Patient Details Hidden Show
Show/Hide Annotations Stickies: Toggle All Toggle Open Toggle Resolved

Form 1: Listing

Toggle Question Year/Info   Print this Form   Not Started

---

1   **Listing Date**   [   ]
MM/DD/YYYY

Question Added: 01 JAN 1993
LISTDATE

Height and Weight

2   **Height**   [   ]
○ Centimeters
○ Inches

Question Added: 01 JAN 1993

HTLISTU

Missing Reason:
○ Not Done
○ Unknown

HTLIST

Calculated

BSA: **n/a**
BMI: **n/a**

3   **Weight**   [   ]
○ Kilograms
○ Pounds

Question Added: 01 JAN 1993

WTLISTU

Missing Reason:
○ Not Done
○ Unknown

WTLIST

---

4   **Main reason for listing**
Select only one primary reason for listing.

○ CHD too high risk for palliative surgical options
○ Growth failure due to the heart disease
○ Hypercyanosis without further palliative surgical options
○ Malignant arrhythmia
○ Medically refractory heart failure
○ Plastic bronchitis
○ Progressive liver disease
○ Progressive pulmonary hypertension
○ Protein losing enteropathy
○ Unknown
○ Other, specify

[   ]
PRMLSOTH

Question Added: 01 SEPT 2015
PRM_LIST

4a   **Medically refractory heart failure**

○ Both
○ Diastolic Failure
○ Systolic Failure
○ Unknown

Question Added: 01 SEPT 2015
PRMMRHF

☐

Surgeries Prior to Listing

5   **Did the patient have any cardiac surgery prior to listing?**

- ○ Yes
- ○ No
- ○ Unknown

Question Added: 01 JAN 1993
HXSURG

Surgery Details

5   **If Congenital cardiac surgery, specify surgery:**

- ○ AP Shunt (including BT Shunt, Modified BT Shunt, Waterson Shunt, Pott's Shunt, Central Shunt, and MEE procedure)
- ○ Arterial switch operation
- ○ ASD Repair
- ○ Atrial switch (Senning/Mustard)
- ○ CABG
- ○ Complete AV Septal Defect Repair
- ○ Congenitally Corrected Transposition Repair (classic)
- ○ Congenitally Corrected Transposition Repair (double switch)
- ○ Damus Kaye Stansel (DKS)
- ○ d-Transposition of the Great Vessels Repair
- ○ Ebstein's Anomaly Repair
- ○ Fontan Procedure
- ○ Glenn Procedure
- ○ Hybrid Palliation
- ○ Norwood Stage I: BT Shunt
- ○ Norwood Stage I: Sano/RV-PA conduit
- ○ PA Banding
- ○ TOF/DORV/RVOTO Repair
- ○ Truncus Arteriosus Repair
- ○ Valve Replacement
- ○ VSD Repair
- ○ Other, specify

[   ]
SURG_OSP

SURGERY

5   **Date of Surgery** [   ]

Missing Reason:
- ○ Unknown

SURGDTE

5   **Congenital cardiac surgery, d- Transposition of the Great Vessels Repair**

- ☐ Arterial Switch Operation   LSARTERL
- ☐ Atrial Switch (Senning/Mustard)   LSATRIAL

5   **Congenital cardiac surgery, Valve Replacement**

- ☐ Aortic Valve Replacement   LSAORTIC
- ☐ Mitral Valve Replacement   LSMITRAL
- ☐ Pulmonary Valve Replacement   LSPULMV
- ☐ Tricuspid Valve Replacement   LSTRICV
- ☐ Other, specify   LSVROTH

[   ]
LSVROTSP

5   **Homograft Tissue in Aortic Valve Replacement?**
- ○ Yes
- ○ No
- ○ Unknown

LSAORHOM

Status Details at Listing

6a   **Status at Listing**
- ○ Brazil
- ○ Canada
- ○ United Kingdom
- ○ United States

Question Added: 01 JAN 2010
LSCNTRY

6a.i   **Brazil**
- ○ Non-Priority
- ○ Priority

Question Added: 01 JAN 2010
LSBRZ_ST

6a.ii   **Canada**
- ○ 1
- ○ 2
- ○ 3
- ○ 3.5
- ○ 4
- ○ 4S

Question Added: 01 JAN 2005
LSCA_ST

6a.iii   **United Kingdom**
- ○ Routine
- ○ Urgent

Question Added: 01 JAN 2005
LSUK_ST

6a.iv   **Status at Listing, US**
- ○ 1 (this option is only for listings prior to 1999)
- ○ 1A
- ○ 1B
- ○ 2
- ○ 7

