Codebook for jhssleepdata_clean

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
Number of Variables: 995
Organization of file: One Record per Participant (PPTID)

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
PPTID	Jackson Participant ID	Char	$	7					
HASACT	Has actigraphy sleep data	Num	YESNOF	8	0.94	0	0: No	57	6.24
						1	1: Yes	856	93.76
HASPSG	Has In-Home Sleep Apnea Testing data	Num	YESNOF	8	0.93	0	0: No	61	6.68
						1	1: Yes	852	93.32
PSG_DATE	Date of In-Home Sleep Apnea Testing Study	Num	YYMMDD	8	2014-07-26	2012-12-26~ 2016-05-11		852	93.32
RECEIPTDT	Date of In-Home Sleep Apnea Testing Receipt	Num	YYMMDD	8	2014-08-13	2013-01-03~ 2016-05-17		852	93.32
TECHID	Technician ID	Num	TECHNICIAN_ IDF	8	202.28	–	Missing	61	6.68
						201	201: Cora Champion	664	72.73
						203	203: Anju Sebastian	9	0.99
						205	205: Wyvett Walker	1	0.11
						207	207: Jeraline Sims	177	19.39
						209	209: Michelene Brock	1	0.11
UNITID	Unit ID	Num		8	304.47	25.00~311.0 0		852	93.32
PSGQS_RECORDING_DATE	Date of In-Home Sleep Apnea Testing recording	Num	YYMMDD	8	2014-07-26	2012-12-26~ 2016-05-11		852	93.32
PSGQS_SCORER_ID	Scorer ID	Num	SCORER_IDF	8	931.00	–	Missing	63	6.90
						930	930: Juli Ulanski	2	0.22
						931	931: Michelle Nicholson	848	92.88
PSGQS_DATE_SCORED	Date Scored	Num	YYMMDD	8	2014-08-14	2013-01-15~ 2016-05-17		851	93.21
PSGQS_AHI	AHI from QS Form	Num	BEST	8	15.94	0.00~121.20		852	93.32
PSGQS_ANALYSIS_START	Analysis Start	Num	TIME	8	18:13	0:00~23:59		852	93.32
PSGQS_ANALYSIS_STOP	Analysis Stop	Num	TIME	8	6:32	1:22~21:56		852	93.32
PSGQS_TOTAL_RECORDING_ TIME	Total Recording Time	Num	TIME	8	7:33	3:06~11:25		852	93.32
PSGQS_OVERALL	Overall Study Quality	Num	PSG_OVERALL_ QUALITYF	8	5.20	–	Missing	61	6.68

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						2	2: Poor	7	0.77
						3	3: Fair	74	8.11
						4	4: Good	147	16.10
						5	5: Excellent	140	15.33
						6	6: Outstanding	484	53.01
PSGQS_EKG_USABLE_SIGNAL	EKG Usable Signal	Num	BEST	8	6.77	0.00~11.00		852	93.32
PSGQS_EKG_QUALITY	EKG Quality Code	Num	PSG_SIGNAL_ QUALITYF	8	4.77	–	Missing	61	6.68
						1	1: (<25%) of entire estimated sleep time	19	2.08
						2	2: (25-49%) of entire estimated sleep time	4	0.44
						3	3: (50-74%) of entire estimated sleep time	6	0.66
						4	4: (75-94%) of entire estimated sleep time	93	10.19
						5	5: Entire estimated sleep time (>95%)	730	79.96
PSGQS_CANNULA_USABLE	Cannula Flow/Pressure Usable Signal	Num	BEST	8	6.81	0.00~11.00		852	93.32
PSGQS_CANNULA_QUALITY	Cannula Flow/Pressure Quality Code	Num	PSG_SIGNAL_ QUALITYF	8	4.80	–	Missing	61	6.68
						1	1: (<25%) of entire estimated sleep time	5	0.55
						2	2: (25-49%) of entire estimated sleep time	7	0.77
						3	3: (50-74%) of entire estimated sleep time	22	2.41
						4	4: (75-94%) of entire estimated sleep time	84	9.20
						5	5: Entire estimated sleep time (>95%)	734	80.39
PSGQS_THORACIC_USABLE	Thoracic Usable Signal	Num	BEST	8	6.06	0.00~11.00		852	93.32
PSGQS_THORACIC_QUALITY	Thoracic Quality Code	Num	PSG_SIGNAL_ QUALITYF	8	4.37	–	Missing	61	6.68
						1	1: (<25%) of entire estimated sleep time	84	9.20
						2	2: (25-49%) of entire estimated sleep time	26	2.85
						3	3: (50-74%) of entire estimated sleep time	29	3.18

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						4	4: (75-94%) of entire estimated sleep time	68	7.45
						5	5: Entire estimated sleep time (>95%)	645	70.65
PSGQS_ABDOMEN_USABLE	Abdomen Usable Signal	Num	BEST	8	5.90	0.00~11.00		852	93.32
PSGQS_ABDOMEN_QUALITY	Abdomen Quality Code	Num	PSG_SIGNAL_QUALITYF	8	4.31	–	Missing	61	6.68
						1	1: (<25%) of entire estimated sleep time	114	12.49
						2	2: (25-49%) of entire estimated sleep time	18	1.97
						3	3: (50-74%) of entire estimated sleep time	21	2.30
						4	4: (75-94%) of entire estimated sleep time	35	3.83
						5	5: Entire estimated sleep time (>95%)	664	72.73
PSGQS_OXIMETRY_USABLE	Oximetry Usable Signal	Num	BEST	8	7.01	3.00~11.00		852	93.32
PSGQS_OXIMETRY_QUALITY	Oximetry Quality Code	Num	PSG_SIGNAL_QUALITYF	8	4.95	–	Missing	61	6.68
						2	2: (25-49%) of entire estimated sleep time	1	0.11
						3	3: (50-74%) of entire estimated sleep time	6	0.66
						4	4: (75-94%) of entire estimated sleep time	30	3.29
						5	5: Entire estimated sleep time (>95%)	815	89.27
PSGQS_FLOW_LIMITATION	Flow Limitation Code	Num	PSG_FLOW_LIMITATIONF	8	1.06	–	Missing	61	6.68
						1	1: <25% of estimated sleep time	798	87.40
						2	2: 25-49% of estimated sleep time	53	5.81
						3	3: 50-74% of estimated sleep time	1	0.11
PSGQS_SNORING_CODE	Snoring Code	Num	POLYSOMNOGRAPHY_SNORINGF	8	1.14	–	Missing	61	6.68
						1	1: <25% of estimated sleep time	768	84.12
						2	2: 25-49% of estimated sleep time	53	5.81
						3	3: 50-74% of estimated sleep time	25	2.74
						4	4: >75% of estimated sleep time	6	0.66
PSGQS_COMMENTS_B	Comments	Char	$	5000					

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
PSGQS_REASON_URGENT_ AHI50	Abnormal Apnea-hypopnea index (AHI) > 50	Num	YESNOF	8	0.56	–	Missing	840	92.00
						0	0: No	32	3.50
						1	1: Yes	41	4.49
PSGQS_REASON_URGENT_HYPO	Urgent Severe Hypoxemia	Num	YESNOF	8	0.12	–	Missing	840	92.00
						0	0: No	64	7.01
						1	1: Yes	9	0.99
PSGQS_URGENT_HYPO_AB__B	Oxyhemoglobin saturation during sleep of < 85% for greater than 10% of the estimated sleep time	Num	YESNOF	8	0.01	–	Missing	61	6.68
						0	0: No	843	92.33
						1	1: Yes	9	0.99
PSGQS_REASONS_URGENT_ HEART	Urgent Specific heart rate and or/ ECG finding	Num	YESNOF	8	0.12	–	Missing	840	92.00
						0	0: No	64	7.01
						1	1: Yes	9	0.99
PSGQS_URGENT_HEART_ ABCDEF__C	The presence of a sustained wide complex rhythm >= 3 consecutive beats	Num	YESNOF	8	0.00	–	Missing	61	6.68
						0	0: No	848	92.88
						1	1: Yes	4	0.44
PSGQS_URGENT_HEART_ ABCDEF__D	Type 2 second degree atrioventricular block	Num	YESNOF	8	0.00	–	Missing	61	6.68
						0	0: No	850	93.10
						1	1: Yes	2	0.22
PSGQS_URGENT_HEART_ ABCDEF__F	Third degree atrioventricular block	Num	YESNOF	8	0.00	–	Missing	61	6.68
						0	0: No	849	92.99
						1	1: Yes	3	0.33
SCORERID	PSG Report: Scorer ID	Num	F	8	931.00	930.00~931.00		852	93.32
STDATEP	PSG Report: PSG Start Date	Num	YYMMDD	8	2014-07-26	2012-12-26~ 2016-05-11		852	93.32
SCOREDT	PSG Report: Date study scored	Num	YYMMDD	8	2014-08-14	2013-01-15~ 2016-05-17		852	93.32
LIGHTSOFF	Lights out time (hh:mm:ss)	Num	TIME	8	18:13	0:00~23:59		852	93.32

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SLEEPONSET	Sleep onset time (hh:mm:ss)	Num	TIME	8	17:38	0:00~23:59		852	93.32
ONSETLATENCY	Sleep Latency (minutes)	Num	F	8	10.84	0.00~126.00		852	93.32
TIMEINBED	Time in bed (minutes)	Num	F	8	452.95	186.00~685.00		852	93.32
SLEEPTIME	Total Sleep Time (minutes)	Num	F	8	415.80	156.00~647.00		852	93.32
SLPEFFP	Sleep Efficiency (%)	Num	F	8	91.91	39.10~100.00		852	93.32
OAI	Obstructive Apnea Index	Num	F	8	4.26	0.00~75.60		852	93.32
CAI	Central Apnea Index	Num	F	8	0.44	0.00~30.80		852	93.32
STSTARTP	Study start time (hh:mm:ss)	Num	TIME	8	21:38	13:59~23:59		852	93.32
STENDP	Study end time (hh:mm:ss)	Num	TIME	8	9:33	1:24~11:59		852	93.32
STDURM	Study length (epoch 1 to last epoch- minutes)	Num	F	8	714.92	360.50~720.20		852	93.32
LIGHTSON	Lights on set by scorer (hh:mm:ss)	Num	TIME	8	6:32	1:22~21:56		852	93.32
TIMEBEDM	Time in bed (minutes .5)	Num	F	8	452.72	186.00~684.50		852	93.32
SLPLATM	Sleep Latency (minutes .5)	Num	F	8	10.63	0.00~126.00		852	93.32
WASOM	Wake time during sleep period (minutes .5)	Num	F	8	26.20	0.00~324.50		852	93.32
SLPTIMEM	Sleep Time (minutes .5)	Num	F	8	415.54	155.50~647.00		852	93.32
SLPPRDM	Sleep Period (minutes)	Num	F	8	441.80	179.00~679.00		852	93.32
HSLPTAWP	Number of sleep to awake shifts per hour	Num	F	8	0.97	0.00~3.45		852	93.32
BPMAVG	Average Heart rate (bpm)	Num	F	8	69.17	35.00~101.00		852	93.32
BPMMIN	Lowest Heart rate (bpm)	Num	F	8	37.82	12.00~82.00		852	93.32
BPMMAX	Highest Heart rate (bpm)	Num	F	8	108.38	66.00~300.00		852	93.32

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
APNEA3	Number of Apnea events with >= 3% desaturations	Num	F	8	28.98	0.00~524.00		852	93.32
AHIU3	RDI - Apnea/Hypopnea/AASM Hypopneas with >= 3% desaturations	Num	F	8	15.33	0.00~120.20		852	93.32
HNRBP	Number of Hypopnea (Supine, all desaturations)	Num	F	8	58.98	0.00~429.00		852	93.32
RDINBP	Hypopnea per hour (Supine, all desaturations)	Num	F	8	17.85	0.00~120.00		852	93.32
AVHNBP	Avg. Hypopnea length (Supine, all desaturations) (seconds)	Num	F	8	14.94	0.00~40.00		852	93.32
MNHNBP	Min. Hypopnea length (Supine, all desaturations) (seconds)	Num	F	8	9.32	0.00~22.00		852	93.32
MXHNBP	Max. Hypopnea length (Supine, all desaturations) (seconds)	Num	F	8	36.25	0.00~195.00		852	93.32
HNROP	Number of Hypopnea (Non-Supine, all desaturations)	Num	F	8	57.77	0.00~408.00		852	93.32
RDINOP	Hypopnea per hour (Non-Supine, all desaturations)	Num	F	8	15.25	0.00~120.00		852	93.32
AVHNOP	Avg. Hypopnea length (Non-Supine, all desaturations) (seconds)	Num	F	8	14.68	0.00~32.00		852	93.32
MNHNOP	Min. Hypopnea length (Non-Supine, all desaturations) (seconds)	Num	F	8	9.36	0.00~30.00		852	93.32
MXHNOP	Max. Hypopnea length (Non-Supine all desaturations) (seconds)	Num	F	8	35.17	0.00~148.00		852	93.32
CANBP	Number of Central Apnea (Supine, all desaturations)	Num	F	8	2.22	0.00~255.00		852	93.32
CARDNBP	Central Apnea per hour (Supine, all desaturations)	Num	F	8	0.54	0.00~34.80		852	93.32
AVCANBP	Avg. Central Apnea length (Supine, all desaturations) (seconds)	Num	F	8	3.98	0.00~33.00		852	93.32
MNCANBP	Min. Central Apnea length (Supine, all desaturations) (seconds)	Num	F	8	3.35	0.00~28.00		852	93.32
MXCANBP	Max. Central Apnea length (Supine, all desaturations) (seconds)	Num	F	8	4.66	0.00~49.00		852	93.32

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
CANOP	Number of Central Apnea (Non-Supine, all desaturations)	Num	F	8	1.04	0.00~109.00		852	93.32
CARDNOP	Central Apnea per hour (Non-Supine, all desaturations)	Num	F	8	0.25	0.00~14.90		852	93.32
AVCANOP	Avg. Central Apnea length (Non-Supine, all desaturations) (seconds)	Num	F	8	3.05	0.00~23.00		852	93.32
MNCANOP	Min. Central Apnea length (Non-Supine, all desaturations) (seconds)	Num	F	8	2.70	0.00~23.00		852	93.32
MXCANOP	Max. Central Apnea length (Non-Supine all desaturations) (seconds)	Num	F	8	3.45	0.00~42.00		852	93.32
OANBP	Number of Obstructive Apnea (Supine, all desaturations)	Num	F	8	19.49	0.00~463.00		852	93.32
OARDNBP	Obstructive Apnea per hour (Supine, all desaturations)	Num	F	8	5.46	0.00~87.00		852	93.32
AVOANBP	Avg. Obstructive Apnea length (Supine, all desaturations) (seconds)	Num	F	8	12.80	0.00~53.00		852	93.32
MNOANBP	Min. Obstructive Apnea length (Supine, all desaturations) (seconds)	Num	F	8	8.17	0.00~53.00		852	93.32
MXOANBP	Max. Obstructive Apnea length (Supine, all desaturations) (seconds)	Num	F	8	21.33	0.00~144.00		852	93.32
OANOP	Number of Obstructive Apnea (Non-Supine, all desaturations)	Num	F	8	10.65	0.00~369.00		852	93.32
OARDNOP	Obstructive Apnea per hour (Non-Supine, all desaturations)	Num	F	8	2.41	0.00~63.70		852	93.32
AVOANOP	Avg. Obstructive Apnea length (Non-Supine, all desaturations) (seconds)	Num	F	8	9.94	0.00~52.00		852	93.32
MNOANOP	Min. Obstructive Apnea length (Non-Supine, all desaturations) (seconds)	Num	F	8	6.82	0.00~52.00		852	93.32
MXOANOP	Max. Obstructive Apnea length (Non-Supine all desaturations) (seconds)	Num	F	8	15.55	0.00~107.00		852	93.32

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
MXDNBP	Max. desaturations (Supine, all desaturations)	Num	F	8	9.53	2.00~37.00		773	84.67
MXDNOP	Max. desaturations (Non-Supine, all desaturations)	Num	F	8	7.72	2.00~41.00		757	82.91
AVDNBP	Avg. desaturations (Supine, all desaturations)	Num	F	8	3.77	2.00~15.00		773	84.67
AVDNOP	Avg. desaturations (Non-Supine, all desaturations)	Num	F	8	3.26	2.00~28.00		757	82.91
MNDNBP	Min. oxygen saturation (Supine, all desaturations) (%)	Num	F	8	86.43	58.00~98.00		773	84.67
MNDNOP	Min. oxygen saturation (Non-Supine, all desaturations) (%)	Num	F	8	88.18	52.00~98.00		757	82.91
HNRBP2	Number of Hypopnea (Supine, 2% desaturations)	Num	F	8	38.15	0.00~399.00		852	93.32
RDINBP2	Hypopnea per hour (Supine, 2% desaturations)	Num	F	8	11.86	0.00~120.00		852	93.32
AVHNBP2	Avg. Hypopnea length (Supine, 2% desaturations) (seconds)	Num	F	8	15.63	0.00~104.00		852	93.32
MNHNBP2	Min. Hypopnea length (Supine, 2% desaturations) (seconds)	Num	F	8	9.50	0.00~29.00		852	93.32
MXHNBP2	Max. Hypopnea length (Supine, 2% desaturations) (seconds)	Num	F	8	33.88	0.00~195.00		852	93.32
HNROP2	Number of Hypopnea (Non-Supine, 2% desaturations)	Num	F	8	33.87	0.00~290.00		852	93.32
RDINOP2	Hypopnea per hour (Non-Supine, 2% desaturations)	Num	F	8	8.72	0.00~88.30		852	93.32
AVHNOP2	Avg. Hypopnea length (Non-Supine, 2% desaturations) (seconds)	Num	F	8	15.09	0.00~42.00		852	93.32
MNHNOP2	Min. Hypopnea length (Non-Supine, 2% desaturations) (seconds)	Num	F	8	9.46	0.00~39.00		852	93.32
MXHNOP2	Max. Hypopnea length (Non-Supine 2% desaturations) (seconds)	Num	F	8	31.57	0.00~129.00		852	93.32
CANBP2	Number of Central Apnea (Supine, 2% desaturations)	Num	F	8	1.98	0.00~246.00		852	93.32
CARDNBP2	Central Apnea per hour (Supine, 2% desaturations)	Num	F	8	0.48	0.00~34.10		852	93.32

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AVCANBP2	Avg. Central Apnea length (Supine, 2% desaturations) (seconds)	Num	F	8	3.81	0.00~33.00		852	93.32
MNCANBP2	Min. Central Apnea length (Supine, 2% desaturations) (seconds)	Num	F	8	3.22	0.00~28.00		852	93.32
MXCANBP2	Max. Central Apnea length (Supine, 2% desaturations) (seconds)	Num	F	8	4.44	0.00~49.00		852	93.32
CANOP2	Number of Central Apnea (Non-Supine, 2% desaturations)	Num	F	8	0.89	0.00~107.00		852	93.32
CARDNOP2	Central Apnea per hour (Non-Supine, 2% desaturations)	Num	F	8	0.22	0.00~14.60		852	93.32
AVCANOP2	Avg. Central Apnea length (Non-Supine, 2% desaturations) (seconds)	Num	F	8	2.93	0.00~26.00		852	93.32
MNCANOP2	Min. Central Apnea length (Non-Supine, 2% desaturations) (seconds)	Num	F	8	2.64	0.00~26.00		852	93.32
MXCANOP2	Max. Central Apnea length (Non-Supine 2% desaturations) (seconds)	Num	F	8	3.27	0.00~42.00		852	93.32
OANBP2	Number of Obstructive Apnea (Supine, 2% desaturations)	Num	F	8	18.33	0.00~446.00		852	93.32
OARDNBP2	Obstructive Apnea per hour (Supine, 2% desaturations)	Num	F	8	5.13	0.00~86.00		852	93.32
AVOANBP2	Avg. Obstructive Apnea length (Supine, 2% desaturations) (seconds)	Num	F	8	12.68	0.00~54.00		852	93.32
MNOANBP2	Min. Obstructive Apnea length (Supine, 2% desaturations) (seconds)	Num	F	8	8.21	0.00~54.00		852	93.32
MXOANBP2	Max. Obstructive Apnea length (Supine, 2% desaturations) (seconds)	Num	F	8	20.59	0.00~136.00		852	93.32
OANOP2	Number of Obstructive Apnea (Non-Supine, 2% desaturations)	Num	F	8	9.63	0.00~365.00		852	93.32
OARDNOP2	Obstructive Apnea per hour (Non-Supine, 2% desaturations)	Num	F	8	2.18	0.00~56.70		852	93.32

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AVOANOP2	Avg. Obstructive Apnea length (Non-Supine, 2% desaturations) (seconds)	Num	F	8	9.51	0.00~52.00		852	93.32
MNOANOP2	Min. Obstructive Apnea length (Non-Supine, 2% desaturations) (seconds)	Num	F	8	6.52	0.00~52.00		852	93.32
MXOANOP2	Max. Obstructive Apnea length (Non-Supine 2% desaturations) (seconds)	Num	F	8	14.68	0.00~107.00		852	93.32
MXDNBP2	Max. desaturations (Supine, 2% desaturations)	Num	F	8	9.53	2.00~37.00		773	84.67
MXDNOP2	Max. desaturations (Non-Supine, 2% desaturations)	Num	F	8	7.72	2.00~41.00		757	82.91
AVDNBP2	Avg. desaturations (Supine, 2% desaturations)	Num	F	8	3.77	2.00~15.00		773	84.67
AVDNOP2	Avg. desaturations (Non-Supine, 2% desaturations)	Num	F	8	3.27	2.00~28.00		757	82.91
MNDNBP2	Min. oxygen saturation (Supine, 2% desaturations) (%)	Num	F	8	86.43	58.00~98.00		773	84.67
MNDNOP2	Min. oxygen saturation (Non-Supine, 2% desaturations) (%)	Num	F	8	88.18	52.00~98.00		757	82.91
HNRBP3	Number of Hypopnea (Supine, 3% desaturations)	Num	F	8	21.37	0.00~385.00		852	93.32
RDINBP3	Hypopnea per hour (Supine, 3% desaturations)	Num	F	8	6.98	0.00~120.00		852	93.32
AVHNBP3	Avg. Hypopnea length (Supine, 3% desaturations) (seconds)	Num	F	8	16.33	0.00~104.00		852	93.32
MNHNBP3	Min. Hypopnea length (Supine, 3% desaturations) (seconds)	Num	F	8	9.99	0.00~46.00		852	93.32
MXHNBP3	Max. Hypopnea length (Supine, 3% desaturations) (seconds)	Num	F	8	31.60	0.00~195.00		852	93.32
HNROP3	Number of Hypopnea (Non-Supine, 3% desaturations)	Num	F	8	17.89	0.00~135.00		852	93.32
RDINOP3	Hypopnea per hour (Non-Supine, 3% desaturations)	Num	F	8	4.49	0.00~77.20		852	93.32
AVHNOP3	Avg. Hypopnea length (Non-Supine, 3% desaturations) (seconds)	Num	F	8	15.08	0.00~43.00		852	93.32

Codebook for jhssleepdata_clean

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
Number of Variables: 995
Organization of file: One Record per Participant (PPTID)

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
MNHNOP3	Min. Hypopnea length (Non-Supine, 3% desaturations) (seconds)	Num	F	8	9.52	0.00~43.00		852	93.32
MXHNOP3	Max. Hypopnea length (Non-Supine 3% desaturations) (seconds)	Num	F	8	28.64	0.00~129.00		852	93.32
CANBP3	Number of Central Apnea (Supine, 3% desaturations)	Num	F	8	1.76	0.00~243.00		852	93.32
CARDNBP3	Central Apnea per hour (Supine, 3% desaturations)	Num	F	8	0.43	0.00~31.10		852	93.32
AVCANBP3	Avg. Central Apnea length (Supine, 3% desaturations) (seconds)	Num	F	8	3.59	0.00~33.00		852	93.32
MNCANBP3	Min. Central Apnea length (Supine, 3% desaturations) (seconds)	Num	F	8	3.02	0.00~28.00		852	93.32
MXCANBP3	Max. Central Apnea length (Supine, 3% desaturations) (seconds)	Num	F	8	4.16	0.00~49.00		852	93.32
CANOP3	Number of Central Apnea (Non-Supine, 3% desaturations)	Num	F	8	0.76	0.00~100.00		852	93.32
CARDNOP3	Central Apnea per hour (Non-Supine, 3% desaturations)	Num	F	8	0.20	0.00~13.70		852	93.32
AVCANOP3	Avg. Central Apnea length (Non-Supine, 3% desaturations) (seconds)	Num	F	8	2.69	0.00~32.00		852	93.32
MNCANOP3	Min. Central Apnea length (Non-Supine, 3% desaturations) (seconds)	Num	F	8	2.44	0.00~32.00		852	93.32
MXCANOP3	Max. Central Apnea length (Non-Supine 3% desaturations) (seconds)	Num	F	8	2.98	0.00~42.00		852	93.32
OANBP3	Number of Obstructive Apnea (Supine, 3% desaturations)	Num	F	8	17.45	0.00~443.00		852	93.32
OARDNBP3	Obstructive Apnea per hour (Supine, 3% desaturations)	Num	F	8	4.87	0.00~86.00		852	93.32
AVOANBP3	Avg. Obstructive Apnea length (Supine, 3% desaturations) (seconds)	Num	F	8	12.68	0.00~54.00		852	93.32
MNOANBP3	Min. Obstructive Apnea length (Supine, 3% desaturations) (seconds)	Num	F	8	8.32	0.00~54.00		852	93.32

