

Marfan Data Codebook
A302: Echocardiography Core Laboratory (Part 1)
(raw data)

DATE CREATED 13SEP18

Number of Observations: 3043

Number of Variables: 58

Organization of file: Up to Seven Records per Patient

Variable Label (VAR)	Variable Name	Category	N(%)	N(Missing)	Mean(SD)	Median(Q1,Q3)	Range of Values
A1. Random identification number	RANDOM_ID			3043(0)			144508.00-145870.00
VISIT	VISIT	BASELINE	654(21.5)				
		STUDY VISIT 1 (Month 6)	619(20.3)				
		STUDY VISIT 2 (Month 12)	633(20.8)				
		STUDY VISIT 3 (Month 24)	583(19.2)				
		STUDY VISIT 4 (Month 36)	551(18.1)				
		WITHDRAWAL FROM TRIAL	3(0.1)				
A5. Age at central reading	READ_AGE			3023(20)	12.60(6.34)	12.10(7.50,17.10)	0.60-29.20
A6. Acceptable for analysis	ACCEPTABLE	1:Yes	3023(99.3)				
		2:No	20(0.7)				
A7. Image quality	IMGQUAL	Excellent	53(1.7)				
		Fair	668(22.0)				
		Good	2302(75.6)				
		Skipped	20(0.7)				
B0. Gender	CGENDER	1:Male	1820(59.8)				

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		2:Female	1203(39.5)				
		Skipped	20(0.7)				
B2. Age at echocardiogram	AGE_ECHO			3023(20)	12.34(6.34)	11.85(7.20,16.89)	0.52-29.01
B3. Weight (kg)	WT_ECHO			3022(21)	45.06(22.96)	42.50(25.60,61.80)	5.90-185.80
B4. Weight Z-score (SD)	WT_Z			2626(417)	0.36(1.13)	0.45(-0.29,1.08)	-4.92-3.94
B5. Height or length (cm)	HT_ECHO			3022(21)	156.33(29.68)	163.05(134.00,180.50)	66.90-209.70
B6. Height or length Z-score (SD)	HT_Z			2626(417)	2.01(1.16)	2.08(1.31,2.81)	-2.17-5.51
B7. Body surface area (m)	BSA			3022(21)	1.37(0.47)	1.38(0.97,1.75)	0.34-3.24
B8. Systolic blood pressure (mmHg)	SBP_ECHO			3007(36)	94.45(12.79)	93.00(85.00,102.00)	60.00-149.00
<created var> Systolic blood pressure vs age z-score	SBP_Z			3007(36)	-1.01(0.98)	-1.08(-1.71,-0.43)	-3.67-3.88
B9. Diastolic blood pressure (mmHg)	DBP_ECHO			3007(36)	55.26(8.62)	55.00(50.00,60.00)	22.00-104.00
<created var> Diastolic blood pressure vs age z-score	DBP_Z			3007(36)	-0.13(0.92)	-0.17(-0.75,0.43)	-2.94-5.65
B10. Mean blood pressure (mmHg)	MBP_ECHO			2973(70)	68.28(9.93)	68.00(61.00,75.00)	41.00-112.00

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<created var> Mean blood pressure vs age z-score	MBP_Z			2973(70)	-0.65(0.95)	-0.69(-1.32,-0.05)	-3.60-5.17
B11. Heart rate (beats/minute)	HR_ECHO			2995(48)	72.20(16.36)	70.00(61.00,81.00)	38.00-151.00
C0. Were regional wall motion abnormalities present?	CABNWALL	1:Yes	30(1.0)				
		2:No	2993(98.4)				
		Skipped	20(0.7)				
C1a. 2D LV heart rate (bpm)	C2DHRATE			2994(49)	73.10(17.46)	71.00(61.00,82.00)	37.00-179.00
C1b. 2D LV end-diastolic volume (mL)	C2DEDV			2578(465)	97.86(46.31)	91.30(61.10,129.40)	9.80-363.20
C1c. 2D LV end diastolic volume Z-score (SD)	C2DEDVZ			987(2056)	1.19(1.23)	0.80(0.35,1.61)	0.00-9.52
C1d. 2D LV end-systolic volume (mL)	C2DESV			2582(461)	33.77(17.69)	30.50(20.40,43.80)	2.70-151.80
C1k. 2D LV end systolic volume Z-score (SD)	C2DESVZ			868(2175)	0.94(0.79)	0.74(0.35,1.34)	0.00-4.67
C1e. 2D LV ejection fraction (%)	C2DEF			2577(466)	65.65(6.20)	65.80(61.10,70.10)	35.50-82.90