Question Added: 01 JAN 1993
STATLIST

6b   **Was patient in or out of hospital at time of listing?**
- ○ In hospital
- ○ Out of hospital

Question Added: 01 JAN 1993
SLHOSP

6b.i   **Was patient in the ICU at time of listing?**
- ○ Yes
- ○ No
- ○ Unknown

Question Added: 01 JAN 1999
SLICU

6b.ii   **Did the patient require continuous invasive mechanical ventilation?**
- ○ Yes
- ○ No
- ○ Unknown

<div align="right">Question Added: 01 JAN 1993
SLVENT</div>

6c	**Did the patient require continuous inotropes at time of listing?**	○ Yes ○ No ○ Unknown

<div align="right">Question Added: 01 JAN 1993
SLIVINO</div>

6c.i	**Inotropes Dose**	○ Dose Unknown ○ High Dose or Multiple IV ○ Single Low Dose

<div align="right">Question Added: 01 JAN 2005
SLINODS</div>

6d	**Did the patient have ductal dependent pulmonary or systemic circulation, with ductal patency maintained by stent or prostaglandin infusion?**	○ Yes ○ No ○ Unknown

<div align="right">Question Added: 01 SEPT 2015
SLDDPSC</div>

	Recipient Blood Type			
Donor Blood Type	**A**	**B**	**AB**	**O**
A	*ABO compatible*	ABO incompatible	*ABO compatible*	ABO incompatible
B	ABO incompatible	*ABO compatible*	*ABO compatible*	ABO incompatible
AB	ABO incompatible	ABO incompatible	*ABO compatible*	ABO incompatible
O	*ABO compatible*	*ABO compatible*	*ABO compatible*	*ABO compatible*

6e	**Was patient listed for an ABO Incompatible transplant?**	○ Yes ○ No ○ Unknown

<div align="right">Question Added: 01 JAN 2010
LSABOINC</div>

6f	**Was patient on a VAD or ECMO at time of listing?**	☐ VAD ☐ ECMO ☐ Not on support at time of listing	SLVAD SLECMO SLNOMCSD

<div align="right">Question Added: 01 JAN 1993</div>

6f.i	**Specify initiation date (VAD)**	[ ]	Missing Reason: ○ Unknown

<div align="right">Question Added: 01 JAN 1993
SLVTDATE</div>

6f.ii	**Specify initiation date (ECMO)**	[ ]	Missing Reason: ○ Unknown

<div align="right">Question Added: 01 JAN 2005
SLECMODT</div>

6g	**Was patient listed for DCD (Donation after Cardiac Death) organ?**	○ Yes ○ No ○ Unknown ○ This is not current practice at our center ○ Not Applicable

<div align="right">Question Added: 01 SEPT 2015</div>

LSDCD

Infectious Disease Screening

7a	**HIV Serology** AIDS testing	○ Negative	○ Not Done	○ Positive	○
	Unknown				
				Question Added: 01 JAN 1993	HIV

7b	**CMV Serology**	○ Negative	○ Not Done	○ Positive	○
	Unknown				
				Question Added: 01 JAN 1993	CMV

7c	**CMV PCR**	○ Negative	○ Not Done	○ Positive	○
	Unknown				
				Question Added: 01 JAN 2010	LCMVPCR

7d	**EBV Serology**	○ Negative	○ Not Done	○ Positive	○
	Unknown				
				Question Added: 01 JAN 1993	EBV

7e	**EBV PCR**	○ Negative	○ Not Done	○ Positive	○
	Unknown				
				Question Added: 01 JAN 2010	LEBVPCR

7f	**IFA Toxo** Toxoplasma testing	○ Negative	○ Not Done	○ Positive	○
	Unknown				
				Question Added: 01 JAN 1993	TOXO

7g	**HBs Ag** Hepatitis B surface antigen	○ Negative	○ Not Done	○ Positive	○
	Unknown				
				Question Added: 01 JAN 1993	HBSAG

7h	**HB core Ab** Hepatitis B core antibody	○ Negative	○ Not Done	○ Positive	○
	Unknown				
				Question Added: 01 JAN 1993	HBCAB

