F	.	.
20	A	14 / 15	EDFeverValueC	Num	8	Temperature of fever (in C)	38 - 99	99	.
21	A	14 / 15	EDFeverValueF	Num	8	Temperature of fever (in F)	100 - 999	999	.
22	A	14	M14aYesNo	Y/N	4	Was there a pulse oximetry reading?	Yes No	.	.
23	A	14	OximetryED	Date	10	Date of pulse oximetry	1/1/2012 - 12/31/2012	.	.
24	A	14	OximetryEDHour	Num	8	Time of pulse oximetry (Hour)	0-23	.	.
25	A	14	OximetryEDMin	Num	8	Time of pulse oximetry (Minute)	0-59	.	.
26	A	14	OximetryEDValue	Num	8	Pulse oximetry level (Percent saturation)	9 - 100	9	.
27	A	14	M14bYesNo	Y/N	4	Was there a complete blood count?	Yes No	.	.
28	A	14	BloodCountED	Date	10	Date of complete blood count	1/1/2012 - 12/31/2012	.	.
29	A	14	BloodCountEDHour	Num	8	Time of complete blood count (Hour)	0-23	.	.
30	A	14	BloodCountEDMin	Num	8	Time of complete blood count (Minute)	0-59	.	.
31	A	14	BloodCountEDValue	Num	8	Hematocrit value (Percent)	9 - 100	9	.
32	A	14	M14cYesNo	Y/N	4	Was there a reticulocyte count?	Yes No	.	.
33	A	14	ReticulocyteED	Date	10	Date of reticulocyte count	1/1/2012 - 12/31/2012	.	.
34	A	14	ReticulocyteEDHour	Num	8	Time of reticulocyte (Hour)	0-23	.	.
35	A	14	ReticulocyteEDMin	Num	8	Time of reticulocyte count (Minute)	0-59	.	.
36	A	14	ReticulocyteEDValue	Num	8	Reticulocyte count value (Percent)	1 - 99	99	.
37	A	14	M14dYesNo	Y/N	4	Was there a blood culture?	Yes No	.	.
38	A	14	BloodCultureED	Date	10	Date of blood culture	1/1/2012 - 12/31/2012	.	.
39	A	14	BloodCultureEDHour	Num	8	Time of blood culture (Hour)	0-23	.	.
40	A	14	BloodCultureEDMin	Num	8	Time of blood culture (Minute)	0-59	.	.
41	A	14	BloodCultureEDValue	Num	8	** blank **	.	.	.
42	A	14	M14Time	Num	8	How many minutes did it take you to abstract information for Measure 14?	0+	.	.
43	A	14	M14Comments	Char	160	Comments on abstraction for Measure 14	.	.	.
44	A	15	M15YesNo	Y/N	4	Was there an antibiotic given?	Yes No	.	.
45	A	15	AntibioticED	Date	10	Date of antibiotic treatment	1/1/2012 - 12/31/2012	.	.
46	A	15	AntibioticEDHour	Num	8	Time of antibiotic treatment (Hour)	0-23	.	.

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
47	A	15	AntibioticEDMin	Num	8	Time of antibiotic treatment (Minute)	0-59 Amikacin sulfate Ampicillin Azithromycin Aztreonam Capreomycin Cefazolin Cefepime Cefotaxime Cefotetan and dextrose Cefoxitin Ceftazidime Ceftriaxone Cefuroxime Chloramphenicol sodium succinate Erythromycin lactobionate Gentamicin Kanamycin A sulfate Linezolid Nafcillin Oxacillin Penicillin G Penicillin G benzathine Penicillin G procaine Piperacillin and tazobactam Streptomycin Ticarcillin disodium / clavulanate potassium Tobramycin sulfate Vancomycin hydrochloride	.	.
48	A	15	AntibioticEDType	Char	32	Type of antibiotic	.	.	
49	A	15	AntibioticEDOther	Char	32	Type of antibiotic - other	.	.	
50	A	15	M15YesNoB	Y/N	4	Was there another antibiotic given?	Yes No	.	.

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
51	A	15	AntibioticEDTypeB	Char	32	Type of additional antibiotic	Amikacin sulfate Ampicillin Azithromycin Aztreonam Capreomycin Cefazolin Cefepime Cefotaxime Cefotetan and dextrose Cefoxitin Ceftazidime Ceftriaxone Cefuroxime Chloramphenicol sodium succinate Erythromycin lactobionate Gentamicin Kanamycin A sulfate Linezolid Nafcillin Oxacillin Penicillin G Penicillin G benzathine Penicillin G procaine Piperacillin and tazobactam Streptomycin Ticarcillin disodium / clavulanate potassium Tobramycin sulfate Vancomycin hydrochloride	.	.
