

ECHO Variables

	Variable Name	Description	Unit	Format	Codes	Comments
1	PID	Patient ID	na	NUM (6)		site(2) subject(4) Ex. 123456
2	AC	Alphacode	-	CHAR (2)		alpha(2) Ex. AB
3	VISIT	Visit Name	na	CHAR (15)	QUALIFICATION BASELINE FOLLOW UP 1 UNSCHEDULED	-
4	VISIT_DT	Visit Date	-	CHAR (15)		DD MON YYYY
5	AAMD	Mid Ascending Aorta Diameter	cm	NUM (6.2)		NA – NM – ND may appear for blank values
6	AOSD	Aortic Sinus Diameter	cm	NUM (6.2)		NA – NM – ND may appear for blank values
7	STJD	Sinotubular Junction Diameter	cm	NUM (6.2)		NA – NM – ND may appear for blank values
8	AVEOA	AoV EOA Area	cm2	NUM (6.2)		NA – NM – ND may appear for blank values
9	LVET	LV Ejection Time	ms	NUM (6.2)		NA – NM – ND may appear for blank values
10	AVMG	AoV Mean Gradient	ms	NUM (6.2)		NA – NM – ND may appear for blank values
11	AVPG	AoV Peak Gradient	mmHg	NUM (6.2)		NA – NM – ND may appear for blank values
12	AVPV	AoV Peak Velocity	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values
13	AVVTI	AoV TVI	cm	NUM (6.2)		NA – NM – ND may appear for blank values
14	ASDL	Atrial Septal Defect Location	na	CHAR (40)	None Primum Secundum Sinus Venosus NM ND	MULTIPLE locations possible. Semicolon (;) delimiter separates locations.
15	CTHRBL1	Chamber Thrombus Location (core)	-	CHAR (30)	None LA LV RA RV PA IVC NM ND	MULTIPLE locations possible. Semicolon (;) delimiter separates locations.
16	CMT	Comments	-	CHAR (200)		-
17	MVEELAT1	E / e' Lateral	-	NUM (6.2)		NA – NM – ND may appear for blank values
18	MVEEMED1	E / e' Septal	-	NUM (6.2)		NA – NM – ND may appear for blank values
19	LVGLOB	LV Global Peak Long Strain	%	NUM (6.2)		NA – NM – ND may appear for blank values
20	RVGLOB3	Global RV Free Wall Peak Long Strain (3 Segments)	%	NUM (6.2)		NA – NM – ND may appear for blank values
21	RVGLOB6	Global RV Free Wall Peak Long Strain (6 Segments)	%	NUM (6.2)		NA – NM – ND may appear for blank values
22	HVAR	Hepatic Vein Peak Atrial Reversal	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values
23	HVD	Hepatic Vein Peak D Wave	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values
24	HVS	Hepatic Vein Peak S Wave Peak	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values
25	HR	Heart Rate	bpm	NUM (6.2)		NA – NM – ND may appear for blank values

26	IVSD	Intraventricular Septum Diastolic	cm	NUM (6.2)		NA – NM – ND may appear for blank values
27	LAA	Left Atrial Area	cm2	NUM (6.2)		NA – NM – ND may appear for blank values
28	LAV4C	Left Atrial Volume 4 CH	mL	NUM (6.2)		NA – NM – ND may appear for blank values
29	LAVIX	Left Atrial Volume Index	mL/m2	NUM (6.2)		NA – NM – ND may appear for blank values
30	LVCOBPC	Contrast LV Cardiac Output	L/min	NUM (6.2)		NA – NM – ND may appear for blank values
31	LVCOBP	LV Cardiac Output	L/min	NUM (6.2)		NA – NM – ND may appear for blank values
32	LVEDD	LV End Diastolic Diameter	cm	NUM (6.2)		NA – NM – ND may appear for blank values
33	LVDF	LV Diastolic Function	-	CHAR (15)	Normal Stage 1 Stage 2 Stage 3 NM ND	-
34	LVEF	LV Visual Ejection Fraction	%	NUM (6.2)		NA – NM – ND may appear for blank values
35	LVEFA4C	LV EF 4CH	%	NUM (6.2)		NA – NM – ND may appear for blank values
36	LVEFA4CC	C4C LV Ejection Fraction	%	NUM (6.2)		NA – NM – ND may appear for blank values
37	LVEFBP	BP LV Ejection Fraction	%	NUM (6.2)		NA – NM – ND may appear for blank values
38	LVEFBPC	Contrast BP LV Ejection Fraction	%	NUM (6.2)		NA – NM – ND may appear for blank values
39	LVMASSC	LV Mass Corr	g	NUM (6.2)		NA – NM – ND may appear for blank values
40	LVTEI	LV TEI Index	-	NUM (6.2)		NA – NM – ND may appear for blank values
41	LVESD	LV End Systolic Diameter	cm	NUM (6.2)		NA – NM – ND may appear for blank values
42	LVSVP	LV Stroke Volume	mL	NUM (6.2)		NA – NM – ND may appear for blank values
43	LVSVPBPC	Contrast LV Stroke Volume	mL	NUM (6.2)		NA – NM – ND may appear for blank values
44	LVEDVA4C	LVEDV 4 CH	mL	NUM (6.2)		NA – NM – ND may appear for blank values
45	LVDVA4CC	C4CLV End Diastolic Volume	mL	NUM (6.2)		NA – NM – ND may appear for blank values
46	LVEDVBP	BP LV End Diastolic Volume	mL	NUM (6.2)		NA – NM – ND may appear for blank values
47	LVEDVBPC	Contrast BP LV End Diastolic Volume	mL	NUM (6.2)		NA – NM – ND may appear for blank values
48	LVESVA4C	LVESV 4CH	mL	NUM (6.2)		NA – NM – ND may appear for blank values
49	LVSVA4CC	C4CLV End Systolic Volume	mL	NUM (6.2)		NA – NM – ND may appear for blank values
51	LVESVBP	BP LV End Systolic Volume	mL	NUM (6.2)		NA – NM – ND may appear for blank values
52	LVESVBPC	Contrast BP LV End Systolic Volume	mL	NUM (6.2)		NA – NM – ND may appear for blank values
53	LVOTD	LVOT Diameter	cm	NUM (6.2)		NA – NM – ND may appear for blank values
54	LVOTVTI	LVOT TVI	cm	NUM (6.2)		NA – NM – ND may appear for blank values
55	LVPWD	Left Ventricular Posterior Wall Diastolic	cm	NUM (6.2)		NA – NM – ND may appear for blank values