7i	**HBs Ab** Hepatitis B surface antibody	○ Negative	○ Not Done	○ Positive	○
	Unknown				
				Question Added: 01 JAN 1993	HBSAB

7j	**Hep C Ab** Hepatitis C antibody	○ Negative	○ Not Done	○ Positive	○
	Unknown				
				Question Added: 01 JAN 1993	HCAB

7k	**RPR/Syphilis** Syphilis testing	○ Negative	○ Not Done	○ Positive	○
	Unknown				
				Question Added: 01 JAN 2005	RPR

Medical History at time of Listing

8	**Medical History**	○ Yes
		○ No
		○ Unknown
		Question Added: 01 JAN 1993
		HXMED

8a	**Type of medical history at Listing**	☐ Arrythmia	HXARRYTH
		☐ Cardiac Arrest/CPR	HXCPR
		☐ Diabetes	HXDIAB

☐ GI/Nutrition	HXGI
☐ Heterotaxy/Isomerism	HXISO
☐ Malignancy	HXMALIG
☐ Metabolic/Disorder	HXMET
☐ Mitochondrial Disorder	HXMIT
☐ Neurologic	HXNEURO
☐ Pacemaker	PACEMAKE
☐ Peripheral Myopathy/Neuromuscular disease	HXPERMYO
☐ Prenatal Diagnosis	HXPRENAT
☐ Prior Transfusions	HXTRANS
☐ Renal Insufficiency	HXRENINS
☐ Respiratory	HXRESP
☐ Shock	HXSHOCK
☐ Syndrome	HXSYN
☐ Other, specify	HXOTHER
[ ]	SPECOTH

Question Added: 01 JAN 1993

8a.i   **Arrhythmia**

☐ Afib/flutter — HXAF_FL
☐ Complete heart block — HXCHB
☐ V Fibrillation — HXVFIB
☐ V Tachycardia — HXVTACH
☐ Unknown — HXARRUNK
☐ Other, specify — HXOTHARR
[   ] — SPECARRY

Question Added: 01 JAN 1993

8a.ii   **Cardiac arrest/CPR Date**
MM/DD/YYYY
[   ]

Missing Reason:
○ Unknown

Question Added: 01 JAN 1996
CPRDT

8a.iii   **Diabetes, Date of last Hgb A1c**
MM/DD/YYYY
[   ]

Missing Reason:
○ Unknown

Question Added: 01 SEPT 2015
HGBDATE

8a.iii   **Diabetes, Value of last Hgb A1c**
[   ]

Question Added: 01 SEPT 2015

Missing Reason:
○ Unknown

HGBVALUE

8a.iii   **Diabetes, Treating with insulin**

○ Yes
○ No
○ Unknown

Question Added: 01 JAN 1993 to 31 DEC 2004 | 01 SEPT 2015
HXINSUL

8a.iv   **Medical History, GI/Nutrition**

☐ Failure to thrive/cachexia — HXFAIL
☐ Fontan associated liver disease — HXFONLVR
☐ Infectious hepatitis — HXHEP
☐ Protein losing Enteropathy — HXPLE
☐ Other, specify — HXGIOT
[   ] — HXGIOTSP

Question Added: 01 SEPT 2015

8a.iv.1

GI/Nutrition, Infectious hepatitis type

☐ A   HXHEPTYA
☐ B   HXHEPTYB
☐ C   HXHEPTYC
☐ Unknown   HXHEPTYU
☐ Other, specify   HXHEPTYO

[_____] HXHEPSP

Question Added: 01 SEPT 2015

8a.v

Medical History, Heterotaxy/Isomerism

☐ Asplenia   HXASPLEN
☐ Polysplenia   HXPLYSPL
☐ Unspecified   HXISOUSP
☐ Other, specify   HXISOTH

[_____] HXISO_SP

Question Added: 01 SEPT 2015

8a.vi

Medical History, Malignancy

☐ Lymphoma, leukemia   HXLYMLEU
☐ s/p BMT   HXSPBMT
☐ s/p Chest Radiation   HXSPCRAD
☐ Solid organ cancer   HXSOLORG
☐ Unknown   HXMALUNK
☐ Other, specify   HXMALOTH

[_____] SPECMAL

Question Added: 01 JAN 1993

8a.vii

Specify Metabolic Disorder

[_____]

Question Added: 01 SEPT 2015

HXMETSP

8a.viii

Medical History, Mitochondrial Disorder, specify

○ Barth's
○ Unspecified
○ Other, specify

[_____]

