

Registry Specifications

Section Name Demographics and Case Details

Description

Long Field Name	Patient Last Name	Sequence Number:	10
Short Field Name:	PatLLName	Parent Field:	
Data Type (Length)	Text 30	Parent Value:	
Format			
Definition	Indicate the patient's last name documented in the medical record.		
Validation Notes			
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Patient First Name	Sequence Number:	20
Short Field Name:	PatFName	Parent Field:	
Data Type (Length)	Text 25	Parent Value:	
Format			
Definition	Indicate the patient's first name documented in the medical record.		
Validation Notes			
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Patient Middle Initial	Sequence Number:	30
Short Field Name:	PatMInit	Parent Field:	
Data Type (Length)	Text 1	Parent Value:	
Format			
Definition	Indicate the patient's middle initial documented in the medical record. Leave "blank" if no middle name. This field should be collected in compliance with state/local privacy laws.		
Validation Notes			
Other Notes	This field should be collected in compliance with state/local privacy laws.		

Field Selection Set:

Option: Export Value: Definition:

Male 1
Unknown 3

Long Field Name	STS Event ID	Sequence Number:	80
Short Field Name:	EventID	Parent Field:	
Data Type (Length)	Integer (Long) 0	Parent Value:	
Format			
Definition	Computer generated number in the software that is used to submit data to the STS Adult Cardiac Database. The perfusion record will eventually be combined with information pulled from the STS database (preop risk factors, post operative complications). Knowing the record number that corresponds to the surgical record in the STS database will help facilitate linking the two records together. If the STS record number is unknown, it is acceptable to leave this field empty.		
Validation Notes			
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Date Of Surgery	Sequence Number:	90
Short Field Name:	SurgDt	Parent Field:	
Data Type (Length)	Date/Time 0	Parent Value:	
Format	MM/DD/YYYY		
Definition	Indicate the date of surgery (the date the patient enters the operating room).		
Validation Notes	Must be equal to or greater than the admission date. Must be greater than Date of Birth. Warned if not within last 14 days. Must be before or on current date.		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Date Of Admission	Sequence Number:	100
Short Field Name:	AdmitDt	Parent Field:	
Data Type (Length)	Date/Time 0	Parent Value:	
Format	MM/DD/YYYY		
Definition	Indicate the Date of Admission. For those patients who originally enter the hospital in an out-patient capacity (i.e., catheterization), the admit date is the date the patient's status changes to in-patient.		
Validation Notes	Must be before or equal to the operative date. Must also be greater than date of birth. Warning if not within last 14 days. Must be before or equal to current date.		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Surgeon Name	Sequence Number:	110
Short Field Name:	Surgeon	Parent Field:	
Data Type (Length)	Text 50	Parent Value:	
Format	Lastname, Firstname Title		
Definition	Indicate the name of the surgeon that will be the attending surgeon of record for legal and billing purposes.		
Validation Notes			
Other Notes	<p>This field must have controlled data entry where a user selects the surgeon name from a user list. This will remove variation in spelling, abbreviations and punctuation within the field.</p> <p>Values should be full, official names with no abbreviations or variations in spelling for a perfusionist. Values should also be in mixed-case.</p>		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Surgeon NPI	Sequence Number:	120
Short Field Name:	SurgNPI	Parent Field:	
Data Type (Length)	Text 0	Parent Value:	
Format			
Definition			
Validation Notes			
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Hospital Name	Sequence Number:	130
Short Field Name:	HospName	Parent Field:	
Data Type (Length)	Text 250	Parent Value:	
Format			
Definition	Indicate the full name of the facility where the procedure was performed.		
Validation Notes	A fixed site-specific menu must be utilized to select the hospital name.		
Other Notes	Values should be full, official hospital names with no abbreviations or variations in spelling for a single hospital. Values should also be in mixed-case.		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Hospital NPI	Sequence Number:	140
Short Field Name:	HospNPI	Parent Field:	
Data Type (Length)	Text 0	Parent Value:	
Format			
Definition			
Validation Notes			
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Primary Perfusionist Name	Sequence Number:	150
Short Field Name:	PerfName	Parent Field:	
Data Type (Length)	Text 50	Parent Value:	
Format	Lastname, Firstname Title		
Definition	Enter name of perfusionist primary responsible for the CPB procedure. If more than one perfusionist participates on the case, the perfusionist that will receive credit from the appropriate accrediting body should be listed.		
Validation Notes	A fixed site-specific menu must be utilized to select the perfusionist name.		
Other Notes	Limited to the first 50 characters. Values should be full, official names with no abbreviations or variations in spelling for a perfusionist. Values should also be in mixed-case.		

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Perfusionist Provider ID	Sequence Number:	160
Short Field Name:	PPI	Parent Field:	
Data Type (Length)	Text 0	Parent Value:	
Format			
Definition	Indicate the individual-level certification number of the perfusionist performing the procedure.		
Validation Notes			
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	PPI Agency	Sequence Number:	170
Short Field Name:	PPIAgency	Parent Field:	
Data Type (Length)	Number 0	Parent Value:	
Format			
Definition	Indicate the accrediting body that provides the certification number listed for the perfusionist.		
Validation Notes	Must select from defined selection set		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

- The American Board of Cardiovas 1
- The Australasian Board of Cardio 2

Long Field Name	Procedure Type	Sequence Number:	180
Short Field Name:	ProcType	Parent Field:	
Data Type (Length)	Integer 0	Parent Value:	
Format			
Definition	Indicate the category that best describes the type of surgical procedure performed.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option: Export Value: Definition:

Other	4	All cases that are not covered in other categories
CABG	1	Only list isolated coronary bypass cases
CAB + Valve	3	Only cases were coronary bypass grafts and valve repair/replacement performed. Cases that involve arrhythmia or aortic procedures should be codes as "other".
Valve	2	Only cases that involve valve repair and replacement should be classified as a valve case. If a secondary procedure such as a arrhythmia correction is performed, then list the cases as Other.

Section Name Circuit and Bypass Thumbprint

Description

Long Field Name	Arterial Filter Pore Size	Sequence Number:	190
Short Field Name:	ArtFPoreSz	Parent Field:	CPB Utilization
Data Type (Length)	Integer 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the effective pore size of the arterial blood filter used in the extracorporeal circuit. If multiple filters are employed, indicate the filter that is most proximal to the patient (i.e.. Acts as the barrier of last defense). If two filters are inserted in parallel at the same point in the ECC, then indicate the larger pore size of the two filters.		
Validation Notes	Usual: 15-40 Valid: 10-60		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Systemic leukocyte depleting filter used	Sequence Number:	200
Short Field Name:	FilterLeuk	Parent Field:	CPB Utilization
Data Type (Length)	Integer 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate if a leukocyte depleting filter was utilized for the systemic circulation during any portion of the cardiopulmonary bypass period.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Yes	1
No	0

Long Field Name	Acid Base Management Strategy	Sequence Number:	210
Short Field Name:	pHMgmt	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			

Definition Indicate the arterial blood gas acid-base management strategy used for the periods of hypothermic cardiopulmonary bypass. If pH-stat technique is used for any portion of the hypothermic CPB period, indicate pH-stat technique.

Validation Notes Must be selected from the specified selection set.

Other Notes If pH stat technique is used for any portion of the case, please select pH Stat strategy.
Exported as a numerical value. See selection set.

Field Selection Set:

Option:	Export Value:	Definition:
pH Stat	2	
Combination	3	
Alpha Stat	1	

Long Field Name	Biopassive Coating Area	Sequence Number:	220
Short Field Name:	BioCoat	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			

Definition Indicate the amount of the extracorporeal circuit that is covered with a biocompatible surface coating.

Validation Notes Must be selected from the specified selection set.

Other Notes Exported as a numerical value. See selection set.

Field Selection Set:

Option:	Export Value:	Definition:
All but cannula	2	Majority of the circuit has a biocompatible surface, excluding small items such as cannulae and connectors to connect cannula
Tip to tip	4	All blood surfaces are coated.
None	1	None of the circuit is coated.
Limited components	3	Only a select amount of major components are coated - such as an oxygenator

Long Field Name	Biopassive Coating Type	Sequence Number:	230
Short Field Name:	BioType	Parent Field:	CPB Utilization, Biopassive Coating Area
Data Type (Length)	Integer	Parent Value:	CPB Utilization = "Combination" or "Full", Biopassive Coating Area <> "None"
Format			

Definition Indicate the type (tradename) of biocompatible surface coating used in the extracorporeal circuit. If more than one type of surface coating is used, indicate the type that covers the largest portion of the ECC.

Validation Notes Must be selected from the specified selection set.

Other Notes Exported as a numerical value. See selection set.

Field Selection Set:

Option:	Export Value:	Definition:
Safeline (Maquet)	8	
X Coating (Terumo)	1	
SMARTx (Cobe)	2	
Physio (Sorin)	3	
Other	10	
GBS (Gish)	6	
Duraflow (Baxter)	9	

Carmeda (Medtronic)	4
Bioline (Jostra)	7
Trillium (Medtronic)	5

Long Field Name	System Type	Sequence Number:	240
Short Field Name:	SysType	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the term that best describes type of venous reservoir employed in ECC.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	If an open system is used for any portion of the case, please select open system. Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
No venous reservoir	3	
Closed	2	
Open	1	

Long Field Name	Augmented Venous Drainage	Sequence Number:	250
Short Field Name:	VenDrainAug	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate whether augmented venous drainage was used for any portion of the cardiopulmonary bypass period.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes			

Field Selection Set:

Option:	Export Value:	Definition:
None	0	No augmented venous drainage employed
Vacuum	1	An external vacuum source was applied to the venous reservoir
Kinetic	2	Venous return was actively removed from the patient by employing some type of pump, must usually a centrifugal pump.