56	MRG	Mitral Valve Regurgitation Degree	-	CHAR (10)	None Trace Mild Moderate Severe NM ND	-
57	MVA	Mitral Valve A Velocity	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values
58	MVACD	Mitral Annular Calcification Severity	-	CHAR (10)	Mild Moderate Severe NM ND	-
59	MVDT	Mitral Valve Deceleration Time	ms	NUM (6.2)		NA – NM – ND may appear for blank values
60	MVE	Mitral Valve E Velocity	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values
61	MVELAT	MV Lateral e'	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values
62	MVESEP	MV Septal e'	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values
63	PFO2	Patent Foramen Ovale Present	-	CHAR (10)	Yes No NM ND	-
65	PEFFL1	Pericardial Effusion Location	-	CHAR (22)	None LV RV RA LA NM ND	MULTIPLE locations possible. Semicolon (;) delimiter separates locations.
66	PEFFS1	Pericardial Effusion Severity	-	CHAR (8)	None Trivial Mild Moderate Severe NM ND	-
67	PRLDV	Peak Pulmonic Regurgitation Late Diastolic Flow	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values
68	PREDV	Peak Pulmonic Regurgitation Early Diastolic Flow	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values
69	PR	Pulmonic Regurgitation	-	CHAR (10)	None Trace Mild Moderate Severe NM ND	-
70	PVADUR	A Duration	ms	NUM (6.2)		NA – NM – ND may appear for blank values
71	QPQS1	Shunt Ratio	-	NUM (6.2)		NA – NM – ND may appear for blank values
72	RAP	Right Atrial Pressure	mmHg	NUM (6.2)		NA – NM – ND may appear for blank values
73	RADMAJ	Right Atrial Dimension, Major	cm	NUM (6.2)		NA – NM – ND may appear for blank values
74	RADMIN	Right Atrial Dimension, Minor	cm	NUM (6.2)		NA – NM – ND may appear for blank values
75	RAV	Right Atrial Volume	mL	NUM (6.2)		NA – NM – ND may appear for blank values
76	RAVIX	RA Volume Index	mL/m2	NUM (6.2)		NA – NM – ND may appear for blank values
77	RUPVA	Pulmonary Vein Atrial Reversal Peak	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values