HXMITSP

Question Added: 01 SEPT 2015

HXMITTY

8a.ix

Medical History, Neurologic

☐ Anoxic brain injury   ANXINJ
☐ Hemorrhagic and/or thromboembolic stroke   HXCVA
☐ Other, specify   NEUROTH

[_____] NEUROTSP

Question Added: 01 SEPT 2015

8a.ix.1

Neurologic, Anoxic brain injury Last Date

MM/DD/YYYY

[_____]

Missing Reason:
○ Unknown

Question Added: 01 SEPT 2015

ANXINJDT

8a.ix.2

[_____]

Missing Reason:
○ Unknown

**Neurologic,
Hemorrhagic and/or thromboembolic
stroke
Date Last**

MM/DD/YYYY

8a.x	**Pacemaker**	☐ Defibrilliator/AICD	HXAICD
		☐ Pacemaker, CRT/biventricular pacing	LPACEBIV
		☐ Pacemaker, not CRT and not ICD	LPACE

8a.x.1

[   ]

Missing Reason:
○ Unknown

**Pacemaker,
Defibrillator/AICD
Date Placed**

MM/DD/YYYY

8a.x.2

[   ]

Missing Reason:
○ Unknown

**Pacemaker,
CRT/biventricular pacing,
Date Placed**

MM/DD/YYYY

8a.x.3

[   ]

Missing Reason:
○ Unknown

**Pacemaker,
not CRT and not ICD,
Date Placed**

MM/DD/YYYY

8a.xi	**Medical History, Peripheral myopathy/neuromuscular disease**	☐ Becker MuscularDystrophy	HXBECKMD
		☐ Duschenne Muscular Dystrophy	HXDMD
		☐ Freidrich's Ataxia	HXFREIDR
		☐ Unspecified	PERMUNK
		☐ Other, specify	PERMOTHR
		[ ]	PERMOSP

8a.xii	**History Dialysis**	○ Dialysis, acute (within past 30 days)	
		○ Dialysis, chronic (>1 month duration)	
		○ Dysfunction, not dialysis	
		○ Unknown	
		○ Other, specify	
		[ ]	HXRENSP

8a.xiii	**Medical History, Respiratory**	☐ Asthma	HXPULDIS
		☐ Plastic Bronchitis	HXPB
		☐ Tracheostomy	HXTRACH
		☐ Unknown	HXRESPUN
		☐ Other, specify	HXOTRESP
			HXSPRESP

Question Added: 01 SEPT 2015

8a.xiv	**Shock, Date of last appropriate Shock** MM/DD/YYYY		Missing Reason: ○ Unknown

Question Added: 01 JAN 1996
SHOCKDT

8a.xv	**Medical History, Syndrome**	☐ Cardiofaciocutaneous Syndrome	HXCRD
		☐ Costello Syndrome	HXCOSTLO
		☐ Digeorge (22q11 deletion)	HXDIGORG
		☐ Down's/Trisomy 21	HXDOWNS
		☐ Ehlers-Danlos Syndrome	HXELRDAN
		☐ LEOPARD/Multiple Lentigenes	HXLEOPRD
		☐ Loeys-Dietz Syndrome	HXLYSDTZ
		☐ Marfan Syndrome	HXMARFNS
		☐ Noonan Syndrome	HXNOONAN
		☐ Other Marfan-like Syndrome	HXMRFNLK
		☐ Turner Syndrome	HXTURNER
		☐ Unspecified	HXSYN_U
		☐ Williams Syndrome	HXWILLIM
		☐ Other, specify	HXOTHRSN
			OTHRSNSP

Question Added: 01 SEPT 2015

Insurance

9	**Primary Insurance**	○ Charitable Donation	
		○ Free	
		○ Government	
		○ Private	
		○ Self Pay	
		○ Unknown	
		○ Other, Specify	
			P_SPINS

Question Added: 01 JAN 1996
P_INS

- Charitable Donation – Indicates that a company, institution or individual(s) donated funds to pay for the care of the listed patient.
- Free – Indicates that the listing hospital will not charge the patient for the cost of the hospitalization
- Government – Other US or state government insurance. For Example, Medicaid, Medicare, CHIP (Children's Health Insurance Program), Department of VA refers to funds from the Veterans Administration or others.
- Private – Refers to funds from agencies such as Blue Cross/Blue Shield, etc.