Codebook for jhssleepdata_clean

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Number of Observations: 913
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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
MXOANBP3	Max. Obstructive Apnea length (Supine, 3% desaturations) (seconds)	Num	F	8	20.24	0.00~136.00		852	93.32
OANOP3	Number of Obstructive Apnea (Non-Supine, 3% desaturations)	Num	F	8	9.01	0.00~365.00		852	93.32
OARDNOP3	Obstructive Apnea per hour (Non-Supine, 3% desaturations)	Num	F	8	2.04	0.00~56.70		852	93.32
AVOANOP3	Avg. Obstructive Apnea length (Non-Supine, 3% desaturations) (seconds)	Num	F	8	9.36	0.00~52.00		852	93.32
MNOANOP3	Min. Obstructive Apnea length (Non-Supine, 3% desaturations) (seconds)	Num	F	8	6.42	0.00~52.00		852	93.32
MXOANOP3	Max. Obstructive Apnea length (Non-Supine 3% desaturations) (seconds)	Num	F	8	14.35	0.00~107.00		852	93.32
MXDNBP3	Max. desaturations (Supine, 3% desaturations)	Num	F	8	9.72	3.00~37.00		754	82.58
MXDNOP3	Max. desaturations (Non-Supine, 3% desaturations)	Num	F	8	8.13	3.00~41.00		707	77.44
AVDNBP3	Avg. desaturations (Supine, 3% desaturations)	Num	F	8	4.63	3.00~16.00		754	82.58
AVDNOP3	Avg. desaturations (Non-Supine, 3% desaturations)	Num	F	8	4.17	3.00~28.00		707	77.44
MNDNBP3	Min. oxygen saturation (Supine, 3% desaturations) (%)	Num	F	8	86.27	58.00~97.00		754	82.58
MNDNOP3	Min. oxygen saturation (Non-Supine, 3% desaturations) (%)	Num	F	8	87.74	52.00~97.00		707	77.44
HNRBP4	Number of Hypopnea (Supine, 4% desaturations)	Num	F	8	9.79	0.00~342.00		852	93.32
RDINBP4	Hypopnea per hour (Supine, 4% desaturations)	Num	F	8	3.26	0.00~120.00		852	93.32
AVHNBP4	Avg. Hypopnea length (Supine, 4% desaturations) (seconds)	Num	F	8	16.07	0.00~195.00		852	93.32
MNHNBP4	Min. Hypopnea length (Supine, 4% desaturations) (seconds)	Num	F	8	10.52	0.00~195.00		852	93.32

Codebook for jhssleepdata_clean

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Number of Observations: 913
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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
MXHNBP4	Max. Hypopnea length (Supine, 4% desaturations) (seconds)	Num	F	8	26.74	0.00~195.00		852	93.32
HNROP4	Number of Hypopnea (Non-Supine, 4% desaturations)	Num	F	8	7.85	0.00~89.00		852	93.32
RDINOP4	Hypopnea per hour (Non-Supine, 4% desaturations)	Num	F	8	1.97	0.00~52.40		852	93.32
AVHNOP4	Avg. Hypopnea length (Non-Supine, 4% desaturations) (seconds)	Num	F	8	14.02	0.00~67.00		852	93.32
MNHNOP4	Min. Hypopnea length (Non-Supine, 4% desaturations) (seconds)	Num	F	8	9.23	0.00~62.00		852	93.32
MXHNOP4	Max. Hypopnea length (Non-Supine 4% desaturations) (seconds)	Num	F	8	22.98	0.00~129.00		852	93.32
CANBP4	Number of Central Apnea (Supine, 4% desaturations)	Num	F	8	1.49	0.00~236.00		852	93.32
CARDNBP4	Central Apnea per hour (Supine, 4% desaturations)	Num	F	8	0.36	0.00~28.50		852	93.32
AVCANBP4	Avg. Central Apnea length (Supine, 4% desaturations) (seconds)	Num	F	8	3.06	0.00~34.00		852	93.32
MNCANBP4	Min. Central Apnea length (Supine, 4% desaturations) (seconds)	Num	F	8	2.58	0.00~28.00		852	93.32
MXCANBP4	Max. Central Apnea length (Supine, 4% desaturations) (seconds)	Num	F	8	3.53	0.00~49.00		852	93.32
CANOP4	Number of Central Apnea (Non-Supine, 4% desaturations)	Num	F	8	0.59	0.00~81.00		852	93.32
CARDNOP4	Central Apnea per hour (Non-Supine, 4% desaturations)	Num	F	8	0.16	0.00~11.10		852	93.32
AVCANOP4	Avg. Central Apnea length (Non-Supine, 4% desaturations) (seconds)	Num	F	8	2.24	0.00~31.00		852	93.32
MNCANOP4	Min. Central Apnea length (Non-Supine, 4% desaturations) (seconds)	Num	F	8	2.02	0.00~31.00		852	93.32
MXCANOP4	Max. Central Apnea length (Non-Supine 4% desaturations) (seconds)	Num	F	8	2.47	0.00~42.00		852	93.32
OANBP4	Number of Obstructive Apnea (Supine, 4% desaturations)	Num	F	8	15.82	0.00~432.00		852	93.32

Codebook for jhssleepdata_clean

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Number of Observations: 913
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Organization of file: One Record per Participant (PPTID)

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
OARDNBP4	Obstructive Apnea per hour (Supine, 4% desaturations)	Num	F	8	4.44	0.00~85.50		852	93.32
AVOANBP4	Avg. Obstructive Apnea length (Supine, 4% desaturations) (seconds)	Num	F	8	12.61	0.00~54.00		852	93.32
MNOANBP4	Min. Obstructive Apnea length (Supine, 4% desaturations) (seconds)	Num	F	8	8.40	0.00~54.00		852	93.32
MXOANBP4	Max. Obstructive Apnea length (Supine, 4% desaturations) (seconds)	Num	F	8	19.76	0.00~136.00		852	93.32
OANOP4	Number of Obstructive Apnea (Non-Supine, 4% desaturations)	Num	F	8	8.01	0.00~365.00		852	93.32
OARDNOP4	Obstructive Apnea per hour (Non-Supine, 4% desaturations)	Num	F	8	1.80	0.00~56.70		852	93.32
AVOANOP4	Avg. Obstructive Apnea length (Non-Supine, 4% desaturations) (seconds)	Num	F	8	9.21	0.00~52.00		852	93.32
MNOANOP4	Min. Obstructive Apnea length (Non-Supine, 4% desaturations) (seconds)	Num	F	8	6.35	0.00~52.00		852	93.32
MXOANOP4	Max. Obstructive Apnea length (Non-Supine 4% desaturations) (seconds)	Num	F	8	13.84	0.00~107.00		852	93.32
MXDNBP4	Max. desaturations (Supine, 4% desaturations)	Num	F	8	10.23	4.00~37.00		701	76.78
MXDNOP4	Max. desaturations (Non-Supine, 4% desaturations)	Num	F	8	8.85	4.00~41.00		620	67.91
AVDNBP4	Avg. desaturations (Supine, 4% desaturations)	Num	F	8	5.76	4.00~17.00		701	76.78
AVDNOP4	Avg. desaturations (Non-Supine, 4% desaturations)	Num	F	8	5.39	4.00~28.00		620	67.91
MNDNBP4	Min. oxygen saturation (Supine, 4% desaturations) (%)	Num	F	8	85.82	58.00~96.00		701	76.78
MNDNOP4	Min. oxygen saturation (Non-Supine, 4% desaturations) (%)	Num	F	8	87.07	52.00~96.00		620	67.91
HNRBP5	Number of Hypopnea (Supine, 5% desaturations)	Num	F	8	4.43	0.00~286.00		852	93.32

Codebook for jhssleepdata_clean

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Number of Observations: 913
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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
RDINBP5	Hypopnea per hour (Supine, 5% desaturations)	Num	F	8	1.41	0.00~36.50		852	93.32
AVHNBP5	Avg. Hypopnea length (Supine, 5% desaturations) (seconds)	Num	F	8	13.98	0.00~195.00		852	93.32
MNHNBP5	Min. Hypopnea length (Supine, 5% desaturations) (seconds)	Num	F	8	10.13	0.00~195.00		852	93.32
MXHNBP5	Max. Hypopnea length (Supine, 5% desaturations) (seconds)	Num	F	8	20.48	0.00~195.00		852	93.32
HNROP5	Number of Hypopnea (Non-Supine, 5% desaturations)	Num	F	8	3.51	0.00~61.00		852	93.32
RDINOP5	Hypopnea per hour (Non-Supine, 5% desaturations)	Num	F	8	0.88	0.00~35.90		852	93.32
AVHNOP5	Avg. Hypopnea length (Non-Supine, 5% desaturations) (seconds)	Num	F	8	11.59	0.00~94.00		852	93.32
MNHNOP5	Min. Hypopnea length (Non-Supine, 5% desaturations) (seconds)	Num	F	8	8.24	0.00~94.00		852	93.32
MXHNOP5	Max. Hypopnea length (Non-Supine 5% desaturations) (seconds)	Num	F	8	16.88	0.00~129.00		852	93.32
CANBP5	Number of Central Apnea (Supine, 5% desaturations)	Num	F	8	1.20	0.00~218.00		852	93.32
CARDNBP5	Central Apnea per hour (Supine, 5% desaturations)	Num	F	8	0.29	0.00~26.40		852	93.32
AVCANBP5	Avg. Central Apnea length (Supine, 5% desaturations) (seconds)	Num	F	8	2.64	0.00~34.00		852	93.32
MNCANBP5	Min. Central Apnea length (Supine, 5% desaturations) (seconds)	Num	F	8	2.24	0.00~32.00		852	93.32
MXCANBP5	Max. Central Apnea length (Supine, 5% desaturations) (seconds)	Num	F	8	3.02	0.00~49.00		852	93.32
CANOP5	Number of Central Apnea (Non-Supine, 5% desaturations)	Num	F	8	0.40	0.00~30.00		852	93.32
CARDNOP5	Central Apnea per hour (Non-Supine, 5% desaturations)	Num	F	8	0.12	0.00~9.23		852	93.32
AVCANOP5	Avg. Central Apnea length (Non-Supine, 5% desaturations) (seconds)	Num	F	8	1.96	0.00~31.00		852	93.32

Codebook for jhssleepdata_clean

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
Number of Variables: 995
Organization of file: One Record per Participant (PPTID)

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
MNCANOP5	Min. Central Apnea length (Non-Supine, 5% desaturations) (seconds)	Num	F	8	1.80	0.00~31.00		852	93.32
MXCANOP5	Max. Central Apnea length (Non-Supine 5% desaturations) (seconds)	Num	F	8	2.13	0.00~42.00		852	93.32
OANBP5	Number of Obstructive Apnea (Supine, 5% desaturations)	Num	F	8	13.83	0.00~422.00		852	93.32
OARDNBP5	Obstructive Apnea per hour (Supine, 5% desaturations)	Num	F	8	3.91	0.00~83.40		852	93.32
AVOANBP5	Avg. Obstructive Apnea length (Supine, 5% desaturations) (seconds)	Num	F	8	12.36	0.00~54.00		852	93.32
MNOANBP5	Min. Obstructive Apnea length (Supine, 5% desaturations) (seconds)	Num	F	8	8.32	0.00~53.00		852	93.32
MXOANBP5	Max. Obstructive Apnea length (Supine, 5% desaturations) (seconds)	Num	F	8	18.93	0.00~136.00		852	93.32
OANOP5	Number of Obstructive Apnea (Non-Supine, 5% desaturations)	Num	F	8	6.94	0.00~364.00		852	93.32
OARDNOP5	Obstructive Apnea per hour (Non-Supine, 5% desaturations)	Num	F	8	1.54	0.00~56.70		852	93.32
AVOANOP5	Avg. Obstructive Apnea length (Non-Supine, 5% desaturations) (seconds)	Num	F	8	9.19	0.00~81.00		852	93.32
MNOANOP5	Min. Obstructive Apnea length (Non-Supine, 5% desaturations) (seconds)	Num	F	8	6.55	0.00~81.00		852	93.32
MXOANOP5	Max. Obstructive Apnea length (Non-Supine 5% desaturations) (seconds)	Num	F	8	13.29	0.00~107.00		852	93.32
MXDNBP5	Max. desaturations (Supine, 5% desaturations)	Num	F	8	11.05	5.00~37.00		620	67.91
MXDNOP5	Max. desaturations (Non-Supine, 5% desaturations)	Num	F	8	9.79	5.00~41.00		519	56.85
AVDNBP5	Avg. desaturations (Supine, 5% desaturations)	Num	F	8	6.97	5.00~17.00		620	67.91

Codebook for jhssleepdata_clean

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
AVDNOP5	Avg. desaturations (Non-Supine, 5% desaturations)	Num	F	8	6.65	5.00~29.00		519	56.85
MNDNBP5	Min. oxygen saturation (Supine, 5% desaturations) (%)	Num	F	8	85.02	58.00~94.00		620	67.91
MNDNOP5	Min. oxygen saturation (Non-Supine, 5% desaturations) (%)	Num	F	8	86.22	52.00~95.00		519	56.85
SAVBNBH	Avg. Heart Rate (Supine, all desaturations) (bpm)	Num	F	8	69.35	32.00~103.00		802	87.84
SMNBNBH	Min. Heart Rate (Supine, all desaturations) (bpm)	Num	F	8	41.28	12.00~96.00		802	87.84
SMXBNBH	Max. Heart Rate (Supine, all desaturations) (bpm)	Num	F	8	105.28	38.00~222.00		802	87.84
SAVBNOH	Avg. Heart Rate (Non-Supine, all desaturations) (bpm)	Num	F	8	68.97	31.00~100.00		807	88.39
SMNBNOH	Min. Heart Rate (Non-Supine, all desaturations) (bpm)	Num	F	8	40.76	12.00~82.00		807	88.39
SMXBNOH	Max. Heart Rate (Non-Supine, all desaturations) (bpm)	Num	F	8	105.47	57.00~300.00		807	88.39
HAVBNBH	Avg. Heart Rate (Supine, 3% desaturations) (bpm)	Num	F	8	67.98	24.00~103.00		750	82.15
HMNBNBH	Min. Heart Rate (Supine, 3% desaturations) (bpm)	Num	F	8	51.41	12.00~97.00		750	82.15
HMXBNBH	Max. Heart Rate (Supine, 3% desaturations) (bpm)	Num	F	8	89.78	47.00~222.00		750	82.15
HAVBNOH	Avg. Heart Rate (Non-Supine, 3% desaturations) (bpm)	Num	F	8	67.87	23.00~105.00		705	77.22
HMNBNOH	Min. Heart Rate (Non-Supine, 3% desaturations) (bpm)	Num	F	8	51.79	12.00~98.00		705	77.22
HMXBNOH	Max. Heart Rate (Non-Supine, 3% desaturations) (bpm)	Num	F	8	88.17	43.00~222.00		705	77.22
NDES2PH	Number of desaturations with >= 2% desaturations	Num	F	8	257.79	6.00~934.00		852	93.32
NDES3PH	Number of desaturations with >= 3% desaturations	Num	F	8	143.94	0.00~964.00		852	93.32

Codebook for jhssleepdata_clean

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
NDES4PH	Number of desaturations with >= 4% desaturations	Num	F	8	84.64	0.00~969.00		852	93.32
NDES5PH	Number of desaturations with >= 5% desaturations	Num	F	8	54.00	0.00~882.00		852	93.32
PCTSA95H	% sleep time oxygen saturation is < 95%	Num	F	8	38.67	0.00~100.00		852	93.32
PSLEEPLT90	% sleep time oxygen saturation is < 90%	Num	F	8	2.78	0.00~94.70		852	93.32
PSLEEPLT85	% sleep time oxygen saturation is < 85%	Num	F	8	0.61	0.00~62.20		852	93.32
PSLEEPLT80	% sleep time oxygen saturation is < 80%	Num	F	8	0.22	0.00~52.30		852	93.32
PSLEEPLT75	% sleep time oxygen saturation is < 75%	Num	F	8	0.09	0.00~41.10		852	93.32
PCTSA70H	% sleep time oxygen saturation is < 70%	Num	F	8	0.04	0.00~27.00		852	93.32
AVGSATURATION	Avg. oxygen saturation during NREM sleep	Num	F	8	94.84	79.00~99.00		852	93.32
MINSATURATION	Min. oxygen saturation during NREM sleep	Num	F	8	84.50	52.00~98.00		852	93.32
MXSAO2NH	Max. oxygen saturation during NREM sleep	Num	F	8	98.97	94.00~100.00		852	93.32
NREMEPBP	Sleep Time (Supine) (minutes)	Num	F	8	198.85	0.00~612.00		852	93.32
NREMEPOP	Sleep Time (Non-Supine) (minutes)	Num	F	8	217.18	0.00~607.00		852	93.32
LONGAP	Longest Apnea (seconds)	Num	F	8	34.80	10.00~144.00		706	77.33
CAVGDUR	Avg. Central Apnea Length (seconds)	Num	F	8	5.56	0.00~33.80		852	93.32
OAVGDUR	Avg. Obstructive Apnea Length (seconds)	Num	F	8	16.21	0.00~53.50		852	93.32
APAVGDUR	Avg. Apnea Length (seconds)	Num	F	8	16.55	0.00~53.50		852	93.32
CTDUR	Total Central Apnea Length (minutes)	Num	F	8	0.93	0.00~88.20		852	93.32
OTDUR	Total Obstructive Apnea Length (minutes)	Num	F	8	12.17	0.00~275.10		852	93.32

Codebook for jhssleepdata_clean

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
Number of Variables: 995
Organization of file: One Record per Participant (PPTID)

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
APTDUR	Total Mixed Apnea Length (minutes)	Num	F	8	13.09	0.00~304.10		852	93.32
HTDUR	Total Hypopnea Length (minutes)	Num	F	8	32.59	0.00~106.30		852	93.32
CNTDUR	Total Central Apnea Length (minutes)	Num	F	8	0.93	0.00~88.20		852	93.32
ONTDUR	Total Obstructive Apnea Length (minutes)	Num	F	8	12.17	0.00~275.10		852	93.32
APNTDUR	Total Apnea Length (minutes)	Num	F	8	13.09	0.00~304.10		852	93.32
HNTDUR	Total Hypopnea Length (minutes)	Num	F	8	32.58	0.00~106.10		852	93.32
AHNTDUR	Total Apnea and Hypopnea Length (minutes)	Num	F	8	45.68	0.00~309.70		852	93.32
CNTDURBP	Total Central Apnea Length (Supine) (minutes)	Num	F	8	0.67	0.00~88.20		852	93.32
ONTDURBP	Total Obstructive Apnea Length (Supine) (minutes)	Num	F	8	7.95	0.00~215.10		852	93.32
APNTDURBP	Total Apnea Length (Supine) (minutes)	Num	F	8	8.62	0.00~215.60		852	93.32
HNTDURBP	Total Hypopnea Length (Supine) (minutes)	Num	F	8	16.54	0.00~106.10		852	93.32
AHNTDURBP	Total Apnea and Hypopnea Length (Supine) (minutes)	Num	F	8	25.16	0.00~222.90		852	93.32
CNTDUROP	Total Central Apnea Length (Non-Supine) (minutes)	Num	F	8	0.26	0.00~27.60		852	93.32
ONTDUROP	Total Obstructive Apnea Length (Non-Supine) (minutes)	Num	F	8	4.21	0.00~208.80		852	93.32
HNTDUROP	Total Hypopnea Length (Non-Supine) (minutes)	Num	F	8	16.04	0.00~99.30		852	93.32
AHNTDUROP	Total Apnea and Hypopnea Length (Non-Supine) (minutes)	Num	F	8	20.52	0.00~225.10		852	93.32
AVGSAOMINRPT	Avg. oxygen saturation minimum (Report time) (%)	Num	F	8	93.66	70.00~99.00		852	93.32
AVGSAOMINSLP	Avg. oxygen saturation minimum (Sleep time) (%)	Num	F	8	93.91	68.00~99.00		852	93.32

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Codebook for jhssleepdata_clean

DATA SET: jhssleepdata    LABEL:     DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
Number of Variables: 995
Organization of file: One Record per Participant (PPTID)
```

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
LOWSAOSLP	Min. oxygen saturation (Sleep time) (%)	Num	F	8	84.50	52.00~98.00		852	93.32
AVGDSSLP	Avg. desaturations (Report Time)	Num	F	8	3.33	2.00~26.00		852	93.32
AVGDSEVENT	Avg. desaturations (assoc. w/ manually scored resp. events)	Num	F	8	3.74	0.00~26.00		852	93.32
MXHRAHSLP	Max. Heart Rate assoc. w/ Apnea and Hypopnea (Sleep time onset)	Num	F	8	118.26	61.00~500.00		851	93.21
MNHRAHSLP	Min. Heart Rate assoc. w/ Apnea and Hypopnea (Sleep time onset)	Num	F	8	40.53	12.00~88.00		851	93.21
AVGHRAHSLP	Avg. Heart Rate assoc. w/ Apnea and Hypopnea (Sleep time onset)	Num	F	8	67.25	0.00~104.00		852	93.32
DSNR2	Number of desaturations per hour (>= 2%)	Num	F	8	32.57	0.70~131.10		852	93.32
DSNR3	Number of desaturations per hour (>= 3%)	Num	F	8	18.57	0.00~125.40		852	93.32
DSNR4	Number of desaturations per hour (>= 4%)	Num	F	8	11.14	0.00~116.90		852	93.32
DSNR5	Number of desaturations per hour (>= 5%)	Num	F	8	7.27	0.00~108.40		852	93.32
DSSAO90	Number of desaturations with oxygen saturation drops below 90% in sleep	Num	F	8	35.55	0.00~922.00		852	93.32
AVGDSRESP	Avg. desaturations assoc. w/ resp. events in sleep	Num	F	8	3.74	0.00~26.00		852	93.32
SAO92SLP	Total time oxygen saturation > 92 in sleep (minutes)	Num	F	8	380.90	2.50~634.90		852	93.32
SAO92AWK	Total time oxygen saturation > 92 in awake (minutes)	Num	F	8	30.56	0.00~220.80		852	93.32
SAO90AWK	Total time oxygen saturation < 90 in awake (minutes)	Num	F	8	0.30	0.00~39.50		852	93.32
SAONDOASLP	Avg. oxygen saturation Nadir assoc. w/ Obstructive Apnea (Sleep)	Num	F	8	89.69	65.00~98.00		644	70.54
SAONDCASLP	Avg. oxygen saturation Nadir assoc. w/ Central Apnea (Sleep)	Num	F	8	92.21	73.00~98.00		309	33.84
SAONDNREM	Avg. oxygen saturation Nadir	Num	F	8	93.17	79.00~98.00		846	92.66

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Codebook for jhssleepdata_clean

DATA SET: jhssleepdata      LABEL:      DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
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Organization of file: One Record per Participant (PPTID)
```

