

## Codebook for mhxa Dataset

DATA SET: mhxa LABEL: DATE CREATED: 07OCT15:10:54:08  
 Number of Observations: 5257  
 Number of Variables: 84  
 Organization of file: Summary of JHS Participants (SUBJID)

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
SUBJID	PARTICIPANT ANALYSIS ID	Char	\$	7		-			
VISIT	CONTACT OCCASION	Num		8	1	1.00-1.00		5257	100.00
MHXA1	1: Told you snore loudly, bother others while sleep.	Char	\$MHXAR1V	1		-		2	0.04
						A	A. Never	2044	38.88
						B	B. Seldom	779	14.82
						C	C. Sometimes	1528	29.07
						D	D. Often	484	9.21
						E	E. Almost Always	420	7.99
MHXA2	2: Told that you stop breathing in your sleep.	Char	\$MHXAR1V	1		-		4	0.08
						A	A. Never	4579	87.10
						B	B. Seldom	181	3.44
						C	C. Sometimes	343	6.52
						D	D. Often	92	1.75
						E	E. Almost Always	58	1.10
MHXA3	3: Fall asleep during the day.	Char	\$MHXAR1V	1		-		3	0.06
						A	A. Never	1889	35.93
						B	B. Seldom	787	14.97
						C	C. Sometimes	1941	36.92
						D	D. Often	411	7.82
						E	E. Almost Always	226	4.30
MHXA4	4: You are tired after sleeping.	Char	\$MHXAR1V	1		-		4	0.08
						A	A. Never	2672	50.83
						B	B. Seldom	727	13.83
						C	C. Sometimes	1506	28.65
						D	D. Often	203	3.86
						E	E. Almost Always	145	2.76

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MHXA5	5: You feel sleepy/fall asleep while driving	Char	\$MHXAR1V	1			-	15	0.29	
							A	A. Never	3839	73.03
							B	B. Seldom	656	12.48
							C	C. Sometimes	667	12.69
							D	D. Often	51	0.97
						E	E. Almost Always	29	0.55	
MHXA6	6: Rate your sleep quality overall	Char	\$MHXA6V	1			-	3	0.06	
							E	Excellent	482	9.17
							F	Fair	1260	23.97
							G	Good	1808	34.39
							P	Poor	552	10.50
						V	Very good	1152	21.91	
MHXA7	7: Hours of actual sleep at night (Hours)?	Num		8	6.43371429	1.00-18.00		5250	99.87	
MHXA8	8: Ever had any pain/discomfort in chest?	Char	\$JH_YNV	1			-	3	0.06	
							N	No	3069	58.38
							Y	Yes	2185	41.56
MHXA9	9: Chest pain walking up hill?	Char	\$MHXAR9V	1			-	3070	58.40	
							H	H. Never hurries or walks uphill	56	1.07
							N	N. No	1483	28.21
							Y	Y. Yes	648	12.33
MHXA10	10: Chest pain walking at ordinary pace on level?	Char	\$JH_YNV	1			-	4536	86.28	
							N	No	496	9.44
							Y	Yes	225	4.28
MHXA11	11: What do you do if you get chest pain while walking?	Char	\$MHXARAV	1			-	5025	95.59	

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						C	Carry on	36	0.68
						S	Stop or slow down	196	3.73
MHXA12	12: If you stand still, what happens?	Char	\$MHXARBV	1		-		5031	95.70
						N	Not relieved	51	0.97
						R	Relieved	175	3.33
MHXA13	13: Time required for relief of chest pain	Char	\$MHXARCV	1		-		5076	96.56
						L	L. 10 minutes or less	154	2.93
						M	M. More than 10 minutes	27	0.51
MHXA14A	14a: Pain location-Sternum (upper or middle)?	Char	\$JH_YNV	1		-		5099	96.99
						N	No	47	0.89
						Y	Yes	111	2.11
MHXA14B	14b: Pain location-Sternum (lower)?	Char	\$JH_YNV	1		-		5101	97.03
						N	No	139	2.64
						Y	Yes	17	0.32
MHXA14C	14c: Pain location-Left anterior chest?	Char	\$JH_YNV	1		-		5101	97.03
						N	No	92	1.75
						Y	Yes	64	1.22
MHXA14D	14d: Pain location-Left arm?	Char	\$JH_YNV	1		-		5101	97.03
						N	No	127	2.42
						Y	Yes	29	0.55
MHXA14E	14e: Pain location-Other?	Char	\$JH_YNV	1		-		5104	97.09
						N	No	123	2.34
						Y	Yes	30	0.57
MHXA14F	14f: Specify other pain locattion	Char	\$	12		-		5230	99.49
						ALL OVER		1	0.02