Long Field Name	Arterial Pumphead	Sequence Number:	260
Short Field Name:	ArtPump	Parent Field:	CPB Utilization
Data Type (Length)	Text	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the term that best describes the class of pump used to provide systemic circulation.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
Revolution (Sorin)	4	
Capiox (Terumo)	6	
Rotaflo (Jostra)	2	
Roller pump	1	
Biomedicus (Medtronic)	3	
Sarns (Terumo)	5	

Long Field Name	Autotransfusion Device Used	Sequence Number:	270
Short Field Name:	ATSused	Parent Field:	
Data Type (Length)	Integer	Parent Value:	
Format			
Definition	Indicate the manufacturer and model of the autotransfusion device used.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes			

Field Selection Set:

Option:	Export Value:	Definition:
Haemonetics Cell Saver V	2	
Sorin Brat II	4	
None	1	
Haemonetics Elite	3	
Other	8	
Medtronic Autolog	7	
Fresenius CATS	6	
Sorin Xtra	5	

Long Field Name	Pulsatile Perfusion Used	Sequence Number:	280
Short Field Name:	PulsPerf	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the presence of any active generation of a bi-phasic arterial pulse wave form initiated by an arterial pump (roller or centrifugal) during cardiopulmonary bypass.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	If pulsatile perfusion is employed for any portion of the case, please select Yes to pulsatile perfusion Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
Yes	1	
No	0	

Long Field Name	Static Volume	Sequence Number:	290
Short Field Name:	StaticVol	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	The purpose of this field is to capture the obligatory dead space of the circuit that must be fluid filled at the end of the case. The minimum volume of fluid necessary to prime a given bypass circuit from tip to tip at a no-flow state. This value is independent of the net priming volume after RAP, draining the venous line or other maneuvers to minimize hemodilution. Prebypass filters that are not part of the circuit exposed to the patient should also be excluded. Cardioplegia circuits should be included. This value may be available from your tubing pack vendor and should be used if possible.		
Validation Notes	Usual: 200-1800 Valid: 1-2500		
Other Notes			

Field Selection Set:

Option:	Export Value:	Definition:
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Long Field Name	Prime Saline volume	Sequence Number:	300
Short Field Name:	NSSaline	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the volume of saline solution to the nearest ml used to prime the extracorporeal circuit. This value is independent of the net priming volume after RAP, draining the venous line or other maneuvers to minimize hemodilution.		
Validation Notes	Valid: 0-3000 Usual: 0-2000		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Prime Lactated Ringers Volume	Sequence Number:	310
Short Field Name:	NSLactRing	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the volume of lactated ringers solution to the nearest ml used to prime the extracorporeal circuit. This value is independent of the net priming volume after RAP, draining the venous line or other maneuvers to minimize hemodilution.		
Validation Notes	Valid: 0-3000 Usual: 0-2000		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Prime Balanced Electrolyte Sol Volume	Sequence Number:	320
Short Field Name:	PrimeElectrolyteVo	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the volume of balanced electrolyted solution (plasmalyte, normosol etc.) to the nearest ml used to prime the extracorporeal circuit. This value is independent of the net priming volume after RAP, draining the venous line or other maneuvers to minimize hemodilution.		
Validation Notes	Valid: 0-3000 Usual: 0-2000		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Prime Hartmanns Volume	Sequence Number:	330
Short Field Name:	NSHartmanns	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the volume of Hartmann's solution to the nearest ml used to prime the extracorporeal circuit. This value is independent of the net priming volume after RAP, draining the venous line or other maneuvers to minimize hemodilution.		
Validation Notes	Valid: 0-3000 Usual: 0-2000		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Prime Albumin 5% Volume	Sequence Number:	340
Short Field Name:	NSAlbumin5	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the volume to the nearest mL of 5% albumin solution used to prime the extracorporeal circuit.		
Validation Notes	Valid: 0-1500 Usual: 0-500		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Prime Albumin 25% Volume	Sequence Number:	350
Short Field Name:	NSAlbumin25	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the volume to the nearest mL of 25% Albumin solution used to prime the extracorporeal circuit.		
Validation Notes	Valid: 0-1500 Usual: 0-500		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Prime Starch solution Volume	Sequence Number:	360
Short Field Name:	NSHetastarch	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the volume to the nearest mL of starch solution used to prime the extracorporeal circuit.		
Validation Notes	Valid: 0-1500 Usual: 0-500		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Heparin Dose	Sequence Number:	370
Short Field Name:	NSHeparinTVol	Parent Field:	CPB Utilization
Data Type (Length)	Double (Non-integer) 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate dosage amount (e.g. 5000, 12.5) for each medication that is added to pump prime.		
Validation Notes	Valid: >0		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Heparin Volume	Sequence Number:	380
Short Field Name:	NSHeparinTDose	Parent Field:	CPB Utilization
Data Type (Length)	Integer 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate volume (mLs) for each medication that is added to pump prime.		
Validation Notes	Usual: 0-200 Valid: 0-500		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Mannitol Dose	Sequence Number:	390
Short Field Name:	NSMannitolTVol	Parent Field:	CPB Utilization
Data Type (Length)	Double (Non-integer) 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate dosage amount (e.g. 5000, 12.5) for each medication that is added to pump prime.		
Validation Notes	Valid: >0		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Mannitol Volume	Sequence Number:	400
Short Field Name:	NSMannitolTDose	Parent Field:	CPB Utilization
Data Type (Length)	Integer 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate volume (mLs) for each medication that is added to pump prime.		
Validation Notes	Usual: 0-200 Valid: 0-500		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Sodium Bicarbonate Dose	Sequence Number:	410
Short Field Name:	NSNABiVol	Parent Field:	CPB Utilization
Data Type (Length)	Double (Non-integer) 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate dosage amount (e.g. 5000, 12.5) for each medication that is added to pump prime.		
Validation Notes	Valid: >0		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Sodium Bicarbonate Volume	Sequence Number:	420
Short Field Name:	NSNABiTDose	Parent Field:	CPB Utilization
Data Type (Length)	Integer 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate volume (mLs) for each medication that is added to pump prime.		
Validation Notes	Usual: 0-200 Valid: 0-500		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Prime Med 1 Name	Sequence Number:	430
Short Field Name:	NSPrMedName1	Parent Field:	CPB Utilization
Data Type (Length)	Text 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the generic name for each medication in the extracorporeal circuit prime including the dosage unit.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option: **Export Value:** **Definition:**

Metoprolol	500
Methylprednisolone	120
Piperacillin/tazobactam sodium	570
Nafcillin sodium	510
NITROGLYCERIN	130
NITROPRUSSIDE SS	140
Phentolamine mesylate	530
PHENYLEPHRINE	150
Physostigmine	540
Phytonadione	550
Piperacillin sodium	560
Neostigmine methylsulfate	520
Potassium chloride	160
Procainamide	580
RANITIDINE HCL	170
Sodium Bicarbonate	180

SOLUMEDROL	190
Tetracaine hcl	590
THAM	600
Thiopental sodium	610
Tranexamic Acid	620
Trimethoprim/Sulfamethahexazo	630
VASOPRESSIN	200
Doxycycline hyclate	360
Mannitol 25%	110
Vancomycin hcl	640
Bivalirudin	240
Clindamycin phosphate/d5w	350
Ciprofloxacin hcl	340
Cefuroxime sodium	330
Ceftazidime pentahydrate	310
CEFPODOXIME PROXETIL	300
Amiodarone	10
Ampicillin	210
Dexamethasone	40
Argatroban	230
Ceftriaxone	320
MAGNESIUM SO4 BOLUS	100
Bumetanide	250
Enoximone	650
Calcium	30
Calcium Gluconate	260
Cefazolin sodium	270
Cefotaxime sodium	280
CEFOXITIN	290
Aprotinin	220
Glycopyrrolate	440
Lidocaine	90
Levofloxacin	490
Levetiracetam (Keppra)	480
Lepirudin	470
Labetalol SS	460
Heparin sodium (porcine)	80
Diphenhydramine hcl	50
GLYBURIDE	430
Glucagon	420
Gentamicin sulfate	410
Erythromycin lactobionate	380
Insulin	450
Droperidol	370
FUROSEMIDE	70
Esmolol	390
Famotadine	60
Fenoldopam	400
Aminocaproic acid	20

Long Field Name Prime Med 1 Dose **Sequence Number:** 440

Short Field Name: NSPMedDose1 **Parent Field:** CPB Utilization

Data Type (Length) Double (Non-integer) 0 **Parent Value:** "Combination" or "Full"

Format

Definition Indicate dosage amount (e.g. 5000, 12.5) for each medication that is added to pump prime.

Validation Notes Valid: >0

Other Notes

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name Prime Med 1 Volume **Sequence Number:** 450

Short Field Name: NPSMedVol1 **Parent Field:** CPB Utilization

Data Type (Length) Integer 0 **Parent Value:** "Combination" or "Full"

Format

Definition Indicate volume (mLs) for each medication that is added to pump prime.

Validation Notes Usual: 0-200
Valid: 0-500

Other Notes

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name Prime Med 2 Name **Sequence Number:** 460

Short Field Name: NSPrMedName2 **Parent Field:** CPB Utilization

Data Type (Length) Text 0 **Parent Value:** "Combination" or "Full"

Format

Definition Indicate the generic name for each medication in the extracorporeal circuit prime including the dosage unit.

Validation Notes Must be selected from the specified selection set.

Other Notes Exported as a numerical value. See selection set.