52	A	15	AntibioticEDOtherB	Char	32	Type of additional antibiotic - other	.	.	.
53	A	15	M15YesNoC	Y/N	4	Was there another antibiotic given?	Yes No	.	.
54	A	15	AntibioticEDTypeC	Char	32	Type of additional antibiotic	Amikacin sulfate Ampicillin Azithromycin Aztreonam Capreomycin Cefazolin Cefepime Cefotaxime Cefotetan and dextrose Cefoxitin Ceftazidime Ceftriaxone Cefuroxime Chloramphenicol sodium succinate Erythromycin lactobionate Gentamicin Kanamycin A sulfate Linezolid Nafcillin Oxacillin Penicillin G Penicillin G benzathine Penicillin G procaine Piperacillin and tazobactam Streptomycin Ticarcillin disodium / clavulanate potassium Tobramycin sulfate Vancomycin hydrochloride	.	.

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes	
55	A	15	AntibioticEDOtherC	Char	32	Type of additional antibiotic - other	.	.		
56	A	15	M15YesNoD	Y/N	4	Was there another antibiotic given?	Yes No Amikacin sulfate Ampicillin Azithromycin Aztreonam Capreomycin Cefazolin Cefepime Cefotaxime Cefotetan and dextrose Cefoxitin Ceftazidime Ceftriaxone Cefuroxime Chloramphenicol sodium succinate Erythromycin lactobionate Gentamicin Kanamycin A sulfate Linezolid Nafcillin Oxacillin Penicillin G Penicillin G benzathine Penicillin G procaine Piperacillin and tazobactam Streptomycin Ticarcillin disodium / clavulanate potassium Tobramycin sulfate Vancomycin hydrochloride	.	.	
57	A	15	AntibioticEDTypeD	Char	32	Type of additional antibiotic	.	.		
58	A	15	AntibioticEDOtherD	Char	32	Type of additional antibiotic - other	.	.		
59	A	15	M15Time	Num	8	How many minutes did it take you to abstract information for Measure 15?	0+	.	.	
60	A	15	M15Comments	Char	160	Comments on abstraction for Measure 15	.	.	.	
61	A	16 / 17	M16aYesNo	Y/N	4	Was there an acute pain episode?	Yes No	.	.	
62	A	16 / 17	AcutePainED	Date	10	Date of acute pain episode	1/1/2012 - 12/31/2012	.	.	
63	A	16 / 17	AcutePainEDHour	Num	8	Time of acute pain episode (Hour)	0-23	.	.	
64	A	16 / 17	AcutePainEDMin	Num	8	Time of acute pain episode (Minute)	0-59	.	.	
65	A	16 / 17	AcutePainEDCode	Char	8	** blank **	.	.	.	
66	A	16 / 17	M16bYesNo	Y/N	4	Was there a pain assessment?	Yes No	.	.	
67	A	16 / 17	PainED	Date	10	Date of pain assessment	1/1/2012 - 12/31/2012	.	.	
68	A	16 / 17	PainEDHour	Num	8	Time of pain assessment (Hour)	0-23	.	.	
69	A	16 / 17	PainEDMin	Num	8	Time of pain assessment (Minute)	0-59	.	.	
70	A	16 / 17	PainEDScale	Char	8	Point scale used to assess pain	3 5 10 No scale Other	.	.	
71	A	16 / 17	PainEDScaleOther	Char	20	Point scale used to assess pain - other	.	.	.	
72	A	16 / 17	PainEDValue3	Num	8	Value of pain	1 - 3	.	.	
73	A	16 / 17	PainEDValue5	Num	8	Value of pain	1 - 5	.	.	
74	A	16 / 17	PainEDValue10	Num	8	Value of pain	1 - 10	.	.	
75	A	16	M16Time	Num	8	How many minutes did it take you to abstract information for Measure 16?	0+	.	.	
76	A	16	M16Comments	Char	160	Comments on abstraction for Measure 16	.	.	.	

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
77	A	17	M17bYesNo	Y/N	4	Was there a parenteral analgesic?	Yes No	. .	
78	A	17	AnalgesicED	Date	10	Date of first parenteral analgesic	1/1/2012 - 12/31/2012	. .	
79	A	17	AnalgesicEDHour	Num	8	Time of parenteral analgesic (Hour)	0-23	. .	
80	A	17	AnalgesicEDMin	Num	8	Time of parenteral analgesic (Minute)	0-59 Aifentarii hydrochloride Bromfenac sodium Buprenorphine Buprenorphine hydrochloride Buprenorphine hydrochloride and naloxone hydrochloride Diclofenac epolamine Diclofenac sodium Fentanyl Fentanyl citrate Flurbiprofen sodium Hydromorphone hydrochloride Ibuprofen Ibuprofen lysine	. .	