- Self Pay – Indicates that the recipient will pay for the largest portion of the cost of the hospitalization.
- Other – For example, funds from a foreign government. Specify foreign country in the space provided.

Percent or Panel Reactive Antibody (closest to listing)

10a **Cytotoxic PRA**
ie. Serum is tested against panel of lymphocytes

○ Done
○ Not Done

Question Added: 01 JAN 1993
LSPRA

10a.i **T Cell**
[   ]
%

Question Added: 01 JAN 1993

Missing Reason:
○ Not Done
○ Unknown

LSCPRAT

10a.ii **B Cell**
[   ]
%

Question Added: 01 JAN 1993

Missing Reason:
○ Not Done
○ Unknown

LSCPRAB

10a.iii **Date (Cytotoxic PRA)**
[   ]

Missing Reason:
○ Unknown

Question Added: 01 JAN 1993
LSCPRADT

10b **Cytotoxic PRA, DTE/DTT**
Panel performed on serum treated with DTE or DTT (or equivalent)
to reduce the IgM antibodies and identify high PRA results
presumably secondary to a drug or other causes.

○ Done
○ Not Done

Question Added: 01 JAN 1993
LSPRADTE

10b.i **T Cell**
[   ]
%

Question Added: 01 JAN 1993

Missing Reason:
○ Unknown

LSPRDTET

10b.ii **B Cell**
[   ]
%

Question Added: 01 JAN 1993

Missing Reason:
○ Unknown

LSPRDTEB

10b.iii **Date (Cytotoxic PRA, DTE/DTT)**
[   ]

Missing Reason:
○ Unknown

Question Added: 01 JAN 1993
LSPRDTDT

10c **Flow Cytometry or Luminex PRA**

○ Done
○ Not Done

<div style="text-align: right">Question Added: 01 JAN 1996
LSFCPRA</div>

10c.i   **Class I** [_____]
%

<div style="text-align: right">Question Added: 01 JAN 1996</div>

Missing Reason:
○ Unknown

<div style="text-align: right">LSFPRAT</div>

10c.ii   **Class II** [_____]
%

<div style="text-align: right">Question Added: 01 JAN 1996</div>

Missing Reason:
○ Unknown

<div style="text-align: right">LSFPRAB</div>

10c.iii   **Date** [_____]
MM/DD/YYYY

Missing Reason:
○ Unknown

<div style="text-align: right">Question Added: 01 JAN 1996
LSFPRADT</div>

10d   **Listed for prospective crossmatch**
○ Yes
○ No
○ Unknown

<div style="text-align: right">Question Added: 01 JAN 2010
LSPROCM</div>

10d.i   **Prospective Crossmatch Results**
○ Donor Cells
○ Donor Cells and Virtual
○ Virtual
○ Unknown

<div style="text-align: right">Question Added: 01 JAN 2010
LSPCMT</div>

10d.i.1   **Virtual Crossmatch**
○ Avoidance of donor antigens to all antibodies present
○ Avoidance of donor antigens to antibodies above pre-specified threshold
○ Avoidance of donor antigens to C1q fixing antibodies only
○ Unknown

<div style="text-align: right">Question Added: 01 SEPT 2015
LSVCMA</div>

Hemodynamics Prior to Listing

Indicate the hemodynamics even if the patient is on pressors or inotropes. Best hemodynamics are those performed during the administration of agents given specifically to lower the pulmonary arterial pressure or the pulmonary vascular resistance. All pressures should be listed in mmHg. If unclear, please consult with your PI.

11   **Were hemodynamics done prior to listing?**
○ Yes
◉ No
○ Unknown

<div style="text-align: right">Question Added: 01 JAN 1993
LSHEMO</div>

11a   **Date** [_____]
MM/DD/YYYY

Missing Reason:
○ Not Done
○ Unknown

<div style="text-align: right">Question Added: 01 JAN 1993
LSHEMDT</div>

Range Information

11b   **Fontan Mean Pressure**

mmHg

Too Low: < 0
Normal: Between 0 and 40
Question Zone: > 41
Red Flag Zone: > 41

Question Added: 01 SEPT 2015

Missing Reason:
○ Not Done
○ Unknown

LSFPRES

11c   **RAm (RAP or CVP)**
Right Atrial Mean Pressure

mmHg

Range Information
Too Low: < 0
Normal: Between 0 and 40
Question Zone: > 41
Red Flag Zone: > 41