Field Selection Set:

Option: **Export Value:** **Definition:**

Option:	Export Value:	Definition:
Nafcillin sodium	510	
THAM	600	
Levetiracetam (Kepra)	480	
Levofloxacin	490	
Lidocaine	90	
MAGNESIUM SO4 BOLUS	100	
Mannitol 25%	110	
Methylprednisolone	120	
Metoprolol	500	
Potassium chloride	160	
Glycopyrrolate	440	
VASOPRESSIN	200	
Vancomycin hcl	640	
Trimethoprim/Sulfamethahexazo	630	
Tranexamic Acid	620	
Thiopental sodium	610	

Tetracaine hcl	590
Sodium Bicarbonate	180
SOLUMEDROL	190
Procainamide	580
Neostigmine methylsulfate	520
Piperacillin/tazobactam sodium	570
Piperacillin sodium	560
Phytonadione	550
Physostigmine	540
PHENYLEPHRINE	150
Phentolamine mesylate	530
NITROPRUSSIDE SS	140
NITROGLYCERIN	130
RANITIDINE HCL	170
Calcium	30
Cefuroxime sodium	330
Ceftriaxone	320
Ceftazidime pentahydrate	310
CEFPODOXIME PROXETIL	300
CEFOXITIN	290
Cefotaxime sodium	280
Ciprofloxacin hcl	340
Calcium Gluconate	260
Ampicillin	210
Bumetanide	250
Bivalirudin	240
Argatroban	230
Aprotinin	220
Amiodarone	10
Insulin	450
Lepirudin	470
Cefazolin sodium	270
Famotadine	60
Clindamycin phosphate/d5w	350
Aminocaproic acid	20
GLYBURIDE	430
Glucagon	420
Gentamicin sulfate	410
Labetalol SS	460
Fenoldopam	400
Heparin sodium (porcine)	80
Esmolol	390
Erythromycin lactobionate	380
Enoximone	650
Droperidol	370
Doxycycline hyclate	360
Diphenhydramine hcl	50
Dexamethasone	40
FUROSEMIDE	70

Long Field Name	Prime Med 2 Dose	Sequence Number:	470
Short Field Name:	NSPMedDose2	Parent Field:	CPB Utilization
Data Type (Length)	Double (Non-integer) 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate dosage amount (e.g. 5000, 12.5) for each medication that is added to pump prime.		
Validation Notes	Valid: >0		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Prime Med 2 Volume	Sequence Number:	480
Short Field Name:	NPSMedVol2	Parent Field:	CPB Utilization
Data Type (Length)	Integer 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate volume (mLs) for each medication that is added to pump prime.		
Validation Notes	Usual: 0-200 Valid: 0-500		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Prime Med 3 Name	Sequence Number:	490
Short Field Name:	NSPrMedName3	Parent Field:	CPB Utilization
Data Type (Length)	Text 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the generic name for each medication in the extracorporeal circuit prime including the dosage unit.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option: **Export Value:** **Definition:**

Methylprednisolone	120
Phentolamine mesylate	530
NITROPRUSSIDE SS	140
NITROGLYCERIN	130
Neostigmine methylsulfate	520
Nafcillin sodium	510
Lepirudin	470
Labetalol SS	460
PHENYLEPHRINE	150
Tetracaine hcl	590
MAGNESIUM SO4 BOLUS	100
Lidocaine	90
Levofloxacin	490
Levetiracetam (Keppra)	480
Insulin	450
SOLUMEDROL	190

VASOPRESSIN	200
Mannitol 25%	110
Heparin sodium (porcine)	80
Vancomycin hcl	640
Trimethoprim/Sulfamethahexazo	630
Tranexamic Acid	620
Sodium Bicarbonate	180
THAM	600
Physostigmine	540
RANITIDINE HCL	170
Procainamide	580
Potassium chloride	160
Piperacillin/tazobactam sodium	570
Piperacillin sodium	560
Phytonadione	550
Thiopental sodium	610
Bumetanide	250
Ceftazidime pentahydrate	310
CEFPODOXIME PROXETIL	300
CEFOXITIN	290
Cefotaxime sodium	280
Cefazolin sodium	270
Ceftriaxone	320
Calcium	30
Ampicillin	210
Bivalirudin	240
Argatroban	230
Aprotinin	220
Amiodarone	10
Glycopyrrolate	440
Metoprolol	500
Calcium Gluconate	260
Fenoldopam	400
Cefuroxime sodium	330
Glucagon	420
GLYBURIDE	430
Gentamicin sulfate	410
Aminocaproic acid	20
FUROSEMIDE	70
Famotadine	60
Esmolol	390
Erythromycin lactobionate	380
Enoximone	650
Droperidol	370
Doxycycline hyclate	360
Diphenhydramine hcl	50
Dexamethasone	40
Clindamycin phosphate/d5w	350
Ciprofloxacin hcl	340

Long Field Name	Prime Med 3 Dose	Sequence Number:	500
Short Field Name:	NSPMedDose3	Parent Field:	CPB Utilization
Data Type (Length)	Double (Non-integer) 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate dosage amount (e.g. 5000, 12.5) for each medication that is added to pump prime.		
Validation Notes	Valid: >0		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Prime Med 3 Volume	Sequence Number:	510
Short Field Name:	NPSMedVol3	Parent Field:	CPB Utilization
Data Type (Length)	Integer 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate volume (mLs) for each medication that is added to pump prime.		
Validation Notes	Usual: 0-200 Valid: 0-500		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Prime Med 4 Name	Sequence Number:	520
Short Field Name:	NSPrMedName4	Parent Field:	CPB Utilization
Data Type (Length)	Text 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the generic name for each medication in the extracorporeal circuit prime including the dosage unit.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option: Export Value: Definition:

Option:	Export Value:	Definition:
Levetiracetam (Keppra)	480	
Lepirudin	470	
Labetalol SS	460	
Insulin	450	
Levofloxacin	490	
Heparin sodium (porcine)	80	
Glycopyrrolate	440	
GLYBURIDE	430	
Lidocaine	90	
Gentamicin sulfate	410	
NITROPRUSSIDE SS	140	
FUROSEMIDE	70	
Glucagon	420	
MAGNESIUM SO4 BOLUS	100	
Mannitol 25%	110	
Methylprednisolone	120	

Metoprolol	500
Nafcillin sodium	510
Neostigmine methylsulfate	520
Phytonadione	550
Phentolamine mesylate	530
PHENYLEPHRINE	150
Physostigmine	540
Fenoldopam	400
Calcium	30
NITROGLYCERIN	130
Ceftazidime pentahydrate	310
THAM	600
Aminocaproic acid	20
Amiodarone	10
Ampicillin	210
Aprotinin	220
Argatroban	230
Bivalirudin	240
Bumetanide	250
Calcium Gluconate	260
Cefotaxime sodium	280
Cefazolin sodium	270
CEFPODOXIME PROXETIL	300
Famotadine	60
Ceftriaxone	320
Cefuroxime sodium	330
Ciprofloxacin hcl	340
Clindamycin phosphate/d5w	350
Dexamethasone	40
Diphenhydramine hcl	50
Doxycycline hyclate	360
Droperidol	370
Enoximone	650
Erythromycin lactobionate	380
Esmolol	390
CEFOXITIN	290
Trimethoprim/Sulfamethahexazo	630
Piperacillin sodium	560
Vancomycin hcl	640
Tranexamic Acid	620
Thiopental sodium	610
SOLUMEDROL	190
Sodium Bicarbonate	180
RANITIDINE HCL	170
Procainamide	580
Potassium chloride	160
Tetracaine hcl	590
Piperacillin/tazobactam sodium	570
VASOPRESSIN	200

Long Field Name	Prime Med 4 Dose	Sequence Number:	530
Short Field Name:	NSPMedDose4	Parent Field:	CPB Utilization
Data Type (Length)	Double (Non-integer)	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate dosage amount (e.g. 5000, 12.5) for each medication that is added to pump prime.		
Validation Notes	Valid: >0		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Prime Med 4 Volume	Sequence Number:	540
Short Field Name:	NPSMedVol4	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate volume (mLs) for each medication that is added to pump prime.		
Validation Notes	Usual: 0-200 Valid: 0-500		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Prime Med 5 Name	Sequence Number:	550
Short Field Name:	NSPrMedName5	Parent Field:	CPB Utilization
Data Type (Length)	Text	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the generic name for each medication in the extracorporeal circuit prime including the dosage unit.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option: **Export Value:** **Definition:**

Methylprednisolone	120
Metoprolol	500
Nafcillin sodium	510
Neostigmine methylsulfate	520
NITROPRUSSIDE SS	140
Mannitol 25%	110
NITROGLYCERIN	130
MAGNESIUM SO4 BOLUS	100
Lidocaine	90
Levofloxacin	490
Levetiracetam (Kepra)	480
Phentolamine mesylate	530
Labetalol SS	460
Sodium Bicarbonate	180
Lepirudin	470
RANITIDINE HCL	170

Vancomycin hcl	640
Trimethoprim/Sulfamethahexazo	630
Tranexamic Acid	620
Thiopental sodium	610
THAM	600
Tetracaine hcl	590
Procainamide	580
Esmolol	390
PHENYLEPHRINE	150
Insulin	450
Potassium chloride	160
Piperacillin/tazobactam sodium	570
Piperacillin sodium	560
Phytonadione	550
Physostigmine	540
SOLUMEDROL	190
Bumetanide	250
Ceftazidime pentahydrate	310
CEFPODOXIME PROXETIL	300
CEFOXITIN	290
Cefotaxime sodium	280
Cefazolin sodium	270
Fenoldopam	400
Calcium	30
Ciprofloxacin hcl	340
Bivalirudin	240
Argatroban	230
Aprotinin	220
Ampicillin	210
Amiodarone	10
Aminocaproic acid	20
Calcium Gluconate	260
Enoximone	650
Glycopyrrolate	440
GLYBURIDE	430
Glucagon	420
Gentamicin sulfate	410
FUROSEMIDE	70
Famotadine	60
Ceftriaxone	320
Erythromycin lactobionate	380
Cefuroxime sodium	330
Droperidol	370
Doxycycline hyclate	360
Diphenhydramine hcl	50
Dexamethasone	40
Clindamycin phosphate/d5w	350
Heparin sodium (porcine)	80
VASOPRESSIN	200

Long Field Name	<input type="text" value="Prime Med 5 Dose"/>	Sequence Number:	<input type="text" value="560"/>
Short Field Name:	<input type="text" value="NSPMedDose5"/>	Parent Field:	<input type="text" value="CPB Utilization"/>
Data Type (Length)	<input type="text" value="Double (Non-integer)"/> <input type="text" value="0"/>	Parent Value:	<input \"full\""="" combination\"="" or="" type="text" value="\"/>
Format	<input type="text"/>		
Definition	Indicate dosage amount (e.g. 5000, 12.5) for each medication that is added to pump prime.		
Validation Notes	Valid: >0		
Other Notes	<input type="text"/>		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	<input type="text" value="Prime Med 5 Volume"/>	Sequence Number:	<input type="text" value="570"/>
Short Field Name:	<input type="text" value="NPSMedVol5"/>	Parent Field:	<input type="text" value="CPB Utilization"/>
Data Type (Length)	<input type="text" value="Integer"/> <input type="text" value="0"/>	Parent Value:	<input \"full\""="" combination\"="" or="" type="text" value="\"/>
Format	<input type="text"/>		
Definition	Indicate volume (mLs) for each medication that is added to pump prime.		
Validation Notes	Usual: 0-200 Valid: 0-500		
Other Notes	<input type="text"/>		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	<input type="text" value="Prime Med 6 Name"/>	Sequence Number:	<input type="text" value="575"/>
Short Field Name:	<input type="text" value="NSPrMedName6"/>	Parent Field:	<input type="text" value="CPB Utilization"/>
Data Type (Length)	<input type="text" value="Text"/> <input type="text" value="0"/>	Parent Value:	<input \"full\""="" combination\"="" or="" type="text" value="\"/>
Format	<input type="text"/>		
Definition	Indicate the generic name for each medication in the extracorporeal circuit prime including the dosage unit.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option: **Export Value:** **Definition:**