81	A	17	AnalgesicEDType	Char	32	Type of parenteral analgesic	Indomethacin Indomethacin sodium Ketorolac tromethamine Meloxicam Meperidine hydrochloride Methadone hydrochloride Methylnaltrexone bromide Morphine Morphine hydrochloride Morphine sulfate Naloxone hydrochloride Nepafenac Oxymorphone hydrochloride Remifentanyl hydrochloride Sufentanyl citrate	. .	
82	A	17	AnalgesicEDOther	Char	32	Type of parenteral analgesic - other	.	. .	
83	A	17	M17cYesNo	Y/N	4	Was there a pain assessment following analgesic treatment?	Yes No	. .	
84	A	17	PainAssessED	Date	10	Date of first pain assessment	1/1/2012 - 12/31/2012	. .	
85	A	17	PainAssessEDHour	Num	8	Time of pain assessment (Hour)	0-23	. .	
86	A	17	PainAssessEDMin	Num	8	Time of pain assessment (Minute)	0-59	. .	
87	A	17	PainAssessEDCode	Char	8	** blank **	. 3 5	. .	
88	A	17	PainAssessEDScale	Char	8	Point scale used to assess pain	10 No scale Other	. .	
89	A	17	PainAssessEDOther	Char	20	Point scale used to assess pain - other	.	. .	
90	A	17	PainAssessEDValue3	Num	8	Value of pain assessment	1 - 3	. .	
91	A	17	PainAssessEDValue5	Num	8	Value of pain assessment	1 - 5	. .	
92	A	17	PainAssessEDValue10	Num	8	Value of pain assessment	1 - 10	. .	
93	A	17	M17Time	Num	8	How many minutes did it take you to abstract information for Measure 17?	0+	. .	
94	A	17	M17Comments	Char	160	Comments on abstraction for Measure 17	.	. .	
95	T	.	interviewtime	Char	20	Total time spent on ED record	0+	. .	
96	OP	.	Token	Char	16	.	.	. .
97	OP	.	CorrectRecordComment	Char	160	Comments:	.	. .	

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
98	OP	.	CorrectDiagnosis	Char	48	Please record the variant and date of the first sickle cell disease diagnosis	Hb SS-disease - sickle cell anemia (Hb F,S) Hb SC-disease (Hb F,S,C) Hb SD-disease (Hb F,S,D) Hb SE-disease (Hb F,S,E) Hb C-disease (Hb F,C) Hb E-disease (Hb F,E) Hb H-disease Hb beta zero-thalassemia (Hb F only) Hb S beta-thalassemia (Hb F,S,A) Hb C beta-thalassemia (Hb F,C,A) Hb D beta-thalassemia (Hb F,D,A) Hb E beta-thalassemia (Hb F,E,A) Hb S (sickle)-carrier (Hb F,A,S) Hb C-carrier (Hb F,A,C) Hb D-carrier (Hb F,A,D) Hb E-carrier (Hb F,A,E) None	.	.
