

Air Manganese Study – Air Manganese and Health Data  
 Alphabetic List of Variables

#	Variable	Type	Len	Format	Label
78	AAT_for_plots	Num	3		For plots - level of Alanine AminoTransferase enzyme in blood (ug/L)
1206	ACT18DI	Num	3		ACT 18 seconds Dichotomized Impairment ( $\geq 2$ SD below mean is of concern)
424	ACT18Imp	Num	3		Auditory Consonant Trigrams 18" impairment
420	ACT18z	Num	8		Auditory Consonant Trigrams 18": Z score
1393	ACT18z_10cutoff	Num	4		Auditory Consonant Trigrams 18": Z score 10%ile cutoff
1421	ACT18z_25cutoff	Num	4		Auditory Consonant Trigrams 18": Z score 25%ile cutoff
1204	ACT3DI	Num	3		ACT 3 seconds Dichotomized Impairment ( $\geq 2$ SD below mean is of concern)
422	ACT3Imp	Num	3		Auditory Consonant Trigrams 3" impairment
418	ACT3z	Num	8		Auditory Consonant Trigrams 3": Z score
1391	ACT3z_10cutoff	Num	4		Auditory Consonant Trigrams 3": Z score 10%ile cutoff
1419	ACT3z_25cutoff	Num	4		Auditory Consonant Trigrams 3": Z score 25%ile cutoff
1205	ACT9DI	Num	3		ACT 9 seconds Dichotomized Impairment ( $\geq 2$ SD below mean is of concern)
423	ACT9Imp	Num	3		Auditory Consonant Trigrams 9" impairment
419	ACT9z	Num	8		Auditory Consonant Trigrams 9": Z score
1392	ACT9z_10cutoff	Num	4		Auditory Consonant Trigrams 9": Z score 10%ile cutoff
1420	ACT9z_25cutoff	Num	4		Auditory Consonant Trigrams 9": Z score 25%ile cutoff

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#	Variable	Type	Len	Format	Label
413	ACT_delay3	Num	3		Auditory Consonant Trigrams 3" delay
414	ACT_delay9	Num	3		Auditory Consonant Trigrams 9" delay
415	ACT_delay18	Num	3		Auditory Consonant Trigrams 18" delay
412	ACT_delayNone	Num	3		Auditory Consonant Trigrams No delay
417	ACT_persevTotal	Num	3		Auditory Consonant Trigrams: Total Perseverations
416	ACT_scoreTotal	Num	3		Auditory Consonant Trigrams Total Score
1207	ACTmeanDI	Num	3		ACT mean Dichotomized Impairment ( $\geq 2$ SD below mean is of concern)
425	ACTmeanImp	Num	3		Auditory Consonant Trigrams mean of 3 trials impairment
421	ACTmeanz	Num	8		Auditory Consonant Trigrams Mean of 3, 9, 18 z scores
1394	ACTmeanz_10cutoff	Num	4		Auditory Consonant Trigrams Mean of 3, 9, 18 z scores 10%ile cutoff
1422	ACTmeanz_25cutoff	Num	4		Auditory Consonant Trigrams Mean of 3, 9, 18 z scores 25%ile cutoff
7	AERMOD_2014	Num	8		Modeling Mn/Air adjusted by WCC (Marietta) and Maryland Ave. (El) monitor average 2003-2013
1524	AERMOD_LogTransform	Num	8		AERMOD - log transformation (IG)
6	AIR_conc	Num	8		Marietta Concentration of Mn/Air from modeling in 2001; EL: average of 2000 and 2003-2011 from modeling
9	AIR_conc_Tertile	Num	3		Air Concentration Tertiles
10	AIR_hazard	Num	8		Marietta Hazard Quotient associated with Mn in Air
592	Agelastperiod	Num	8		Age when last period took place

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1288	Air_Hazard_median	Num	3		Hazard Split by median
1300	Air_conc_Quartiles	Num	3		Marietta Air_conc_Quartiles
1339	Ann_Expo	Num	8		Arithmetic Annual AvgExposure (EL only; for Marietta-use Air_Conc)
1294	Anxiety_disorder	Num	3		reported anxiety disorder
596	BCpills	Num	3		Taken birth control pills?
598	BCyrs	Char	10		How long did you take birth control (years)?
56	BIO_AAT_enzyme	Num	8		level of Alanine AminoTransferase enzyme in blood (ug/L)
1287	BIO_BloodMn_Median_exposed	Num	3		Medican Split for Marietta=9.15
46	BIO_BloodPb	Num	8		Blood Pb Lead-ug/dL
1278	BIO_BloodPbIMP	Num	3		RECODE BIO_BloodPb (MISSING=SYSMIS) (LOWEST thru 1.399999 = 1) (1.4 thru 4.2 = 0) (4.20001 thru HIGHEST = 1) into BIO_BloodPbIMP.
1335	BIO_BloodPb_Tertile	Num	3		Blood Pb Tertiles
60	BIO_CATALASE_sequence	Num	3		gene expression for CATALASE
59	BIO_DMT1_sequence	Num	3		gene expression for DMT1
58	BIO_GCLC_sequence	Num	3		gene expression for GCLC
57	BIO_GGT_enzyme	Num	8		level of Gamma Glutamyl Transferase enzyme in blood (ug/L)
61	BIO_GSTP1_sequence	Num	3		gene expression for GSTP1
52	BIO_Mnhair	Num	8		Mn hair (ug/gr)