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MHXA16	16: Saw a doctor because of chest pain?	Char	\$JH_YNV	1		-		5096	96.94
						N	No	58	1.10
						Y	Yes	103	1.96
MHXA17	17: What did the doctor say it was?	Char	\$MHXA17V	1		-		5158	98.12
						A	A. Angina	17	0.32
						D	D. Other Heart Disease	11	0.21
						H	H. Heart attack	8	0.15
						O	O. Other	63	1.20
MHXA18	18: Hospitalized because of chest pain?	Char	\$JH_YNV	1		-		5098	96.98
						N	No	119	2.26
						Y	Yes	40	0.76
MHXA19	19: How long ago did chest pain start?	Char	\$MHXA19V	1		-		5100	97.01
						A	A. 1 month	12	0.23
						B	B. 6 months	16	0.30
						C	C. 1 year	26	0.49
						D	D. 2 years	21	0.40
						E	E. Over 2 years	82	1.56
MHXA20	20: Within past 2 months, chest pain?	Char	\$JH_YNV	1		-		5098	96.98
						N	No	130	2.47
						Y	Yes	29	0.55
MHXA21	21: Occurred At least twice as often as before?	Char	\$JH_YNV	1		-		5227	99.43
						N	No	13	0.25
						Y	Yes	17	0.32
MHXA22	22: More severe pain in past 2 months?	Char	\$JH_YNV	1		-		5099	96.99
						N	No	143	2.72
						Y	Yes	15	0.29

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MHXA23	23: Longer lasting pain in past 2 months?	Char	\$JH_YNV	1		-		5099	96.99	
							N	No	139	2.64
							Y	Yes	19	0.36
MHXA24	24: Use Nitroglycerin to relieve pain?	Char	\$JH_YNV	1		-		5098	96.98	
							N	No	126	2.40
							Y	Yes	33	0.63
MHXA25	25: Needed more nitroglycerin in past 2 months?	Char	\$JH_YNV	1		-		5221	99.32	
							N	No	29	0.55
							Y	Yes	7	0.13
MHXA26	26: Get pain w/less exertion in past 2 months?	Char	\$JH_YNV	1		-		5103	97.07	
							N	No	120	2.28
							Y	Yes	34	0.65
MHXA27	27: In the past 2 months, has the pain required more nitroglycerin	Char	\$JH_YNV	1		-		5094	96.90	
							N	No	112	2.13
							Y	Yes	51	0.97
MHXA28	28: Pain when sleeping in past 2 months,?	Char	\$JH_YNV	1		-		5093	96.88	
							N	No	137	2.61
							Y	Yes	27	0.51
MHXA29	29: Ever had severe pain 1/2 hr + across chest front?	Char	\$JH_YNV	1		-		2840	54.02	
							N	No	2037	38.75
							Y	Yes	380	7.23
MHXA30	30: Saw a doctor because of this pain?	Char	\$JH_YNV	1		-		4864	92.52	
							N	No	86	1.64
							Y	Yes	307	5.84