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
MINSAONDOASLP	Min. oxygen saturation Nadir assoc. w/ Obstructive Apnea (Sleep)	Num	F	8	84.42	52.00~98.00		644	70.54
MINSAONDCASLP	Min. oxygen saturation Nadir assoc. w/ Central Apnea (Sleep)	Num	F	8	90.67	52.00~98.00		309	33.84
MINSAONDNREM	Min. oxygen saturation Nadir	Num	F	8	88.87	65.00~98.00		846	92.66
UNRBP	Number of AASM Hypopnea (Supine, all desaturations)	Num	F	8	31.92	0.00~424.00		852	93.32
HUNRBP	Number of AASM Hypopnea per hour (Supine, all desaturations)	Num	F	8	9.31	0.00~80.00		852	93.32
AVUNRBP	Avg. AASM Hypopnea length (Supine, all desaturations) (seconds)	Num	F	8	14.88	0.00~39.00		852	93.32
SUNRBP	Min. AASM Hypopnea length (Supine, all desaturations) (seconds)	Num	F	8	9.38	0.00~30.00		852	93.32
LUNRBP	Max. AASM Hypopnea length (Supine, all desaturations) (seconds)	Num	F	8	29.82	0.00~210.00		852	93.32
UNROP	Number of AASM Hypopnea (Non-Supine, all desaturations)	Num	F	8	24.96	0.00~422.00		852	93.32
HUNROP	Number of AASM Hypopnea per hour (Non-Supine, all desaturations)	Num	F	8	6.18	0.00~65.60		852	93.32
AVUNROP	Avg. AASM Hypopnea length (Non-Supine, all desaturations) (seconds)	Num	F	8	14.06	0.00~57.00		852	93.32
SUNROP	Min. AASM Hypopnea length (Non-Supine, all desaturations) (seconds)	Num	F	8	9.04	0.00~41.00		852	93.32
LUNROP	Max. AASM Hypopnea length (Non-Supine, all desaturations) (seconds)	Num	F	8	27.86	0.00~112.00		852	93.32
UNRBP2	Number of AASM Hypopnea (Supine, 2% desaturations)	Num	F	8	27.28	0.00~413.00		852	93.32
HUNRBP2	Number of AASM Hypopnea per hour (Supine, 2% desaturations)	Num	F	8	8.03	0.00~80.00		852	93.32
AVUNRBP2	Avg. AASM Hypopnea length (Supine, 2% desaturations) (seconds)	Num	F	8	15.02	0.00~40.00		852	93.32
SUNRBP2	Min. AASM Hypopnea length (Supine, 2% desaturations) (seconds)	Num	F	8	9.53	0.00~40.00		852	93.32

Codebook for jhssleepdata_clean

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
Number of Variables: 995
Organization of file: One Record per Participant (PPTID)

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
LUNRBP2	Max. AASM Hypopnea length (Supine, 2% desaturations) (seconds)	Num	F	8	28.74	0.00~210.00		852	93.32
UNROP2	Number of AASM Hypopnea (Non-Supine, 2% desaturations)	Num	F	8	20.55	0.00~407.00		852	93.32
HUNROP2	Number of AASM Hypopnea per hour (Non-Supine, 2% desaturations)	Num	F	8	5.07	0.00~63.30		852	93.32
AVUNROP2	Avg. AASM Hypopnea length (Non-Supine, 2% desaturations) (seconds)	Num	F	8	14.04	0.00~50.00		852	93.32
SUNROP2	Min. AASM Hypopnea length (Non-Supine, 2% desaturations) (seconds)	Num	F	8	9.16	0.00~50.00		852	93.32
LUNROP2	Max. AASM Hypopnea length (Non-Supine, 2% desaturations) (seconds)	Num	F	8	26.20	0.00~106.00		852	93.32
UNRBP3	Number of AASM Hypopnea (Supine, 3% desaturations)	Num	F	8	21.94	0.00~370.00		852	93.32
HUNRBP3	Number of AASM Hypopnea per hour (Supine, 3% desaturations)	Num	F	8	6.52	0.00~80.00		852	93.32
AVUNRBP3	Avg. AASM Hypopnea length (Supine, 3% desaturations) (seconds)	Num	F	8	15.21	0.00~42.00		852	93.32
SUNRBP3	Min. AASM Hypopnea length (Supine, 3% desaturations) (seconds)	Num	F	8	9.73	0.00~42.00		852	93.32
LUNRBP3	Max. AASM Hypopnea length (Supine, 3% desaturations) (seconds)	Num	F	8	27.74	0.00~210.00		852	93.32
UNROP3	Number of AASM Hypopnea (Non-Supine, 3% desaturations)	Num	F	8	16.18	0.00~394.00		852	93.32
HUNROP3	Number of AASM Hypopnea per hour (Non-Supine, 3% desaturations)	Num	F	8	3.94	0.00~61.20		852	93.32
AVUNROP3	Avg. AASM Hypopnea length (Non-Supine, 3% desaturations) (seconds)	Num	F	8	13.92	0.00~59.00		852	93.32
SUNROP3	Min. AASM Hypopnea length (Non-Supine, 3% desaturations) (seconds)	Num	F	8	9.13	0.00~57.00		852	93.32
LUNROP3	Max. AASM Hypopnea length (Non-Supine, 3% desaturations) (seconds)	Num	F	8	24.83	0.00~106.00		852	93.32

Codebook for jhssleepdata_clean

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
Number of Variables: 995
Organization of file: One Record per Participant (PPTID)

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
UNRBP4	Number of AASM Hypopnea (Supine, 4% desaturations)	Num	F	8	15.51	0.00~278.00		852	93.32
HUNRBP4	Number of AASM Hypopnea per hour (Supine, 4% desaturations)	Num	F	8	4.69	0.00~80.00		852	93.32
AVUNRBP4	Avg. AASM Hypopnea length (Supine, 4% desaturations) (seconds)	Num	F	8	15.10	0.00~48.00		852	93.32
SUNRBP4	Min. AASM Hypopnea length (Supine, 4% desaturations) (seconds)	Num	F	8	9.85	0.00~42.00		852	93.32
LUNRBP4	Max. AASM Hypopnea length (Supine, 4% desaturations) (seconds)	Num	F	8	25.85	0.00~210.00		852	93.32
UNROP4	Number of AASM Hypopnea (Non-Supine, 4% desaturations)	Num	F	8	11.19	0.00~362.00		852	93.32
HUNROP4	Number of AASM Hypopnea per hour (Non-Supine, 4% desaturations)	Num	F	8	2.72	0.00~56.30		852	93.32
AVUNROP4	Avg. AASM Hypopnea length (Non-Supine, 4% desaturations) (seconds)	Num	F	8	13.29	0.00~59.00		852	93.32
SUNROP4	Min. AASM Hypopnea length (Non-Supine, 4% desaturations) (seconds)	Num	F	8	9.05	0.00~57.00		852	93.32
LUNROP4	Max. AASM Hypopnea length (Non-Supine, 4% desaturations) (seconds)	Num	F	8	22.22	0.00~106.00		852	93.32
UNRBP5	Number of AASM Hypopnea (Supine, 5% desaturations)	Num	F	8	10.26	0.00~200.00		852	93.32
HUNRBP5	Number of AASM Hypopnea per hour (Supine, 5% desaturations)	Num	F	8	3.17	0.00~80.00		852	93.32
AVUNRBP5	Avg. AASM Hypopnea length (Supine, 5% desaturations) (seconds)	Num	F	8	14.80	0.00~62.00		852	93.32
SUNRBP5	Min. AASM Hypopnea length (Supine, 5% desaturations) (seconds)	Num	F	8	10.08	0.00~49.00		852	93.32
LUNRBP5	Max. AASM Hypopnea length (Supine, 5% desaturations) (seconds)	Num	F	8	23.55	0.00~210.00		852	93.32
UNROP5	Number of AASM Hypopnea (Non-Supine, 5% desaturations)	Num	F	8	7.27	0.00~297.00		852	93.32
HUNROP5	Number of AASM Hypopnea per hour (Non-Supine, 5% desaturations)	Num	F	8	1.71	0.00~46.20		852	93.32

Codebook for jhssleepdata_clean

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
Number of Variables: 995
Organization of file: One Record per Participant (PPTID)

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
AVUNROP5	Avg. AASM Hypopnea length (Non-Supine, 5% desaturations) (seconds)	Num	F	8	12.37	0.00~78.00		852	93.32
SUNROP5	Min. AASM Hypopnea length (Non-Supine, 5% desaturations) (seconds)	Num	F	8	8.70	0.00~78.00		852	93.32
LUNROP5	Max. AASM Hypopnea length (Non-Supine, 5% desaturations) (seconds)	Num	F	8	19.16	0.00~106.00		852	93.32
HYPI	Hypopnea Index (Number of hypopnea per hr of sleep)	Num	F	8	16.85	0.00~52.70		852	93.32
HYPAI	50% Hypopnea Index (Number of Unsure per hour of sleep)	Num	F	8	8.21	0.00~65.60		852	93.32
DESATI3	3% desaturations Index (Number of desaturations >= 3% per hour-Sleep)	Num	F	8	18.57	0.00~125.40		852	93.32
DESATI4	4% desaturations Index (Number of desaturations >= 4% per hour-Sleep)	Num	F	8	11.14	0.00~116.90		852	93.32
NDESAT3	Number of desaturations >= 3% in Sleep Time	Num	F	8	127.40	0.00~820.00		852	93.32
NDESAT4	Number of desaturations >= 4% in Sleep Time	Num	F	8	77.11	0.00~937.00		852	93.32
NSOUND	Number of sound events	Num	F	8	446.26	0.00~5243.00		852	93.32
SOUNDI	Number of sound events per hour (Sleep)	Num	F	8	65.03	0.00~884.90		852	93.32
WASO	Wake time during sleep period (minutes)	Num	F	8	26.31	0.00~324.00		852	93.32
OAI_O0	Obstructive Apnea Index (OAI) - number of [obstructive apneas] per hour of sleep	Num	F	8	4.26	0.00~75.48		852	93.32
OAI_O4	Obstructive Apnea Index (OAI) >= 4% - number of [obstructive apneas] per hour of sleep	Num	F	8	3.38	0.00~70.70		852	93.32
CAI_C0	Central Apnea Index (CAI) - number of [central apneas] per hour of sleep	Num	F	8	0.44	0.00~30.72		852	93.32
CAI_C4	Central Apnea Index (CAI) >= 4% - number of [central apneas] per hour of sleep	Num	F	8	0.28	0.00~28.43		852	93.32

Codebook for jhssleepdata_clean

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
Number of Variables: 995
Organization of file: One Record per Participant (PPTID)

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
AHI_A0H4	Apnea-Hypopnea Index (AHI) >= 4% - number of [all apneas] and [hypopneas with >= 4% oxygen desaturations] per hour of sleep	Num	F	8	11.15	0.00~115.02		852	93.32
SLEEPEFFICIENCY	Sleep efficiency (%)	Num	F	8	91.92	39.24~100.00		852	93.32
MAINTEFFICIENCY	Sleep maintenance efficiency (%)	Num	F	8	94.14	41.09~100.22		852	93.32
CENT_OBS_RATIO	The ratio of number of all central apneas to the number of all obstructive apneas	Num	F	8	0.26	0.00~11.00		661	72.40
AHI_A0H3	Apnea-Hypopnea Index (AHI) >= 3% - number of [all apneas] and [hypopneas with >= 3% oxygen desaturations] per hour of sleep	Num	F	8	15.93	0.00~121.00		852	93.32
AHI_O0H3	Apnea-Hypopnea Index (AHI) >= 3% - number of [obstructive apneas] and [hypopneas with >= 3% oxygen desaturations] per hour of sleep	Num	F	8	15.49	0.00~120.87		852	93.32
AHI_O0H4	Apnea-Hypopnea Index (AHI) >= 4% - number of [obstructive apneas] and [hypopneas with >= 4% oxygen desaturations] per hour of sleep	Num	F	8	10.71	0.00~114.90		852	93.32
AHI_C0H3	Apnea-Hypopnea Index (AHI) >= 3% - number of [central apneas] and [hypopneas with >= 3% oxygen desaturations] per hour of sleep	Num	F	8	11.67	0.00~80.52		852	93.32
AHI_C0H4	Apnea-Hypopnea Index (AHI) >= 4% - number of [central apneas] and [hypopneas with >= 4% oxygen desaturations] per hour of sleep	Num	F	8	6.89	0.00~70.26		852	93.32
OAI_O3	Obstructive Apnea Index (OAI) >= 3% - number of [obstructive apneas] per hour of sleep	Num	F	8	3.75	0.00~71.27		852	93.32
CAI_C3	Central Apnea Index (CAI) >= 3% - number of [central apneas] per hour of sleep	Num	F	8	0.34	0.00~29.28		852	93.32
PERCENT_SLP_APNEAS	Percentage of sleep time in central and obstructive apnea	Num	F	8	3.01	0.00~67.25		852	93.32
PERCENT_SLP_HYPOPNEAS	Percentage of sleep time in hypopnea	Num	F	8	11.70	0.03~37.36		852	93.32

Codebook for jhssleepdata_clean

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
PERCENT_SLP_APNEAS_ HYPOPNEAS3	Percentage of sleep time in central and obstructive apneas with >= 3% oxygen desaturation or hypopneas with >= 3% oxygen desaturation	Num	F	8	8.47	0.00~66.43		852	93.32
LONGEST_HYPOPNEAS	Longest hypopnea	Num	F	8	51.52	10.00~210.00		852	93.32
AVG_HYPOPNEAS_LENGTH	Average hypopnea length	Num	F	8	16.69	10.00~29.78		852	93.32
NMAINSLEEP	Number of main sleep intervals (all days)	Num		8	6.95	1.00~16.00		856	93.76
NMAINSLEEP_WE	Number of weekday day main sleep intervals	Num		8	4.96	1.00~12.00		855	93.65
NMAINSLEEP_WD	Number of weekend day main sleep intervals	Num		8	2.01	1.00~4.00		852	93.32
AVGINBEDDURATION	Average in-bed duration per main sleep (all days) (minutes)	Num		8	460.89	100.00~762.00		856	93.76
AVGINBEDDURATION_WE	Average in-bed duration per main sleep (on weekdays) (minutes)	Num		8	456.11	55.00~758.00		855	93.65
AVGINBEDDURATION_WD	Average in-bed duration per main sleep (on weekend) (minutes)	Num		8	473.30	190.00~820.00		852	93.32
STDINBEDDURATION	Standard deviation of in-bed duration per main sleep (all days) (minutes)	Num		8	82.64	6.00~293.00		853	93.43
STDINBEDDURATION_WE	Standard deviation of in-bed duration per main sleep (on weekdays) (minutes)	Num		8	75.13	3.00~337.00		852	93.32
STDINBEDDURATION_WD	Standard deviation of in-bed duration per main sleep (on weekend) (minutes)	Num		8	74.73	0.00~461.00		825	90.36
AVGSLEEPTIME	Average time spent asleep per main sleep (all days) (minutes)	Num		8	400.27	82.00~704.00		856	93.76
AVGSLEEPTIME_WE	Average time spent asleep per main sleep (on weekdays) (minutes)	Num		8	396.50	44.00~713.00		855	93.65
AVGSLEEPTIME_WD	Average time spend asleep per main sleep (on weekend) (minutes)	Num		8	410.31	148.00~776.00		852	93.32
STDSLEEPTIME	Standard deviation of time spent asleep per main sleep (all days) (minutes)	Num		8	73.13	7.00~241.00		853	93.43

Codebook for jhssleepdata_clean

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
Number of Variables: 995
Organization of file: One Record per Participant (PPTID)

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
STDSLEEPTIME_WE	Standard deviation of time spent asleep per main sleep (on weekdays) (minutes)	Num		8	66.81	11.00~294.00		852	93.32
STDSLEEPTIME_WD	Standard deviation of time spent asleep per main sleep (on weekend) (minutes)	Num		8	67.01	0.00~395.00		825	90.36
AVGSLEEPPERIOD	Average sleep period duration per main sleep (all days) (minutes)	Num		8	454.68	95.00~757.00		856	93.76
AVGSLEEPPERIOD_WE	Average sleep period duration per main sleep (on weekdays) (minutes)	Num		8	449.94	50.00~753.00		855	93.65
AVGSLEEPPERIOD_WD	Average sleep period duration per main sleep (on weekend) (minutes)	Num		8	467.05	184.00~814.00		852	93.32
STDSLEEPPERIOD	Standard deviation of sleep period duration per main sleep (all days) (minutes)	Num		8	82.57	6.00~294.00		853	93.43
STDSLEEPPERIOD_WE	Standard deviation of sleep period duration per main sleep (on weekdays) (minutes)	Num		8	75.13	3.00~337.00		852	93.32
STDSLEEPPERIOD_WD	Standard deviation of sleep period duration per main sleep (on weekend) (minutes)	Num		8	74.68	0.00~461.00		825	90.36
AVGONSETLATENCY	Average sleep onset latency per main sleep (all days) (minutes)	Num		8	6.20	0.00~15.00		856	93.76
AVGONSETLATENCY_WE	Average sleep onset latency per main sleep (on weekdays) (minutes)	Num		8	6.19	0.00~18.00		855	93.65
AVGONSETLATENCY_WD	Average sleep onset latency per main sleep (on weekend) (minutes)	Num		8	6.43	1.00~25.00		852	93.32
STDONSETLATENCY	Standard deviation of sleep onset latency per main sleep (all days) (minutes)	Num		8	2.25	0.00~17.00		853	93.43
STDONSETLATENCY_WE	Standard deviation of sleep onset latency per main sleep (on weekdays) (minutes)	Num		8	2.09	0.00~20.00		852	93.32
STDONSETLATENCY_WD	Standard deviation of sleep onset latency per main sleep (on weekdays) (minutes)	Num		8	1.75	0.00~23.00		825	90.36
AVGWASO	Average wake duration after sleep onset per main sleep (all days) (minutes)	Num		8	54.46	10.00~153.00		856	93.76

Codebook for jhssleepdata_clean

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
AVGWASO_WE	Average wake duration after sleep onset per main sleep (on weekdays) (minutes)	Num		8	53.44	6.00~161.00		855	93.65
AVGWASO_WD	Average wake duration after sleep onset per main sleep (on weekend) (minutes)	Num		8	56.98	4.00~187.00		852	93.32
STDWASO	Standard deviation of wake duration after sleep onset per main sleep (all days) (minutes)	Num		8	23.65	2.00~114.00		853	93.43
STDWASO_WE	Standard deviation of wake duration after sleep onset per main sleep (on weekdays) (minutes)	Num		8	22.26	2.00~129.00		852	93.32
STDWASO_WD	Standard deviation of wake duration after sleep onset per main sleep (on weekend) (minutes)	Num		8	20.31	0.00~136.00		825	90.36
AVGEFFICIENCY	Average sleep efficiency per main sleep (all days) (%)	Num		8	86.80	67.75~96.75		856	93.76
AVGEFFICIENCY_WE	Average sleep efficiency per main sleep (on weekdays) (%)	Num		8	86.89	65.52~96.60		855	93.65
AVGEFFICIENCY_WD	Average sleep efficiency per main sleep (on weekend) (%)	Num		8	86.65	60.37~98.20		852	93.32
STDEFFICIENCY	Standard deviation of sleep efficiency per main sleep (all days) (%)	Num		8	4.50	0.31~19.05		853	93.43
STDEFFICIENCY_WE	Standard deviation of sleep efficiency per main sleep (on weekdays) (%)	Num		8	4.35	0.35~22.23		852	93.32
STDEFFICIENCY_WD	Standard deviation of sleep efficiency per main sleep (on weekend) (%)	Num		8	3.74	0.01~23.41		825	90.36
AVGMAINTEFFICIENCY	Avarege sleep maintainance efficiency per main sleep (all days) (%)	Num		8	88.08	69.37~97.79		856	93.76
AVGMAINTEFFICIENCY_WE	Average sleep maintainance efficiency per main sleep (on weekdays) (%)	Num		8	88.18	70.03~97.65		855	93.65
AVGMAINTEFFICIENCY_WD	Average sleep maintainance efficiency per main sleep (on weekend) (%)	Num		8	87.89	61.17~99.19		852	93.32

Codebook for jhssleepdata_clean

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
STDMAINTEFFICIENCY	Standard deviation of sleep maintainance efficiency per main sleep (all days) (%)	Num		8	4.52	0.31~18.56		853	93.43
STDMAINTEFFICIENCY_WE	Standard deviation of sleep maintainance efficiency per main sleep (on weekdays) (%)	Num		8	4.37	0.31~21.67		852	93.32
STDMAINTEFFICIENCY_WD	Standard deviation of sleep maintainance efficiency per main sleep (on weekend) (%)	Num		8	3.75	0.00~23.50		825	90.36
AVGNAWAKENINGS	Average number of awakenings per main sleep (all days)	Num		8	14.98	4.00~38.00		856	93.76
AVGNAWAKENINGS_WE	Average number of awakenings per main sleep (on weekdays)	Num		8	14.74	2.00~38.00		855	93.65
AVGNAWAKENINGS_WD	Average number of awakenings per main sleep (on weekend)	Num		8	15.85	2.00~48.00		852	93.32
STDNAWAKENINGS	Standard deviation of number of awakenings per main sleep (all days)	Num		8	5.42	1.00~18.00		853	93.43
STDNAWAKENINGS_WE	Standard deviation of number of awakenings per main sleep (on weekdays)	Num		8	5.12	1.00~20.00		852	93.32
STDNAWAKENINGS_WD	Standard deviation of number of awakenings per main sleep (on weekend)	Num		8	4.48	0.00~22.00		825	90.36
AVGAWAKE_LENGTH	Average mean length of awakenings per main sleep (all days) (minutes)	Num		8	3.74	1.41~11.15		856	93.76
AVGAWAKE_LENGTH_WE	Average mean length of awakenings per main sleep (on weekdays) (minutes)	Num		8	3.74	1.41~9.78		855	93.65
AVGAWAKE_LENGTH_WD	Average mean length of awakenings per main sleep (on weekend) (minutes)	Num		8	3.74	1.27~13.90		852	93.32
STDAWAKE_LENGTH	Standard deviation of mean length of awakenings per main sleep (all days) (minutes)	Num		8	1.21	0.05~7.44		853	93.43
STDAWAKE_LENGTH_WE	Standard deviation of mean length of awakenings per main sleep (on weekdays) (minutes)	Num		8	1.17	0.03~8.94		852	93.32
STDAWAKE_LENGTH_WD	Standard deviation of mean length of awakenings per main sleep (on weekend) (minutes)	Num		8	0.99	0.00~6.19		825	90.36

Codebook for jhssleepdata_clean

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
AVGMOVEMENT	Averge movement index per main sleep (all days) (%)	Num		8	17.51	6.37~45.58		856	93.76
AVGMOVEMENT_WE	Average movement index per main sleep (on weekdays) (%)	Num		8	17.39	6.37~43.52		855	93.65
AVGMOVEMENT_WD	Average movement index per main sleep (on weekend) (%)	Num		8	17.73	4.73~50.71		852	93.32
STDMOVEMENT	Standard deviation of movement index per main sleep (all days) (%)	Num		8	4.49	0.75~24.26		853	93.43
STDMOVEMENT_WE	Standard deviation of movement index per main sleep (on weekdays) (%)	Num		8	4.29	0.53~27.84		852	93.32
STDMOVEMENT_WD	Standard deviation of movement index per main sleep (on weekend) (%)	Num		8	3.72	0.01~32.51		825	90.36
AVGFRAGMENTATION	Average fragmentation index per main sleep (all days) (%)	Num		8	11.92	0.00~52.63		856	93.76
AVGFRAGMENTATION_WE	Average fragmentation index per main sleep (on weekdays) (%)	Num		8	11.84	0.00~52.63		855	93.65
AVGFRAGMENTATION_WD	Average fragmentation index per main sleep (on weekend) (%)	Num		8	12.04	0.00~40.00		852	93.32
STDFRAGMENTATION	Standard deviation of fragmentation index per main sleep (all days) (%)	Num		8	8.85	0.00~20.62		853	93.43
STDFRAGMENTATION_WE	Standard deviation of fragmentation index per main sleep (on weekdays) (%)	Num		8	8.79	0.00~23.84		852	93.32
STDFRAGMENTATION_WD	Standard deviation of fragmentation index per main sleep (on weekend) (%)	Num		8	7.04	0.00~34.14		825	90.36
AVGSLEEP_FRAGMENTATION	Average sleep fragmentation index per main sleep (all days) (%)	Num		8	29.43	8.06~80.18		856	93.76
AVGSLEEP_FRAGMENTATION_WE	Average sleep fragmentation index per main sleep (on weekdays) (%)	Num		8	29.23	7.73~80.18		855	93.65
AVGSLEEP_FRAGMENTATION_WD	Average sleep fragmentation index per main sleep (on weekend) (%)	Num		8	29.77	5.88~73.40		852	93.32
STDSLEEP_FRAGMENTATION	Standard deviation of sleep fragmentation index per main sleep (all days) (%)	Num		8	10.97	1.58~43.28		853	93.43

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Codebook for jhssleepdata_clean