Question Added: 01 JAN 1993

Missing Reason:
○ Not Done
○ Unknown

LSBRAM

11d   **PAm**
Pulmonary Artery Mean

mmHg

Range Information
Too Low: < 0
Normal: Between 0 and 50
Question Zone: > 51
Red Flag Zone: > 51

Question Added: 01 JAN 1993

Missing Reason:
○ Not Done
○ Unknown

LSBPAM

11e   **PCW**
Mean Pulmonary Capillary Wedge Pressure

mmHg

Range Information
Too Low: < 0
Normal: Between 0 and 60
Question Zone: > 61
Red Flag Zone: > 61

Question Added: 01 JAN 1993

Missing Reason:
○ Not Done
○ Unknown

LSBPCW

11f   **SVC Sat**
Oxygen Saturation in the SVC

%

Range Information
Too Low: < 0
Normal: Between 0 and 100
Question Zone: > 101
Red Flag Zone: > 101

Question Added: 01 JAN 2010

Missing Reason:
○ Not Done
○ Unknown

LSSVCSAT

11g   **AO Sat**
Aortic Saturation

%

Range Information
Too Low: < 0
Normal: Between 0 and 100
Question Zone: > 101
Red Flag Zone: > 101

Question Added: 01 JAN 2005

Missing Reason:
○ Not Done
○ Unknown

LSBAOSAT

11h   **Rp, PVRI**
Pulmonary resistance indexed to body surface area (BSA)
Woods Units × m^2

wu × m^2

Range Information
Too Low: < 0
Normal: Between 0 and 50
Question Zone: > 51
Red Flag Zone: > 51

Question Added: 01 JAN 1993

Missing Reason:
○ Not Done
○ Unknown

LSBRP

11i   **Rs, SVRI**
Systemic resistance indexed to body surface area (BSA)
Woods Units × m^2

wu × m^2

Range Information
Too Low: < 0
Normal: Between 0 and 40
Question Zone: > 41
Red Flag Zone: > 41

Question Added: 01 JAN 1993

Missing Reason:
○ Not Done
○ Unknown

LSBRS

11j   **EDP**
End diastolic pressure of systemic ventricle

mmHg

Range Information
Too Low: < 0
Normal: Between 0 and 60
Question Zone: > 61
Red Flag Zone: > 61

Question Added: 01 JAN 2010

Missing Reason:
○ Not Done
○ Unknown

LSEDP

11k   **C.O.**
Cardiac Output (i.e. Qs)   L/min

Range Information
Too Low: < 0
Normal: Between 0 and 20
Question Zone: > 21
Red Flag Zone: > 21

Question Added: 01 JAN 1993

Missing Reason:
○ Not Done
○ Unknown

LSBCO

11l   **C.I.**
Cardiac index (i.e. C.O. divided by m^2)   L/min/m^2

Range Information
Too Low: < 0
Normal: Between 0 and 15
Question Zone: > 16
Red Flag Zone: > 16

Question Added: 01 JAN 1993

Missing Reason:
○ Not Done
○ Unknown

LSBCI

Was patient on mechanical support at time of Hemodynamics

11m

○ Yes
○ No
○ Unknown

Question Added: 01 SEPT 2015
LSMSHEMO

11n   **Hemodynamic Agents Used**

○ Yes
○ No
○ Unknown

Question Added: 01 JAN 1993
LSHEMAGT

11n.i   **Indicate agent for best hemodynamics**

☐ 100% O2	LSHPO2
☐ Dobutamine	LSDOBUT
☐ Dopamine	LSDOPA
☐ Unknown	LSUNKN
☐ Epinephrine	LSEPI
☐ Isoproterenol (Isuprel)	LSISUPRO
☐ Milrinone (Primacor)	LSMILRIN
☐ Nesiritide	LSHNES
☐ Nitric Oxide	LSNOX
☐ Nitroglycerin	LSNITRO
☐ Nitroprusside (Nipride)	LSNITROP
☐ Norepinephrine	LSNOREPI
☐ PGE (Alprostadil)	LSPGE
☐ PGI (Flolan)	LSPGI
☐ Phenylephrine/ Neosynephrine	LSPHEN
☐ Sildenafil	LSSILD
☐ Vasopressin	LSVASO
☐ Other, specify	LSOHMD
	LSOHMDSP