Heparin sodium (porcine)	80
NITROPRUSSIDE SS	140
NITROGLYCERIN	130
Neostigmine methylsulfate	520
Nafcillin sodium	510
Metoprolol	500
PHENYLEPHRINE	150
Mannitol 25%	110
Physostigmine	540
Lidocaine	90
Levetiracetam (Kepra)	480
Lepirudin	470
Labetalol SS	460
Insulin	450
Methylprednisolone	120
Sodium Bicarbonate	180

VASOPRESSIN	200
Vancomycin hcl	640
Trimethoprim/Sulfamethahexazo	630
Tranexamic Acid	620
Thiopental sodium	610
THAM	600
Phentolamine mesylate	530
SOLUMEDROL	190
Levofloxacin	490
RANITIDINE HCL	170
Procainamide	580
Potassium chloride	160
Piperacillin/tazobactam sodium	570
Piperacillin sodium	560
Phytonadione	550
Tetracaine hcl	590
Bumetanide	250
Ceftazidime pentahydrate	310
CEFPODOXIME PROXETIL	300
CEFOXITIN	290
Cefotaxime sodium	280
Glycopyrrolate	440
Ceftriaxone	320
MAGNESIUM SO4 BOLUS	100
Cefazolin sodium	270
Bivalirudin	240
Argatroban	230
Aprotinin	220
Ampicillin	210
Amiodarone	10
Aminocaproic acid	20
Calcium Gluconate	260
Glucagon	420
Calcium	30
GLYBURIDE	430
Cefuroxime sodium	330
Gentamicin sulfate	410
FUROSEMIDE	70
Fenoldopam	400
Famotadine	60
Esmolol	390
Enoximone	650
Droperidol	370
Doxycycline hyclate	360
Diphenhydramine hcl	50
Dexamethasone	40
Clindamycin phosphate/d5w	350
Ciprofloxacin hcl	340
Erythromycin lactobionate	380

Long Field Name	Prime Med 6 Dose	Sequence Number:	580
Short Field Name:	NSPMedDose6	Parent Field:	CPB Utilization
Data Type (Length)	Double (Non-integer) <input type="text" value="0"/>	Parent Value:	"Combination" or "Full"
Format	<input type="text"/>		
Definition	Indicate dosage amount (e.g. 5000, 12.5) for each medication that is added to pump prime.		
Validation Notes	Valid: >0		
Other Notes	<input type="text"/>		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Prime Med 6 Volume	Sequence Number:	590
Short Field Name:	NPSMedVol6	Parent Field:	CPB Utilization
Data Type (Length)	Integer <input type="text" value="0"/>	Parent Value:	"Combination" or "Full"
Format	<input type="text"/>		
Definition	Indicate volume (mLs) for each medication that is added to pump prime.		
Validation Notes	Usual: 0-200 Valid: 0-500		
Other Notes	<input type="text"/>		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Prime RBC units	Sequence Number:	600
Short Field Name:	RBCPrimeUnits	Parent Field:	CPB Utilization
Data Type (Length)	Integer <input type="text" value="0"/>	Parent Value:	"Combination" or "Full"
Format	<input type="text"/>		
Definition	Indicate the number of units of RBCs that were included in the initial prime volume delivered to the patient. In addition, include these units in the CPB RBC count.		
Validation Notes	Usual: 0-3 Valid: 0-8		
Other Notes	<input type="text"/>		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Prime FFP units	Sequence Number:	610
Short Field Name:	FFPPrimeUnits	Parent Field:	CPB Utilization
Data Type (Length)	Integer <input type="text" value="0"/>	Parent Value:	"Combination" or "Full"
Format	<input type="text"/>		
Definition	Indicate the number of units of fresh frozen plasma that were included in the initial prime volume delivered to the patient. In addition, include these units in the CPB fresh frozen plasma count.		
Validation Notes	Usual: 0-3 Valid: 0-8		
Other Notes	<input type="text"/>		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Prime Total Volume	Sequence Number:	620
Short Field Name:	TotPrimVol	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the total amount of fluid (mLs) used to prepare (prime) the CPB circuit. Include total crystalloid, colloid, blood products(s) and medication volumes prior to performing RAP or alternative strategies to minimize hemodilution.		
Validation Notes	Usual: 0-2000 Valid: 0-4000		
Other Notes	Include RBC and/or FFP volume. Include cardioplegia prime volume.		

Field Selection Set:

Option:

Export Value: Definition:

Section Name Bypass Details

Description

Long Field Name	CPB Utilization	Sequence Number:	630
Short Field Name:	CPBUtil	Parent Field:	
Data Type (Length)	Integer	Parent Value:	
Format			
Definition	Indicate the level of CPB or coronary perfusion used during the procedure.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes			

Field Selection Set:

Option:

Export Value: Definition:

Combination	2	With or without CPB and/or with or without coronary perfusion at any time during the procedure (capture conversions from off-pump to on-pump only): At start of procedure: No CPB/No Coronary Perfusion -> conversion to -> CPB At start of procedure: No
Full	3	CPB or coronary perfusion was used for the entire procedure
None	1	No CPB or coronary perfusion used during the procedure.

Long Field Name	Pump Time	Sequence Number:	640
Short Field Name:	ByPumpTm	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the perfusion time in minutes. Perfusion time is defined as an accumulated total of CPB and/or coronary perfusion assist minutes. This time should include any periods of circulatory arrest.		
Validation Notes	Usual:0-250 Valid: 0-999		
Other Notes	Sum of all periods of cardiopulmonary bypass.		

Field Selection Set:

Option:

Export Value: Definition:

Long Field Name	Clamp Time	Sequence Number:	650
Short Field Name:	XCLampTm	Parent Field:	Clamp / Arrest Type
Data Type (Length)	Integer	Parent Value:	Yes, Cardioplegia
Format			
Definition	Indicate the total number of minutes the aorta is completely cross clamped during bypass. Minutes should not be recorded if partial cross clamp is the highest level of occlusion.		
Validation Notes	Usual:1-150 Valid: 1 -999		
Other Notes	Sum of all periods of cardiac ischemia time - typically when a mechanical clamp is placed across the ascending aorta isolating the heart from the rest of the circulation.		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Circulatory Arrest Y/N	Sequence Number:	660
Short Field Name:	CircArr	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate whether or not there was a circulatory arrest time recorded on the perfusion record or operative record.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option: **Export Value:** **Definition:**

No	0
Yes	1

Long Field Name	Circulatory Arrest Time	Sequence Number:	670
Short Field Name:	DHCATm	Parent Field:	Circulatory Arrest Y/N
Data Type (Length)	Integer	Parent Value:	"Yes"
Format			
Definition	Indicate the total circulatory arrest time in minutes. Circulatory arrest time is recorded in the perfusion record or operative record and indicates the time the patient's systemic circulation was interrupted.		
Validation Notes	Usual: 0-40 Valid: 0-120		
Other Notes	Sum of all periods of circulatory arrest.		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Return To Bypass	Sequence Number:	680
Short Field Name:	BypassReturn	Parent Field:	BypassReturn
Data Type (Length)	Integer	Parent Value:	
Format			
Definition	After initial complete separation (termination) of CPB, indicate whether reinstatement of CPB was necessitated by patient instability.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
Yes	1	
No	0	

Long Field Name	Bypass Additional Minutes	Sequence Number:	690
Short Field Name:	ByClampTm	Parent Field:	Return To Bypass
Data Type (Length)	Integer	Parent Value:	"Yes"
Format			
Definition	Indicate the sum of all additional cardiopulmonary bypass periods (in minutes). Exclude original (first) cardiopulmonary bypass period(run).		
Validation Notes	Usual: 1-99 Valid: 1-999		
Other Notes	Sum of all cardiopulmonary bypass periods excluding the original (first) period.		

Field Selection Set:

Option:	Export Value:	Definition:
Yes	1	
No	0	

Long Field Name	Return to bypass reason: Hemodynamic Instability	Sequence Number:	700
Short Field Name:	ReturnCPBInstab	Parent Field:	Return to bypass
Data Type (Length)	Integer	Parent Value:	"Yes"
Format			
Definition	Indicate if bypass was reinitiated after initial separation due to hemodynamic instability.		
Validation Notes			
Other Notes			

Field Selection Set:

Option:	Export Value:	Definition:
Yes	1	
No	0	

Long Field Name	Return to bypass reason: Technical Graft Revision	Sequence Number:	710
Short Field Name:	ReturnCPBTechGr	Parent Field:	Return to bypass
Data Type (Length)	Integer 0	Parent Value:	"Yes"
Format			
Definition	Indicate if bypass was reinitiated after initial separation due to the need to revise a bypass graft.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Return to bypass reason: Respiratory insufficiency	Sequence Number:	715
Short Field Name:	ReturnCPBResplns	Parent Field:	Return to bypass
Data Type (Length)	Integer 0	Parent Value:	"Yes"
Format			
Definition	Indicate if bypass was reinitiated after initial separation due to inability to maintain adequate pulmonary support by mechanical ventilation.		
Validation Notes			
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Yes	1
No	0

Long Field Name	Return to bypass reason: Technical bleeding	Sequence Number:	720
Short Field Name:	ReturnTechBleedi	Parent Field:	Return to bypass
Data Type (Length)	Integer 0	Parent Value:	"Yes"
Format			
Definition	Indicate if bypass was reinitiated after initial separation due to the need to control bleeding.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

No	0
Yes	1

Long Field Name	Return to bypass reason: Technical Valve related	Sequence Number:	730
Short Field Name:	ReturnCPBTechVal	Parent Field:	Return to bypass
Data Type (Length)	Integer 0	Parent Value:	"Yes"
Format			
Definition	Indicate if bypass was reinitiated after initial separation due to the need to revise the a valve repair or replacement.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Return to bypass reason: Other	Sequence Number:	740
Short Field Name:	ReturnCPBOther	Parent Field:	Return to bypass
Data Type (Length)	Integer 0	Parent Value:	"Yes"
Format			
Definition	Indicate if bypass was reinitiated after initial separation due to reasons other than hemodynamic instability, respiratory insufficiency or technical issues.		
Validation Notes			
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Yes	1
No	0

Long Field Name	Return To Bypass Other reason	Sequence Number:	750
Short Field Name:	ReturnCPBOtherR	Parent Field:	Return to bypass reason: Other
Data Type (Length)	Text 0	Parent Value:	"Yes"
Format			
Definition	Indicate the other reason that bypass was reinitiated after initial separation.		
Validation Notes			
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Clamp / Arrest Type	Sequence Number:	760
Short Field Name:	ClampArrst	Parent Field:	CPB Utilization
Data Type (Length)	Integer 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the method used to arrest the heart and obstruct blood flow to the surgical field.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	If a large systemic dose of potassium is given to arrest the heart prior to the onset of circulatory arrest, please indicate "Yes, Cardioplegia".		