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
STDSLEEP_FRAGMENTATION_WE	Standard deviation of sleep fragmentation index per main sleep (on weekdays) (%)	Num		8	10.80	0.64~50.59		852	93.32
STDSLEEP_FRAGMENTATION_WD	Standard deviation of sleep fragmentation index per main sleep (on weekend) (%)	Num		8	8.99	0.01~54.27		825	90.36
AVGINBEDTIME	Average in-bed time per main sleep (all days) (clock time)	Num	TIME	8	18:13	0:00~23:58		856	93.76
AVGINBEDTIME_WE	Average in-bed time per main sleep (on weekdays) (clock time)	Num	TIME	8	18:41	0:00~23:59		855	93.65
AVGINBEDTIME_WD	Average in-bed time per main sleep (on weekend) (clock time)	Num	TIME	8	16:40	0:00~23:59		852	93.32
STDINBEDTIME	Standard deviation of in-bed time per main sleep (all days) (clock time)	Num	TIME	8	1:07	0:08~7:38		853	93.43
STDINBEDTIME_WE	Standard deviation of in-bed time per main sleep (on weekdays) (clock time)	Num	TIME	8	1:01	0:05~7:11		852	93.32
STDINBEDTIME_WD	Standard deviation of in-bed time per main sleep (on weekend) (clock time)	Num	TIME	8	0:56	0:00~7:12		825	90.36
AVGONSETTIME	Average sleep onset time per main sleep (all days) (clock time)	Num	TIME	8	18:04	0:01~23:59		856	93.76
AVGONSETTIME_WE	Average sleep onset time per main sleep (on weekdays) (clock time)	Num	TIME	8	18:14	0:00~23:59		855	93.65
AVGONSETTIME_WD	Average sleep onset time per main sleep (on weekend) (clock time)	Num	TIME	8	16:04	0:00~23:59		852	93.32
STDONSETTIME	Standard deviation of sleep onset time per main sleep (all days) (clock time)	Num	TIME	8	1:07	0:08~7:38		853	93.43
STDONSETTIME_WE	Standard deviation of sleep onset time per main sleep (on weekdays) (clock time)	Num	TIME	8	1:01	0:05~7:08		852	93.32
STDONSETTIME_WD	Standard deviation of sleep onset time per main sleep (on weekend) (clock time)	Num	TIME	8	0:56	0:00~7:07		825	90.36
AVGMIDSLEEPTIME	Average mid asleep time per main sleep (all days) (clock time)	Num	TIME	8	3:17	0:07~23:53		856	93.76
AVGMIDSLEEPTIME_WE	Average mid asleep time per main sleep (on weekdays) (clock time)	Num	TIME	8	3:04	0:07~23:32		855	93.65

Codebook for jhssleepdata_clean

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
AVGMIDSLEEPTIME_WD	Average mid asleep time per main sleep (on weekend) (clock time)	Num	TIME	8	3:34	0:15~23:44		852	93.32
STDMIDSLEEPTIME	Standard deviation of mid asleep time per main sleep (all days) (clock time)	Num	TIME	8	0:56	0:07~9:50		853	93.43
STDMIDSLEEPTIME_WE	Standard deviation of mid asleep time per main sleep (on weekdays) (clock time)	Num	TIME	8	0:48	0:04~8:37		852	93.32
STDMIDSLEEPTIME_WD	Standard deviation of mid asleep time per main sleep (on weekend) (clock time)	Num	TIME	8	0:46	0:00~16:08		825	90.36
AVGOUTBEDTIME	Average out-bed time per main sleep (all days) (clock time)	Num	TIME	8	6:47	0:23~11:57		856	93.76
AVGOUTBEDTIME_WE	Average out-bed time per main sleep (on weekdays) (clock time)	Num	TIME	8	6:36	0:13~11:30		855	93.65
AVGOUTBEDTIME_WD	Average out-bed time per main sleep (on weekend) (clock time)	Num	TIME	8	7:09	0:25~11:46		852	93.32
STDOUTBEDTIME	Standard deviation of out-bed time per main sleep (all days) (clock time)	Num	TIME	8	1:10	0:02~10:56		853	93.43
STDOUTBEDTIME_WE	Standard deviation of out-bed time per main sleep (on weekdays) (clock time)	Num	TIME	8	0:58	0:00~10:17		852	93.32
STDOUTBEDTIME_WD	Standard deviation of out-bed time per main sleep (on weekend) (clock time)	Num	TIME	8	0:56	0:00~13:18		825	90.36
ACTIGRAPHY_SEASON	Season of actigraphy adiministration (1=Winter, 2=Spring, 3=Summer, 4=Fall)	Num	SEASON	8	2.40	–	Missing	57	6.24
						1	1:Winter	240	26.29
						2	2:Spring	229	25.08
						3	3:Summer	191	20.92
						4	4:Fall	196	21.47
DSTOVERLAP	Study overlaps with daylight saving time start (March) or end (November)	Num	YESNOF	8	0.04	–	Missing	57	6.24
						0	0: No	819	89.70
						1	1: Yes	37	4.05
CURRENTLY_EMPLOYED	Are you currently employed?	Num	YESNOF	8	0.47	–	Missing	12	1.31

Codebook for jhssleepdata_clean

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						0	0: No	482	52.79
						1	1: Yes	419	45.89
WORK_SCHEDULE	Which of the following best describes your usual work schedule (check one)?	Num	WORK_ SCHEDULEF	8	0.53	-	Missing	233	25.52
						0	0: Not employed	482	52.79
						1	1: Day shift	145	15.88
						2	2: Afternoon shift	5	0.55
						3	3: Night shift	12	1.31
						4	4: Split shift	12	1.31
						5	5: Irregular shift/on-call	20	2.19
						6	6: Rotating shift	4	0.44
EXTRA_HRS_WORK_SCHEDULE	How many days per month do you work extra hours beyond your usual schedule?	Num		8	3.30	0.00~30.00		384	42.06
HRS_SLEEP_WEEKDAYS	How many hours of sleep do you usually get per night on weekdays or workdays?	Num		8	6.34	2.00~23.00		895	98.03
HRS_SLEEP_WEEKENDS	How many hours of sleep do you usually get per night on weekends?	Num		8	6.64	1.00~12.00		893	97.81
MINUTES_FALL_ASLEEP	How many minutes does it usually take for you to fall asleep at bedtime?	Num		8	25.98	0.00~240.00		894	97.92
MINUTES_WAKE_UP	How many minutes of wake time do you have during a typical night's sleep?	Num		8	28.81	0.00~320.00		891	97.59
BEDTIME_WEEKDAYS	Not including naps, what time do you usually go to bed on weekdays or workdays?	Num	TIME	8	18:15	0:00~23:50		897	98.25
BEDTIME_WEEKENDS	Not including naps, what time do you usually go to bed on weekends?	Num	TIME	8	16:26	0:00~23:45		897	98.25
WAKEUP_WEEKDAYS	Not including naps, what time do you usually wake up on weekdays or workdays?	Num	TIME	8	6:16	0:00~21:45		898	98.36
WAKEUP_WEEKENDS	Not including naps, what time do you usually wake up on weekends?	Num	TIME	8	6:44	0:00~21:30		897	98.25
NAP_AMT_WEEK	During a usual week, how many times do you nap for 5 minutes or more?	Num	NAP_AMT_WEEKF	8	1.58	-	Missing	32	3.50
						1	1: None	374	40.96

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						2	2: 1 or more times	507	55.53
TROUBLE_FALLING_ASLEEP	Did you have trouble falling asleep?	Num	SLEEP_WHIIRSF	8	0.89	–	Missing	14	1.53
						0	0: No, not in the past 4 weeks	596	65.28
						1	1: Yes, less than once a week	49	5.37
						2	2: Yes, 1 or 2 times a week	102	11.17
						3	3: Yes, 3 or 4 times a week	65	7.12
						4	4: Yes, 5 or more times a week	87	9.53
WAKEUP_AT_NIGHT	Did you wake up several times a night?	Num	SLEEP_WHIIRSF	8	1.68	–	Missing	16	1.75
						0	0: No, not in the past 4 weeks	398	43.59
						1	1: Yes, less than once a week	36	3.94
						2	2: Yes, 1 or 2 times a week	136	14.90
						3	3: Yes, 3 or 4 times a week	105	11.50
						4	4: Yes, 5 or more times a week	222	24.32
WAKEUP_TOO_EARLY	Did you wake up earlier than you planned to?	Num	SLEEP_WHIIRSF	8	1.03	–	Missing	16	1.75
						0	0: No, not in the past 4 weeks	541	59.26
						1	1: Yes, less than once a week	38	4.16
						2	2: Yes, 1 or 2 times a week	146	15.99
						3	3: Yes, 3 or 4 times a week	97	10.62
						4	4: Yes, 5 or more times a week	75	8.21
TROUBLE_BACK_TO_SLEEP	Did you have trouble getting back to sleep after you woke up too early?	Num	SLEEP_WHIIRSF	8	0.67	–	Missing	18	1.97
						0	0: No, not in the past 4 weeks	660	72.29
						1	1: Yes, less than once a week	28	3.07
						2	2: Yes, 1 or 2 times a week	97	10.62
						3	3: Yes, 3 or 4 times a week	59	6.46
						4	4: Yes, 5 or more times a week	51	5.59
TAKE_SLEEPING_PILLS	Did you take sleeping pills to help you sleep?	Num	SLEEP_WEEK_ AMTF	8	1.47	–	Missing	560	61.34
						1	1: No, not in the past 4 weeks	290	31.76
						2	2: Yes, less than once a week	7	0.77
						3	3: Yes, 1 or 2 times a week	27	2.96
						4	4: Yes, 3 or 4 times a week	10	1.10
						5	5: Yes, 5 or more times a week	19	2.08

Codebook for jhssleepdata_clean

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
SLP_DIFFICULTIES_MAKE_ IRRITABLE	Did you have sleep difficulties that made you very irritable?	Num	SLEEP_WEEK_ AMTF	8	1.67	–	Missing	561	61.45
						1	1: No, not in the past 4 weeks	246	26.94
						2	2: Yes, less than once a week	25	2.74
						3	3: Yes, 1 or 2 times a week	49	5.37
						4	4: Yes, 3 or 4 times a week	15	1.64
						5	5: Yes, 5 or more times a week	17	1.86
SLEEPY_DURING_DAY	Did you feel overly sleepy during the day?	Num	SLEEP_WEEK_ AMTF	8	2.55	–	Missing	561	61.45
						1	1: No, not in the past 4 weeks	125	13.69
						2	2: Yes, less than once a week	32	3.50
						3	3: Yes, 1 or 2 times a week	112	12.27
						4	4: Yes, 3 or 4 times a week	43	4.71
						5	5: Yes, 5 or more times a week	40	4.38
TYPICAL_NIGHT_SLEEP	Overall, how was your typical nights sleep during the last 4 weeks?	Num	TYPICAL_ NIGHT_SLEEPF	8	1.68	–	Missing	13	1.42
						0	0: Very sound or restful	103	11.28
						1	1: Sound or restful	264	28.92
						2	2: Average quality	383	41.95
						3	3: Restless	117	12.81
						4	4: Very restless	33	3.61
NUM_GETTING_OUT_BED_WEEK	During the night, how often did you have to get out of bed on average, during the last week?	Num		8	3.62	0.00~28.00		897	98.25
NUM_GETTING_OUT_BED_ LASTNIGHT	Last night, how often did you have to get out of bed (for example, to use the toilet)?	Num		8	1.45	0.00~10.00		898	98.36
ESS_SITTING_READING	In the last 4 weeks, what is the chance that you would doze off or fall asleep while sitting and reading?	Num	EPWORTHF	8	1.36	–	Missing	15	1.64
						0	0: No chance	204	22.34
						1	1: Slight chance	328	35.93
						2	2: Moderate chance	209	22.89
						3	3: High chance	157	17.20
ESS_WATCH_TV	In the last 4 weeks, what is the chance that you would doze off or fall asleep while watching TV?	Num	EPWORTHF	8	1.50	–	Missing	15	1.64

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						0	0: No chance	161	17.63
						1	1: Slight chance	303	33.19
						2	2: Moderate chance	257	28.15
						3	3: High chance	177	19.39
ESS_SITTING_PUBLIC_PLACE	In the last 4 weeks, what is the chance that you would doze off or fall asleep while sitting inactive in a public place (such as a theater or a meeting) ?	Num	EPWORTHF	8	0.48	–	Missing	15	1.64
						0	0: No chance	597	65.39
						1	1: Slight chance	202	22.12
						2	2: Moderate chance	66	7.23
						3	3: High chance	33	3.61
ESS_PASSENGER_CAR	In the last 4 weeks, what is the chance that you would doze off or fall asleep while riding as a passenger in a car for an hour without a break?	Num	EPWORTHF	8	0.81	–	Missing	16	1.75
						0	0: No chance	455	49.84
						1	1: Slight chance	252	27.60
						2	2: Moderate chance	99	10.84
						3	3: High chance	91	9.97
ESS_REST_AFTERNOON	In the last 4 weeks, what is the chance that you would doze off or fall asleep while lying down to rest in the afternoon when circumstances permit?	Num	EPWORTHF	8	1.55	–	Missing	16	1.75
						0	0: No chance	155	16.98
						1	1: Slight chance	311	34.06
						2	2: Moderate chance	216	23.66
						3	3: High chance	215	23.55
ESS_SITTING_TALKING	In the last 4 weeks, what is the chance that you would doze off or fall asleep while sitting and talking to someone?	Num	EPWORTHF	8	0.24	–	Missing	15	1.64
						0	0: No chance	724	79.30
						1	1: Slight chance	140	15.33
						2	2: Moderate chance	24	2.63
						3	3: High chance	10	1.10
ESS_AFTER_LUNCH	In the last 4 weeks, what is the chance that you would doze off or fall asleep while sitting quiet after a lunch without alcohol?	Num	EPWORTHF	8	0.99	–	Missing	15	1.64

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						0	0: No chance	355	38.88
						1	1: Slight chance	292	31.98
						2	2: Moderate chance	156	17.09
						3	3: High chance	95	10.41
ESS_SITTING_TRAFFIC	In the last 4 weeks, what is the chance that you would doze off or fall asleep in a car, while stopped for a few minutes in traffic?	Num	EPWORTHF	8	0.14	–	Missing	15	1.64
						0	0: No chance	800	87.62
						1	1: Slight chance	79	8.65
						2	2: Moderate chance	14	1.53
						3	3: High chance	5	0.55
SLEEPY_DRIVING	In the last 4 weeks, what is the chance that you would doze off or fall asleep while driving?	Num	EPWORTHF	8	0.08	–	Missing	15	1.64
						0	0: No chance	838	91.79
						1	1: Slight chance	52	5.70
						2	2: Moderate chance	8	0.88
RLS_DESIRE_MOVE_LEGS	Do yo ever experience a desire to move your legs because of discomfort or disaggreeable sensations in your legs?	Num	YESNODONTKNOW	8	0.55	–	Missing	15	1.64
						0	0: No	412	45.13
						1	1: Yes	482	52.79
						2	2: Don't know	4	0.44
RLS_RELIEVE_WALKING_ RUBBING	Do you sometimes feel the need to move to relieve the discomfort, for example by walking or to relieve the discomfort by rubbing your legs?	Num	YESNODONTKNOW	8	0.95	–	Missing	433	47.43
						0	0: No	28	3.07
						1	1: Yes	450	49.29
						2	2: Don't know	2	0.22
RLS_WORSE_REST	Are these symptoms worse when you are at rest, with at least temporary relief by activity?	Num	YESNODONTKNOW	8	0.76	–	Missing	434	47.54
						0	0: No	127	13.91
						1	1: Yes	341	37.35
						2	2: Don't know	11	1.20
RLS_WORSE_DAY_NIGHT	Are these symptoms worse later in the day or at night?	Num	YESNODONTKNOW	8	0.74	–	Missing	434	47.54

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						0	0: No	152	16.65
						1	1: Yes	301	32.97
						2	2: Don't know	26	2.85
SLP_APNEA_SNORED_FOUR_ WEEKS	In the last 4 weeks, have you snored?	Num	YESNODONTKNOW	8	1.15	-	Missing	15	1.64
						0	0: No	103	11.28
						1	1: Yes	560	61.34
						2	2: Don't know	235	25.74
SLP_APNEA_SNORING_SOUND	In the last 4 weeks, how loud your snoring has been?	Num	SLP_APNEA_ SNORING_ SOUNDF	8	1.86	-	Missing	354	38.77
						1	1: Slightly louder than breathing	281	30.78
						2	2: As loud as talking	145	15.88
						3	3: Louder than talking	64	7.01
						4	4: Very loud - can be heard in adjacent rooms	69	7.56
SLP_APNEA_SNORING_ FREQUENCY	In the last 4 weeks, how often have you snored?	Num	SLP_APNEAF	8	2.10	-	Missing	357	39.10
						1	1: Nearly every day	224	24.53
						2	2: 3-4 times a week	112	12.27
						3	3: 1-2 times a week	158	17.31
						4	4: 1-2 times a month	62	6.79
SLP_APNEA_SNORING_ BOTHERING	In the last 4 weeks, has your snoring ever bothered other people?	Num	YESNODONTKNOW	8	0.78	-	Missing	358	39.21
						0	0: No	149	16.32
						1	1: Yes	381	41.73
						2	2: Don't know	25	2.74
SLP_APNEA_STOPPED_ BREATHING	In the last 4 weeks, has anyone noticed that you quit breathing during your sleep?	Num	SLP_APNEAF	8	4.70	-	Missing	13	1.42
						1	1: Nearly every day	28	3.07
						2	2: 3-4 times a week	9	0.99
						3	3: 1-2 times a week	44	4.82
						4	4: 1-2 times a month	42	4.60
						5	5: Never	777	85.10
SLP_APNEA_OFTEN_TIRED_ FATIGUED	In the last 4 weeks, how often have you felt tired or fatigued after your sleep?	Num	SLP_APNEAF	8	3.67	-	Missing	14	1.53
						1	1: Nearly every day	88	9.64

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						2	2: 3-4 times a week	93	10.19
						3	3: 1-2 times a week	185	20.26
						4	4: 1-2 times a month	194	21.25
						5	5: Never	339	37.13
SLP_APNEA_NOT_UP_TO_PAR	During your waking time in the last 4 weeks, have you felt tired, fatigued or not up to par?	Num	SLP_APNEAF	8	3.65	-	Missing	15	1.64
						1	1: Nearly every day	73	8.00
						2	2: 3-4 times a week	99	10.84
						3	3: 1-2 times a week	211	23.11
						4	4: 1-2 times a month	202	22.12
						5	5: Never	313	34.28
SLP_APNEA_SLEPT_DRIVING	In the last 4 weeks, have you ever nodded off or fallen asleep while driving a vehicle?	Num	YESNOF	8	0.04	-	Missing	22	2.41
						0	0: No	854	93.54
						1	1: Yes	37	4.05
SLP_APNEA_SLEPT_DRIVING_FREQ	In the last 4 weeks, how often have you nodded off or fallen asleep while driving a vehicle?	Num	SLP_APNEAF	8	4.95	-	Missing	27	2.96
						2	2: 3-4 times a week	1	0.11
						3	3: 1-2 times a week	8	0.88
						4	4: 1-2 times a month	22	2.41
						5	5: Never	855	93.65
DX_SLEEP_APNEA	Have you ever been told by a doctor or other healh professionals that you have sleep apnea or obstructive sleep apnea?	Num	YESNODONTKNOW	8	0.03	-	Missing	14	1.53
						0	0: No	874	95.73
						1	1: Yes	21	2.30
						2	2: Don't know	4	0.44
DX_INSOMNIA	Have you ever been told by a doctor or other health professionals that you have insomnia?	Num	YESNODONTKNOW	8	0.03	-	Missing	15	1.64
						0	0: No	872	95.51
						1	1: Yes	23	2.52
						2	2: Don't know	3	0.33
DX_RESTLESS_LEGS	Have you ever been told by a doctor or other health professionals that you have restless leg syndrome?	Num	YESNODONTKNOW	8	0.02	-	Missing	15	1.64

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						0	0: No	883	96.71
						1	1: Yes	9	0.99
						2	2: Don't know	6	0.66
DX_USE_CPAP	Do you use a CPAP or other breathing machine when you sleep?	Num	YESNODONTKNOW	8	0.02	–	Missing	17	1.86
						0	0: No	885	96.93
						1	1: Yes	8	0.88
						2	2: Don't know	3	0.33
BEST_FEELING_RHYTHM	Considering only your own "feeling best" rhythm, at what time would you get up if you were entirely free to plan your day?	Num	BEST_FEELING_ RHYTHMF	8	2.35	–	Missing	15	1.64
						1	1: 5:00-6:30 AM	260	28.48
						2	2: 6:30-7:45 AM	233	25.52
						3	3: 7:45-9:45 AM	273	29.90
						4	4: 9:45-11:00 AM	96	10.51
						5	5: After 11:00AM	36	3.94
FEEL_AFTER_THIRTY_MIN_ WOKEN	During the first half hour after having woken in the morning, how tired do you feel?	Num	FEEL_AFTER_ THIRTY_MIN_ WOKENF	8	2.96	–	Missing	14	1.53
						1	1: Very tired	32	3.50
						2	2: Fairly tired	183	20.04
						3	3: Fairly refreshed	477	52.25
						4	4: Very refreshed	207	22.67
MOST_TIRED_IN_EVENING	At what time in the evening do you feel most tired and, as a result, most in need of sleep?	Num	MOST_TIRED_ IN_EVENINGF	8	2.35	–	Missing	14	1.53
						1	1: 8:00-9:00 PM	236	25.85
						2	2: 9:00-10:15 PM	231	25.30
						3	3: 10:15-12:45 AM	340	37.24
						4	4: 12:45-2:00 AM	64	7.01
						5	5: After 2:00 AM	28	3.07
FEELING_BEST_PEAK	At what time of the day do you think that you reach you "feeling best" peak?	Num	FEELING_BEST_ PEAKF	8	2.41	–	Missing	14	1.53
						1	1: 5:00-8:00 AM	149	16.32
						2	2: 8:00-10:00 AM	289	31.65
						3	3: 10:00-4:45 PM	414	45.35
						4	4: 4:45-9:45 PM	33	3.61
						5	5: After 9:45 PM	14	1.53

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MORNING_EVENING_TYPE	One hears about "morning" and "evening" types of people. Which one of these types do you consider yourself to be?	Num	MORNING_ EVENING_TYPEF	8	2.24	-	Missing	16	1.75
						1	1: Definitely a 'morning' type	395	43.26
						2	2: More a 'morning' than a 'evening' type	171	18.73
						3	3: More a 'evening' than a 'morning' type	121	13.25
						4	4: Definitely a 'evening' type	139	15.22
						5	5: Neither a 'morning' or 'evening' type	71	7.78
WHIIRS_TOTAL	Total score of women's health initiative insomnia rating scale (5-item)	Num		8	5.94	0.00~20.00		900	98.58
WHIIRS_NOQ5_TOTAL	Total score of women's health initiative insomnia rating scale (4-item, without typical_night_sleep)	Num		8	4.26	0.00~16.00		900	98.58
WHIIRS_NMISS	Number of missing items of women's health initiative insomnia rating scale (5-item)	Num		8	0.68	0.00~5.00		913	100.00
WHIIRS_NOQ5_NMISS	Number of missing items of women's health initiative insomnia rating scale (4-item, without typical_night_sleep)	Num		8	0.66	0.00~4.00		913	100.00
ESS_TOTAL	Total score of Epworth Sleepiness Scale (8-item, range 0-24) (computed only for participants without any missing ESS items)	Num		8	7.06	0.00~23.00		896	98.14
WEEKEND_SLEEP_DURATION	Hours between bedtime and wake-up time on weekdends	Num		8	7.88	1.00~24.00		896	98.14
WEEKDAY_SLEEP_DURATION	Hours between bedtime and wake-up time on weekdays	Num		8	7.47	1.00~17.00		896	98.14
AVGWEEK_SLEEP_DURATION	Average hours between bedtime and wake-up time in a typical week	Num		8	7.59	2.00~16.90		895	98.03
HRS_SLEEP_WEEK	Average hours of sleep per night in a typical week	Num		8	6.43	2.00~17.90		893	97.81
HEIGHTCM	Height (cm)	Num	F	8	168.30	147.00~200.00		910	99.67
WEIGHTKG	Weight (kg)	Num	F	8	90.61	37.50~183.40		906	99.23

