

Marfan Data Codebook
Form A303: Echocardiography Core Laboratory (Part 2)
(raw data)

DATE CREATED 13SEP18

Number of Observations: 3043

Number of Variables: 73

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
A5. Age at central reading	READ_AGE			3041(2)	12.79(6.35)	12.30(7.70,17.30)	0.70-29.40
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)				
A6. Acceptable for analysis	ACCEPTABLE	1:Yes	3041(99.9)				
		2:No	2(0.1)				
B0. Gender	CGENDER	1:Male	1831(60.2)				
		2:Female	1210(39.8)				
		Skipped	2(0.1)				
B2. Age at echocariogram	AGE_ECHO			3041(2)	12.34(6.34)	11.86(7.21,16.92)	0.52-29.01
B3. Weight (kg)	WT_ECHO			3040(3)	45.09(22.95)	42.55(25.60,61.85)	5.90-185.80

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B4. Weight Z-score (SD)	WT_Z			2645(398)	0.36(1.13)	0.45(-0.29,1.08)	-4.92-3.94
B5. Height or length (cm)	HT_ECHO			3040(3)	156.37(29.70)	163.20(134.00,180.55)	66.90-209.70
B6. Height or length Z-score (SD)	HT_Z			2645(398)	2.01(1.16)	2.08(1.31,2.80)	-2.17-5.51
B7. Body surface area (m)	BSA			3040(3)	1.37(0.47)	1.38(0.97,1.75)	0.34-3.24
B8. Systolic blood pressure (mmHg)	SBP_ECHO			3025(18)	94.46(12.78)	93.00(85.00,102.00)	60.00-149.00
B9. Diastolic blood pressure (mmHg)	DBP_ECHO			3025(18)	55.27(8.61)	55.00(50.00,60.00)	22.00-104.00
B10. Mean blood pressure (mmHg)	MBP_ECHO			2991(52)	68.28(9.92)	68.00(61.00,75.00)	41.00-112.00
B11. Heart rate (beats/minute)	HR_ECHO			3013(30)	72.24(16.54)	70.00(61.00,81.00)	38.00-190.00
D1a1. AV annulus min measurement #1 (cm)	CAVAMIN1			3023(20)	1.89(0.37)	1.89(1.61,2.15)	0.89-3.88
D1a2. AV annulus max measurement #1 (cm)	CAVAMAX1			3024(19)	2.25(0.45)	2.25(1.92,2.57)	0.96-4.79
D1b1. AV annulus min measurement #2 (cm)	CAVAMIN2			3016(27)	1.89(0.37)	1.89(1.62,2.17)	0.89-3.59
D1b2. AV annulus max measurement #2 (cm)	CAVAMAX2			3017(26)	2.26(0.45)	2.25(1.93,2.58)	1.06-4.14

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D1c1. AV annulus min measurement #3 (cm)	CAVAMIN3			3006(37)	1.88(0.37)	1.89(1.60,2.14)	0.93-3.75
D1c2. AV annulus max measurement #3 (cm)	CAVAMAX3			3005(38)	2.26(0.45)	2.26(1.91,2.59)	1.02-4.30
D1d1. AV annulus min average of measurements 1-3 (cm)	CAVAMINAV			3023(20)	1.89(0.36)	1.90(1.62,2.15)	0.92-3.74
D1d2. AV annulus max average of measurements 1-3 (cm)	CAVAMAXAV			3025(18)	2.26(0.44)	2.26(1.92,2.58)	1.03-4.17
D1e1. AV annulus max Z-score (SD)	CAVAZ			2980(63)	2.81(1.43)	2.67(1.85,3.55)	0.01-14.43
D2a1. Ao valsalva min measurement #1 (cm)	CASVMIN1			3029(14)	3.23(0.69)	3.28(2.70,3.75)	1.43-6.02
D2a2. Ao valsalva max measurement #1 (cm)	CASVMAX1			3030(13)	3.49(0.70)	3.53(2.94,4.04)	1.68-6.56
D2b1. Ao valsalva min measurement #2 (cm)	CASVMIN2			3021(22)	3.23(0.68)	3.28(2.69,3.75)	1.46-5.71
D2b2. Ao valsalva max measurement #2 (cm)	CASVMAX2			3022(21)	3.50(0.71)	3.54(2.94,4.05)	1.59-6.44
D2c1. Ao valsalva min measurement #3 (cm)	CASVMIN3			3015(28)	3.23(0.68)	3.27(2.69,3.74)	1.43-6.17