Field Selection Set:

Option: **Export Value:** **Definition:**

Yes, Cardioplegia	1
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None 3
 Yes. Vfibr 2

Long Field Name	Cardioplegia Solution	Sequence Number:	770
Short Field Name:	CardSol	Parent Field:	Clamp / Arrest Type
Data Type (Length)	Integer 0	Parent Value:	Yes, Cardioplegia
Format			
Definition	Indicate the ratio of blood to crystalloid (medications) components of the cardioplegia used. If multiple ratios are used for maintenance, please indicate as variable ratio. Disregard any doses that do not contain medication additives (straight blood).		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
1:1	1	
Crystalloid (custodial)	8	
None	7	
Crystalloid	5	
4:1	3	
8:1	4	
2:1	2	
Microplegia	9	
Variable	6	

Long Field Name	Cardioplegia Regime	Sequence Number:	780
Short Field Name:	CardReg	Parent Field:	Clamp / Arrest Type
Data Type (Length)	Integer 0	Parent Value:	Yes, Cardioplegia
Format			
Definition	Indicate the frequency of cardioplegia delivery during the cardiac arrest period.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
Intermittent	2	
Continuous	1	

Long Field Name	Induction Temperature	Sequence Number:	790
Short Field Name:	InducTemp	Parent Field:	Clamp / Arrest Type
Data Type (Length)	Integer 0	Parent Value:	Yes, Cardioplegia
Format			
Definition	Indicate the temperature for the induction dose(s) of cardioplegia. Induction doses are those that are used to create electrical cardiac arrest. They do not include doses that are designed to simply maintain electric arrest (maintenance doses) or any doses that are given to reperfuse the heart in a controlled manner (Hot Shot or warm reperfusion). The initial dose can be interrupted briefly to allow multiple directions of infusion. If both warm and cold cardioplegia delivery temperatures are used during induction cardioplegia dose, record the delivery temperature (category) that is first used to arrest the heart.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
Warm	3	>32 degrees celcius
Tepid	2	>=28 degrees celcius and <=32 degrees celcius

Cold 1 <28 degrees celcius

Long Field Name	Induction Route	Sequence Number:	800
Short Field Name:	InducRte	Parent Field:	Clamp / Arrest Type
Data Type (Length)	Integer 0	Parent Value:	Yes, Cardioplegia
Format			
Definition	Indicate the route of cardioplegia administration for the induction(first) dose of cardioplegia. Induction doses are those that are used to create electrical cardiac arrest. They do not include doses that are designed to simply maintain electric arrest (maintenance doses) or any doses that are given to reperfuse the heart in a controlled manner (Hot Shot or warm reperfusion). The initial dose can be interrupted briefly to allow multiple directions of infusion.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
Retrograde	2	
Both	3	
Antegrade	1	

Long Field Name	Maintenance Temperature	Sequence Number:	810
Short Field Name:	MaintnTemp	Parent Field:	Maintenance Route
Data Type (Length)	Integer 0	Parent Value:	"Antegrade" or "Retrograde" or "Both"
Format			
Definition	Indicate the temperature for maintenance (subsequent) dose(s) of cardioplegia. Maintenance doses are those that are used to maintain the electrical cardiac arrest. They do not include doses that are designed to initially cause electric arrest (arresting doses) or any doses that are given to reperfuse the heart in a controlled manner (Hot Shot or warm reperfusion).		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
Warm	3	>32 degrees celcius
Tepid	2	>=28 degrees celcius and <=32 degrees celcius
Cold	1	<28 degrees celcius

Long Field Name	Maintenance Route	Sequence Number:	820
Short Field Name:	MaintnRte	Parent Field:	Clamp / Arrest Type
Data Type (Length)	Integer 0	Parent Value:	Yes, Cardioplegia
Format			
Definition	Indicate the route of cardioplegia administration for maintenance (subsequent) dose(s) of cardioplegia.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
None	4	
Antegrade	1	
Retrograde	2	
Both	3	

Long Field Name	Hot Shot Used Y/N	Sequence Number:	830
Short Field Name:	HotShot	Parent Field:	Clamp / Arrest Type
Data Type (Length)	Integer	Parent Value:	Yes, Cardioplegia
Format			
Definition	Indicate whether the terminal dose of cardioplegia was characterized as a 'hot shot' dose of cardioplegia. 'Hot shot' refers to a warm temperature cardioplegia solution.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
No	0	
Yes	1	

Long Field Name	Total Cardioplegia Volume	Sequence Number:	840
Short Field Name:	TotCardVol	Parent Field:	Clamp / Arrest Type
Data Type (Length)	Integer	Parent Value:	Yes, Cardioplegia
Format			
Definition	Indicate the total cardioplegia volume (mLs) given. Include both crystalloid and blood volumes. If blood only is used (e.g. hot shot), include this volume.		
Validation Notes	Usual: 1-9999 Valid: 1-99999		
Other Notes	This is the sum of all doses. This includes both the blood and the medication portion of the cardioplegia.		

Field Selection Set:

Option:	Export Value:	Definition:

Long Field Name	Proximal Technique	Sequence Number:	850
Short Field Name:	ProxTech	Parent Field:	Procedure Type
Data Type (Length)	Integer	Parent Value:	"CAB" or "CAB + Valve" or "Other"
Format			
Definition	Indicate the method of creating a bloodless field for the creation of aorta to bypass conduits connections.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
Reperfusion	2	
Single Clamp	1	
None	3	

Long Field Name	TEE Assessment Y/N	Sequence Number:	860
Short Field Name:	AorAssessTEE	Parent Field:	
Data Type (Length)	Boolean	Parent Value:	
Format			
Definition	Indicate if transesophageal echocardiography was used to assess the level of preexisting calcification of the preferred aortic cannulation site prior to the start of cannulation.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
No	0	
Yes	1	

Long Field Name	Epiaortic Assessment Y/N	Sequence Number:	870
Short Field Name:	AorAssessEpi	Parent Field:	
Data Type (Length)	Boolean	Parent Value:	
Format			
Definition	Indicate if epicardial echocardiography was used to assess the level of preexisting calcification of the preferred aortic cannulation site prior to the start of cannulation.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
No	0	
Yes	1	

Long Field Name	Palpation Assessment Y/N	Sequence Number:	880
Short Field Name:	AorAssessPal	Parent Field:	
Data Type (Length)	Boolean	Parent Value:	
Format			
Definition	Indicate if direct palpation was used to assess the level of preexisting calcification of the preferred aortic cannulation site prior to the start of cannulation.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
No	0	
Yes	1	

Long Field Name	Aortic Grading	Sequence Number:	890
Short Field Name:	AorGrade	Parent Field:	
Data Type (Length)	Number	Parent Value:	
Format			
Definition	Evaluation of the patient's aorta based on the following scale: Mild= localized thickening less than 3 mm ; Moderate= intimal thickening of 3-5 mm ; Severe= an area of thickening of greater than 5 mm in one or more segments and one or more of the following: marked calcification, protruding or mobile atheroma, ulcerated plaques, thrombi, or circumferential involvement of most or all of the aorta.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
Severe	4	an area of thickening of greater than 5 mm in one or more segments and one or more of the following: marked calcification, protruding or mobile atheroma, ulcerated plaques, thrombi, or circumferential involvement of most or all of the aorta.
None	1	No evidence of aortic disease at the cannulation site
Mild	2	localized thickening less than 3 mm
Impenetrable	5	
Moderate	3	intimal thickening of 3-5 mm

Long Field Name	Cannulation Changed	Sequence Number:	900
Short Field Name:	CannChange	Parent Field:	
Data Type (Length)	Integer	Parent Value:	
Format			
Definition	Indicate whether the cannulation was relocated based on the findings of the precannulation aortic assessment. Relocation to a different spot on the aorta and change to a different cannulation location (ie. Peripheral cannulation) would both qualify as a cannulation change. In addition, if a different type of cannula is selected secondary to the aortic disease state (not due to anatomy), then this would also be classified as a cannulation change.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
No	0	
Yes	1	

Long Field Name	Bladder Highest Temperature	Sequence Number:	910
Short Field Name:	BladderHiCoreTem	Parent Field:	
Data Type (Length)	Double (non-integer)	Parent Value:	
Format	XX.X		
Definition	Indicate the highest temperature in celcius degrees recorded for the site listed as the 'temperature monitoring site'. This can be at any point in the operative period.		
Validation Notes	Usual: 35-37.5 Valid: 34-39		
Other Notes			

Field Selection Set:

Option:	Export Value:	Definition:
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Long Field Name	Bladder Lowest Temperature	Sequence Number:	920
Short Field Name:	BladderLowCoreTe	Parent Field:	
Data Type (Length)	Double (non-integer) 0	Parent Value:	
Format	XX.X		
Definition	Indicate the lowest temperature in celcius degrees recorded for the site listed as the 'temperature monitoring site'. This can be at any point in the operative period.		
Validation Notes	Usual: 18-37.5 Valid: 13-39		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Nasopharyngeal Highest Temperature	Sequence Number:	930
Short Field Name:	NasoHiCoreTemp	Parent Field:	
Data Type (Length)	Double (non-integer) 0	Parent Value:	
Format	XX.X		
Definition	Indicate the highest temperature in celcius degrees recorded for the site listed as the 'temperature monitoring site'. This can be at any point in the operative period.		
Validation Notes	Usual: 35-37.5 Valid: 34-39		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Nasopharyngeal Lowest Temperature	Sequence Number:	940
Short Field Name:	NasoLowCoreTem	Parent Field:	
Data Type (Length)	Double (non-integer) 0	Parent Value:	
Format	XX.X		
Definition	Indicate the lowest temperature in celcius degrees recorded for the site listed as the 'temperature monitoring site'. This can be at any point in the operative period.		
Validation Notes	Usual: 18-37.5 Valid: 13-39		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	<input type="text" value="Esophageal Highest Temperature"/>	Sequence Number:	<input type="text" value="950"/>
Short Field Name:	<input type="text" value="EsoHiCoreTemp"/>	Parent Field:	<input type="text"/>
Data Type (Length)	<input type="text" value="Double (non-integer)"/> <input type="text" value="0"/>	Parent Value:	<input type="text"/>
Format	<input type="text" value="XX.X"/>		
Definition	Indicate the highest temperature in celcius degrees recorded for the site listed as the 'temperature monitoring site'. This can be at any point in the operative period.		
Validation Notes	Usual: 35-37.5 Valid: 34-39		
Other Notes	<input type="text"/>		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	<input type="text" value="Esophageal Lowest Temperature"/>	Sequence Number:	<input type="text" value="960"/>
Short Field Name:	<input type="text" value="EsoLowCoreTemp"/>	Parent Field:	<input type="text"/>
Data Type (Length)	<input type="text" value="Double (non-integer)"/> <input type="text" value="0"/>	Parent Value:	<input type="text"/>
Format	<input type="text" value="XX.X"/>		
Definition	Indicate the lowest temperature in celcius degrees recorded for the site listed as the 'temperature monitoring site'. This can be at any point in the operative period.		
Validation Notes	Usual: 18-37.5 Valid: 13-39		
Other Notes	<input type="text"/>		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	<input type="text" value="Jugular Bulb Highest Temperature"/>	Sequence Number:	<input type="text" value="970"/>
Short Field Name:	<input type="text" value="JugHiCoreTemp"/>	Parent Field:	<input type="text"/>
Data Type (Length)	<input type="text" value="Double (non-integer)"/> <input type="text" value="0"/>	Parent Value:	<input type="text"/>
Format	<input type="text" value="XX.X"/>		
Definition	Indicate the highest temperature in celcius degrees recorded for the site listed as the 'temperature monitoring site'. This can be at any point in the operative period.		
Validation Notes	Usual: 35-37.5 Valid: 34-39		
Other Notes	<input type="text"/>		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Jugular Bulb Lowest Temperature	Sequence Number:	980
Short Field Name:	JugLowCoreTemp	Parent Field:	
Data Type (Length)	Double (non-integer) 0	Parent Value:	
Format	XX.X		
Definition	Indicate the lowest temperature in celcius degrees recorded for the site listed as the 'temperature monitoring site'. This can be at any point in the operative period.		
Validation Notes	Usual: 18-37.5 Valid: 13-39		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Rectal Highest Temperature	Sequence Number:	990
Short Field Name:	RectalHiCoreTemp	Parent Field:	
Data Type (Length)	Double (non-integer) 0	Parent Value:	
Format	XX.X		
Definition	Indicate the highest temperature in celcius degrees recorded for the site listed as the 'temperature monitoring site'. This can be at any point in the operative period.		
Validation Notes	Usual: 35-37.5 Valid: 34-39		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Rectal Lowest Temperature	Sequence Number:	1000
Short Field Name:	RectalLowCoreTe	Parent Field:	
Data Type (Length)	Double (non-integer) 0	Parent Value:	
Format	XX.X		
Definition	Indicate the lowest temperature in celcius degrees recorded for the site listed as the 'temperature monitoring site'. This can be at any point in the operative period.		
Validation Notes	Usual: 18-37.5 Valid: 13-39		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Tympanic Highest Temperature	Sequence Number:	1010
Short Field Name:	TymHiCoreTemp	Parent Field:	
Data Type (Length)	Double (non-integer) <input type="text" value="0"/>	Parent Value:	
Format	XX.X		
Definition	Indicate the highest temperature in celcius degrees recorded for the site listed as the 'temperature monitoring site'. This can be at any point in the operative period.		
Validation Notes	Usual: 35-37.5 Valid: 34-39		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Tympanic Lowest Temperature	Sequence Number:	1020
Short Field Name:	TymLowCoreTemp	Parent Field:	
Data Type (Length)	Double (non-integer) <input type="text" value="0"/>	Parent Value:	
Format	XX.X		
Definition	Indicate the lowest temperature in celcius degrees recorded for the site listed as the 'temperature monitoring site'. This can be at any point in the operative period.		
Validation Notes	Usual: 18-37.5 Valid: 13-39		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Other Highest Temperature	Sequence Number:	1030
Short Field Name:	OtherHiCoreTemp	Parent Field:	
Data Type (Length)	Double (non-integer) <input type="text" value="0"/>	Parent Value:	
Format	XX.X		
Definition	Indicate the highest temperature in celcius degrees recorded for the site listed as the 'temperature monitoring site'. This can be at any point in the operative period.		
Validation Notes	Usual: 35-37.5 Valid: 34-39		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Other Lowest Temperature	Sequence Number:	1040
Short Field Name:	OtherLowCoreTem	Parent Field:	
Data Type (Length)	Double (non-integer) 0	Parent Value:	
Format	XX.X		
Definition	Indicate the lowest temperature in celcius degrees recorded for the site listed as the 'temperature monitoring site'. This can be at any point in the operative period.		
Validation Notes	Usual: 18-37.5 Valid: 13-39		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Highest arterial inflow blood temperature	Sequence Number:	1050
Short Field Name:	TempArterialHigh	Parent Field:	CPB Utilization
Data Type (Length)	Double (non-integer) 0	Parent Value:	"Combination" or "Full"
Format	xx.x		
Definition	Highest temperature reached by the arterial inflow during re-warming. This should be measured from a calibrated coupled temperature monitoring port on the oxygenator.		
Validation Notes	Usual: 35-37.5 Valid: 34-39		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Target separation Temperature	Sequence Number:	1060
Short Field Name:	TargetCPBTemp	Parent Field:	CPB Utilization
Data Type (Length)	Double (non-integer) 0	Parent Value:	"Combination" or "Full"
Format	XX.X		
Definition	Indicate the temperature in celcius degrees that is targeted as an end point in warming prior to termination of cardiopulmonary bypass.		
Validation Notes	Usual: 35-37.5 Valid: 34-39		
Other Notes	One decimal place		

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Target separation Temperature Site	Sequence Number:	1070
Short Field Name:	CPBSeparation	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the temperature site that is monitored for an end point in warming prior to termination of cardiopulmonary bypass.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
Other	7	
Rectal	5	
Nasopharyngeal	2	
Jugular bulb	4	
Esophageal	3	
Bladder	1	
Tympanic	6	

Long Field Name	First HCT in the room	Sequence Number:	1080
Short Field Name:	PostHCT	Parent Field:	
Data Type (Length)	Integer	Parent Value:	
Format			
Definition	Indicate the patient's first HCT value by non-continuous measurement (exclude any inline or indwelling values) in the cardiac surgical suite. This value should be as early as possible, and must be greater than 45 minutes prior to initiation of CPB. Centrifugation is the preferred method for HCT determination.		
Validation Notes			
Other Notes	Rounded to the nearest whole number.		

Field Selection Set:

Option:	Export Value:	Definition:
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Long Field Name	Last PreCPB HCT	Sequence Number:	1090
Short Field Name:	LastPreCPBHCT	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the patient's HCT value by non-continuous measurement as close to the initiation of CPB as possible. Must be prior to but within 45 minutes of the start of CPB. Centrifugation is the preferred method for HCT determination.		
Validation Notes			
Other Notes	Rounded to the nearest whole number.		

Field Selection Set:

Option:	Export Value:	Definition:
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Long Field Name	Total Furosemide administered	Sequence Number:	1390
Short Field Name:	RenalLasix	Parent Field:	
Data Type (Length)	Integer 0	Parent Value:	
Format			
Definition	Indicate the total dosage in mg of furosemide that was administered during the intraoperative period.		
Validation Notes	Usual: 0-80 Valid 0-400		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Total Sodium Bicarbonate administered	Sequence Number:	1400
Short Field Name:	RenalHCO3	Parent Field:	
Data Type (Length)	Integer 0	Parent Value:	
Format			
Definition	Indicate the total dosage in mEq of sodium bicarbonate that was administered during the intraoperative period.		
Validation Notes	Usual: 0-100 Valid 0-500		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Total Vasopressin administered	Sequence Number:	1410
Short Field Name:	RenalVasopressin	Parent Field:	
Data Type (Length)	Integer 0	Parent Value:	
Format			
Definition	Indicate the total dosage in mg of vasopressin that was administered during the intraoperative period.		
Validation Notes			
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	First Intraoperative Glucose	Sequence Number:	1420
Short Field Name:	GlucFirst	Parent Field:	
Data Type (Length)	Integer 0	Parent Value:	
Format			
Definition	Indicate the patient's first blood glucose level (mg/dl) during the intraoperative phase. Ideally this value should be acquired prior to surgical incision.		
Validation Notes	Usual: 50-250 Valid:50-500		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Highest Intraoperative Glucose	Sequence Number:	1430
Short Field Name:	GlucHigh	Parent Field:	
Data Type (Length)	Integer	Parent Value:	
Format			
Definition	Indicate the patient's highest blood glucose level (mg/dl) during the intraoperative phase.		
Validation Notes	Usual: 50-250 Valid:50-500		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Last intraoperative Glucose	Sequence Number:	1440
Short Field Name:	GlucLast	Parent Field:	
Data Type (Length)	Integer	Parent Value:	
Format			
Definition	Indicate the patient's last blood glucose level (mg/dl) during the intraoperative phase. Ideally this value should be acquired during the final thirty minutes of the intraoperative period.		
Validation Notes	Usual: 50-250 Valid:50-500		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Intraoperative Insulin Drip Used	Sequence Number:	1450
Short Field Name:	GlucInsulinDrip	Parent Field:	
Data Type (Length)	Integer	Parent Value:	
Format			
Definition	Indicate if an insulin drip was used to manage the patient's intraoperative glucose levels.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Yes	1
No	0