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WAISTCM	Waist circumference (cm)	Num	F	8	106.15	54.00~197.00		901	98.69
HIPCM	Hip circumference (cm)	Num	F	8	115.95	83.00~199.00		904	99.01
NECKCM	Neck circumference (cm)	Num	F	8	38.67	17.00~53.00		901	98.69
BMICALCULATED	Body Mass Index (BMI)	Num	F	8	31.97	14.29~65.33		906	99.23
WAIST_TO_HIP_RATIO	Waist-to-hip ratio	Num	F	8	0.91	0.55~1.31		899	98.47
HAS_INVENTORY	Has a medications inventory form entered	Num	F	8	0.99	0.00~1.00		913	100.00
MSA1	1. Did you bring all medications you used in the past six weeks, or their containers? This includes all prescription medications, all over-the-counter medications, all vitamins, minerals, herbs and dietary supplements?	Num	YESNOF	8	0.84	–	Missing	31	3.40
						0	0: No	143	15.66
						1	1: Yes	739	80.94
MSA2	2. Is this because you forgot to bring your medication, or because you have not taken any medications at all in the last six weeks, or because you could not bring your medications?	Num	MSAFORGET	8	1.25	–	Missing	774	84.78
						1	1: Took no medications	104	11.39
						2	2: Forgot or was unable to bring medications	35	3.83
MSA24	24. Total number of medications in bag	Num	F	8	5.35	0.00~20.00		589	64.51
MSA25	25. Number of medications unable to transcribe	Num	F	8	0.03	0.00~10.00		581	63.64
MSA26A	26a. High blood pressure?	Num	YESNODONTKNOW	8	0.76	–	Missing	181	19.82
						0	0: No	174	19.06
						1	1: Yes	558	61.12
MSA26G	26g. Diabetes or high blood sugar?	Num	YESNODONTKNOW	8	0.24	–	Missing	122	13.36
						0	0: No	600	65.72
						1	1: Yes	191	20.92

Codebook for jhssleepdata_clean

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
NLISTEDMEDS	Number of medications listed that could be classified	Num	F	8	5.04	1.00~28.00		761	83.35
ANY_ACEINHIBITOR	Taking at least 1 ACE inhibitor or ARB	Num	YESNOF	8	0.43	–	Missing	62	6.79
						0	0: No	483	52.90
						1	1: Yes	368	40.31
N_ACEINHIBITOR	Number of ACE inhibitors or ARBs	Num	F	8	0.45	0.00~2.00		851	93.21
ANY_ALDOSTERONEBLOCKER	Taking at least 1 aldosterone blocker	Num	YESNOF	8	0.03	–	Missing	74	8.11
						0	0: No	817	89.49
						1	1: Yes	22	2.41
N_ALDOSTERONEBLOCKER	Number of aldosterone blockers	Num	F	8	0.03	0.00~1.00		839	91.89
ANY_ALPHABLOCKER	Taking at least 1 alpha blocker	Num	YESNOF	8	0.01	–	Missing	74	8.11
						0	0: No	828	90.69
						1	1: Yes	11	1.20
N_ALPHABLOCKER	Number of alpha blockers	Num	F	8	0.01	0.00~1.00		839	91.89
ANY_BETABLOCKER	Taking at least 1 beta blocker	Num	YESNOF	8	0.16	–	Missing	70	7.67
						0	0: No	711	77.88
						1	1: Yes	132	14.46
N_BETABLOCKER	Number of beta blockers	Num	F	8	0.16	0.00~2.00		843	92.33
ANY_ CALCIUMCHANNELBLOCKER	Taking at least 1 calcium channel blocker	Num	YESNOF	8	0.33	–	Missing	65	7.12
						0	0: No	567	62.10
						1	1: Yes	281	30.78
N_CALCIUMCHANNELBLOCKER	Number of calcium channel blockers	Num	F	8	0.35	0.00~2.00		848	92.88
ANY_DIABETES	Taking at least 1 diabetes medication	Num	YESNOF	8	0.22	–	Missing	66	7.23
						0	0: No	658	72.07
						1	1: Yes	189	20.70
N_DIABETES	Number of diabetes medications	Num	F	8	0.33	0.00~3.00		847	92.77
ANY_DIURETIC	Taking at least 1 diuretic	Num	YESNOF	8	0.41	–	Missing	62	6.79
						0	0: No	502	54.98
						1	1: Yes	349	38.23

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
N_DIURETIC	Number of diuretics	Num	F	8	0.44	0.00~3.00		851	93.21
ANY_LIPIDLOWERING	Taking at least 1 lipid lowering medication	Num	YESNOF	8	0.36	–	Missing	65	7.12
						0	0: No	543	59.47
						1	1: Yes	305	33.41
N_LIPIDLOWERING	Number of lipid lowering medications	Num	F	8	0.38	0.00~2.00		848	92.88
ANY_NITRATE	Taking at least 1 nitrate	Num	YESNOF	8	0.02	–	Missing	74	8.11
						0	0: No	821	89.92
						1	1: Yes	18	1.97
N_NITRATE	Number of nitrates	Num	F	8	0.03	0.00~3.00		839	91.89
ANY_PERVASODILATORS	Taking at least 1 peripheral vasodilator	Num	YESNOF	8	0.01	–	Missing	74	8.11
						0	0: No	831	91.02
						1	1: Yes	8	0.88
N_PERVASODILATORS	Number of peripheral vasodilators	Num	F	8	0.01	0.00~1.00		839	91.89
ANY_STATIN	Taking at least 1 statin	Num	YESNOF	8	0.33	–	Missing	67	7.34
						0	0: No	565	61.88
						1	1: Yes	281	30.78
N_STATIN	Number of statins	Num	F	8	0.34	0.00~2.00		846	92.66
ANY_ANTIHYPERTENSIVE	Taking at least 1 antihypertensive	Num	YESNOF	8	0.69	–	Missing	53	5.81
						0	0: No	265	29.03
						1	1: Yes	595	65.17
N_ANTIHYPERTENSIVE	Number of antihypertensives	Num	F	8	1.22	0.00~6.00		860	94.19
HIGH_BP_MEDSELFREPORT	Did you take medications for high blood pressure during the past six weeks?	Num	YESNOF	8	0.76	–	Missing	183	20.04
						0	0: No	172	18.84
						1	1: Yes	558	61.12
HIGH_CHOLESTEROL_ MEDSELFREPORT	Did you take medications for high cholesterol during the past six weeks?	Num	YESNOF	8	0.41	–	Missing	119	13.03
						0	0: No	470	51.48

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						1	1: Yes	324	35.49
ANGINA_MEDSELFREPORT	Did you take medications for angina or chest pain during the past six weeks?	Num	YESNOF	8	0.03	–	Missing	118	12.92
						0	0: No	773	84.67
						1	1: Yes	22	2.41
HRTRHYTHM_MEDSELFREPORT	Did you take medications for control of heart rhythm during the past six weeks?	Num	YESNOF	8	0.06	–	Missing	121	13.25
						0	0: No	744	81.49
						1	1: Yes	48	5.26
HRTFAILURE_MEDSELFREPORT	Did you take medications for heart failure during the past six weeks?	Num	YESNOF	8	0.03	–	Missing	118	12.92
						0	0: No	773	84.67
						1	1: Yes	22	2.41
BLOODTHIN_MEDSELFREPORT	Did you take medications for blood thining during the past six weeks?	Num	YESNOF	8	0.20	–	Missing	122	13.36
						0	0: No	631	69.11
						1	1: Yes	160	17.52
DIABETES_MEDSELFREPORT	Did you take medications for diabetes or high blood sugar during the past six weeks?	Num	YESNOF	8	0.24	–	Missing	123	13.47
						0	0: No	599	65.61
						1	1: Yes	191	20.92
STROKE_MEDSELFREPORT	Did you take medications for stroke during the past six weeks?	Num	YESNOF	8	0.02	–	Missing	121	13.25
						0	0: No	776	84.99
						1	1: Yes	16	1.75
LEGPAIN_MEDSELFREPORT	Did you take medications for leg pain during the past six weeks?	Num	YESNOF	8	0.10	–	Missing	122	13.36
						0	0: No	715	78.31
						1	1: Yes	76	8.32
SLEEP_MEDSELFREPORT	Did you take medications for sleep during the past six weeks?	Num	YESNOF	8	0.07	–	Missing	121	13.25
						0	0: No	738	80.83
						1	1: Yes	54	5.91
STRESS_MEDSELFREPORT	Did you take medications for stress during the past six weeks?	Num	YESNOF	8	0.05	–	Missing	119	13.03

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						0	0: No	757	82.91
						1	1: Yes	37	4.05
ANXIETY_MEDSELFREPORT	Did you take medications for anxiety during the past six weeks?	Num	YESNOF	8	0.07	–	Missing	120	13.14
						0	0: No	737	80.72
						1	1: Yes	56	6.13
DEPRESSION_MEDSELFREPORT	Did you take medications for depression during the past six weeks?	Num	YESNOF	8	0.07	–	Missing	122	13.36
						0	0: No	733	80.28
						1	1: Yes	58	6.35
SLEEPAPNEA_MEDSELFREPORT	Did you take medications for sleep apnea during the past six weeks?	Num	YESNOF	8	0.01	–	Missing	120	13.14
						0	0: No	787	86.20
						1	1: Yes	6	0.66
MENOPAUSE_MEDSELFREPORT	Did you take medications for menopause during the past six weeks?	Num	YESNOF	8	0.06	–	Missing	162	17.74
						0	0: No	709	77.66
						1	1: Yes	42	4.60
ALLERGY_MEDSELFREPORT	Did you take medications for allergy during the past six weeks?	Num	YESNOF	8	0.11	–	Missing	125	13.69
						0	0: No	700	76.67
						1	1: Yes	88	9.64
LEGCRAMPS_MEDSELFREPORT	Did you take medications for leg cramps during the past six weeks?	Num	YESNOF	8	0.04	–	Missing	123	13.47
						0	0: No	757	82.91
						1	1: Yes	33	3.61
ADHD_MEDSELFREPORT	Did you take medications for ADHD during the past six weeks?	Num	YESNOF	8	0.01	–	Missing	139	15.22
						0	0: No	768	84.12
						1	1: Yes	6	0.66
PERCEIVED_HEALTH	Compared to other people your age, would you say that your health is Excellent, Good, Fair, or Poor?	Num	PHHF_ EXCELLENT_ POORF	8	2.12	–	Missing	35	3.83
						1	1: Excellent	110	12.05
						2	2: Good	569	62.32
						3	3: Fair	187	20.48

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						4	4: Poor	12	1.31
HAVE_HIGH_BP	Has a doctor ever told you that you had high blood pressure or hypertension?	Num	YESNODONTKNOW	8	0.72	–	Missing	23	2.52
						0	0: No	254	27.82
						1	1: Yes	632	69.22
						2	2: Don't know	4	0.44
AGE_DX_HIGH_BP	Age when you first diagnosed with high blood pressure or hypertension	Num		8	48.85	10.00~360.00		576	63.09
MEDS_HIGH_BP	Medications for high blood pressure or hypertension	Num	YESNOF	8	0.90	–	Missing	298	32.64
						0	0: No	59	6.46
						1	1: Yes	556	60.90
HAVE_HIGH_CHOLESTEROL	Has a doctor ever told you that you had high blood cholesterol?	Num	YESNODONTKNOW	8	0.49	–	Missing	23	2.52
						0	0: No	471	51.59
						1	1: Yes	405	44.36
						2	2: Don't know	14	1.53
AGE_DX_HIGH_CHOLESTEROL	Age when you first diagnosed with high blood cholesterol	Num		8	53.97	19.00~87.00		369	40.42
MEDS_HIGH_CHOLESTEROL	Medications for high blood cholesterol	Num	YESNOF	8	0.72	–	Missing	524	57.39
						0	0: No	108	11.83
						1	1: Yes	281	30.78
HAD_HEART_ATTACK	Has a doctor ever told you that you had heart attack?	Num	YESNODONTKNOW	8	0.03	–	Missing	26	2.85
						0	0: No	864	94.63
						1	1: Yes	18	1.97
						2	2: Don't know	5	0.55
NUM_HEART_ATTACKS	Numbers of heart attack	Num		8	1.00	1.00~1.00		3	0.33
AGE_DX_HEART_ATTACK	Age when you first diagnosed with heart attack	Num		8	57.59	30.00~72.00		17	1.86
MEDS_HEART_ATTACK	Medications for heart attack	Num	YESNOF	8	0.69	–	Missing	897	98.25
						0	0: No	5	0.55
						1	1: Yes	11	1.20

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DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
HAVE_HEART_BYPASS	Has a doctor ever told you that you had heart bypass?	Num	YESNODONTKNOW	8	0.02	–	Missing	25	2.74
						0	0: No	875	95.84
						1	1: Yes	10	1.10
						2	2: Don't know	3	0.33
AGE_DX_HEART_BYPASS	Age when you first had heart hypass	Num		8	62.17	38.00~75.00		6	0.66
MEDS_HEART_BYPASS	Medications for heart hypass	Num	YESNOF	8	0.38	–	Missing	905	99.12
						0	0: No	5	0.55
						1	1: Yes	3	0.33
HAVE_STENT	Has a doctor ever told you that you had stent procedure?	Num	YESNODONTKNOW	8	0.03	–	Missing	24	2.63
						0	0: No	862	94.41
						1	1: Yes	26	2.85
						2	2: Don't know	1	0.11
AGE_DX_STENT	Age when you first had stent procedure	Num		8	59.92	24.00~77.00		26	2.85
MEDS_STENT	Medications for stent procedure	Num	YESNOF	8	0.72	–	Missing	888	97.26
						0	0: No	7	0.77
						1	1: Yes	18	1.97
HAVE_BLOOD_CIRCULATION	Has a doctor ever told you that you had a blood circulation problem?	Num	YESNODONTKNOW	8	0.06	–	Missing	25	2.74
						0	0: No	837	91.68
						1	1: Yes	48	5.26
						2	2: Don't know	3	0.33
AGE_DX_BLOOD_CIRCULATION	Age when you first diagnosed with a blood cirulation problem	Num		8	61.26	19.00~83.00		47	5.15
MEDS_BLOOD_CIRCULATION	Medications for a blood circulation problem	Num	YESNOF	8	0.67	–	Missing	868	95.07
						0	0: No	15	1.64
						1	1: Yes	30	3.29
HAVE_HEART_FAILURE	Has a doctor ever told you that you had heart failure?	Num	YESNODONTKNOW	8	0.02	–	Missing	30	3.29
						0	0: No	862	94.41
						1	1: Yes	20	2.19
						2	2: Don't know	1	0.11

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
AGE_DX_HEART_FAILURE	Age when you first diagnosed with heart failure	Num		8	54.24	41.00~76.00		17	1.86
MEDS_HEART_FAILURE	Medications for heart failure	Num	YESNOF	8	0.75	–	Missing	893	97.81
						0	0: No	5	0.55
						1	1: Yes	15	1.64
HAVE_DIABETES	Has a doctor ever told you that you had diabetes?	Num	YESNODONTKNOW	8	0.23	–	Missing	24	2.63
						0	0: No	685	75.03
						1	1: Yes	201	22.02
						2	2: Don't know	3	0.33
AGE_DX_DIABETES	Age when you first diagnosed with diabetes	Num		8	53.64	5.00~86.00		179	19.61
MEDS_DIABETES	Medications for diabetes	Num	YESNOF	8	0.83	–	Missing	722	79.08
						0	0: No	32	3.50
						1	1: Yes	159	17.42
HAD_STROKE	Has a doctor ever told you that you had stroke?	Num	YESNODONTKNOW	8	0.04	–	Missing	25	2.74
						0	0: No	858	93.98
						1	1: Yes	28	3.07
						2	2: Don't know	2	0.22
AGE_DX_STROKE	Age when you first diagnosed with stroke	Num		8	62.04	27.00~79.00		26	2.85
MEDS_STROKE	Medications for stroke	Num	YESNOF	8	0.44	–	Missing	886	97.04
						0	0: No	15	1.64
						1	1: Yes	12	1.31
HAVE_KIDNEY_PROBLEM	Has a doctor ever told you that you had a kidney problem?	Num	YESNODONTKNOW	8	0.03	–	Missing	8	0.88
						0	0: No	877	96.06
						1	1: Yes	27	2.96
						2	2: Don't know	1	0.11
AGE_DX_KIDNEY_PROBLEM	Age when you first diagnosed with a kidney problem	Num		8	57.40	19.00~83.00		25	2.74
MEDS_KIDNEY_PROBLEM	Medications for a kidney problem	Num	YESNOF	8	0.38	–	Missing	887	97.15
						0	0: No	16	1.75
						1	1: Yes	10	1.10

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category		Frequency	Percent
HAVE_GERD	Has a doctor ever told you that you had gastroesophageal reflux disease (GERD) ?	Num	YESNODONTKNOW	8	0.23	-		Missing	6	0.66
						0	0: No		706	77.33
						1	1: Yes		196	21.47
						2	2: Don't know		5	0.55
AGE_DX_GERD	Age when you first diagnosed with gastroesophageal reflux disease (GERD)	Num		8	52.47	10.00~86.00			176	19.28
MEDS_GERD	Medications for gastroesophageal reflux disease (GERD)	Num	YESNOF	8	0.74	-		Missing	729	79.85
						0	0: No		48	5.26
						1	1: Yes		136	14.90
HAVE_MENOPAUSE	Has a doctor ever told you that you had menopause (women only)?	Num	YESNODONTKNOW	8	0.29	-		Missing	68	7.45
						0	0: No		625	68.46
						1	1: Yes		198	21.69
						2	2: Don't know		22	2.41
AGE_DX_MENOPAUSE	Age when you first diagnosed with menopause	Num		8	46.86	20.00~67.00			180	19.72
MEDS_MENOPAUSE	Medications for menopause	Num	YESNOF	8	0.25	-		Missing	726	79.52
						0	0: No		140	15.33
						1	1: Yes		47	5.15
HAVE_COPD	Has a doctor ever told you that you had chronic lung disease, such as bronchitis or emphysema?	Num	YESNODONTKNOW	8	0.04	-		Missing	3	0.33
						0	0: No		874	95.73
						1	1: Yes		35	3.83
						2	2: Don't know		1	0.11
AGE_DX_COPD	Age when you first diagnosed with chronic lung disease	Num		8	52.83	20.00~83.00			29	3.18
MEDS_COPD	Medications for chronic lung disease	Num	YESNOF	8	0.55	-		Missing	882	96.60
						0	0: No		14	1.53
						1	1: Yes		17	1.86
HAVE_ALLERGY	Has a doctor ever told you that you had allergies to pollen, grass, or insects?	Num	YESNODONTKNOW	8	0.24	-		Missing	1	0.11

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						0	0: No	699	76.56
						1	1: Yes	209	22.89
						2	2: Don't know	4	0.44
AGE_DX_ALLERGY	Age when you first diagnosed with allergies	Num		8	36.17	2.00~80.00		176	19.28
MEDS_ALLERGY	Medications for allergies	Num	YESNOF	8	0.62	–	Missing	716	78.42
						0	0: No	75	8.21
						1	1: Yes	122	13.36
HAVE_ASTHMA	Has a doctor ever told you that you had asthma?	Num	YESNODONTKNOW	8	0.08	–	Missing	7	0.77
						0	0: No	838	91.79
						1	1: Yes	63	6.90
						2	2: Don't know	5	0.55
AGE_DX_ASTHMA	Age when you first diagnosed with asthma	Num		8	36.82	2.00~75.00		56	6.13
MEDS_ASTHMA	Medications for asthma	Num	YESNOF	8	0.73	–	Missing	853	93.43
						0	0: No	16	1.75
						1	1: Yes	44	4.82
HAVE_DEPRESSION	Has a doctor ever told you that you had depression?	Num	YESNODONTKNOW	8	0.08	–	Missing	6	0.66
						0	0: No	830	90.91
						1	1: Yes	77	8.43
AGE_DX_DEPRESSION	Age when you first diagnosed with depression	Num		8	49.81	18.00~83.00		67	7.34
MEDS_DEPRESSION	Medications for depression	Num	YESNOF	8	0.77	–	Missing	843	92.33
						0	0: No	16	1.75
						1	1: Yes	54	5.91
HAVE_ANXIETY	Has a doctor ever told you that you had anxiety?	Num	YESNODONTKNOW	8	0.07	–	Missing	9	0.99
						0	0: No	841	92.11
						1	1: Yes	62	6.79
						2	2: Don't know	1	0.11
AGE_DX_ANXIETY	Age when you first diagnosed with anxiety	Num		8	50.98	18.00~80.00		60	6.57
MEDS_ANXIETY	Medications for anxiety	Num	YESNOF	8	0.72	–	Missing	853	93.43

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						0	0: No	17	1.86
						1	1: Yes	43	4.71
HAVE_ADHD_ADD	Has a doctor ever told you that you had ADHD/ADD?	Num	YESNODONTKNOW	8	0.00	–	Missing	9	0.99
						0	0: No	902	98.80
						1	1: Yes	2	0.22
AGE_DX_ADHD_ADD	Age when you first diagnosed with ADHD/ADD	Num		8	28.00	28.00~28.00		1	0.11
MEDS_ADHD_ADD	Medications for ADHD/ADD	Num	YESNOF	8	0.00	–	Missing	902	98.80
						0	0: No	11	1.20
HAVE_ALZHEIMERS	Has a doctor ever told you that you had Alzheimer's?	Num	YESNODONTKNOW	8	0.01	–	Missing	5	0.55
						0	0: No	901	98.69
						1	1: Yes	6	0.66
						2	2: Don't know	1	0.11
AGE_DX_ALZHEIMERS	Age when you first diagnosed with Alzheimer's	Num		8	70.20	55.00~82.00		5	0.55
MEDS_ALZHEIMERS	Medications for Alzheimer's	Num	YESNOF	8	1.00	–	Missing	908	99.45
						1	1: Yes	5	0.55
HAVE_SLEEP_APNEA	Has a doctor ever told you that you had sleep apnea?	Num	YESNODONTKNOW	8	0.06	–	Missing	5	0.55
						0	0: No	871	95.40
						1	1: Yes	22	2.41
						2	2: Don't know	15	1.64
AGE_DX_SLEEP_APNEA	Age when you first diagnosed with sleep apnea	Num		8	76.77	34.00~550.00		22	2.41
MEDS_SLEEP_APNEA	Medications for sleep apnea	Num	YESNOF	8	0.05	–	Missing	892	97.70
						0	0: No	20	2.19
						1	1: Yes	1	0.11
HAVE_INSOMNIA	Has a doctor ever told you that you had insomnia	Num	YESNODONTKNOW	8	0.06	–	Missing	5	0.55
						0	0: No	863	94.52
						1	1: Yes	31	3.40
						2	2: Don't know	14	1.53

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
AGE_DX_INSOMNIA	Age when you first diagnosed with insomnia	Num		8	49.41	25.00~72.00		27	2.96
MEDS_INSOMNIA	Medications for insomnia	Num	YESNOF	8	0.64	–	Missing	888	97.26
						0	0: No	9	0.99
						1	1: Yes	16	1.75
HAVE_RLS	Has a doctor ever told you that you had restless leg syndrome?	Num	YESNODONTKNOW	8	0.02	–	Missing	5	0.55
						0	0: No	893	97.81
						1	1: Yes	10	1.10
						2	2: Don't know	5	0.55
AGE_DX_RLS	Age when you first diagnosed with restless leg syndrome	Num		8	61.43	45.00~73.00		7	0.77
MEDS_RLS	Medications for restless leg syndrome	Num	YESNOF	8	0.71	–	Missing	906	99.23
						0	0: No	2	0.22
						1	1: Yes	5	0.55
HAVE_CANCER	Has a doctor ever told you that you had cancer?	Num	YESNODONTKNOW	8	0.09	–	Missing	10	1.10
						0	0: No	821	89.92
						1	1: Yes	81	8.87
						2	2: Don't know	1	0.11
AGE_DX_CANCER	Age when you first diagnosed with cancer	Num		8	117.80	30.00~2012.00		66	7.23
MEDS_CANCER	Medications for cancer	Num	YESNOF	8	0.38	–	Missing	853	93.43
						0	0: No	37	4.05
						1	1: Yes	23	2.52
HAVE_PROSTATE_CANCER	Has a doctor ever told you that you had prostate cancer?	Num	YESNOF	8	0.02	–	Missing	72	7.89
						0	0: No	820	89.81
						1	1: Yes	21	2.30
HAVE_BREAST_CANCER	Has a doctor ever told you that you had breast cancer?	Num	YESNOF	8	0.03	–	Missing	66	7.23
						0	0: No	820	89.81
						1	1: Yes	27	2.96
HAVE_LUNG_CANCER	Has a doctor ever told you that you had lung cancer?	Num	YESNOF	8	0.01	–	Missing	88	9.64

