



Cardiac Surgery Project
Supplemental Data Element Specifications for STS version 2.81
July 1, 2014

Updates:

2014 July 7 Updated hospital list names and numbers in appendix A and STS sequence numbers to reflect 2.81 changes, otherwise fields are the same as in 2.73.

All version 2.81 STS Adult Cardiac Surgery Database fields, including optional harvest fields, **must be submitted to Mass-DAC**. When extracting fields for Mass-DAC do **NOT** use the STS vendor switch that excludes patient identifiers (e.g., patient names and social security number). In addition to the STS fields, Mass-DAC collects supplemental information described in the following tables. The supplemental Mass-DAC data elements may be included as part of the single STS data extract file or as a separate file including STS primary key linking fields to enable merging of the file back to the STS data elements.

Single File Submission: Name of file should be the STS Participant ID followed by adt.dat (i.e., 12345adt.dat)

The single file must contain all the STS version 2.81 Adult Cardiac Surgery Database fields, including all STS optional harvest fields, (i.e., section B, Demographics), defined in the STS Data Specifications, http://www.sts.org/sites/default/files/documents/STSAAdultCVDDataSpecificationsV2_81.pdf. The order of the Mass-DAC fields should be as outlined in the table below and it is recommended that the be placed after the STS section B fields or after all other STS fields.

Field Name	Short Name	Format	Length	Valid Data	Definition (Examples)
Patient Address Line 2	PatAddr2	Text	50	Free text	Additional address information other than what is in the STS address line. (e.g. Apt 3B)
Patient State	PatState	Text	2	A list of all current abbreviations is available in the Appendix.	USPS or Canada Post standard state/provincial abbreviations consistent with patient zip code and city information. This should be left blank if not in Canada or USA. (e.g. MA for Massachusetts)
Patient Telephone #	PtTelNum	Text	20	Free text	Enter the primary contact telephone number for the patient; dashes are optional, preferred method is to use only the numbers. (e.g. 6175551212)
Reserved Text Field #1	ResText1	Text	50	Free Text or selected text details provided by Mass-DAC	This text field is reserved for later use by Mass-DAC in the event additional data needs to be collected before the next STS specification upgrade.

Reserved Text Field #2	ResText2	Text	50	Free Text or selected text details provided by Mass-DAC	This text field is reserved for later use by Mass-DAC in the event additional data needs to be collected before the next STS specification upgrade.
Reserved Numeric Field #1	ResNum1	Number	8 bytes	Numeric value details provided by Mass-DAC	This numeric field is reserved for later use by Mass-DAC in the event additional data needs to be collected before the next STS specification upgrade.
Reserved Numeric Field #2	ResNum2	Number	8 bytes	Numeric value details provided by Mass-DAC	This numeric field is reserved for later use by Mass-DAC in the event additional data needs to be collected before the next STS specification upgrade.
Transfer from Hospital	TrnsFrom	Integer	3	Blank or 0-99 (See appendix A for hospital name associations)	<p>For a patient with the Admit Source (Seq #320) = Transfer in from another hospital / acute care facility) enter the hospital number from the list in appendix A. This will never be your own hospital. Leave blank or 0 for no transfers. If the acute care hospital is outside of Massachusetts, enter 99.</p> <p>Parent Field: STS Seq #320 Admit Source (AdmitSrc)</p> <p>If Seq #320 = 3-Transfer in from another hospital / acute care facility then this field must have a value between 1 and 99.</p>
Discharge to Hospital	DschTo	Integer	3	Blank or 0-99 (See appendix A for hospital name associations)	<p>For a patient with the Discharge Location (Seq #5045) = Other acute care hospital) enter the acute care hospital number from the list in appendix A. This will never be your own hospital. Leave blank or 0 for no transfers. If the other hospital is not acute care or the hospital is outside of Massachusetts, enter 99.</p> <p>Parent Field: STS Seq #5045 Discharge Location (DisLoctn)</p> <p>If Seq #5045 = 3-Other acute care hospital then this field must have a value between 1 and 99.</p>