Section Name Fluid Volume and Management

Description

Long Field Name	RBC Y/N	Sequence Number:	1140
Short Field Name:	RBCL	Parent Field:	
Data Type (Length)	Boolean	Parent Value:	
Format			
Definition	Indicate whether leukoreduced RBCs were transfused intraoperatively.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
No	0	
Yes	1	

Long Field Name	RBC CPB Units	Sequence Number:	1150
Short Field Name:	IntCPBRBCLU	Parent Field:	CPB Utilization, RBC Leukoreduced Y/N
Data Type (Length)	Integer	Parent Value:	CPB Utilization = "Combination" or "Full", RBC Leukoreduced Y/N = yes
Format			
Definition	Indicate the number of units of leukoreduced RBCs that were transfused during the cardiopulmonary bypass period. Leukoreduction must be performed during blood bank processing and not simply isolated filtration at the bedside.		
Validation Notes	Usual: 0-10 Valid: 0-99		
Other Notes			

Field Selection Set:

Option:	Export Value:	Definition:

Long Field Name	RBC NonCPB Units	Sequence Number:	1160
Short Field Name:	IntNCPBRBCLU	Parent Field:	RBC Y/N
Data Type (Length)	Integer	Parent Value:	Yes
Format			
Definition	Indicate the number of units of leukoreduced RBCs that were transfused during the intraoperative period when not on cardiopulmonary bypass. Leukoreduction must be performed during blood bank processing and not simply isolated filtration at the bedside.		
Validation Notes	Usual: 0-10 Valid: 0-99		
Other Notes			

Field Selection Set:

Option:	Export Value:	Definition:

Long Field Name	FFP Y/N	Sequence Number:	1170
Short Field Name:	FFP	Parent Field:	
Data Type (Length)	Boolean	Parent Value:	
Format			
Definition	Indicate whether fresh frozen plasma was transfused intraoperatively.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
Yes	1	
No	0	

Long Field Name	FFP CPB units	Sequence Number:	1180
Short Field Name:	IntCPBFFPU	Parent Field:	CPB Utilization, FFP Y/N
Data Type (Length)	Integer	Parent Value:	CPB Utilization = "Combination" or "Full"; FFP Y/N = Yes
Format			
Definition	Indicate the number of units of fresh frozen plasma that were transfused during the period of cardiopulmonary bypass.CPB.		
Validation Notes	Usual: 0-10 Valid: 0-99		
Other Notes			

Field Selection Set:

Option:	Export Value:	Definition:

Long Field Name	FFP nonCPB units	Sequence Number:	1190
Short Field Name:	IntNCPBFFPU	Parent Field:	FFP Y/N
Data Type (Length)	Integer	Parent Value:	
Format			
Definition	Indicate the number of units of fresh frozen plasma that were transfused during the intraoperative period when not on cardiopulmonary bypass.		
Validation Notes	Usual: 0-10 Valid: 0-99		
Other Notes			

Field Selection Set:

Option:	Export Value:	Definition:

Long Field Name	Platelets Y/N	Sequence Number:	1200
Short Field Name:	PLAT	Parent Field:	
Data Type (Length)	Boolean	Parent Value:	
Format			
Definition	Indicate whether homologous platelets were transfused intraoperatively.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
No	0	

Yes 1

Long Field Name	Platelet CPB Units	Sequence Number:	1210
Short Field Name:	IntCPBPLATU	Parent Field:	CPB Utilization, Platelets Y/N
Data Type (Length)		Parent Value:	CPB Utilization = "Combination" or "Full", Platelets Y/N = Yes
Format			
Definition	Indicate the number of units of platelets that were transfused during the cardiopulmonary bypass period. In the event of pooled platelet transfusions, record the number of pooled transfusions and not individual exposures. (i.e.. One 5 pack of pooled platelets should be reported as one unit.)		
Validation Notes	Usual: 0 Valid: 0-99		
Other Notes	Count the dose pack as one unit. A dose pack may consist of 4,6,8,10 or any number of donor platelets obtained. The number of units coded is not volume dependent.		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Platelets NonCPB Units	Sequence Number:	1220
Short Field Name:	IntNCPBPLATU	Parent Field:	Platelets Y/N
Data Type (Length)	Integer	Parent Value:	Yes
Format			
Definition	Indicate the number of units of platelets that were transfused during the intraoperative period when not on cardiopulmonary bypass. In the event of pooled platelet transfusions, record the number of pooled transfusions and not individual exposures. (i.e.. One 5 pack of pooled platelets should be reported as one unit.)		
Validation Notes	Usual: 0-10 Valid: 0-99		
Other Notes	Count the dose pack as one unit. A dose pack may consist of 4,6,8,10 or any number of donor platelets obtained. The number of units coded is not volume dependent.		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Cell Saver Y/N	Sequence Number:	1230
Short Field Name:	CELL	Parent Field:	
Data Type (Length)	Boolean	Parent Value:	
Format			
Definition	Indicate whether autologous RBC's that have been collected from shed blood in the operative field(s) and processed by an autotransfusion device were reinfused into the patient during the operative period.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option: **Export Value:** **Definition:**

Yes	1
No	0

Long Field Name	Whole Blood NonCPB Volume	Sequence Number:	1280
Short Field Name:	IntNCPWBldV	Parent Field:	Whole Blood Y/N
Data Type (Length)	Integer <input type="text" value="0"/>	Parent Value:	Yes
Format	<input type="text"/>		
Definition	Indicate whether allogeneic whole blood was transfused during the intraoperative period when not on cardiopulmonary bypass.		
Validation Notes	Usual: 0-1500 Valid: 0-9999		
Other Notes	Non-autologous whole blood.		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	RBC Volume Washed Y/N	Sequence Number:	1290
Short Field Name:	WashCellRBC	Parent Field:	RBC Y/N
Data Type (Length)	Boolean <input type="text" value="0"/>	Parent Value:	Yes
Format	<input type="text"/>		
Definition	Indicate if any RBC units were processed with an autotransfusion machine in the immediate perioperative area in order to reduce unwanted elements that are a byproduct of storing human blood such as (but not limited to) fractured cellular elements, excessive potassium, and lactic acid.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option: **Export Value:** **Definition:**

No	0
Yes	1

Long Field Name	Bypass Saline volume	Sequence Number:	1300
Short Field Name:	Saline	Parent Field:	CPB Utilization
Data Type (Length)	Integer <input type="text" value="0"/>	Parent Value:	"Combination" or "Full"
Format	<input type="text"/>		
Definition	Indicate the volume to the nearest mL of Saline solution used during the extracorporeal circulation period. Do not include any prime volume.		
Validation Notes	Valid: 0-99999 Usual: 0-5000		
Other Notes	<input type="text"/>		

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Bypass Lactated Ringers Volume	Sequence Number:	1310
Short Field Name:	LactRing	Parent Field:	CPB Utilization
Data Type (Length)	Integer 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the volume to the nearest mL of lactated ringers used during the extracorporeal circulation period. Do not include any prime volume.		
Validation Notes	Valid: 0-99999 Usual: 0-5000		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Bypass Balanced Electrolyte Sol Volume	Sequence Number:	1320
Short Field Name:	Plasmalyte	Parent Field:	CPB Utilization
Data Type (Length)	Integer 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the volume to the nearest mL of balanced electrolyte solution (Normosol, plasmalyte etc.) used during the extracorporeal circulation period. Do not include any prime volume.		
Validation Notes	Valid: 0-99999 Usual: 0-5000		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Bypass Hartmanns Volume	Sequence Number:	1330
Short Field Name:	Hartmanns	Parent Field:	CPB Utilization
Data Type (Length)	Integer 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the volume to the nearest mL of Hartmann's solution used during the extracorporeal circulation period. Do not include any prime volume.		
Validation Notes	Valid: 0-99999 Usual: 0-5000		
Other Notes			

Field Selection Set:

Option: Export Value: Definition:

Long Field Name	Bypass Albumin 5% Volume	Sequence Number:	1340
Short Field Name:	Albumin5	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the volume to the nearest mL of 5% Albumin solution used during the extracorporeal circulation period. Do not include any prime volume.		
Validation Notes	Valid: 0-1500 Usual: 0-500		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Bypass Albumin 25% Volume	Sequence Number:	1350
Short Field Name:	Albumin25	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the volume to the nearest mL of 25% Albumin solution used during the extracorporeal circulation period. Do not include any prime volume.		
Validation Notes	Valid: 0-1500 Usual: 0-500		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Bypass Starch solution Volume	Sequence Number:	1360
Short Field Name:	Hertastarch	Parent Field:	CPB Utilization
Data Type (Length)	Integer	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate the volume to the nearest mL of starch solution used during the extracorporeal circulation period. Do not include any prime volume.		
Validation Notes	Valid: 0-1500 Usual: 0-500		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Pre-CPB perioperative crystalloid total	Sequence Number:	1370
Short Field Name:	AnesCrystalloid	Parent Field:	
Data Type (Length)	Integer	Parent Value:	
Format			
Definition	Indicate the total volume of crystalloid solutions given during the perioperative pre bypass period. This could include crystalloid volume given in a pre-operative holding room environment. Do not include fluid volumes that were given prior to patient's transport to the operating room or preoperative holding room. In the event that CPB is not used, this would be the entire case anesthesia crystalloid volume.		
Validation Notes	usually 0-5000, Valid 0-15000		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Total Volume Added	Sequence Number:	1380
Short Field Name:	TotVolAdd	Parent Field:	
Data Type (Length)	Integer	Parent Value:	
Format			
Definition	Indicate the total amount of fluid(mLs) administered into the bypass circuit during extracorporeal circulation. Include crystalloid, colloid, and medications. Please do not include any blood products.		
Validation Notes	Usual: 0-5000 Valid: 0-99999		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Inotropes Wean Y/N	Sequence Number:	1460
Short Field Name:	InotWeanYN	Parent Field:	CPB Utilization
Data Type (Length)	Boolean	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate whether inotropes were being administered at the final termination of cardiopulmonary bypass. Any dose of inotropes is considered a discrete inotrope infusion.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	<p>Examples of Inotropes:</p> <ul style="list-style-type: none"> <input type="checkbox"/> Dobutamine (Dobutrex) <input type="checkbox"/> Norepinephrine <input type="checkbox"/> Milrinone (Primacor) <input type="checkbox"/> Dopamine <input type="checkbox"/> Epinephrine <input type="checkbox"/> Digoxin <input type="checkbox"/> Isoproterenol <input type="checkbox"/> Ephedrine <p>Exported as a numerical value. See selection set.</p>		