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						0	0: No	820	89.81
						1	1: Yes	5	0.55
HAVE_COLON_CANCER	Has a doctor ever told you that you had colon cancer?	Num	YESNOF	8	0.02	–	Missing	79	8.65
						0	0: No	821	89.92
						1	1: Yes	13	1.42
HAVE_BLOOD_CANCER	Has a doctor ever told you that you had blood cancer (leukemia, lymphoma, other))	Num	YESNOF	8	0.00	–	Missing	90	9.86
						0	0: No	821	89.92
						1	1: Yes	2	0.22
HAVE_SKIN_CANCER	Has a doctor ever told you that you had skin cancer?	Num	YESNOF	8	0.00	–	Missing	91	9.97
						0	0: No	821	89.92
						1	1: Yes	1	0.11
HAVE_OTHER_CANCER	Other type of cancer	Num	YESNOF	8	0.01	–	Missing	86	9.42
						0	0: No	820	89.81
						1	1: Yes	7	0.77
OTHER_CANCER_TYPE	Specify the type of cancer	Char	$	500					
HOSPITAL_OVERNIGHT	Have you stayed overnight as a patient in a hospital during the past year?	Num	YESNOF	8	0.11	–	Missing	33	3.61
						0	0: No	787	86.20
						1	1: Yes	93	10.19
HOSPITAL_OVERNIGHT_ REASON	Specify the reason for hospitalization during the past year	Char		500					
HAVE_CVD	Self-reported history of CVD: Yes if having any of self-reported heart attack/heart bypass/heart failure/stent/stroke	Num	YESNOF	8	0.08	–	Missing	42	4.60
						0	0: No	799	87.51
						1	1: Yes	72	7.89
HAVE_HEART_DISEASE	Self-reported history of CHD: Yes if having any of self-reported heart attack/heart bypass/heart failure/stent	Num	YESNOF	8	0.06	–	Missing	38	4.16
						0	0: No	821	89.92
						1	1: Yes	54	5.91

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
PSS01_UPSET_UNEXPECTED	In the last month, how often have you been upset because of something that happened unexpectedly?	Num	PSSF	8	1.45	–	Missing	11	1.20
						0	0: Never	209	22.89
						1	1: Almost never	240	26.29
						2	2: Sometimes	335	36.69
						3	Fairly often	77	8.43
						4	Very often	41	4.49
PSS02_UNABLE_CONTROL	In the last month, how often have you felt that you were unable to control the important things in your life?	Num	PSSF	8	1.07	–	Missing	11	1.20
						0	0: Never	333	36.47
						1	1: Almost never	267	29.24
						2	2: Sometimes	233	25.52
						3	Fairly often	42	4.60
						4	Very often	27	2.96
PSS03_NERVOUS_STRESSED	In the last month, how often have you felt nervous and stressed?	Num	PSSF	8	1.45	–	Missing	18	1.97
						0	0: Never	210	23.00
						1	1: Almost never	231	25.30
						2	2: Sometimes	330	36.14
						3	Fairly often	86	9.42
						4	Very often	38	4.16
PSS04_CONFIDENT_HANDLE	In the last month, how often have you felt confident about your ability to handle your personal problems?	Num	PSSF	8	3.27	–	Missing	10	1.10
						0	0: Never	17	1.86
						1	1: Almost never	36	3.94
						2	2: Sometimes	129	14.13
						3	Fairly often	229	25.08
						4	Very often	492	53.89
PSS05_THINGS_YOURWAY	In the last month, how often have you felt that things were going your way?	Num	PSSF	8	2.79	–	Missing	10	1.10
						0	0: Never	23	2.52
						1	1: Almost never	41	4.49
						2	2: Sometimes	285	31.22
						3	Fairly often	306	33.52

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						4	Very often	248	27.16
PSS06_COULDNOT_COPE	In the last month, how often have you found that you could not cope with all the things that you had to do?	Num	PSSF	8	1.05	–	Missing	12	1.31
						0	0: Never	341	37.35
						1	1: Almost never	287	31.43
						2	2: Sometimes	196	21.47
						3	Fairly often	45	4.93
						4	Very often	32	3.50
PSS07_CONTROL_IRRITATIONS	In the last month, how often have you been able to control irritations in your life?	Num	PSSF	8	2.94	–	Missing	12	1.31
						0	0: Never	42	4.60
						1	1: Almost never	37	4.05
						2	2: Sometimes	190	20.81
						3	Fairly often	298	32.64
						4	Very often	334	36.58
PSS08_TOP_THINGS	In the last month, how often have you felt that you were on top of things?	Num	PSSF	8	2.99	–	Missing	17	1.86
						0	0: Never	23	2.52
						1	1: Almost never	29	3.18
						2	2: Sometimes	203	22.23
						3	Fairly often	322	35.27
						4	Very often	319	34.94
PSS09_ANGER_CONTROL	In the last month, how often have you been angered because of things that were outside of your control?	Num	PSSF	8	1.28	–	Missing	11	1.20
						0	0: Never	244	26.73
						1	1: Almost never	302	33.08
						2	2: Sometimes	252	27.60
						3	Fairly often	71	7.78
						4	Very often	33	3.61
PSS10_DIFFICULTIES_PILEUP	In the last month, how often have you felt difficulties were piling up so high that you could not overcome them?	Num	PSSF	8	0.94	–	Missing	12	1.31
						0	0: Never	367	40.20
						1	1: Almost never	297	32.53

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						2	2: Sometimes	176	19.28
						3	Fairly often	42	4.60
						4	Very often	19	2.08
DISTRUST01_TAKE_ORDER	I have had to take order from someone who did not know as much as I did	Num	YESNOF	8	0.44	–	Missing	13	1.42
						0	0: No	504	55.20
						1	1: Yes	396	43.37
DISTRUST02_EXG_ MISFORTUNE	I think a great many people exaggerate their misfortune in order to get the sympathy of others	Num	YESNOF	8	0.64	–	Missing	9	0.99
						0	0: No	324	35.49
						1	1: Yes	580	63.53
DISTRUST03_CONVINCE	It takes a lot of argument to convince most people of the truth	Num	YESNOF	8	0.54	–	Missing	9	0.99
						0	0: No	414	45.35
						1	1: Yes	490	53.67
DISTRUST04_LIE	I think most people would lie to get ahead	Num	YESNOF	8	0.65	–	Missing	13	1.42
						0	0: No	317	34.72
						1	1: Yes	583	63.86
DISTRUST05_FEAR_CAUGHT	Most people are honest chiefly through fear of being caught	Num	YESNOF	8	0.59	–	Missing	13	1.42
						0	0: No	370	40.53
						1	1: Yes	530	58.05
DISTRUST06_UNFAIR_GAIN	Most people will use somewhat unfair means to gain profit or an advantage rather than lose it	Num	YESNOF	8	0.67	–	Missing	10	1.10
						0	0: No	302	33.08
						1	1: Yes	601	65.83
DISTRUST07_NO_CARES	No one cares much what happens to you	Num	YESNOF	8	0.21	–	Missing	10	1.10
						0	0: No	710	77.77
						1	1: Yes	193	21.14
DISTRUST08_TRUST_NOBODY	It is safer to trust nobody	Num	YESNOF	8	0.22	–	Missing	10	1.10
						0	0: No	703	77.00
						1	1: Yes	200	21.91

Codebook for jhssleepdata_clean

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
DISTRUST09_FRIEND_USE	Most people make friends because friends are likely to be useful to them	Num	YESNOF	8	0.51	-	Missing	10	1.10
						0	0: No	445	48.74
						1	1: Yes	458	50.16
DISTRUST10_DISLIKE_HELP	Most people inwardly dislike putting themselves out to help other people	Num	YESNOF	8	0.43	-	Missing	10	1.10
						0	0: No	519	56.85
						1	1: Yes	384	42.06
DISTRUST11_EXPERTS_NOBETTER	I have often met people who were supposed to be experts who were no better than I	Num	YESNOF	8	0.71	-	Missing	9	0.99
						0	0: No	259	28.37
						1	1: Yes	645	70.65
DISTRUST12_DEMAND_RESPECT	People generally demand more respect for their own rights than they are willing to allow for others	Num	YESNOF	8	0.78	-	Missing	10	1.10
						0	0: No	196	21.47
						1	1: Yes	707	77.44
DISTRUST13_GUILTY_SEX	A large number of people are guilty of bad sexual conduct	Num	YESNOF	8	0.47	-	Missing	13	1.42
						0	0: No	474	51.92
						1	1: Yes	426	46.66
DISTRUST14_DISAPPOINT	People often disappoint me	Num	YESNOF	8	0.32	-	Missing	10	1.10
						0	0: No	610	66.81
						1	1: Yes	293	32.09
DISTRUST15_WRONG_PAYBACK	When someone does me wrong, I feel I should pay him back if I can, just for the principle of the thing	Num	YESNOF	8	0.10	-	Missing	11	1.20
						0	0: No	808	88.50
						1	1: Yes	94	10.30
DISTRUST16_IMPATIENT_ASK	It makes me impatient to have people ask my advice or otherwise interrupt me when I am working on something important	Num	YESNOF	8	0.26	-	Missing	10	1.10
						0	0: No	666	72.95
						1	1: Yes	237	25.96

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
DISTRUST17_FAMILY_BOTHER	Some of my family have habits that bother and annoy me very much	Num	YESNOF	8	0.64	-	Missing	10	1.10
						0	0: No	327	35.82
						1	1: Yes	576	63.09
DISTRUST18_BEFRIEND_ WRONG	I can be friendly with people who do things which I consider wrong	Num	YESNOF	8	0.79	-	Missing	11	1.20
						0	0: No	191	20.92
						1	1: Yes	711	77.88
DISTRUST19_BLAME_GRAB	I do not blame anyone for trying to grab everything he can in the world	Num	YESNOF	8	0.38	-	Missing	10	1.10
						0	0: No	561	61.45
						1	1: Yes	342	37.46
DISTRUST20_BLAME_ ADVANTAGE	I do not blame a person for taking advantage of someone who lays himself open to it	Num	YESNOF	8	0.09	-	Missing	9	0.99
						0	0: No	821	89.92
						1	1: Yes	83	9.09
DISTRUST21_EASY_ANGERED	I was bothered by things that usually don't bother me	Num	YESNOF	8	0.80	-	Missing	10	1.10
						0	0: No	179	19.61
						1	1: Yes	724	79.30
DISTRUST22_BEATING_CROOK	I would certainly enjoy beating a crook at his own game	Num	YESNOF	8	0.49	-	Missing	13	1.42
						0	0: No	457	50.05
						1	1: Yes	443	48.52
DISTRUST23_ROUGH_RUDE	I have at times had to be rough with people who were rude or annoying	Num	YESNOF	8	0.70	-	Missing	10	1.10
						0	0: No	270	29.57
						1	1: Yes	633	69.33
DISTRUST24_PLEASED_ CATCHING	There are certain people whom I dislike so much that I am inwardly pleased when they are catching it for something they have done	Num	YESNOF	8	0.18	-	Missing	9	0.99
						0	0: No	743	81.38
						1	1: Yes	161	17.63
DISTRUST25_WIN_OPPOSED	I am often inclined to go out of my way to win a point with someone who has opposed me	Num	YESNOF	8	0.24	-	Missing	9	0.99

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						0	0: No	686	75.14
						1	1: Yes	218	23.88
DISTRUST26_COVER_PITY	I do not try to cover up my poor opinion or pity of a person so that he won't know how I feel	Num	YESNOF	8	0.32	–	Missing	11	1.20
						0	0: No	616	67.47
						1	1: Yes	286	31.33
DISTRUST27_DEFEND_RULE	I strongly defend my own opinions as a rule	Num	YESNOF	8	0.72	–	Missing	12	1.31
						0	0: No	249	27.27
						1	1: Yes	652	71.41
CESD01_BOTHERED	I was bothered by things that usually don't bother me	Num	CESDF	8	0.50	–	Missing	10	1.10
						0	0: Rarely or none of the time (less than 1 day)	589	64.51
						1	1: Some or a little of the time (1-2 days)	194	21.25
						2	2: Occasionally or moderate amount of the time (3-4 days)	102	11.17
						3	3: Most or all of the time (5-7 days)	18	1.97
CESD02_APPETITE	I did not feel like eating, my appetite was poor	Num	CESDF	8	0.38	–	Missing	9	0.99
						0	0: Rarely or none of the time (less than 1 day)	670	73.38
						1	1: Some or a little of the time (1-2 days)	146	15.99
						2	2: Occasionally or moderate amount of the time (3-4 days)	68	7.45
						3	3: Most or all of the time (5-7 days)	20	2.19
CESD03_BLUES	I felt that I could not shake off the blues even with help from my friends	Num	CESDF	8	0.35	–	Missing	9	0.99
						0	0: Rarely or none of the time (less than 1 day)	680	74.48
						1	1: Some or a little of the time (1-2 days)	146	15.99
						2	2: Occasionally or moderate amount of the time (3-4 days)	63	6.90
						3	3: Most or all of the time (5-7 days)	15	1.64

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
CESD04_FELT_GOOD	I felt that I was just as good as other people	Num	CESDF	8	2.44	–	Missing	11	1.20
						0	0: Rarely or none of the time (less than 1 day)	79	8.65
						1	1: Some or a little of the time (1-2 days)	65	7.12
						2	2: Occasionally or moderate amount of the time (3-4 days)	139	15.22
						3	3: Most or all of the time (5-7 days)	619	67.80
CESD05_TROUBLE_CONCENTRATION	I had trouble keeping my mind on what I was doing	Num	CESDF	8	0.56	–	Missing	9	0.99
						0	0: Rarely or none of the time (less than 1 day)	540	59.15
						1	1: Some or a little of the time (1-2 days)	245	26.83
						2	2: Occasionally or moderate amount of the time (3-4 days)	95	10.41
						3	3: Most or all of the time (5-7 days)	24	2.63
CESD06_DEPRESSED	I felt depressed	Num	CESDF	8	0.38	–	Missing	9	0.99
						0	0: Rarely or none of the time (less than 1 day)	656	71.85
						1	1: Some or a little of the time (1-2 days)	171	18.73
						2	2: Occasionally or moderate amount of the time (3-4 days)	60	6.57
						3	3: Most or all of the time (5-7 days)	17	1.86
CESD07_EFFORT	I felt that everything I did was an effort	Num	CESDF	8	0.80	–	Missing	9	0.99
						0	0: Rarely or none of the time (less than 1 day)	494	54.11
						1	1: Some or a little of the time (1-2 days)	200	21.91
						2	2: Occasionally or moderate amount of the time (3-4 days)	111	12.16
						3	3: Most or all of the time (5-7 days)	99	10.84
CESD08_HOPEFUL_FUTURE	I felt hopeful about the future	Num	CESDF	8	2.42	–	Missing	9	0.99
						0	0: Rarely or none of the time (less than 1 day)	77	8.43
						1	1: Some or a little of the time (1-2 days)	73	8.00

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						2	2: Occasionally or moderate amount of the time (3-4 days)	148	16.21
						3	3: Most or all of the time (5-7 days)	606	66.37
CESD09_LIFE_FAILURE	I thought my life had been a failure	Num	CESDF	8	0.15	–	Missing	10	1.10
						0	0: Rarely or none of the time (less than 1 day)	808	88.50
						1	1: Some or a little of the time (1-2 days)	64	7.01
						2	2: Occasionally or moderate amount of the time (3-4 days)	23	2.52
						3	3: Most or all of the time (5-7 days)	8	0.88
CESD10_FEARFUL	I felt fearful	Num	CESDF	8	0.27	–	Missing	9	0.99
						0	0: Rarely or none of the time (less than 1 day)	719	78.75
						1	1: Some or a little of the time (1-2 days)	139	15.22
						2	2: Occasionally or moderate amount of the time (3-4 days)	32	3.50
						3	3: Most or all of the time (5-7 days)	14	1.53
CESD11_SLEEP_RESTLESS	My sleep was restless	Num	CESDF	8	0.79	–	Missing	9	0.99
						0	0: Rarely or none of the time (less than 1 day)	461	50.49
						1	1: Some or a little of the time (1-2 days)	248	27.16
						2	2: Occasionally or moderate amount of the time (3-4 days)	121	13.25
						3	3: Most or all of the time (5-7 days)	74	8.11
CESD12_HAPPY	I was happy	Num	CESDF	8	2.51	–	Missing	11	1.20
						0	0: Rarely or none of the time (less than 1 day)	39	4.27
						1	1: Some or a little of the time (1-2 days)	64	7.01
						2	2: Occasionally or moderate amount of the time (3-4 days)	197	21.58
						3	3: Most or all of the time (5-7 days)	602	65.94
CESD13_TALKED_LESS	I talked less than usual	Num	CESDF	8	0.64	–	Missing	11	1.20

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						0	0: Rarely or none of the time (less than 1 day)	525	57.50
						1	1: Some or a little of the time (1-2 days)	212	23.22
						2	2: Occasionally or moderate amount of the time (3-4 days)	129	14.13
						3	3: Most or all of the time (5-7 days)	36	3.94
CESD14_LONELY	I felt lonely	Num	CESDF	8	0.40	-	Missing	11	1.20
						0	0: Rarely or none of the time (less than 1 day)	651	71.30
						1	1: Some or a little of the time (1-2 days)	165	18.07
						2	2: Occasionally or moderate amount of the time (3-4 days)	58	6.35
						3	3: Most or all of the time (5-7 days)	28	3.07
CESD15_UNFRIENDLY	People were unfriendly	Num	CESDF	8	0.37	-	Missing	12	1.31
						0	0: Rarely or none of the time (less than 1 day)	650	71.19
						1	1: Some or a little of the time (1-2 days)	186	20.37
						2	2: Occasionally or moderate amount of the time (3-4 days)	52	5.70
						3	3: Most or all of the time (5-7 days)	13	1.42
CESD16_ENJOYED_LIFE	I enjoyed life	Num	CESDF	8	2.64	-	Missing	11	1.20
						0	0: Rarely or none of the time (less than 1 day)	39	4.27
						1	1: Some or a little of the time (1-2 days)	41	4.49
						2	2: Occasionally or moderate amount of the time (3-4 days)	130	14.24
						3	3: Most or all of the time (5-7 days)	692	75.79
CESD17_CRYING	I had crying spells	Num	CESDF	8	0.18	-	Missing	11	1.20
						0	0: Rarely or none of the time (less than 1 day)	789	86.42
						1	1: Some or a little of the time (1-2 days)	77	8.43
						2	2: Occasionally or moderate amount of the time (3-4 days)	22	2.41
						3	3: Most or all of the time (5-7 days)	14	1.53

Codebook for jhssleepdata_clean

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
CESD18_SAD	I felt sad	Num	CESDF	8	0.35	-	Missing	12	1.31
						0	0: Rarely or none of the time (less than 1 day)	650	71.19
						1	1: Some or a little of the time (1-2 days)	197	21.58
						2	2: Occasionally or moderate amount of the time (3-4 days)	44	4.82
						3	3: Most or all of the time (5-7 days)	10	1.10
CESD19_DISLIKED_ME	I felt that people disliked me	Num	CESDF	8	0.20	-	Missing	11	1.20
						0	0: Rarely or none of the time (less than 1 day)	760	83.24
						1	1: Some or a little of the time (1-2 days)	111	12.16
						2	2: Occasionally or moderate amount of the time (3-4 days)	20	2.19
						3	3: Most or all of the time (5-7 days)	11	1.20
CESD20_NOT_GET_GOING	I could not get going	Num	CESDF	8	0.33	-	Missing	11	1.20
						0	0: Rarely or none of the time (less than 1 day)	670	73.38
						1	1: Some or a little of the time (1-2 days)	176	19.28
						2	2: Occasionally or moderate amount of the time (3-4 days)	44	4.82
						3	3: Most or all of the time (5-7 days)	12	1.31
ANXIETY01_PLEASANT	I feel pleasant	Num	ANXIETYF	8	3.57	-	Missing	13	1.42
						1	1: Almost never	16	1.75
						2	2: Sometimes	57	6.24
						3	3: Often	224	24.53
						4	4: Almost always	603	66.05
ANXIETY02_NERVOUS	I feel nervous and restless	Num	ANXIETYF	8	1.41	-	Missing	11	1.20
						1	1: Almost never	579	63.42
						2	2: Sometimes	284	31.11
						3	3: Often	28	3.07
						4	4: Almost always	11	1.20
ANXIETY03_SATISFIED	I feel satisfied with myself	Num	ANXIETYF	8	3.40	-	Missing	12	1.31
						1	1: Almost never	21	2.30

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						2	2: Sometimes	101	11.06
						3	3: Often	274	30.01
						4	4: Almost always	505	55.31
ANXIETY04_HAPPY_AS_OTHERS	I wish I could be as happy as others seem to be	Num	ANXIETYF	8	1.79	–	Missing	13	1.42
						1	1: Almost never	475	52.03
						2	2: Sometimes	229	25.08
						3	3: Often	104	11.39
						4	4: Almost always	92	10.08
ANXIETY05_FAILURE	I feel like a failure	Num	ANXIETYF	8	1.13	–	Missing	11	1.20
						1	1: Almost never	807	88.39
						2	2: Sometimes	77	8.43
						3	3: Often	13	1.42
						4	4: Almost always	5	0.55
ANXIETY06_RESTED	I feel rested	Num	ANXIETYF	8	2.91	–	Missing	11	1.20
						1	1: Almost never	78	8.54
						2	2: Sometimes	221	24.21
						3	3: Often	305	33.41
						4	4: Almost always	298	32.64
ANXIETY07_CALM_COOL	I am calm, cool, and collected	Num	ANXIETYF	8	3.31	–	Missing	12	1.31
						1	1: Almost never	13	1.42
						2	2: Sometimes	126	13.80
						3	3: Often	331	36.25
						4	4: Almost always	431	47.21
ANXIETY08_OVERCOME_DIFFICULTIES	I feel that difficulties are piling up so that I cannot overcome them	Num	ANXIETYF	8	1.34	–	Missing	11	1.20
						1	1: Almost never	658	72.07
						2	2: Sometimes	194	21.25
						3	3: Often	34	3.72
						4	4: Almost always	16	1.75
ANXIETY09_WORRY	I worry too much over something that really doesnt matter	Num	ANXIETYF	8	1.53	–	Missing	12	1.31
						1	1: Almost never	555	60.79
						2	2: Sometimes	258	28.26
						3	3: Often	48	5.26
						4	4: Almost always	40	4.38

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
ANXIETY10_HAPPY	I am happy	Num	ANXIETYF	8	3.54	–	Missing	12	1.31
						1	1: Almost never	13	1.42
						2	2: Sometimes	87	9.53
						3	3: Often	200	21.91
						4	4: Almost always	601	65.83
ANXIETY11_DISTURB_ THOUGHTS	I have disturbing thoughts	Num	ANXIETYF	8	1.39	–	Missing	11	1.20
						1	1: Almost never	613	67.14
						2	2: Sometimes	236	25.85
						3	3: Often	39	4.27
						4	4: Almost always	14	1.53
ANXIETY12_SELF_ CONFIDENCE	I lack self-confidence	Num	ANXIETYF	8	1.34	–	Missing	11	1.20
						1	1: Almost never	674	73.82
						2	2: Sometimes	178	19.50
						3	3: Often	19	2.08
						4	4: Almost always	31	3.40
ANXIETY13_SECURE	I feel secure	Num	ANXIETYF	8	3.43	–	Missing	11	1.20
						1	1: Almost never	26	2.85
						2	2: Sometimes	97	10.62
						3	3: Often	246	26.94
						4	4: Almost always	533	58.38
ANXIETY14_DECISIONS	I make decisions easily	Num	ANXIETYF	8	3.00	–	Missing	14	1.53
						1	1: Almost never	40	4.38
						2	2: Sometimes	226	24.75
						3	3: Often	323	35.38
						4	4: Almost always	310	33.95
ANXIETY15_INADEQUATE	I feel inadequate	Num	ANXIETYF	8	1.29	–	Missing	12	1.31
						1	1: Almost never	699	76.56
						2	2: Sometimes	156	17.09
						3	3: Often	34	3.72
						4	4: Almost always	12	1.31
ANXIETY16_CONTENT	I am content	Num	ANXIETYF	8	3.35	–	Missing	13	1.42
						1	1: Almost never	27	2.96
						2	2: Sometimes	103	11.28