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MHXA31	31: What did the doctor say it was?	Char	\$MHXA31V	1		-		4952	94.20
						H	Heart Attack	72	1.37
						O	Other disorder	233	4.43
MHXA32	32: Hospitalized for heart attack a week +?	Char	\$JH_YNDV	1		-		8	0.15
						D	Dont know	6	0.11
						N	No	5058	96.21
						Y	Yes	185	3.52
MHXA33	33: How many such heart attacks?	Num		8	1.41847826	1.00-5.00		184	3.50
MHXA34	34: Age when first heart attack.	Num		8	53.5297297	15.00-80.00		185	3.52
MHXA35	35: Had a test to exercise w/ electrocardiogram	Char	\$JH_YNV	1		-		15	0.29
						N	No	3949	75.12
						Y	Yes	1293	24.60
MHXA36	36: Told results (normal or abnormal?)	Char	\$MHXA36V	1		-		3960	75.33
						A	Abnormal	149	2.83
						D	Dont know	250	4.76
						N	Normal	898	17.08
MHXA37	37: Pain in either leg on walking?	Char	\$JH_YNV	1		-		9	0.17
						N	No	3531	67.17
						Y	Yes	1717	32.66
MHXA38	38: Pain when standing still or sitting?	Char	\$JH_YNV	1		-		3539	67.32
						N	No	503	9.57
						Y	Yes	1215	23.11
MHXA39	39: What part of leg do you feel it?	Char	\$MHXA39V	1		-		4760	90.55
						C	C. Pain includes calf/calves	199	3.79

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						N	N. Pain does not include calf/calves	298	5.67
MHXA40	40: Pain when walking uphill or hurry?	Char	\$MHXAR9V	1		-		5056	96.18
						H	H. Never hurries or walks uphill	8	0.15
						N	N. No	68	1.29
						Y	Y. Yes	125	2.38
MHXA41	41: Pain if you walk at ordinary pace?	Char	\$JH_YNV	1		-		5121	97.41
						N	No	84	1.60
						Y	Yes	52	0.99
MHXA42	42: Pain disappear while walking?	Char	\$JH_YNV	1		-		5124	97.47
						N	No	54	1.03
						Y	Yes	79	1.50
MHXA43	43: What do you do if get pain while walking?	Char	\$MHXARAV	1		-		5200	98.92
						C	Carry on	10	0.19
						S	Stop or slow down	47	0.89
MHXA44	44: If you stand still, what happens?	Char	\$MHXARBV	1		-		5210	99.11
						N	Not relieved	9	0.17
						R	Relieved	38	0.72
MHXA45	45: How soon came relief of pain?	Char	\$MHXARCV	1		-		5218	99.26
						L	L. 10 minutes or less	36	0.68
						M	M. More than 10 minutes	3	0.06
MHXA46	46: Hospitalized for problem in legs?	Char	\$JH_YNV	1		-		3236	61.56
						N	No	1783	33.92
						Y	Yes	238	4.53



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MHXA47	47: Ever had to sleep on 2+ pillows to help breathe?	Char	\$JH_YNV	1		-		19	0.36	
							N	No	4225	80.37
							Y	Yes	1013	19.27
MHXA48	48: Ever awakened by trouble breathing?	Char	\$JH_YNV	1		-		21	0.40	
							N	No	4373	83.18
							Y	Yes	863	16.42
MHXA49	49: Ever had swelling of feet or ankles?	Char	\$JH_YNV	1		-		20	0.38	
							N	No	2792	53.11
							Y	Yes	2445	46.51
MHXA50	50: Swelling come during day, go down overnight?	Char	\$JH_YNV	1		-		2824	53.72	
							N	No	442	8.41
							Y	Yes	1991	37.87
MHXA51	51: Ever had surgery on heart, arteries of neck/legs?	Char	\$JH_YNV	1		-		21	0.40	
							N	No	5062	96.29
							Y	Yes	174	3.31
MHXA52A	52a: Have a Coronary bypass?	Char	\$JH_YNV	1		-		5066	96.37	
							N	No	121	2.30
							Y	Yes	70	1.33
MHXA52B1	52b1: Other heart procedure?	Char	\$JH_YNV	1		-		5067	96.39	
							N	No	122	2.32
							Y	Yes	68	1.29
MHXA52B2	52b2: Specify other heart procedures	Char	\$	18		-				
MHXA52C	52c: Have you had carotid endarterectomy?	Char	\$JH_YNV	1		-		5084	96.71	
							N	No	160	3.04