Two File Submission Version: Name of STS file should be the STS Participant ID followed by **adt.dat** for the STS file and **demo.dat** for the extra demographic file – (i.e., **12345adt.dat** and **12345demo.dat**)

With two files, the primary STS data file should contain all the STS Version 2.81 Adult Cardiac Surgery Database fields, including STS optional harvest fields, , (i.e., section B, Demographics), defined in the STS Data Specifications, http://www.sts.org/sites/default/files/documents/STSAAdultCVDataSpecificationsV2_81.pdf. The supplemental Mass-DAC fields must be exported to a separate ASCII delimited file that must have the all fields listed in the table below. The preferred order is as given in the table, but alternate orders are acceptable as long as the short names are used in the file's header line. The supplemental file should use the vertical bar to delimit each data element.

If the patient identifier fields are excluded from the STS extract and you cannot include them in the Mass-DAC single file extract with the other STS fields, you may optionally place those STS patient identifying fields in the supplemental Mass-DAC file using the STS short names in the header record.

Field Name	Short Name	Format	Length	Valid Data	Definition (Examples)
Patient ID	PatID	Integer	8 bytes	As defined by STS	As defined by STS, assigned by software
Record ID	RecordID	Integer	8 bytes	As defined by STS	As defined by STS, assigned by software
Patient Address Line 2	PatAddr2	Text	50	Free text	Additional address information other than what is in the STS address line. (Apt 3B)
Patient State	PatState	Text	2	A list of all current abbreviations is available in the Appendix.	USPS or Canada Post standard state/provincial abbreviations consistent with patient zip code and city information. This should be left blank if not in Canada or USA. (MA for Massachusetts)
Patient Telephone #	PtTelNum	Text	20	Free text	Enter the primary contact telephone number for the patient; dashes are optional, preferred method is to use only the numbers. (6175551212)

Reserved Text Field #1	ResText1	Text	50	Free Text or selected text details provided by Mass-DAC	This text field is reserved for later use by Mass-DAC in the event additional data needs to be collected before the next STS specification upgrade.
Reserved Text Field #2	ResText2	Text	50	Free Text or selected text details provided by Mass-DAC	This text field is reserved for later use by Mass-DAC in the event additional data needs to be collected before the next STS specification upgrade.
Reserved Numeric Field #1	ResNum1	Number	8 bytes	Numeric value details provided by Mass-DAC	This numeric field is reserved for later use by Mass-DAC in the event additional data needs to be collected before the next STS specification upgrade.
Reserved Numeric Field #2	ResNum2	Number	8 bytes	Numeric value details provided by Mass-DAC	This numeric field is reserved for later use by Mass-DAC in the event additional data needs to be collected before the next STS specification upgrade.
Transfer from Hospital	TrnsFrom	Integer	3	Blank or 0-99 (See appendix A for hospital name associations)	<p>For a patient with the Admit Source (Seq #320) = Transfer in from another hospital / acute care facility) enter the hospital number from the list in appendix A. This will never be your own hospital. Leave blank or 0 for no transfers. If the acute care hospital is outside of Massachusetts, enter 99.</p> <p>Parent Field: STS Seq #320 Admit Source (AdmitSrc)</p> <p>If Seq #320 = 3-Transfer in from another hospital / acute care facility then this field must have a value between 1 and 99.</p>

Discharge to Hospital	DschTo	Integer	3	Blank or 0-99 (See appendix A for hospital name associations)	<p>For a patient with the Discharge Location (Seq #5045) = Other acute care hospital) enter the acute care hospital number from the list in appendix A. This will never be your own hospital. Leave blank or 0 for no transfers. If the other hospital is not acute care or the hospital is outside of Massachusetts, enter 99.</p> <p>Parent Field: STS Seq #5045 Discharge Location (DisLoctn)</p> <p>If Seq #5045 = 3-Other acute care hospital then this field must have a value between 1 and 99.</p>
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Appendix A