Question Added: 01 JAN 1993

Schooling

12   **Is the patient in school?**

○ Yes
○ No
○ Not Applicable, <6 years
○ Unknown

Question Added: 01 JAN 1996
LSCHOOL

12	Are they at the age appropriate level	○ Yes ○ No ○ Unknown

AASCHOOL

12b	Are they in a special education class	○ Yes ○ No ○ Unknown

Question Added: 01 JAN 1996
SPSCHOOL

Exercise Test

13	Was exercise test performed?	○ Yes ○ No ○ Unknown ○ Not Routinely Done

Question Added: 01 JAN 2005
LSTTPERF

13a	If exercise test not performed, specify reason	○ Age inappropriate ○ Too sick ○ Unknown ○ Other, specify

TTNDRS

Question Added: 01 JAN 2015
TTNDR

13b **Max VO$_2$% Predicted for Age**

Refers to predicted maximum VO$_2$ for patient (should be listed in exercise report; if not, exercise lab personnel should be able to provide this data)

%

Question Added: 01 JAN 2005

Missing Reason:
○ Unknown
○ Not Done

PCAGE

13c **Max VO$_2$**

Maximum oxygen consumption   ml/kg/min

Question Added: 01 JAN 1996

Missing Reason:
○ Unknown
○ Not Done

TTMAXVO2

13d **Respiratory Value at Peak**

RER or Respiratory Quotient:R Value at peak is the respiratory quotient of carbon dioxide production divided by oxygen consumption, and is used as an index of how vigorously the patient exercised.
A value above 1.05 is generally considered to represent an adequate effort.

Question Added: 01 SEPT 2015

Missing Reason:
○ Unknown
○ Not Done

TTRMAX

Laboratory Values closest to time of this report

Note: labs may have been collected on different dates.

14a Total Bilirubin

[ ] mg/dL
[ ] umol/L

Range Information
Too Low: < 0
Normal: Between 0.3 and 1.2
Question Zone: > 2.4
Red Flag Zone: > 10

LSBILI_T_U

Question Added: 01 JAN 2005

Missing Reason:
( ) Not Done
(•) Unknown

LSBILI_T

14b Direct Bilirubin

[ ] mg/dL
[ ] umol/L

Range Information
Too Low: < 0
Normal: Between 0 and 0.2
Question Zone: > 0.4
Red Flag Zone: > 5

LSBILI_D_U

Question Added: 01 JAN 2005

Missing Reason:
( ) Not Done
(•) Unknown

LSBILI_D

14c AST
Aspartate transaminase (also SGOT) U/L

Range Information
Too Low: < 0
Normal: Between 10 and 60
Question Zone: > 120
Red Flag Zone: > 1000

Question Added: 01 JAN 2005

Missing Reason:
( ) Not Done
( ) Unknown

LSAST

14d ALT
Alanine transaminase (also SGPT) U/L

Range Information
Too Low: < 0
Normal: Between 7 and 45
Question Zone: > 90
Red Flag Zone: > 1000

Question Added: 01 JAN 2005

Missing Reason:
( ) Not Done
( ) Unknown

LSALT

14e BNP
B-type natriuretic peptide pg/mL or ng/L

Range Information
Too Low: < 0
Normal: Between 10 and 100
Question Zone: > 1000
Red Flag Zone: > 10000

Question Added: 01 JAN 2010

Missing Reason:
( ) Not Done
( ) Unknown

LBNP

14f Pro BNP
Pro NT B-type natriuretic peptide

[ ] pg/mL or ng/L
[ ] pmol/L

Range Information
Too Low: < 0
Normal: Between 10 and 300
Question Zone: > 3000
Red Flag Zone: > 30000

LSPBNP_U

Question Added: 01 SEPT 2015

Missing Reason:
( ) Not Done
( ) Unknown

LSPBNP

14g CRP
C reactive protein

[ ] mg/dL
[ ] mg/L

Range Information
Too Low: < 0
Normal: Between 0 and 0.5
Question Zone: > 5
Red Flag Zone: > 50

LCRP_U

Question Added: 01 JAN 2010

Missing Reason:
( ) Not Done
( ) Unknown

LCRP

Creatinine

Range Information
Too Low: < 0

Question Added: 01 JAN 93 to 31 DEC 2004 | 01

14h

○ mg/dL
○ umol/L

Normal: Between 0.2 and 1.3
Question Zone: > 2.6
Red Flag Zone: > 10

LCREAT_U

JAN 2010 - CURRENT

Missing Reason:
○ Not Done
◉ Unknown

LCREAT

14i

BUN
Blood urea nitrogen

○ mg/dL
○ Urea mmol/L

Range Information
Too Low: < 0
Normal: Between 4 and 20
Question Zone: > 40
Red Flag Zone: > 120