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						Y	Yes	13	0.25
MHXA52D	52d: Site of carotid endarterectomy?	Char	\$MHXA52V	1		-		5244	99.75
						B	Both	2	0.04
						L	Left	7	0.13
						R	Right	4	0.08
MHXA52E1	52e1: Had other revascularization/bypass?	Char	\$JH_YNV	1		-		5079	96.61
						N	No	152	2.89
						Y	Yes	26	0.49
MHXA52E2	52e2: Specify	Char	\$	18		-		5233	99.54
						5 BLOCKAGE HEART		1	0.02
						ABDOMINAL ANEURYSM		1	0.02
						BALLOON ANGIOPLAST		1	0.02
						CAR WREAK AND THE		1	0.02
						CARDIAC CATH		1	0.02
						CATH IN RIGHT LEG.		1	0.02
						CLOGGED ARTERIES		1	0.02
						FEM POP		1	0.02
						FEMORAL		1	0.02
						FEMORAL BYPASS		1	0.02
						LEFT LEG		1	0.02
						LEFT LEGARTERY REP		1	0.02
						OPEN BLOCKED VALVE		1	0.02

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						POPLITAL BY PASS		1	0.02
						QUARD BYBASS		1	0.02
						QUARD BYPASS		1	0.02
						REMOVE FROM LEG RE		1	0.02
						RIGHT LEG		1	0.02
						STENT PLACEMENT		3	0.06
						TRIPLE BYBASS-		1	0.02
						USED LEFT LEG		1	0.02
						VEIN PUT IN CHEST		1	0.02
MHXA52F	52ef: Other surgery on heart, arteries?	Char	\$JH_YNV	1		-		5074	96.52
						N	No	161	3.06
						Y	Yes	22	0.42
MHXA53	53: Ever had balloon angioplasty on arteries?	Char	\$JH_YNV	1		-		45	0.86
						N	No	5121	97.41
						Y	Yes	91	1.73
MHXA54A	54a: Ever had angioplasty of coronary arteries?	Char	\$JH_YNV	1		-		5142	97.81
						N	No	52	0.99
						Y	Yes	63	1.20
MHXA54B	54b: Ever had angioplasty in arteries of neck?	Char	\$JH_YNV	1		-		5144	97.85
						N	No	109	2.07
						Y	Yes	4	0.08
MHXA54C	54c: Ever had angioplasty of lower extremity?	Char	\$JH_YNV	1		-		5144	97.85
						N	No	93	1.77
						Y	Yes	20	0.38

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MHXA55A	55a: Ever had heart catheterization?	Char	\$JH_YNV	1		-		34	0.65
						N	No	4915	93.49
						Y	Yes	308	5.86
MHXA55B	55b: Ever had carotid artery catheterization?	Char	\$JH_YNV	1		-		31	0.59
						N	No	5183	98.59
						Y	Yes	43	0.82
MHXA55C1	55c1: Other arterial catheterization?	Char	\$JH_YNV	1		-		34	0.65
						N	No	5164	98.23
						Y	Yes	59	1.12
MHXA55C2	55c2: Specify other surgery on heart/neck/leg	Char	\$	34		-			
MHXA56A	56a: Ever had echocardiogram?	Char	\$JH_YNV	1		-		28	0.53
						N	No	3702	70.42
						Y	Yes	1527	29.05
MHXA56B	56b: Ever had electrocardiogram?	Char	\$JH_YNV	1		-		23	0.44
						N	No	1899	36.12
						Y	Yes	3335	63.44
MHXA56C	56c: Ever had treadmill or cardiac stress test?	Char	\$JH_YNV	1		-		21	0.40
						N	No	3755	71.43
						Y	Yes	1481	28.17
MHXA56D	56d: Ever had MRI exam of the brain?	Char	\$JH_YNV	1		-		31	0.59
						N	No	4109	78.16
						Y	Yes	1117	21.25
MHXA57	57: Ever been on kidney dialysis or kidney machine?	Char	\$JH_YNV	1		-		21	0.40
						N	No	5209	99.09

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						Y	Yes	27	0.51
MHXA58A	58a: How long on kidney dialysis (months)?	Num		8	3.6875	0.00-10.00		16	0.30
MHXA58B	58b: How long on kidney dialysis (years)?	Num		8	5.52380952	0.00-27.00		21	0.40
MHXA60	60: Method of data collection	Char	\$JH_CPV	1		-		8	0.15
						C	Computer	5137	97.72
						P	Paper	112	2.13
MHXA61	61: Code of person completing form	Char	\$	3		-			