Massachusetts Acute Care Hospital Identification Numbers for Transfers

Hospital ID #	Massachusetts Hospital Name
Blank/00	Not Applicable
98	VA Hospitals
99	Other Hospitals
01	Addison Gilbert Hospital-Northeast Hospitals
75	Anna Jacques
74	Athol Memorial Hospital
02	Baystate Mary Lane Hospital
03	Baystate Medical Center
04	Berkshire Medical Center
05	Berkshire Medical Center-Hillcrest Hospital
45	Beth Israel Deaconess Hospital-Milton <i>(formerly Milton Hospital)</i>
07	Beth Israel Deaconess Hospital-Needham
32	Beth Israel Deaconess Hospital-Plymouth <i>(formerly Jordan Hospital)</i>
06	Beth Israel Deaconess Medical Center
08	Beverly Hospital
09	Boston Medical Center
10	Brigham and Women's Hospital
11	Brockton Hospital
12	Cambridge Health Alliance-Cambridge Hospital
13	Cambridge Health Alliance-Somerville Hospital
14	Cambridge Health Alliance-Whidden Memorial Hospital
15	Cape Cod Hospital
77	Carney Hospital
61	Charlton Memorial Hospital - Southcoast Hospitals Group
19	Cooley Dickinson Hospital
20	Emerson Hospital
21	Fairview Hospital
22	Falmouth Hospital
23	Faulkner Hospital
24	Franklin Medical Center
16	Good Samaritan Medical Center
27	Harrington Memorial Hospital
28	Heywood Hospital
29	Holy Family Hospital and Medical Center
30	Holyoke Medical Center
31	Hubbard Regional Hospital
33	Lahey Hospital & Medical Center-Burlington <i>(formerly Lahey Clinic Medical Center-Burlington)</i>
34	Lahey Medical Center-Peabody <i>(formerly Lahey Clinic Medical Center-North Shore)</i>
36	Lawrence General Hospital
26	Lawrence Memorial Hospital of Medford - Hallmark Health

Hospital ID #	Massachusetts Hospital Name
37	Lemuel Shattuck Hospital
38	Lowell General Hospital
59	Lowell General Hospital-Saints Campus <i>(formerly Saints Memorial Medical Center)</i>
39	Martha's Vineyard Hospital
40	Massachusetts General Hospital
25	Melrose Wakefield Hospital - Hallmark Health
41	Mercy Medical Center
42	Merrimack Valley Hospital
43	MetroWest Medical Center-Framingham Union
76	MetroWest Medical Center-Natick Leonard Morse
44	Milford Regional Medical Center
46	Morton Hospital and Medical Center
47	Mount Auburn Hospital
48	Nantucket Cottage Hospital
49	Nashoba Valley Medical Center
50	New England Baptist Hospital
51	Newton Wellesley Hospital
52	Noble Hospital
53	North Adams Regional Hospital
54	North Shore Medical Center-Salem Hospital
55	North Shore Medical Center-Union Hospital
17	Norwood Hospital
56	Quincy Medical Center
57	Saint Anne's Hospital Corporation
18	Saint Elizabeth's Medical Center
62	Saint Luke's Hospital - Southcoast Hospitals Group
58	Saint Vincent Hospital-Worcester Medical Center
60	South Shore Hospital
63	Sturdy Memorial Hospital
64	Tewksbury Hospital
65	Tobey Hospital - Southcoast Hospitals Group
66	Tufts Medical Center <i>(formerly New England Medical Center)</i>
78	UMass Memorial Medical Center-Memorial Campus
67	UMass Memorial Medical Center-University Campus
68	UMass Memorial-Clinton Hospital
69	UMass Memorial-HealthAlliance Hospital-Burbank Campus
70	UMass Memorial-HealthAlliance Hospital-Leominster Campus
71	UMass Memorial-Marlborough Hospital
72	UMass Memorial-Wing Memorial Hospital
73	Winchester Hospital