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D2c2. Ao valsalsa max measurement #3 (cm)	CASVMAX3			3008(35)	3.51(0.71)	3.55(2.95,4.06)	1.62-6.56
D2d1. Ao valsalsa min average of measurements 1-3 (cm)	CASVMINAV			3029(14)	3.23(0.68)	3.28(2.69,3.75)	1.46-5.97
D2d2. Ao valsalsa max average of measurements 1-3 (cm)	CASVMAXAV			3030(13)	3.50(0.70)	3.54(2.95,4.05)	1.64-6.52
D2e1. Ao valsalsa max Z-score (SD)	CASVZ			3028(15)	4.35(1.41)	4.13(3.38,5.05)	0.24-16.17
D3a1. Ao sinotubular jct min measurement #1 (cm)	CSTJCTMIN1			2792(251)	2.31(0.50)	2.30(1.94,2.66)	1.07-4.68
D3a2. Ao sinotubular jct max measurement #1 (cm)	CSTJCTMAX1			2845(198)	2.60(0.53)	2.59(2.21,2.98)	1.25-4.73
D3b1. Ao sinotubular jct min measurement #2 (cm)	CSTJCTMIN2			2750(293)	2.32(0.50)	2.30(1.94,2.67)	1.06-4.50
D3b2. Ao sinotubular jct max measurement #2 (cm)	CSTJCTMAX2			2812(231)	2.61(0.53)	2.60(2.22,2.99)	1.32-4.80
D3c1. Ao sinotubular jct min measurement #3 (cm)	CSTJCTMIN3			2715(328)	2.31(0.50)	2.29(1.93,2.65)	1.06-4.35
D3c2. Ao sinotubular jct max measurement #3 (cm)	CSTJCTMAX3			2792(251)	2.62(0.52)	2.61(2.22,3.00)	1.28-4.80

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Variable Label (VAR)	Variable Name	Category	N(%)	N(Missing)	Mean(SD)	Median(Q1,Q3)	Range of Values
D3d1. Ao sinotubular jct min average of measurements 1-3 (cm)	CSTJCTMINAV			2792(251)	2.31(0.49)	2.30(1.94,2.65)	1.09-4.43
D3d2. Ao sinotubular jct max average of measurements 1-3 (cm)	CSTJCTMAXAV			2845(198)	2.61(0.52)	2.60(2.22,2.98)	1.30-4.71
D3e1. Ao sinotubular jct max Z-score (SD)	CSTJCTZ			2838(205)	2.61(1.27)	2.47(1.77,3.24)	0.01-12.34
D4a1. Ascending aorta min measurement #1 (cm)	CAAOMIN1			2626(417)	2.10(0.43)	2.08(1.79,2.38)	1.02-4.45
D4a2. Ascending aorta max measurement #1 (cm)	CAAOMAX1			2716(327)	2.42(0.45)	2.42(2.09,2.72)	1.21-4.68
D4b1. Ascending aorta min measurement #2 (cm)	CAAOMIN2			2565(478)	2.10(0.42)	2.07(1.79,2.37)	0.98-4.46
D4b2. Ascending aorta max measurement #2 (cm)	CAAOMAX2			2683(360)	2.42(0.45)	2.43(2.09,2.73)	1.22-4.79
D4c1. Ascending aorta min measurement #3 (cm)	CAAOMIN3			2528(515)	2.09(0.42)	2.07(1.78,2.37)	0.86-4.41
D4c2. Ascending aorta max measurement #3 (cm)	CAAOMAX3			2657(386)	2.42(0.45)	2.41(2.10,2.72)	1.23-4.60
D4d1. Ascending aorta min average of measurements 1-3 (cm)	CAAOMINAV			2626(417)	2.10(0.42)	2.08(1.79,2.37)	0.97-4.39