99	OP	.	CorrectDiagnosisOther	Char	48	.	.	.	.
100	OP	.	DOB	Date	10	Please enter the patient's date of birth.	1/1/1994 - 12/31/2011 (for valid records)	.	.
101	OP	.	ageTurnIn2012	Num	8	.	1 - 18 (for valid records)	.	.
102	OP	.	sex	Char	4	.	F - female M - male UM	.	.
103	OP	.	hospital	Char	8	.	Hurley Childrens	.	.
104	OP	.	weekStart	Date	10	.	Monday of the week record was submitted	.	.
105	OP	.	valid	Char	1	.	0 - does not meet criteria for at least one measure 1 - meets criteria for at least one measure	.	Equals 1 if HadBoneMarrowTrans ^= "Yes" & "1994-01-01" <= dob < "2012-01-01" & CorrectDiagnosis in ("Hb SS-disease - sickle cell anemia (Hb F,S)" "Hb S beta-thalassemia (Hb F,S,A)" "Hb SC-disease (Hb F,S,C)" "Hb SD-disease (Hb F,S,D)" "Hb beta zero-thalassemia (Hb F only)")
106	OP	.	forIRR	Char	1	.	0 - first abstraction 1 - second abstraction for IRR	.	.
107	OP	.	done	Char	1	.	0 - not completed 1 - completed	.	.
108	OP	.	Abstractor	Char	2	.	DB - Denise Barone JL - Joni Long	.	.
109	OP	.	Abstractor_order	Char	3	.	IRR, 0+	.	Records with a value of "IRR" were abstracted for inter-rater reliability assessment
110	PP	.	edIRR	Char	1	.	0 - first abstraction 1 - second abstraction for IRR, ED record only	.	.
111	PP	14 / 15	m1415elig	Char	1	.	0 - not eligible for measures 14/15 1 - eligible for measures 14/15	.	Equals 1 if valid = '1' & forIRR = '0' & EDFeverYesNo in ('Y' 'Yes')
112	PP	16	m16elig	Char	1	.	0 - not eligible for measure 16 1 - eligible for measure 16	.	Equals 1 if valid = '1' & forIRR = '0' & m16aYesNo in ('Y' 'Yes')
113	PP	17	m17elig	Char	1	.	0 - not eligible for measure 17 1 - eligible for measure 17	.	Equals 1 if valid = '1' & forIRR = '0' & (PainEDScale = '3' & PainEDValue3 = '3') | (PainEDScale = '5' & PainEDValue5 in ('4' '5')) | (PainEDScale = '10' & PainEDValue10 in ('6' '7' '8' '9' '10'))
114	PP	14 - 17	PresentationEDDatetime	Date/time	8	.	1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date / time for PresentationED
115	PP	14 / 15	EDFeverDatetime	Date/time	8	.	1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date / time for EDFever
116	PP	14	OximetryEDDatetime	Date/time	8	.	1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date / time for OximetryED
117	PP	14	BloodCountEDDatetime	Date/time	8	.	1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date / time for BloodCountED
118	PP	14	ReticulocyteEDDatetime	Date/time	8	.	1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date / time for ReticulocyteED
119	PP	14	BloodCultureEDDatetime	Date/time	8	.	1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date / time for BloodCultureED
120	PP	16	AntibioticEDDatetime	Date/time	8	.	1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date / time for AntibioticED

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
121	PP	16 / 17	AcutePainEDDatetime	Date/time	8	.	1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date / time for AcutePainED
122	PP	16 / 17	PainEDDatetime	Date/time	8	.	1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date / time for PainED
123	PP	17	AnalgesicEDDatetime	Date/time	8	.	1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date / time for AnalgesicED
124	PP	17	PainAssessEDDatetime	Date/time	8	.	1/1/2012:00:00:00 - 12/31/2012:00:00:00	.	Date / time for PainAssessED
125	PP	14	m14OximetryEver	Char	8	.	0 - no pulse oximetry after presentation to ED with fever 1 - had pulse oximetry any time after presentation to ED with fever	.	Equals 1 if OximetryEDDatetime ^= . & PresentationEDDatetime <= OximetryEDDatetime
126	PP	14	m14BloodCountEver	Char	8	.	0 - no complete blood count after presentation to ED with fever 1 - had complete blood count any time after presentation to ED with fever	.	Equals 1 if BloodCountEDDatetime ^= . & PresentationEDDatetime <= BloodCountEDDatetime
127	PP	14	m14ReticulocyteEver	Char	8	.	0 - no reticulocyte count after presentation to ED with fever 1 - had reticulocyte count any time after presentation to ED with fever	.	Equals 1 if ReticulocyteEDDatetime ^= . & PresentationEDDatetime <= ReticulocyteEDDatetime