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						3	3: Often	296	32.42
						4	4: Almost always	474	51.92
ANXIETY17_UNIMPORTANT_ THOUGHTS	Some unimportant thought runs through my mind and bothers me	Num	ANXIETYF	8	1.54	–	Missing	13	1.42
						1	1: Almost never	510	55.86
						2	2: Sometimes	316	34.61
						3	3: Often	52	5.70
						4	4: Almost always	22	2.41
ANXIETY18_ DISAPPOINTMENTS	I take disappointments so keenly that I cant put them out of my mind	Num	ANXIETYF	8	1.52	–	Missing	14	1.53
						1	1: Almost never	566	61.99
						2	2: Sometimes	236	25.85
						3	3: Often	61	6.68
						4	4: Almost always	36	3.94
ANXIETY19_STEADY	I am a steady person	Num	ANXIETYF	8	3.43	–	Missing	12	1.31
						1	1: Almost never	21	2.30
						2	2: Sometimes	81	8.87
						3	3: Often	290	31.76
						4	4: Almost always	509	55.75
ANXIETY20_TENSION_ TURMOIL	I get in a state of tension or turmoil as I think over my recent concerns and interests	Num	ANXIETYF	8	1.42	–	Missing	12	1.31
						1	1: Almost never	618	67.69
						2	2: Sometimes	208	22.78
						3	3: Often	51	5.59
						4	4: Almost always	24	2.63
SMOKE_CIG_NOW	Do you smoke cigarettes?	Num	YESNOF	8	0.08	–	Missing	9	0.99
						0	0: No	828	90.69
						1	1: Yes	76	8.32
NUM_CIG_SMOKE	How many cigarettes do you smoke per day?	Num		8	0.72	0.00~30.00		899	98.47
EVER_SMOKE_CIG	Have you ever smoked cigarettes?	Num	YESNOF	8	0.29	–	Missing	144	15.77
						0	0: No	543	59.47
						1	1: Yes	226	24.75
TIME_SINCE_SMOKED	How long has it been since you smoked cigarettes?	Char	$	500					

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Organization of file: One Record per Participant (PPTID)

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
USE_OTHER_TOBACCO_PROD	Have you ever used any other tobacco products regularly, that is cigars or cigarillos, pipes, chewing tobacco, or snuff/dip?	Num	YESNOF	8	0.05	-	Missing	71	7.78
						0	0: No	803	87.95
						1	1: Yes	39	4.27
TIME_SINCE_OTHER_USE	How long has it been since you used non-cigarette tobacco?	Char	$	500					
TOBACCO_USE_FORM	In what form or name of tobacco (other than cigarettes) did you use?	Char	$	500					
DRINK_ALCOHOL_NOW	Do you drink alcohol?	Num	YESNOF	8	0.34	-	Missing	14	1.53
						0	0: No	591	64.73
						1	1: Yes	308	33.73
DRINK_ALCOHOL_RATE	How do you rate yourself in drinking alcohol?	Num	DRINK_ ALCOHOL_RATEF	8	1.96	-	Missing	656	71.85
						1	1: Rarely or none of the time (only on special occasions)	119	13.03
						2	2: Some or little of the time (twice a month)	46	5.04
						3	3: Occasionally or moderate amount of the time (4-5 times a month)	75	8.21
						4	4: Most or all of the time (5-7 days)	17	1.86
ALCOHOL_USE_PER_WEEK	How many alcoholic beverages do you usually consume per week?	Char		32					
R_PSS04_CONFIDENT_HANDLE	Reversely scored pss04_confident_handle	Num	REPSSF	8	0.73	-	Missing	10	1.10
						0	0: Very Often	492	53.89
						1	1: Fairly Often	229	25.08
						2	2: Sometimes	129	14.13
						3	3: Almost Never	36	3.94
						4	4: Never	17	1.86
R_PSS05_THINGS_YOURWAY	Reversely scored pss05_things_yourway	Num	REPSSF	8	1.21	-	Missing	10	1.10
						0	0: Very Often	248	27.16
						1	1: Fairly Often	306	33.52
						2	2: Sometimes	285	31.22
						3	3: Almost Never	41	4.49

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						4	4: Never	23	2.52
R_PSS07_CONTROL_ IRRITATIONS	Reversely scored pss07_control_irritations	Num	REPSSF	8	1.06	–	Missing	12	1.31
						0	0: Very Often	334	36.58
						1	1: Fairly Often	298	32.64
						2	2: Sometimes	190	20.81
						3	3: Almost Never	37	4.05
						4	4: Never	42	4.60
R_PSS08_TOP_THINGS	Reversely scored pss08_top_things	Num	REPSSF	8	1.01	–	Missing	17	1.86
						0	0: Very Often	319	34.94
						1	1: Fairly Often	322	35.27
						2	2: Sometimes	203	22.23
						3	3: Almost Never	29	3.18
						4	4: Never	23	2.52
PSS10_NMISS	Number of missing items in perceived stress scale	Num		8	0.14	0.00~10.00		913	100.00
PSS10_TOTAL	Total score of 10-item perceived stress scale (computed while including missing items) (range 0-40)	Num		8	11.22	0.00~38.00		903	98.90
PSS10_TOTAL_NOMISS	Total score of 10-item perceived stress scale (computed only for participants without any missing items) (range 0-40)	Num		8	11.23	0.00~38.00		883	96.71
R_CESD04_FELT_GOOD	Reversely scored cesd04_felt_good	Num	RECESDF	8	0.56	–	Missing	11	1.20
						0	0: Most or all of the time (5-7 days)	619	67.80
						1	1: Occasionally or moderate amount of the time (3-4 days)	139	15.22
						2	2: Some or a little of the time (1-2 days)	65	7.12
						3	3: Rarely or none of the time (less than 1 day)	79	8.65
R_CESD08_HOPEFUL_FUTURE	Reversely scored cesd08_hopeful_future	Num	RECESDF	8	0.58	–	Missing	9	0.99
						0	0: Most or all of the time (5-7 days)	606	66.37
						1	1: Occasionally or moderate amount of the time (3-4 days)	148	16.21

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						2	2: Some or a little of the time (1-2 days)	73	8.00
						3	3: Rarely or none of the time (less than 1 day)	77	8.43
R_CESD12_HAPPY	Reversely scored cesd12_happy	Num	RECESDF	8	0.49	–	Missing	11	1.20
						0	0: Most or all of the time (5-7 days)	602	65.94
						1	1: Occasionally or moderate amount of the time (3-4 days)	197	21.58
						2	2: Some or a little of the time (1-2 days)	64	7.01
						3	3: Rarely or none of the time (less than 1 day)	39	4.27
R_CESD16_ENJOYED_LIFE	Reversely scored cesd16_enjoyed_life	Num	RECESDF	8	0.36	–	Missing	11	1.20
						0	0: Most or all of the time (5-7 days)	692	75.79
						1	1: Occasionally or moderate amount of the time (3-4 days)	130	14.24
						2	2: Some or a little of the time (1-2 days)	41	4.49
						3	3: Rarely or none of the time (less than 1 day)	39	4.27
CESD20_NMISS	Number of missing items in CESD-20 scale	Num		8	0.22	0.00~20.00		913	100.00
CESD20_TOTAL	Total score of CESD-20 scale (computed while including missing items) (range 0-60)	Num		8	8.63	0.00~49.00		904	99.01
CESD20_TOTAL_NOMISS	Total score of CESD-20 scale (computed only for participants without any missing items) (range 0-60)	Num		8	8.59	0.00~49.00		897	98.25
CESD20_NOSLEEP_NMISS	Numer of mssing items in CESD-20 scale (excluding one item that asks about sleep)	Num		8	0.24	0.00~21.00		913	100.00
CESD20_NOSLEEP_TOTAL	Total score of CESD-20 scale (excluding one item that asks about sleep) (computed while including missing items) (range 0-57)	Num		8	7.85	0.00~47.00		904	99.01
CESD20_NOSLEEP_TOTAL_NOMISS	Total score of CESD-20 scale (excluding one item that asks about sleep) (computed only for participants without any missing items) (range 0-57)	Num		8	7.81	0.00~47.00		897	98.25

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
R_ANXIETY01_PLEASANT	Reversely scored anxiety01_pleasant	Num	REANXIETYF	8	1.43	–	Missing	13	1.42
						1	1: Almost Always	603	66.05
						2	2: Oftens	224	24.53
						3	3: Sometimes	57	6.24
						4	4: Almost Never	16	1.75
R_ANXIETY03_SATISFIED	Reversely scored anxiety03_satisfied	Num	REANXIETYF	8	1.60	–	Missing	12	1.31
						1	1: Almost Always	505	55.31
						2	2: Oftens	274	30.01
						3	3: Sometimes	101	11.06
						4	4: Almost Never	21	2.30
R_ANXIETY06_RESTED	Reversely scored anxiety06_rested	Num	REANXIETYF	8	2.09	–	Missing	11	1.20
						1	1: Almost Always	298	32.64
						2	2: Oftens	305	33.41
						3	3: Sometimes	221	24.21
						4	4: Almost Never	78	8.54
R_ANXIETY07_CALM_COOL	Reversely scored anxiety07_calm_cool	Num	REANXIETYF	8	1.69	–	Missing	12	1.31
						1	1: Almost Always	431	47.21
						2	2: Oftens	331	36.25
						3	3: Sometimes	126	13.80
						4	4: Almost Never	13	1.42
R_ANXIETY10_HAPPY	Reversely scored anxiety10_happy	Num	REANXIETYF	8	1.46	–	Missing	12	1.31
						1	1: Almost Always	601	65.83
						2	2: Oftens	200	21.91
						3	3: Sometimes	87	9.53
						4	4: Almost Never	13	1.42
R_ANXIETY13_SECURE	Reversely scored anxiety13_secure	Num	REANXIETYF	8	1.57	–	Missing	11	1.20
						1	1: Almost Always	533	58.38
						2	2: Oftens	246	26.94
						3	3: Sometimes	97	10.62
						4	4: Almost Never	26	2.85
R_ANXIETY14_DECISIONS	Reversely scored anxiety14_decisions	Num	REANXIETYF	8	2.00	–	Missing	14	1.53
						1	1: Almost Always	310	33.95
						2	2: Oftens	323	35.38

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						3	3: Sometimes	226	24.75
						4	4: Almost Never	40	4.38
R_ANXIETY16_CONTENT	Reversely scored anxiety16_content	Num	REANXIETYF	8	1.65	–	Missing	13	1.42
						1	1: Almost Always	474	51.92
						2	2: Oftens	296	32.42
						3	3: Sometimes	103	11.28
						4	4: Almost Never	27	2.96
R_ANXIETY19_STEADY	Reversely scored anxiety19_steady	Num	REANXIETYF	8	1.57	–	Missing	12	1.31
						1	1: Almost Always	509	55.75
						2	2: Oftens	290	31.76
						3	3: Sometimes	81	8.87
						4	4: Almost Never	21	2.30
ANXIETY20_NMISS	Number of missing items in Trait-Anxiety Inventory	Num		8	0.26	0.00~20.00		913	100.00
ANXIETY20_TOTAL	Total score of Trait-Anxiety Inventory (computed while including missing items) (range 0-80)	Num		8	30.70	9.00~63.00		903	98.90
ANXIETY20_TOTAL_NOMISS	Total score of Trait-Anxiety Inventory (computed only for participants without any missing items) (range 20-80)	Num		8	30.73	20.00~63.00		886	97.04
FELT_UNRESTED	Felt unrested during the day, no matter how many hours of sleep you had	Num	NEVER_ALWAYSF	8	1.30	–	Missing	12	1.31
						0	0: Never	329	36.04
						1	1: Rarely (once a month or less)	155	16.98
						2	2: Sometimes (2-4 times a month)	272	29.79
						3	3: Often (5-15 times a month)	108	11.83
						4	4: Almost always (16-30 times a month)	37	4.05
FELT_OVERLY_SLEEPY	Felt excessively (overly) sleepy during the day	Num	NEVER_ALWAYSF	8	0.67	–	Missing	12	1.31
						0	0: Never	592	64.84
						1	1: Rarely (once a month or less)	93	10.19
						2	2: Sometimes (2-4 times a month)	149	16.32
						3	3: Often (5-15 times a month)	53	5.81
						4	4: Almost always (16-30 times a month)	14	1.53

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
NOT_ENOUGH_SLEEP	Did not get enough sleep	Num	NEVER_ALWAYSF	8	1.71	–	Missing	16	1.75
						0	0: Never	142	15.55
						1	1: Rarely (once a month or less)	89	9.75
						2	2: Sometimes (2-4 times a month)	582	63.75
						3	3: Often (5-15 times a month)	55	6.02
						4	4: Almost always (16-30 times a month)	29	3.18
AWAKENED_COUGHING	How often, on average in the last 4 weeks, have you been awakened with coughing or wheezing?	Num	NEVER_ALWAYSF	8	0.64	–	Missing	15	1.64
						0	0: Never	593	64.95
						1	1: Rarely (once a month or less)	106	11.61
						2	2: Sometimes (2-4 times a month)	146	15.99
						3	3: Often (5-15 times a month)	38	4.16
						4	4: Almost always (16-30 times a month)	15	1.64
AWAKENED_CHEST_PAIN	How often, on average in the last 4 weeks, have you been awakened with chest pain or tightness?	Num	NEVER_ALWAYSF	8	0.15	–	Missing	13	1.42
						0	0: Never	813	89.05
						1	1: Rarely (once a month or less)	44	4.82
						2	2: Sometimes (2-4 times a month)	38	4.16
						3	3: Often (5-15 times a month)	3	0.33
						4	4: Almost always (16-30 times a month)	2	0.22
AWAKENED_SHORTNESS_ BREATH	How often, on average in the last 4 weeks, have you been awakened with shortness of breath?	Num	NEVER_ALWAYSF	8	0.23	–	Missing	13	1.42
						0	0: Never	784	85.87
						1	1: Rarely (once a month or less)	47	5.15
						2	2: Sometimes (2-4 times a month)	48	5.26
						3	3: Often (5-15 times a month)	18	1.97
						4	4: Almost always (16-30 times a month)	3	0.33
AWAKENED_SWEATS	How often, on average in the last 4 weeks, have you been awakened with sweats or hot flashes?	Num	NEVER_ALWAYSF	8	0.96	–	Missing	13	1.42
						0	0: Never	541	59.26
						1	1: Rarely (once a month or less)	53	5.81
						2	2: Sometimes (2-4 times a month)	160	17.52
						3	3: Often (5-15 times a month)	91	9.97

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						4	4: Almost always (16-30 times a month)	55	6.02
AWAKENED_NOISE	How often, on average in the last 4 weeks, have you been awakened with noise in your surroundings?	Num	NEVER_ALWAYSF	8	0.68	–	Missing	13	1.42
						0	0: Never	590	64.62
						1	1: Rarely (once a month or less)	89	9.75
						2	2: Sometimes (2-4 times a month)	158	17.31
						3	3: Often (5-15 times a month)	45	4.93
						4	4: Almost always (16-30 times a month)	18	1.97
AWAKENED_PAIN	How often, on average in the last 4 weeks, have you been awakened with pain in your joints, muscles, or back?	Num	NEVER_ALWAYSF	8	1.30	–	Missing	14	1.53
						0	0: Never	406	44.47
						1	1: Rarely (once a month or less)	80	8.76
						2	2: Sometimes (2-4 times a month)	226	24.75
						3	3: Often (5-15 times a month)	110	12.05
						4	4: Almost always (16-30 times a month)	77	8.43
AWAKENED_HEARTBURN	How often, on average in the last 4 weeks, have you been awakened with heartburn or indigestion?	Num	NEVER_ALWAYSF	8	0.59	–	Missing	14	1.53
						0	0: Never	615	67.36
						1	1: Rarely (once a month or less)	96	10.51
						2	2: Sometimes (2-4 times a month)	141	15.44
						3	3: Often (5-15 times a month)	40	4.38
						4	4: Almost always (16-30 times a month)	7	0.77
AWAKENED_LEG_CRAMPS	How often, on average in the last 4 weeks, have you been awakened with leg cramps or leg jerks?	Num	NEVER_ALWAYSF	8	0.88	–	Missing	16	1.75
						0	0: Never	502	54.98
						1	1: Rarely (once a month or less)	115	12.60
						2	2: Sometimes (2-4 times a month)	193	21.14
						3	3: Often (5-15 times a month)	62	6.79
						4	4: Almost always (16-30 times a month)	25	2.74
AWAKENED_BATHROOM	How often, on average in the last 4 weeks, have you been awakened with need to go to the bathroom?	Num	NEVER_ALWAYSF	8	2.77	–	Missing	14	1.53

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						0	0: Never	60	6.57
						1	1: Rarely (once a month or less)	81	8.87
						2	2: Sometimes (2-4 times a month)	209	22.89
						3	3: Often (5-15 times a month)	202	22.12
						4	4: Almost always (16-30 times a month)	347	38.01
WHEEZY_CHEST_WHEN_HAVE_COLD	Does your chest ever sound wheezy or whistling when you have cold?	Num	YESNOF	8	0.39	–	Missing	13	1.42
						0	0: No	547	59.91
						1	1: Yes	353	38.66
WHEEZY_CHEST_OCCASIONALLY	Does your chest ever sound wheezy or whistling occasionally apart from cold?	Num	YESNOF	8	0.12	–	Missing	17	1.86
						0	0: No	788	86.31
						1	1: Yes	108	11.83
WHEEZY_CHEST_MOST_DAYS	Does your chest ever sound wheezy or whistling most days or nights?	Num	YESNOF	8	0.11	–	Missing	17	1.86
						0	0: No	797	87.29
						1	1: Yes	99	10.84
USUALLY_HAVE_COUGH	Do you usually have a cough?	Num	YESNOF	8	0.20	–	Missing	15	1.64
						0	0: No	721	78.97
						1	1: Yes	177	19.39
PAIN_LEGS_WHEN_WALK	Do you get a pain or discomfort in your leg(s) when you walk?	Num	YESNOF	8	0.30	–	Missing	15	1.64
						0	0: No	629	68.89
						1	1: Yes	269	29.46
PAIN_BEGIN_STANDING_STILL	Does this pain ever begin when you are standing still or sitting?	Num	YESNOF	8	0.87	–	Missing	646	70.76
						0	0: No	36	3.94
						1	1: Yes	231	25.30
PAIN_WALK_UPHILL_HURRY	Do you get it if you walk uphill or hurry?	Num	YESNOF	8	0.84	–	Missing	647	70.87
						0	0: No	42	4.60
						1	1: Yes	224	24.53
PAIN_WALK_ORDINARY_PACE	Do you get it if you walk at an ordinary pace on the level?	Num	YESNOF	8	0.79	–	Missing	646	70.76
						0	0: No	55	6.02

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						1	1: Yes	212	23.22
PAIN_CHANGE_STAND_STILL	What happens to it if you stand still?	Num	HEART_LUNG_ LEG_PAINF	8	1.48	–	Missing	660	72.29
						1	1: Usually continues more than 10 minutes	131	14.35
						2	2: Usually disappears in 10 minutes or less	122	13.36
BUTTOCK_PAIN	Where do you get this pain or discomfort? (Buttock)	Num	YESNOF	8	0.04	0	0: No	875	95.84
						1	1: Yes	38	4.16
CALF_PAIN	Where do you get this pain or discomfort? (Calf)	Num	YESNOF	8	0.14	0	0: No	785	85.98
						1	1: Yes	128	14.02
FEET_PAIN	Where do you get this pain or discomfort? (Feet)	Num	YESNOF	8	0.10	0	0: No	820	89.81
						1	1: Yes	93	10.19
HAMSTRINGS_PAIN	Where do you get this pain or discomfort? (Hamstrings)	Num	YESNOF	8	0.02	0	0: No	894	97.92
						1	1: Yes	19	2.08
JOINTS_PAIN	Where do you get this pain or discomfort? (Joints)	Num	YESNOF	8	0.12	0	0: No	803	87.95
						1	1: Yes	110	12.05
RADIATES_CALF_PAIN	Te the last 4 weeks, did you have radiates of your calf or pain?	Num	YESNOF	8	0.04	0	0: No	881	96.50
						1	1: Yes	32	3.50
SHINS_PAIN	Where do you get this pain or discomfort? (Shins)	Num	YESNOF	8	0.03	0	0: No	888	97.26
						1	1: Yes	25	2.74
THIGH_PAIN	Where do you get this pain or discomfort? (Thigh)	Num	YESNOF	8	0.02	0	0: No	893	97.81
						1	1: Yes	20	2.19
SWELLING_FEET_ANKLES	In the last 4 weeks, did you have swelling of your feet or ankles?	Num	YESNODONTKNOW	8	0.32	–	Missing	135	14.79
						0	0: No	531	58.16
						1	1: Yes	244	26.73
						2	2: Don't know	3	0.33

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SWELLING_GO_DOWN_ OVERNIGHT	Does it tend to come on during the day and go down overnight?	Num	YESNODONTKNOW	8	0.91	–	Missing	670	73.38
						0	0: No	25	2.74
						1	1: Yes	214	23.44
						2	2: Don't know	4	0.44
AWAKENED_NIGHT_TROUBLE_ BREATING	In the last 4 weeks, have you been awakened at night by trouble breathing?	Num	YESNODONTKNOW	8	0.10	–	Missing	144	15.77
						0	0: No	701	76.78
						1	1: Yes	61	6.68
						2	2: Don't know	7	0.77
SLEEP_ON_MORE_PILLOWS	In the last 4 weeks, have you had to sleep on two or more pillows to help you breathe?	Num	YESNODONTKNOW	8	0.13	–	Missing	149	16.32
						0	0: No	667	73.06
						1	1: Yes	94	10.30
						2	2: Don't know	3	0.33
HRT_TYPE	If you were or are taking hormone replacement therapy, which type of therapy was/is it?	Num	HORMONE_TYPEF	8	1.10	–	Missing	44	4.82
						1	1: No hormone	822	90.03
						2	2: Estrogen alone (like Premarin or Estratab)	27	2.96
						3	3: Estrogen with progestin (like Provera)	2	0.22
						4	4: Other types of hormone replacement therapy	18	1.97
HRT_OTHER_TYPE	Please specify other type of hormone replacement therapy	Char	$	500					
AVGSYSTOLIC	Average systolic blood pressure (taken from 2nd/3rd readings on Clinic Vitals Form)	Num	F	8	126.12	81.00~196.50		896	98.14
AVGDIASTOLIC	Average diastolic blood pressure (taken from 2nd/3rd readings on Clinic Vitals Form)	Num	F	8	75.56	41.50~117.50		896	98.14
AVGHEARTRATE	Average heart rate (taken from 2nd/3rd readings on Clinic Vitals Form)	Num	F	8	68.61	34.50~107.50		896	98.14
IMT_SCANDATE	Date of IMT scan	Num	DATETIME	8	1.72237E9	1.67214E9~1.77858E9		876	95.95

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
L_BULB_A_IMT_MIN	Left Bulb Anterior IMT minimun (mm)	Num		8	0.67	0.21~3.40		126	13.80
L_BULB_A_IMT_MAX	Left Bulb Anterior IMT maximum (mm)	Num		8	1.30	0.60~4.20		126	13.80
L_BULB_A_IMT_MEAN	Left Bulb Anterior IMT mean (mm)	Num		8	0.98	0.47~3.86		126	13.80
L_BULB_A_ROI_LENGTH	Left Bulb Anterior Region of Interest (ROI) length (mm)	Num		8	7.25	1.90~10.00		126	13.80
L_BULB_L_IMT_MIN	Left Bulb Lateral IMT minimum (mm)	Num		8	0.72	0.21~2.68		48	5.26
L_BULB_L_IMT_MAX	Left Bulb Lateral IMT maximum (mm)	Num		8	1.41	0.64~4.42		48	5.26
L_BULB_L_IMT_MEAN	Left Bulb Lateral IMT mean (mm)	Num		8	1.04	0.47~3.94		48	5.26
L_BULB_L_ROI_LENGTH	Left Bulb Lateral Region of Interest (ROI) length (mm)	Num		8	6.86	2.50~10.00		48	5.26
L_BULB_P_IMT_MIN	Left Bulb Posterior IMT minimum (mm)	Num		8	0.66	0.22~2.11		473	51.81
L_BULB_P_IMT_MAX	Left Bulb Posterior IMT maximum (mm)	Num		8	1.20	0.57~4.03		473	51.81
L_BULB_P_IMT_MEAN	Left Bulb Posterior IMT mean (mm)	Num		8	0.93	0.43~3.37		473	51.81
L_BULB_P_ROI_LENGTH	Left Bulb Posterior Region of Interest (ROI) length (mm)	Num		8	6.43	1.40~10.00		473	51.81
L_DISTAL_A_IMT_MIN	Left Distal CCA Anterior IMT minimum (mm)	Num		8	0.61	0.16~5.80		803	87.95
L_DISTAL_A_IMT_MAX	Left Distal CCA Anterior IMT maximum (mm)	Num		8	1.05	0.50~6.67		803	87.95
L_DISTAL_A_IMT_MEAN	Left Distal CCA Anterior IMT mean (mm)	Num		8	0.82	0.35~6.29		803	87.95
L_DISTAL_A_ROI_LENGTH	Left Distal CCA Anterior Region of Interest (ROI) length (mm)	Num		8	9.08	2.20~10.00		803	87.95
L_DISTAL_L_IMT_MIN	Left Distal CCA Lateral IMT minimum (mm)	Num		8	0.59	0.16~5.67		808	88.50
L_DISTAL_L_IMT_MAX	Left Distal CCA Lateral IMT maximum (mm)	Num		8	1.04	0.50~7.42		808	88.50
L_DISTAL_L_IMT_MEAN	Left Distal CCA Lateral IMT mean (mm)	Num		8	0.81	0.32~6.63		808	88.50