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C1f. 2D LV ejection fraction Z-score (SD)	C2DEFZ			3043(0)	-12.57(31.34)	0.27(-1.12,1.30)	-88.00-5.04
C1g. 2D LV mass (g)	C2DMASS			2568(475)	87.96(43.58)	81.10(52.90,116.95)	9.00-260.10
C1h. 2D LV mass Z-score (SD)	C2DMASSZ			3043(0)	-13.70(31.67)	-0.58(-1.52,0.33)	-88.00-10.19
C1i. 2D LV mass / volume ratio (g/mL)	C2DMVR			2568(475)	0.90(0.16)	0.89(0.79,1.01)	0.51-1.67
C1j. 2D LV mass / volume ratio Z-score (SD)	C2DMVRZ			3043(0)	-13.16(31.46)	-0.28(-1.36,0.76)	-88.00-6.53
C2a. M-mode heart rate (bpm)	CMMHRATE			2952(91)	73.42(17.33)	71.00(61.00,83.00)	37.00-160.00
C2b. M-mode IVS end-diastolic thickness (cm)	CMMIVSED			2917(126)	0.70(0.18)	0.68(0.57,0.81)	0.30-1.54
C2c. M-mode IVS end-diastolic thickness Z-score (SD)	CMMIVSEDZ			3043(0)	-4.70(17.28)	-1.16(-1.86,-0.44)	-88.00-4.01
C2d. M-mode LV end-diastolic dimension (cm)	CMMEDD			2917(126)	4.69(0.81)	4.67(4.11,5.23)	2.19-8.06
C2e. M-mode LV end diastolic dimension Z-score (SD)	CMMEDDZ			3043(0)	-2.88(17.71)	0.67(-0.30,1.69)	-88.00-10.96
C2f. M-mode PW end-diastolic thickness (cm)	CMMEDPWT			2917(126)	0.65(0.16)	0.63(0.53,0.76)	0.28-1.31

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C2g. M-mode PW end-diastolic thickness Z-score (SD)	CMMEDPWTZ			3043(0)	-4.89(17.24)	-1.40(-2.08,-0.62)	-88.00-2.66
C2h. M-mode LV end-systolic dimension (cm)	CMMESD			2917(126)	2.95(0.58)	2.92(2.54,3.34)	1.23-5.18
C2m. M-mode LV end systolic dimension Z-score (SD)	CMMESDZ			3043(0)	-3.34(17.60)	0.26(-0.71,1.19)	-88.00-6.36
C2i. M-mode LV shortening fraction (%)	CSFMM			2917(126)	37.24(5.09)	36.90(33.30,40.60)	24.60-61.70
C2j. M-mode LV shortening fraction Z-score (SD)	CSFMMZ			3043(0)	-2.84(16.42)	0.30(-0.79,1.38)	-88.00-5.90
C2k. M-mode LV mass (g)	CMASSMM			2917(126)	106.74(55.94)	95.20(63.70,141.00)	11.70-389.60
C2l. M-mode LV mass Z-score (SD)	CMASSMMZ			3043(0)	-4.23(17.41)	-0.69(-1.66,0.26)	-88.00-5.32
F1. Severity	CMVRSV	Indeterminate	28(0.9)				
		Measurable	552(18.1)				
		None	1111(36.5)				
		Skipped	20(0.7)				
		Trivial	1332(43.8)				

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F2a. Apical 4-ch view jet #1 width (cm)	CMV4CHJ1W			518(2525)	0.40(0.16)	0.37(0.29,0.47)	0.14-1.06
F2b. Parasternal long axis view jet #1 width (cm)	CMVLAXJ1W			517(2526)	0.34(0.15)	0.31(0.23,0.41)	0.07-1.33
F2c. Regurgitant jet #1 area (mm)	CMVREGURGJ1A			502(2541)	11.76(9.98)	8.94(5.50,14.70)	1.43-110.67
F3. Mitral proximal regurgitant jet #2 present?	CMVREGURGJ2	1:Yes	46(1.5)				
		2:No	506(16.6)				
		Skipped	2491(81.9)				
F3a. Apical 4-ch view jet #2 width (cm)	CMV4CHJ2W			24(3019)	0.39(0.17)	0.34(0.26,0.46)	0.20-0.94
F3b. Parasternal long axis view jet #2 width (cm)	CMVLAXJ2W			13(3030)	0.36(0.13)	0.35(0.24,0.47)	0.19-0.53
F3c. Regurgitant jet #2 area (mm)	CMVREGURGJ2A			5(3038)	10.22(7.87)	7.72(4.62,11.54)	3.97-23.24
F4a. Total regurgitant jet area (F2c+F3c) (mm)	CMVREGURGTOT			461(2582)	11.56(9.18)	8.90(5.44,14.56)	1.49-52.75
F4b. Total regurgitant jet area index (mm / m)	CMVREGTOTIND			461(2582)	9.38(7.07)	7.51(4.61,11.66)	1.26-48.06
G1. Mitral valve prolapse	CMVPROLAPSE	Borderline	722(23.7)				

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		Indeterminate	44(1.4)				
		None	1225(40.3)				
		Present	1032(33.9)				
		Skipped	20(0.7)				
G2. Tricuspid valve prolapse	CTVPROLAPSE	Borderline	749(24.6)				
		Indeterminate	245(8.1)				
		None	1493(49.1)				
		Present	536(17.6)				
		Skipped	20(0.7)				
<from amfs_echo_id> Purpose of Echo	ECHOPURP	Regular echo read	2897(95.2)				
		Repeat QC echo read	146(4.8)				
Form Version	VER_ID	A	45(1.5)				
		B	2998(98.5)				