128	PP	14	m14BloodCultureEver	Char	8	.	0 - no blood culture after presentation to ED with fever 1 - had blood culture any time after presentation to ED with fever	.	Equals 1 if BloodCultureEDDatetime ^= . & PresentationEDDatetime <= BloodCultureEDDatetime
129	PP	15	m15AntibioticEver	Char	8	.	0 - no antibiotic after presentation to ED with fever 1 - had antibiotic any time after presentation to ED with fever	.	Equals 1 if AntibioticEDDatetime ^= . & PresentationEDDatetime <= AntibioticEDDatetime
130	PP	14	m14Oximetry60min	Char	8	.	0 - no pulse oximetry within 60 minutes of presentation to ED with fever	.	Equals 1 if 0 <= OximetryEDDatetime - PresentationEDDatetime <= 3600
131	PP	14	m14BloodCount60min	Char	8	.	0 - no complete blood count within 60 minutes of presentation to ED with fever 1 - had complete blood count within 60 minutes of presentation to ED with fever	.	Equals 1 if 0 <= BloodCountEDDatetime - PresentationEDDatetime <= 3600
132	PP	14	m14Reticulocyte60min	Char	8	.	0 - no reticulocyte count within 60 minutes of presentation to ED with fever 1 - had reticulocyte count within 60 minutes of presentation to ED with fever	.	Equals 1 if 0 <= ReticulocyteEDDatetime - PresentationEDDatetime <= 3600
133	PP	14	m14BloodCulture60min	Char	8	.	0 - no blood culture within 60 minutes of presentation to ED with fever	.	Equals 1 if 0 <= BloodCultureEDDatetime - PresentationEDDatetime <= 3600
134	PP	15	m15Antibiotic60min	Char	8	.	0 - no antibiotic within 60 minutes of presentation to ED with fever 1 - had antibiotic within 60 minutes of presentation to ED with fever	.	Equals 1 if 0 <= AntibioticEDDatetime - PresentationEDDatetime <= 3600
135	PP	14	m14AllEver	Char	1	.	0 - missing one or more blood tests after presentation to ED with fever 1 - had pulse oximetry, complete blood count, reticulocyte count and blood culture any time after presentation to ED with fever	.	Equals 1 if m14OximetryEver = '1' & m14BloodCountEver = '1' & m14ReticulocyteEver = '1' & m14BloodCultureEver = '1'
136	PP	14	m14All60min	Char	1	.	0 - missing one or more blood tests within 60 minutes of presentation to ED with fever 1 - had pulse oximetry, complete blood count, reticulocyte count and blood culture all within 60 minutes of presentation to ED with fever	.	Equals 1 if m14Oximetry60min = '1' & m14BloodCount60min = '1' & m14Reticulocyte60min = '1' & m14BloodCulture60min = '1'
137	PP	.	i	Num	8	.	.	.	.
138	PP	16	m16PainEver	Char	1	.	0 - no pain assessment after presentation to ED with acute pain episode 1 - had pain assessment any time after presentation to ED with acute pain episode	.	Equals 1 if PainEDDatetime ^= . & PresentationEDDatetime <= PainEDDatetime
139	PP	16	m16Pain30min	Char	1	.	0 - no pain assessment within 30 minutes of presentation to ED with acute pain episode 1 - had pain assessment within 30 minutes of presentation to ED with acute pain episode	.	Equals 1 if 0 <= PainEDDatetime - PresentationEDDatetime <= 1800
140	PP	17	m17AnalgesicEver	Char	1	.	0 - no parenteral analgesic after presentation to ED with severe pain 1 - had parenteral analgesic any time after presentation to ED with severe pain	.	Equals 1 if AnalgesicEDDatetime ^= . & PresentationEDDatetime <= AnalgesicEDDatetime

Order	Source*	Measure	Variable Name	Data Type	Width	Text from Abstraction Tool	Values / Range	Missing value	Notes
141	PP	17	m17Analgesic60min	Char	1	0 - no parenteral analgesic within 60 minutes of presentation to ED with severe pain 1 - had parenteral analgesic within 60 minutes of presentation to ED with severe pain		.	Equals 1 if 0 <= AnalgesicEDDatetime - PresentationEDDatetime <= 3600
142	PP	17	m17AssessEver	Char	1	0 - no pain assessment after analgesic administration 1 - had pain assessment after analgesic administration		.	Equals 1 if PainAssessEDDatetime ^= . & AnalgesicEDDatetime <= PainAssessEDDatetime
143	PP	17	m17Assess30min	Char	1	0 - no pain assessment within 30 minutes of analgesic administration 1 - had pain assessment within 30 minutes of analgesic administration		.	Equals 1 if 0 <= PainAssessEDDatetime - AnalgesicEDDatetime <= 1800

* A - abstraction, L - loaded in the tool prior to abstraction, OP - from the outpatient file, PP - created during post-processing, T - generated by tool software