78	RUPVD	Pulmonary Vein D Wave Peak	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values
79	RUPVS	Pulmonary Vein S Velocity	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values
80	RVAD	RV End Diastolic Area	cm ²	NUM (6.2)		NA – NM – ND may appear for blank values
81	RVADC	Contrast RV End Diastolic Area	cm ²	NUM (6.2)		NA – NM – ND may appear for blank values
82	RVAS	RV End Systolic Area	cm ²	NUM (6.2)		NA – NM – ND may appear for blank values
83	RVASCO	Contrast RV End Systolic Area	cm ²	NUM (6.2)		NA – NM – ND may appear for blank values
84	RVEF3D	3D RVEF	%	NUM (6.2)		NA – NM – ND may appear for blank values
85	RVFAC	RV Fractional Shortening	%	NUM (6.2)		NA – NM – ND may appear for blank values
86	RVFACC1	Contrast RV Fractional Shortening	%	NUM (6.2)		NA – NM – ND may appear for blank values
87	RVMIND	RV End Diastolic Basal Dimension	cm	NUM (6.2)		NA – NM – ND may appear for blank values
88	RVMINS	RV End Systolic Dimension (base)	cm	NUM (6.2)		NA – NM – ND may appear for blank values
89	RVSIZE	Right Ventricle Size (visual)	-	CHAR (25)	Normal Mildly Dilated Moderately Dilated Severely Dilated NM ND	-
90	RVFUNC	Right Ventricle Function (visual)	-	CHAR (25)	Normal Mild Decrease Moderate Decrease Severe Decrease NM ND	-
91	RVTEI	RV TEI Index (RVET and TV C-O, calculation)	-	NUM (6.2)		NA – NM – ND may appear for blank values
92	RVTITDI1	RV TEI Index from TDI (Pulsed wave TV annular lateral wall TDI, calculation)	-	NUM (6.2)		NA – NM – ND may appear for blank values
93	RVEDV3D	3D RVED Volume	mL	NUM (6.2)		NA – NM – ND may appear for blank values
94	RVESV3D	3D RVES Volume	mL	NUM (6.2)		NA – NM – ND may appear for blank values
95	RVWD	RVD Wall Thickness	cm	NUM (6.2)		NA – NM – ND may appear for blank values
96	RVOTET	RV Ejection Time	ms	NUM (6.2)		NA – NM – ND may appear for blank values
97	RVOTDDST	RVOT Diameter PSAX View - (valve level) in Diastole Distal	cm	NUM (6.2)		NA – NM – ND may appear for blank values
98	RVOTVTI	RVOT Velocity Time Integral	cm	NUM (6.2)		NA – NM – ND may appear for blank values
99	RVSPSAL	RVSP Saline	mmHg	NUM (6.2)		NA – NM – ND may appear for blank values
100	RVSP	Right Ventricular Systolic Pressure	mmHg	NUM (6.2)		NA – NM – ND may appear for blank values
101	TAPSE	Tricuspid Annular Plane Systolic Excursion	cm	NUM (6.2)		NA – NM – ND may appear for blank values
102	TAR	Aortic Regurgitation Degree	-	CHAR (10)	None Trace Mild Moderate Severe NM ND	-
103	TRPVSA	TR Vmax Saline	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values

104	TRPV	Tricuspid Valve Peak Regurgitation Velocity	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values
105	TVDT	Tricuspid Valve Deceleration Time	ms	NUM (6.2)		NA – NM – ND may appear for blank values
106	TVEFW	TV Lateral e'	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values
107	TVEE	TV E/e'	ms	NUM (6.2)		NA – NM – ND may appear for blank values
108	TVE	Tricuspid Valve E Velocity	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values
109	TRG	Tricuspid Valve Regurgitation Degree	-	CHAR (10)	None Trace Mild Moderate Severe NM ND	-
110	TVSFW	TV Lateral s'	cm/s	NUM (6.2)		NA – NM – ND may appear for blank values
111	VSDL	Ventricular Septal Defect Location	-	CHAR (46)	None Perimembranous Muscular Supracristal NM ND	MULTIPLE locations possible. Semicolon (;) delimiter separates locations.
112	IASSF2	Shunt Flow Direction	-	CHAR (20)	None Left to right Right to left Bidirectional Intrapulmonary NM ND	-
113	LVEDV3D	3D LVED Volume	mL	NUM (6.2)		NA – NM – ND may appear for blank values
114	RVOTDPRX	RVOT Diameter PSAX View – (proximal level) in Diastole Proximal	cm	NUM (6.2)		NA – NM – ND may appear for blank values
115	LVEF3D	3D LVEF	%	NUM (6.2)		NA – NM – ND may appear for blank values
116	RVDF	RV Diastolic Function	-	CHAR (10)	Normal Stage 1 Stage 2 Stage 3 NM ND	-
117	LVESV3D	3D LVES Volume	mL	NUM (6.2)		NA – NM – ND may appear for blank values
118	PAEDG	PA End Diastolic Pressure Gradient	mmHg	NUM (6.2)		NA – NM – ND may appear for blank values
119	PAMDG	PA Mean Pressure	mmHg	NUM (6.2)		NA – NM – ND may appear for blank values

Missing Data Codes for numeric fields –

NA, NM, ND as the missing data codes for numeric fields. When a numeric value cannot be provided for a numeric field, instead of a number, one of these codes will be output to the transfer file.

NA = Not Applicable

NM = Not Measurable

ND = Not Recorded by Site

Default precision for numeric fields –

Two decimal digits.

Non-numeric fields defined with code lists –

Per sponsor request, the selected text string as shown in above definition table (code column) will be output to the transfer file.