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D4d2. Ascending aorta max average of measurements 1-3 (cm)	CAAOMAXAV			2716(327)	2.42(0.45)	2.42(2.09,2.72)	1.23-4.67
D4e1. Ascending aorta max Z-score (SD)	CAAOZ			2512(531)	1.33(0.89)	1.19(0.71,1.75)	0.00-9.96
D5. Descending aorta max (cm)	CDAO			2888(155)	1.32(0.31)	1.29(1.10,1.52)	0.53-2.53
D6. Main pulmonary artery max (cm)	CMPA			2477(566)	2.38(0.43)	2.37(2.09,2.66)	1.14-4.73
D6a. Main pulmonary artery max Z-score (SD)	CMPAZ			2318(725)	2.17(1.19)	2.12(1.27,2.93)	0.00-6.88
E1. Ao regurgitation severity	CAVRSV	Indeterminate	15(0.5)				
		Measurable	70(2.3)				
		None	2687(88.3)				
		Skipped	2(0.1)				
		Trivial	269(8.8)				
E2a. Ao proximal parasternal long axis view jet #1 width (cm)	CAOPLAXJ1W			68(2975)	0.22(0.08)	0.21(0.16,0.27)	0.08-0.41

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E2b. Ao proximal parasternal short axis view jet #1 width (cm)	CAOPSAXJ1W			45(2998)	0.23(0.07)	0.22(0.18,0.26)	0.11-0.45
E2c. Ao proximal regurgitant jet #1 area (mm)	CAOREGURGJ1A			43(3000)	4.35(2.74)	3.63(2.89,5.44)	1.01-12.87
E3. Aortic proximal regurgitant jet #2 present?	CAOREGURGJ2	1:Yes		6(0.2)			
		2:No		64(2.1)			
		Skipped		2973(97.7)			
E3a. Ao proximal parasternal long axis view jet #2 width (cm)	CAOPLAXJ2W			6(3037)	0.19(0.05)	0.18(0.15,0.25)	0.14-0.25
E3b. Ao proximal parasternal short axis view jet #2 width (cm)	CAOPSAXJ2W			4(3039)	0.13(0.06)	0.12(0.10,0.17)	0.08-0.21
E3c. Ao proximal regurgitant jet #2 area (mm)	CAOREGURGJ2A			4(3039)	1.99(0.70)	2.34(1.63,2.36)	0.94-2.36
E4a. Total ao proximal regurgitant jet area (E2c+E3c) (mm)	CAOREGURGTOT			4(3039)	5.46(0.77)	5.34(4.89,6.02)	4.67-6.48
E4b. Total ao proximal regurgitant jet area index (mm/m)	CAOREGTOTIND			4(3039)	3.96(1.35)	3.58(3.03,4.89)	2.82-5.86

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E5. Duration of diastolic flow in the proximal thoracic ao(msec)	CPROXFLOW			2839(204)	587.52(172.08)	568.00(467.00,694.00)	196.00-1268.00
E6. Duration of dia flow revers in prox thor ao (msec)	CPROXFLOWREV			1211(1832)	98.70(68.98)	100.00(68.00,132.00)	0.00-934.00
E7. % duration of dia flow revers in prox thor ao	CPROXPERFLOW			1208(1835)	18.70(14.79)	18.40(12.00,24.00)	0.00-100.00
E8. Duration of dia flow in dist thor ao	CDISTFLOW			2969(74)	605.26(179.23)	584.00(477.00,715.00)	209.00-1342.00
E9. Duration of diastolic flow reversal in the distal thoracic a	CDISTFLOWREV			2481(562)	22.71(45.75)	0.00(0.00,38.00)	0.00-602.00
E10. % duration of dia flow revers in dist thor ao	CDISTPERFLOW			2478(565)	4.06(8.74)	0.00(0.00,6.30)	0.00-99.50
E11. Image quality	IMGQUAL	Excellent		182(6.0)			
		Fair		140(4.6)			
		Good		2719(89.4)			
		Skipped		2(0.1)			
<from amfs_echo_id> Purpose of Echo	ECHOPURP	Regular echo read		2897(95.2)			
		Repeat QC echo read		146(4.8)			

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Form Version	VER_ID	A	60(2.0)				
		B	2983(98.0)				