LBUN_U

Question Added: 01 JAN 2010

Missing Reason:
○ Not Done
○ Unknown

LBUN

14j

Cystatin C

mg/L

Range Information
Too Low: < 0
Normal: Between 0.5 and 1.4
Question Zone: > 2.8
Red Flag Zone: > 10

Question Added: 01 SEPT 2015

Missing Reason:
○ Not Done
○ Unknown

LSCSTAT

14k

Total Protein

○ g/dL
○ g/L

Range Information
Too Low: < 0
Normal: Between 3.6 and 8.1
Question Zone: > 12
Red Flag Zone: > 16

LSTP_U

Question Added: 01 JAN 1999

Missing Reason:
○ Not Done
○ Unknown

LSTP

14l

Pre Albumin

○ mg/dL
○ g/L

Range Information
Too Low: < 0
Normal: Between 15 and 40
Question Zone: > 60
Red Flag Zone: > 80

LSPALB_U

Question Added: 01 JAN 2015

Missing Reason:
○ Not Done
○ Unknown

LSPALB

14m

Serum Albumin

○ g/dL
○ g/L

Range Information
Too Low: < 0
Normal: Between 1.9 and 5.8
Question Zone: > 10
Red Flag Zone: > 12

LSSAB_U

Question Added: 01 JAN 1999

Missing Reason:
○ Not Done
○ Unknown

LSSAB

14n

Cholesterol
Total Cholesterol

○ mg/dL
○ mmol/L

Range Information
Too Low: < 50
Normal: Between 50 and 199
Question Zone: > 300
Red Flag Zone: > 600

LCHOL_U

Question Added: 01 JAN 2010

Missing Reason:
○ Not Done
○ Unknown

LCHOL

14o

TG
Triglycerides

○ mg/dL

Range Information
Too Low: < 0
Normal: Between 28 and 149
Question Zone: > 250
Red Flag Zone: > 500

Question Added: 01 JAN 2010

       ○ mmol/L

       LTG_U

Missing Reason:
○ Not Done
○ Unknown

LTG

14p   LDL

Low density lipoprotein

○ mg/dL
○ mmol/L

Range Information
Too Low: < 40
Normal: Between 40 and 159
Question Zone: > 250
Red Flag Zone: > 500

Question Added: 01 JAN 2010

LLDL_U

Missing Reason:
○ Not Done
○ Unknown

LLDL

14q   HDL

High density lipoprotein

○ mg/dL
○ mmol/L

Range Information
Too Low: < 10
Normal: Between 35 and 55
Question Zone: > 70
Red Flag Zone: > 80

Question Added: 01 JAN 2010

LHDL_U

Missing Reason:
○ Not Done
○ Unknown

LHDL

14r   VLDL

Very low density lipoprotein

○ mg/dL
○ mmol/L

Range Information
Too Low: < 0
Normal: Between 2 and 30
Question Zone: > 60
Red Flag Zone: > 250

Question Added: 01 JAN 2010

LVLDL_U

Missing Reason:
○ Not Done
○ Unknown

LVLDL

NYHA and Ross' Heart Failure

15   NYHA Class

○ 1
○ 2
○ 3
○ 4
○ Not Done
○ Unknown

Question Added: 01 JAN 2005
LSNYHA

NYHA Classes

- **Class I**: No symptoms at any level of exertion and no limitation in ordinary physical activity.
- **Class II**: Mild symptoms and slight limitation during regular activity. Comfortable at rest.
- **Class III**: Noticeable limitation due to symptoms, even during minimal activity. Comfortable only at rest.
- **Class IV**: Severe limitations. Experience symptoms even while at rest (sitting in a recliner or watching TV).

16   Ross' Heart Failure Class

○ 1
○ 2
○ 3
○ 4
○ Not Done
○ Unknown

Ross Heart Failure Classes

- **Class I**: No limitations or symptoms
- **Class II**: Mild tachypnea and/or diaphoresis with feeds in infants; dyspnea on exercise in older children. No growth failure.
- **Class III**: Marked tachypnea and/or diaphoresis with feeds or exertion and prolonged feeding time with growth failure.
- **Class IV**: Symptomatic at rest with tachypnea, retractions, grunting or diaphoresis.