Codebook for jhssleepdata_clean

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
Number of Variables: 995
Organization of file: One Record per Participant (PPTID)

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
L_DISTAL_L_ROI_LENGTH	Left Distal CCA Lateral Region of Interest (ROI) length (mm)	Num		8	9.10	1.80~10.00		808	88.50
L_DISTAL_P_IMT_MIN	Left Distal Posterior IMT minimum (mm)	Num		8	0.59	0.21~6.94		767	84.01
L_DISTAL_P_IMT_MAX	Left Distal Posterior IMT maximum (mm)	Num		8	1.05	0.50~9.91		767	84.01
L_DISTAL_P_IMT_MEAN	Left Distal Posterior IMT mean (mm)	Num		8	0.81	0.44~8.95		767	84.01
L_DISTAL_P_ROI_LENGTH	Left Distal Posterior Region of Interest (ROI) length (mm)	Num		8	8.68	1.50~10.00		767	84.01
L_ICA_A_IMT_MIN	Left ICA Anterior IMT minimum (mm)	Num		8	0.61	0.21~2.19		107	11.72
L_ICA_A_IMT_MAX	Left ICA Anterior IMT maximum (mm)	Num		8	1.17	0.57~3.49		107	11.72
L_ICA_A_IMT_MEAN	Left ICA Anterior IMT mean (mm)	Num		8	0.90	0.49~2.91		107	11.72
L_ICA_A_ROI_LENGTH	Left ICA Anterior Region of Interest (ROI) length (mm)	Num		8	7.04	1.40~10.00		107	11.72
L_ICA_L_IMT_MIN	Left ICA Lateral IMT minimum (mm)	Num		8	0.67	0.28~1.80		41	4.49
L_ICA_L_IMT_MAX	Left ICA Lateral IMT maximum (mm)	Num		8	1.28	0.63~4.47		41	4.49
L_ICA_L_IMT_MEAN	Left ICA Lateral IMT mean (mm)	Num		8	0.98	0.50~3.47		41	4.49
L_ICA_L_ROI_LENGTH	Left ICA Lateral Region of Interest (ROI) length (mm)	Num		8	6.41	1.80~10.00		41	4.49
L_ICA_P_IMT_MIN	Left ICA Posterior IMT minimum (mm)	Num		8	0.53	0.14~2.05		443	48.52
L_ICA_P_IMT_MAX	Left ICA Posterior IMT maximum (mm)	Num		8	0.99	0.43~2.85		443	48.52
L_ICA_P_IMT_MEAN	Left ICA Posterior IMT mean (mm)	Num		8	0.77	0.31~2.47		443	48.52
L_ICA_P_ROI_LENGTH	Left ICA Posterior Region of Interest (ROI) length (mm)	Num		8	5.85	1.20~10.00		443	48.52
R_BULB_A_IMT_MIN	Right Bulb Anterior IMT minimum (mm)	Num		8	0.70	0.22~2.20		272	29.79
R_BULB_A_IMT_MAX	Right Bulb Anterior IMT maximum (mm)	Num		8	1.40	0.50~5.26		272	29.79
R_BULB_A_IMT_MEAN	Right Bulb Anterior IMT mean (mm)	Num		8	1.05	0.39~3.78		272	29.79

Codebook for jhssleepdata_clean

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
R_BULB_A_ROI_LENGTH	Right Bulb Anterior Region of Interest (ROI) length (mm)	Num		8	7.31	1.80~10.00		272	29.79
R_BULB_L_IMT_MIN	Right Bulb Lateral IMT minimum (mm)	Num		8	0.71	0.36~2.54		62	6.79
R_BULB_L_IMT_MAX	Right Bulb Lateral IMT maximum (mm)	Num		8	1.41	0.64~3.51		62	6.79
R_BULB_L_IMT_MEAN	Right Bulb Lateral IMT mean (mm)	Num		8	1.06	0.50~2.93		62	6.79
R_BULB_L_ROI_LENGTH	Right Bulb Lateral Region of Interest (ROI) length (mm)	Num		8	6.91	2.10~10.10		62	6.79
R_BULB_P_IMT_MIN	Right Bulb Posterior IMT minimum (mm)	Num		8	0.66	0.16~2.90		361	39.54
R_BULB_P_IMT_MAX	Right Bulb Posterior IMT maximum (mm)	Num		8	1.21	0.64~4.81		361	39.54
R_BULB_P_IMT_MEAN	Right Bulb Posterior IMT mean (mm)	Num		8	0.93	0.43~4.07		361	39.54
R_BULB_P_ROI_LENGTH	Right Bulb Posterior Region of Interest (ROI) length (mm)	Num		8	6.76	1.60~10.00		361	39.54
R_DISTAL_A_IMT_MIN	Right Distal CCA Anterior IMT minimum (mm)	Num		8	0.61	0.22~2.74		852	93.32
R_DISTAL_A_IMT_MAX	Right Distal CCA Anterior IMT maximum (mm)	Num		8	1.05	0.50~5.47		852	93.32
R_DISTAL_A_IMT_MEAN	Right Distal CCA Anterior IMT mean (mm)	Num		8	0.82	0.40~4.88		852	93.32
R_DISTAL_A_ROI_LENGTH	Right Distal CCA Anterior Region of Interest (ROI) length (mm)	Num		8	9.08	1.80~10.00		852	93.32
R_DISTAL_L_IMT_MIN	Right Distal Lateral IMT minimum (mm)	Num		8	0.60	0.14~1.89		853	93.43
R_DISTAL_L_IMT_MAX	Right Distal Lateral IMT maximum (mm)	Num		8	1.05	0.50~3.16		853	93.43
R_DISTAL_L_IMT_MEAN	Right Distal Lateral IMT mean (mm)	Num		8	0.82	0.43~2.29		853	93.43
R_DISTAL_L_ROI_LENGTH	Right Distal Lateral Region of Interest (ROI) length (mm)	Num		8	9.38	1.70~10.00		853	93.43
R_DISTAL_P_IMT_MIN	Right Bulb Posterior IMT minimum (mm)	Num		8	0.59	0.21~4.21		832	91.13
R_DISTAL_P_IMT_MAX	Right Bulb Posterior IMT maximun (mm)	Num		8	1.05	0.50~5.61		832	91.13

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
R_DISTAL_P_IMT_MEAN	Right Bulb Posterior IMT mean (mm)	Num		8	0.82	0.35~5.08		832	91.13
R_DISTAL_P_ROI_LENGTH	Right Bulb Posterior Region of Interest (ROI) length (mm)	Num		8	9.01	1.60~10.00		832	91.13
R_ICA_A_IMT_MIN	Right ICA Anterior IMT minimum (mm)	Num		8	0.62	0.21~1.97		255	27.93
R_ICA_A_IMT_MAX	Right ICA Anterior IMT maximum (mm)	Num		8	1.17	0.57~4.98		255	27.93
R_ICA_A_IMT_MEAN	Right ICA Anterior IMT mean (mm)	Num		8	0.90	0.45~3.12		255	27.93
R_ICA_A_ROI_LENGTH	Right ICA Anterior Region of Interest (ROI) length (mm)	Num		8	7.19	2.00~10.00		255	27.93
R_ICA_L_IMT_MIN	Right ICA Lateral IMT minimum (mm)	Num		8	0.61	0.28~1.68		57	6.24
R_ICA_L_IMT_MAX	Right ICA Lateral IMT maximum (mm)	Num		8	1.16	0.58~2.50		57	6.24
R_ICA_L_IMT_MEAN	Right ICA Lateral IMT mean (mm)	Num		8	0.91	0.48~2.17		57	6.24
R_ICA_L_ROI_LENGTH	Right ICA Lateral Region of Interest (ROI) length (mm)	Num		8	6.13	2.30~10.00		57	6.24
R_ICA_P_IMT_MIN	Right ICA Posterior IMT minimum (mm)	Num		8	0.53	0.21~4.41		322	35.27
R_ICA_P_IMT_MAX	Right ICA Posterior IMT maximum (mm)	Num		8	1.01	0.45~6.10		322	35.27
R_ICA_P_IMT_MEAN	Right ICA Posterior IMT mean (mm)	Num		8	0.78	0.38~5.38		322	35.27
R_ICA_P_ROI_LENGTH	Right ICA Posterior Region of Interest (ROI) length (mm)	Num		8	6.31	1.50~10.00		322	35.27
AVG_CCA_IMT_MEAN	Average Distal CCA IMT mean (mm) over two sides and three angles	Num		8	0.81	0.52~5.52		876	95.95
AVG_CCA_IMT_MAX	Average Distal CCA IMT maximum (mm) over two sides and three angles	Num		8	1.05	0.69~6.10		876	95.95
FSTF_FAST_YN	Participant was able to fast	Num	YESNOF	8	0.92	–	Missing	32	3.50
						0	0: No	72	7.89
						1	1: Yes	809	88.61
FSTF_FAST_NO	If no, why?	Num	FSTF_FAST_NO_WHYF	8	2.15	–	Missing	880	96.39
						1	1: Forgot to fast	9	0.99

Codebook for jhssleepdata_clean

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
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Organization of file: One Record per Participant (PPTID)

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						2	2: Cannot fast due to taking insulin or other medication	10	1.10
						3	3: Other	14	1.53
FSTF_OTHER	If other, specify	Char	$	500					
FSTF_NO_FAST_STILL_TAKEN	If the answer is "no" for question 1,	Num	BLOOD_DRAW_ NON_FASTF	8	1.64	-	Missing	891	97.59
						1	1: Blood drawn non-fasting	8	0.88
						2	2: Blood drawn was rescheduled	14	1.53
FSTF_DATE	Date of fasting determination	Num	YYMMDD	8	2014-01-03	2013-01-02~ 2015-09-09		500	54.76
FSTF_TIME	Time of Arrival	Num	TIME	8	8:47	7:00~22:30		878	96.17
FSTF_LAST_FOOD_CONSUMED	When was the last time you ate or drank anything except water? Day last consumed	Num	DAY_CONSUMED_ FOODF	8	1.96	-	Missing	50	5.48
						1	1: Today	40	4.38
						2	2: Yesterday	821	89.92
						3	3: Day before yesterday	2	0.22
FSTF_TIME_LAST_CONSUMED	Time last consumed	Num	TIME	8	14:44	0:00~23:30		873	95.62
FSTF_COMPUTED_FASTING_ TIME	Computed fasting time in hours and minutes	Num	TIME	8	12:43	0:00~23:30		498	54.55
LABID	HbA1c LabCorp ID	Num	F	8	1455.29	1000.00~199 4.00		558	61.12
HBA1C_DATE	HbA1c collection date	Num	YYMMDD	8	2014-12-29	1900-01-05~ 2017-02-16		572	62.65
HBA1C_VALUE	HbA1c value (%)	Num	F	8	5.54	0.50~13.60		879	96.28
COLLECTION_DATE	Collection Date	Num	YYMMDD	8	2014-08-06	2012-10-03~ 2025-02-23		901	98.69
IL_6	Serum IL-6 (pg/ml)	Num	BEST	8	3.00	0.08~12.60		891	97.59
TOTAL_CHOLESTEROL	Serum total cholesterol (mg/dl)	Num	BEST	8	191.32	86.00~371.0 0		901	98.69
GLUCOSE	Serum glucose (mg/dl)	Num	BEST	8	61.27	0.57~369.00		901	98.69
HDL	Serum HDL cholesterol (mg/dl)	Num	BEST	8	39.58	0.52~345.00		901	98.69

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
LDL	Serum LDL cholesterol (mg/dl)	Num	BEST	8	101.15	29.00~361.00		897	98.25
SERUM_CREATININE	Serum creatinine (mg/dl)	Num	BEST	8	77.47	0.49~880.00		899	98.47
TRIGLYCERIDE	Serum triglyceride (mg/dl)	Num	BEST	8	108.71	27.00~1784.00		897	98.25
INSULIN	Serum insulin (uU/ml)	Num	BEST	8	15.16	0.69~281.10		901	98.69
FIBRINOGEN	Serum fibrinogen EDTA (mg/dl)	Num	BEST	8	425.65	197.00~924.00		899	98.47
CRP	Serum hs CRP EDTA (ug/ml)	Num	BEST	8	4.89	0.16~106.00		886	97.04
URINE_ALBUMIN	Urinary albumin (mg/dl)	Num	BEST	8	2.31	0.03~75.98		900	98.58
URINE_CREATININE	Urinary creatinine (mg/dl)	Num	BEST	8	131.05	5.31~536.03		900	98.58
URINE_AC_RATIO	Unrine albumin-to-creatinine ratio (ug/mg)	Num	BEST	8	23.50	0.38~1308.85		900	98.58
SLP_FEEL_UNSAFE	Sometimes my sleep is affected because I feel unsafe at night	Num	AGREEF	8	4.03	–	Missing	648	70.97
						1	1: Strongly agree	6	0.66
						2	2: Agree	22	2.41
						3	3: Unsure	6	0.66
						4	4: Disagree	156	17.09
						5	5: Strongly disagree	75	8.21
SLP_PLACE_COMFY	The place where I sleep is physically comfortable (mattress, pillows, etc.)	Num	AGREEF	8	1.89	–	Missing	649	71.08
						1	1: Strongly agree	65	7.12
						2	2: Agree	180	19.72
						3	3: Unsure	7	0.77
						4	4: Disagree	7	0.77
						5	5: Strongly disagree	5	0.55
SLP_TEMP_COMFY	The place where I sleep is at comfortable temperature	Num	AGREEF	8	1.80	–	Missing	649	71.08
						1	1: Strongly agree	69	7.56
						2	2: Agree	183	20.04
						3	3: Unsure	9	0.99
						4	4: Disagree	2	0.22
						5	5: Strongly disagree	1	0.11

Codebook for jhssleepdata_clean

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
SLP_ROOM_QUIET	Is the room where you sleep quiet at night?	Num	ROOMQUIETF	8	1.46	–	Missing	648	70.97
						1	1: Always	177	19.39
						2	2: Sometimes	53	5.81
						3	3: Never	35	3.83
ROOM_NOISY_PEOPLE	Other people in the house makes it noisy	Num	YESNODONTKNOW	8	0.00	–	Missing	648	70.97
						0	0: No	264	28.92
						1	1: Yes	1	0.11
ROOM_NOISY_NEIGHBORS	Neighbors makes it noisy	Num	YESNODONTKNOW	8	0.02	–	Missing	649	71.08
						0	0: No	260	28.48
						1	1: Yes	4	0.44
ROOM_NOISY_STREET	Noise from the street makes it noisy	Num	YESNODONTKNOW	8	0.02	–	Missing	648	70.97
						0	0: No	260	28.48
						1	1: Yes	5	0.55
ROOM_NOISY_SPECIFY	Specify other things that make it noisy	Char	$	500					
SLP_ROOM_DARK	Is the room where you sleep dark during the night (or day if you work at night)?	Num	YESNODONTKNOW	8	0.62	–	Missing	649	71.08
						0	0: No	100	10.95
						1	1: Yes	164	17.96
SLP_LIGHT_ROOM	Light from other rooms	Num	YESNODONTKNOW	8	0.05	–	Missing	650	71.19
						0	0: No	251	27.49
						1	1: Yes	12	1.31
SLP_LIGHT_STREET	Light from the street	Num	YESNODONTKNOW	8	0.03	–	Missing	650	71.19
						0	0: No	256	28.04
						1	1: Yes	7	0.77
SLP_LIGHT_CHILD	Child won't sleep in the dark	Num	YESNODONTKNOW	8	0.00	–	Missing	651	71.30
						0	0: No	262	28.70
SLP_LIGHT_SPEFICY	Specify other things that make it not dark	Char	$	500					
HAVE_AIR_CONDITIONING	Do you have air conditioning?	Num	YESNOF	8	0.93	–	Missing	648	70.97
						0	0: No	18	1.97

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						1	1: Yes	247	27.05
USE_STOVE_FOR_COOKING	Do you use a gas stove, oven, or heater for cooking?	Num	YESNOF	8	0.92	–	Missing	648	70.97
						0	0: No	22	2.41
						1	1: Yes	243	26.62
USE_STOVE_FOR_HEATING	Do you use a gas stove, oven, or heater for heating your house?	Num	YESNOF	8	0.92	–	Missing	648	70.97
						0	0: No	21	2.30
						1	1: Yes	244	26.73
HOUSEHOLD_TOBACCO_SMOKE	Are you exposed to tobacco smoke from other people in your household?	Num	YESNOF	8	0.13	–	Missing	650	71.19
						0	0: No	230	25.19
						1	1: Yes	33	3.61
TV_BEFORE_SLP	Do you watch TV in the bedroom before sleep?	Num	YESNOF	8	0.79	–	Missing	649	71.08
						0	0: No	56	6.13
						1	1: Yes	208	22.78
RADIO_BEFORE_SLP	Do you listen to radio or music in the bedroom before sleep?	Num	YESNOF	8	0.27	–	Missing	649	71.08
						0	0: No	194	21.25
						1	1: Yes	70	7.67
TECH_BEFORE_SLP	Do you use computer, tablet, or phone in the bedroom before sleep?	Num	YESNOF	8	0.44	–	Missing	649	71.08
						0	0: No	147	16.10
						1	1: Yes	117	12.81
GAMES_BEFORE_SLP	Do you play video games in the bedroom before sleep?	Num	YESNOF	8	0.08	–	Missing	648	70.97
						0	0: No	244	26.73
						1	1: Yes	21	2.30
BOOKS_BEFORE_SLP	Do you read books in the bedroom before sleep?	Num	YESNOF	8	0.57	–	Missing	648	70.97
						0	0: No	114	12.49
						1	1: Yes	151	16.54
EAT_BEFORE_SLP	Do you eat meals or snacks in the bedroom before sleep?	Num	YESNOF	8	0.38	–	Missing	648	70.97
						0	0: No	164	17.96

Codebook for jhssleepdata_clean

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Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
						1	1: Yes	101	11.06
OTHER_BEFORE_SLP	Do you do other activities in the bedroom before sleep?	Num	YESNOF	8	0.02	–	Missing	660	72.29
						0	0: No	249	27.27
						1	1: Yes	4	0.44
SPECIFY_OTHER_BEFORE_SLP	Specify other activities you do in the bedroom before sleep	Char	$	500					
HOUSEHOLD_SIZE	The total number of people currently live in your home	Num	BEST	8	2.31	0.00~8.00		264	28.92
NUM_ADULTS	The number of adults currently live in your home?	Num	BEST	8	2.03	0.00~8.00		265	29.03
NUM_CHILDREN	The number of children currently live in your home?	Num	BEST	8	0.27	0.00~4.00		264	28.92
FINANCIAL_DIFFICULTY	How hard is if for you (and your family) to pay for very basics like food, rent, or mortagage, heating, etc.?	Num	PAYF	8	3.76	–	Missing	648	70.97
						1	1: Very hard	8	0.88
						2	2: Hard	11	1.20
						3	3: Somewhat hard	37	4.05
						4	4: Not very hard	197	21.58
						5	5: Don't know	4	0.44
						6	6: Prefer not to state	8	0.88
HTN_BLOODPRESSURE	Hypertension indicator: systolic blood pressure >= 140 or diastolic blood pressure >= 90	Num	YESNOF	8	0.23	–	Missing	17	1.86
						0	0: No	687	75.25
						1	1: Yes	209	22.89
HTN_MEDINVENTORY	Hypertension indicator: medication inventory included 1 or more antihypertensive medications	Num	YESNOF	8	0.69	–	Missing	53	5.81
						0	0: No	265	29.03
						1	1: Yes	595	65.17
HTN_MEDSELFREPORT	Hypertension indicator: self-reported use of high blood pressure medications	Num	YESNOF	8	0.76	–	Missing	183	20.04
						0	0: No	172	18.84
						1	1: Yes	558	61.12

Codebook for jhssleepdata_clean

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
Number of Variables: 995
Organization of file: One Record per Participant (PPTID)

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
HTN_SELFREPORTDX	Hypertension indicator: self-reported diagnosis of high blood pressure	Num	YESNOF	8	0.71	–	Missing	27	2.96
						0	0: No	254	27.82
						1	1: Yes	632	69.22
HYPERTENSION	Hypertension composite 2 – (Yes = 1 or more indicators positive; No = blood pressure and at least 1 medication indicator negative)	Num	YESNOF	8	0.80	–	Missing	17	1.86
						0	0: No	180	19.72
						1	1: Yes	716	78.42
DIAB_GLUCOSE	Diabetes indicator: fasting glucose >= 126 mg/dl	Num	YESNOF	8	0.04	–	Missing	12	1.31
						0	0: No	862	94.41
						1	1: Yes	39	4.27
DIAB_MEDINVENTORY	Diabetes indicator: medication inventory included 1 or more diabetes medications	Num	YESNOF	8	0.22	–	Missing	66	7.23
						0	0: No	658	72.07
						1	1: Yes	189	20.70
DIAB_MEDSELFREPORT	Diabetes indicator: self-reported use of diabetes medications	Num	YESNOF	8	0.24	–	Missing	123	13.47
						0	0: No	599	65.61
						1	1: Yes	191	20.92
DIAB_SELFREPORTDX	Diabetes indicator: self-reported diagnosis of diabetes	Num	YESNOF	8	0.23	–	Missing	27	2.96
						0	0: No	685	75.03
						1	1: Yes	201	22.02
DIABETES	Diabetes composite 2 – (Yes = 1 or more indicators positive; No = glucose and at least 1 medication indicator negative)	Num	YESNOF	8	0.27	–	Missing	26	2.85
						0	0: No	647	70.87
						1	1: Yes	240	26.29
HTN_UNCONTROLLED	Uncontrolled hypertension indicator: hypertension2 = 1 AND htn_bloodpressure = 1 AND (number of antihypertensive medications < 3 OR number of duretic medications = 0)	Num	YESNOF	8	0.20	–	Missing	69	7.56
						0	0: No	672	73.60
						1	1: Yes	172	18.84

Codebook for jhssleepdata_clean

DATA SET: jhssleepdata   LABEL: DATE CREATED: 14NOV17:10:27:40
Number of Observations: 913
Number of Variables: 995
Organization of file: One Record per Participant (PPTID)

Variable Name	Variable Label (VAR)	VAR Type	VAR Format	VAR Length	Mean	Range of Values	Frequency Category	Frequency	Percent
HTN_UNCONTROLLED_ RESISTANT	Uncontrolled resistant hypertension indicator: hypertension2 = 1 AND htn_bloodpressure = 1 AND 3 =< number of antihypertensive medications < 5 AND number of duretic medications >= 1	Num	YESNOF	8	0.02	–	Missing	69	7.56
						0	0: No	826	90.47
						1	1: Yes	18	1.97
HTN_UNCONTROLLED_ REFRACTORY	Uncontrolled refractory hypertension indicator: hypertension2 = 1 AND htn_bloodpressure = 1 AND number of antihypertensive medications >= 5	Num	YESNOF	8	0.00	–	Missing	69	7.56
						0	0: No	840	92.00
						1	1: Yes	4	0.44
HTN_CONTROLLED	Controlled hypertension indicator: hypertension2 = 1 AND htn_bloodpressure = 0 AND number of antihypertensive medication =< 3	Num	YESNOF	8	0.54	–	Missing	69	7.56
						0	0: No	390	42.72
						1	1: Yes	454	49.73
HTN_CONTROLLED_RESISTANT	Controlled resistant hypertension indicator: hypertnesion2 = 1 AND htn_bloodpressure = 0 AND number of antihypertensive medication >=4	Num	YESNOF	8	0.02	–	Missing	69	7.56
						0	0: No	828	90.69
						1	1: Yes	16	1.75
HTN_CATEGORY	Hypertension category: 0: No hypertension; 1: Controlled hypertension; 2: Controlled resistant hypertension; 3: Uncontrolled hypertension; 4: Uncontrolled resistant hypertension; 5: Uncontrolled refractory hypertension	Num	HTNCAT	8	1.30	–	Missing	69	7.56
						0	0: No hypertension	180	19.72
						1	1: controlled hypertension	454	49.73
						2	2: controlled resistant hypertension	16	1.75
						3	3: uncontrolled hypertension	172	18.84
						4	4: uncontrolled resistant hypertension	18	1.97
						5	5: uncontrolled refractory hypertension	4	0.44