Field Selection Set:

Option: **Export Value:** **Definition:**

Yes	1
No	0

Long Field Name	Inotrope Count 4 hours	Sequence Number:	1490
Short Field Name:	InotCount4	Parent Field:	
Data Type (Length)	Integer	Parent Value:	
Format			
Definition	Indicate the number of inotropes being administered at 4 hours from the time of the patient's arrival in the ICU. Any dose of inotropes is considered a discrete inotrope infusion.		
Validation Notes	Usual: 0-3 Valid: 0-9		
Other Notes	<p>Examples of Inotropes:</p> <ul style="list-style-type: none"> ☐ Dobutamine (Dobutrex) Norepinephrine Milrinone (Primacor) Dopamine Epinephrine Digoxin Isoproterenol Ephedrine 		

Field Selection Set:

Option:

Export Value: Definition:

Long Field Name	Inotrope Count 48 hours	Sequence Number:	1500
Short Field Name:	InotCount48	Parent Field:	
Data Type (Length)	Integer	Parent Value:	
Format			
Definition	Indicate the number of inotropes being administered at 48 hours from the time of the patient's arrival in the ICU. Any dose of inotropes is considered a discrete inotrope infusion.		
Validation Notes	Usual: 0-3 Valid: 0-9		
Other Notes	<p>Examples of Inotropes:</p> <ul style="list-style-type: none"> ☐ Dobutamine (Dobutrex) Norepinephrine Milrinone (Primacor) Dopamine Epinephrine Digoxin Isoproterenol Ephedrine 		

Field Selection Set:

Option:

Export Value: Definition:

Long Field Name	Auto Blood Harvest Y/N	Sequence Number:	1510
Short Field Name:	AutoHarvestYN	Parent Field:	
Data Type (Length)	Boolean	Parent Value:	
Format			
Definition	Indicate whether acute normovolemic hemodilution (ANH) or similar technique were employed preCPB.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
No	0	
Yes	1	

Long Field Name	Auto Blood Harvest Volume	Sequence Number:	1520
Short Field Name:	AutoHarvestVol	Parent Field:	Auto Blood Harvest Volume
Data Type (Length)	Integer	Parent Value:	"Yes"
Format			
Definition	Indicate the volume of whole blood (mLs) harvested from the patient during acute normovolemic hemodilution (ANH) or similar technique.		
Validation Notes	Usual: 0-1000 Valid: 0-3000		
Other Notes			

Field Selection Set:

Option:	Export Value:	Definition:

Long Field Name	ANH Volume returned preCPB	Sequence Number:	1530
Short Field Name:	ANHpreCPB	Parent Field:	Auto Blood Harvest Volume
Data Type (Length)	Integer	Parent Value:	"Yes"
Format			
Definition	Indicate the volume (mLs) of acute normovolemic hemodilution (ANH) that was returned to the patient prior to the initiation of cardiopulmonary bypass.		
Validation Notes	Indicate the volume of whole blood (mLs) harvested from the patient during acute normovolemic hemodilution (ANH) or similar technique (e.g. sequestration by the venous line of the extracorporeal circuit) that was returned to the patient prior to the first initiation of cardiopulmonary bypass. Usual: 0-1000 Valid: 0-3000 Sum of (ANH Volume Returned preCPB + ANH Volume Returned on CPB + ANH volume post CPB) <= Auto Blood Harvest Volume		
Other Notes			

Field Selection Set:

Option:	Export Value:	Definition:

Long Field Name	ANH Volume Returned on CPB	Sequence Number:	1540
Short Field Name:	ANHonCPB	Parent Field:	Auto Blood Harvest Volume
Data Type (Length)	Integer 0	Parent Value:	Auto Blood Harvest Volume = "Yes" and CPB Utilization = "Full" or "Combination"
Format			
Definition	Indicate the volume (mLs) of acute normovolemic hemodilution (ANH) that was returned to the patient during cardiopulmonary bypass.		
Validation Notes	Usual: 0-1000 Valid: 0-3000 Sum of (ANH Volume Returned preCPB + ANH Volume Returned on CPB + ANH volume post CPB) <= Auto Blood Harvest Volume		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Long Field Name	Residual pump volume direct infusion	Sequence Number:	1550
Short Field Name:	ResidNoProcessing	Parent Field:	CPB Utilization
Data Type (Length)	Integer 0	Parent Value:	CPB Utilization = "Combination" or "Full"
Format			
Definition	Indicate if residual pump volume after CPB termination was reinfused into the patient by using either the aortic cannula or sequestering in a transfer bag and reinfused by a non-CPB access site.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Yes	1
No	0

Long Field Name	Residual pump volume autotransfusion	Sequence Number:	1560
Short Field Name:	ResidAutoTransfus	Parent Field:	CPB Utilization
Data Type (Length)	Integer 0	Parent Value:	CPB Utilization = "Combination" or "Full"
Format			
Definition	Indicate if residual pump volume after CPB termination was processed with an auto transfusion device and then reinfused into the patient via a non-CPB access site.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes			

Field Selection Set:

Option: **Export Value:** **Definition:**

Yes	1
No	0

Long Field Name	Residual pump volume ultrafiltration	Sequence Number:	1570
Short Field Name:	Residualultrafiltration	Parent Field:	CPB Utilization
Data Type (Length)	Integer 0	Parent Value:	CPB Utilization = "Combination" or "Full"
Format			
Definition	Indicate if residual pump volume after CPB termination was processed with ultrafiltration and then reinfused into the patient via a non-CPB access site.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes			

Field Selection Set:

Option:	Export Value:	Definition:
Yes	1	
No	0	

Long Field Name	Autologous Circuit Prime Y/N	Sequence Number:	1580
Short Field Name:	AutoCirc	Parent Field:	CPB Utilization
Data Type (Length)	Boolean 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate whether retrograde autologous prime or similar technique was used.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:
No	0	
Yes	1	

Long Field Name	Autologous Circuit Prime Volume	Sequence Number:	1590
Short Field Name:	AutoCircPrimeVol	Parent Field:	Autologous Circuit Prime Y/N
Data Type (Length)	Integer 0	Parent Value:	"Yes"
Format			
Definition	Indicate the volume of pump prime (mLs) that was displaced (primed) using autologous retrograde prime or a similar technique.		
Validation Notes	Usual: 0-800 Valid: 0-Prime Total Volume		
Other Notes			

Field Selection Set:

Option:	Export Value:	Definition:

Long Field Name	Ultrafiltration Y/N	Sequence Number:	1600
Short Field Name:	UFYN	Parent Field:	CPB Utilization
Data Type (Length)	Boolean 0	Parent Value:	"Combination" or "Full"
Format			
Definition	Indicate whether ultrafiltration was utilized intraoperatively.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		

Field Selection Set:

Option:	Export Value:	Definition:

Yes	1
No	0

Long Field Name	<input type="text" value="Zero Balance UF Y/N"/>	Sequence Number:	<input type="text" value="1610"/>
Short Field Name:	<input type="text" value="ZBUFYN"/>	Parent Field:	<input type="text" value="Ultrafiltration Y/N"/>
Data Type (Length)	<input type="text" value="Boolean"/> <input type="text" value="0"/>	Parent Value:	<input type="text" value="Ultrafiltration Y/N = \" yes\""=""/>
Format	<input type="text"/>		
Definition	Indicate whether zero balanced ultrafiltration (Z-BUF) was utilized intraoperatively. Z-BUF is defined as ultrafiltration performed for reasons other than removing excess fluid such as reducing pro-inflammatory proteins, alter electrolyte levels, or treat for renal dysfunction during bypass.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		
Field Selection Set:			
Option:	Export Value:	Definition:	
Yes	1		
No	0		

Long Field Name	<input type="text" value="Post CPB Ultrafiltration Y/N"/>	Sequence Number:	<input type="text" value="1620"/>
Short Field Name:	<input type="text" value="pCPBUFYN"/>	Parent Field:	<input type="text" value="Ultrafiltration Y/N"/>
Data Type (Length)	<input type="text" value="Boolean"/> <input type="text" value="0"/>	Parent Value:	<input type="text" value="Ultrafiltration Y/N = \" yes\""=""/>
Format	<input type="text"/>		
Definition	Indicate if ultrafiltration was conducted utilizing the heart lung machine after the termination of cardiopulmonary bypass. This technique is typically employed to reinfuse residual RBC volume in the ECC to the patient by displacing RBC volume with an asanguineous volume and maintaining an isovolumetric patient status by performing ultrafiltration. This is commonly known as modified ultrafiltration or MUF. Utilization of Hemobag device post cardiopulmonary bypass would also be categorized as 'Post CPB Ultrafiltration'.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		
Field Selection Set:			
Option:	Export Value:	Definition:	
Yes	1		
No	0		

Long Field Name	<input type="text" value="Cardiotomy Suction Y/N"/>	Sequence Number:	<input type="text" value="1630"/>
Short Field Name:	<input type="text" value="CardSucYN"/>	Parent Field:	<input type="text" value="CPB Utilization"/>
Data Type (Length)	<input type="text" value="Integer"/> <input type="text" value="0"/>	Parent Value:	<input \"full\""="" combination\"="" or="" type="text" value="\"/>
Format	<input type="text"/>		
Definition	Indicate whether cardiotomy suction was returned to the CPB circuit via a filtered cardiotomy reservoir.		
Validation Notes	Must be selected from the specified selection set.		
Other Notes	Exported as a numerical value. See selection set.		
Field Selection Set:			
Option:	Export Value:	Definition:	
Yes	1		
No	0		