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#	Variable	Type	Len	Format	Label
50	BIO_Mntoenails	Num	8		Mn toenails (ug/g)
48	BIO_bloodCd	Num	8		Blood Cd (ug/L)
1280	BIO_bloodCdIMP	Num	3		RECODE BIO_bloodCd (MISSING=SYSMIS) (LOWEST thru .299999 = 1) (.30 thru 1.6 = 0) (1.6000001 thru HIGHEST = 1) into BIO_bloodCdIMP.
1337	BIO_bloodCd_Tertile	Num	3		Blood Cd Tertiles
47	BIO_bloodHg	Num	8		Blood Hg (ug/L)
1279	BIO_bloodHgIMP	Num	3		RECODE BIO_bloodHg (MISSING=SYSMIS) (LOWEST thru .79999 = 1) (.8 thru 4.9 = 0) (4.9000001 thru HIGHEST = 1) into BIO_bloodHgIMP.
1336	BIO_bloodHg_Tertile	Num	3		Blood Hg Tertiles
42	BIO_bloodMn	Num	8		Blood Mn (ug/L)
1277	BIO_bloodMnIMP	Num	3		RECODE BIO_bloodMn (MISSING=SYSMIS) (LOWEST thru 7.6999 = 1) (7.7 thru 12.1 = 0) (12.1000001 thru HIGHEST = 1) into BIO_bloodMnIMP
1302	BIO_bloodMn_Quartiles	Num	3		BIO_bloodMn_Quartiles
1334	BIO_bloodMn_Tertile	Num	3		Blood Mn Tertiles
70	BIO_bloodMn_Towncentered	Num	8		Blood Mn centered by TOWN
65	BIO_bloodMn_centered	Num	8		Blood Mn centered whole group
63	BIO_bloodMn_cutoff10	Num	3		Blood Mn level 10ug cutoff
64	BIO_bloodMn_cutoff12	Num	3		Blood Mn level 12.1ug cutoff
49	BIO_bloodSe	Num	8		Blood Se (ug/L)

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#	Variable	Type	Len	Format	Label
54	BIO_lnMn	Num	8		Ln of Mn
55	BIO_Inferritin	Num	8		Ln of Serum Ferritin
66	BIO_logMn	Num	8		Log of Mn
68	BIO_logMn_centered	Num	8		mean-centered log of Mn
69	BIO_logferritin	Num	8		log of ferritin
43	BIO_plasmaBloodMn	Num	3		Plasma Mn ng/mL
44	BIO_plasmaBloodMnWhole	Num	3		Plasma Mn as % of whole blood Mn
67	BIO_rootMn	Num	8		Square root of Mn
53	BIO_serumFerritin	Num	8		Serum Ferritin (ng/mL)
1281	BIO_serumFerritinIMP	Num	3		Ferritin Women: (LOWEST thru 9.9999 = 1) (10 thru 120 = 0) (120.00001 thru HIGHEST = 1); Men: (LOWEST thru 19.9999 = 1) (20 thru 250 = 0) (250.000001 thru HIGHEST = 1)
1338	BIO_serumFerritin_Tertile	Num	3		Serum ferritin tertiles different cutoffs by gender
45	BIO_serumMn	Num	8		Serum Mn
605	BMI	Num	8		Body mass index
62	BO_CPSI_sequence	Num	3		gene expression for CPSI
203	BRFSS_DaysBoth	Num	3		BRFSS Days Physical or Mental Health
202	BRFSS_DaysMental	Num	3		BRFSS Days Mental Health
201	BRFSS_DaysPhys	Num	3		BRFSS Days Physical Health
200	BRFSS_GenHealth	Num	3		BRFSS General Health (0-4)

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#	Variable	Type	Len	Format	Label
1374	BRFSS_GenHealth_Rec	Num	3		Recoded general health (fair/poor or other)
1528	BloodPb_NHANES_DI	Num	3		Pb compared to 95th % NNAHES (4.20 ug/dL)
11	CEI	Num	8		AIR_conc * years_residency (Marietta Only);
8	CEI_2014	Num	8		AERMOD_2014*years_residency
1297	CEI_DI	Num	3		Marietta CEI DI
1298	CEI_Quartiles	Num	3		Marietta CEI_Quartiles
1299	CEI_Quartiles_1and4	Num	3		Marietta 1st and 4th quartiles of the CEI
1290	CEI_centered	Num	8		centered logCEI
1212	COWAT_DI	Num	3		Animal naming dichotomized impairment ( $\geq 2$ SD below mean is of concern)
483	COWAT_SS	Num	4		Animal Naming standard score (age and edu adjusted)
1400	COWAT_SS_10cutoff	Num	4		Animal Naming standard score (age and edu adjusted) 10%ile cutoff
1428	COWAT_SS_25cutoff	Num	4		Animal Naming standard score (age and edu adjusted) 25%ile cutoff
484	COWAT_perc	Num	4		Animal naming percentile
482	COWAT_raw	Num	3		Animal Naming raw score
1211	COWATz	Num	8		Animal Naming z score
1307	CompositeT_DI	Num	3		dichotomized generalized anxiety (0 is $<55$ ; 1 is = or $>55$ )
597	CurrentBC	Num	3		Currently taking BC?
595	CurrentHRT	Num	3		Currently on HRT?

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#	Variable	Type	Len	Format	Label
39	DEMO_ELEXaminer	Num	4		Participant's test examiner for E.L.
41	DEMO_birthDate	Num	8		Participant's birth date dd/mm/yyyy
38	DEMO_examiner	Num	3		Participant's test examiner
36	DEMO_handedness	Num	3		Participant's handedness R/L
34	DEMO_income_household	Num	3		household annual income
33	DEMO_income_personal	Num	3		personal annual income
35	DEMO_maritalstatus	Num	3		Participant's marital status
40	DEMO_motor_examiner	Num	3		Motor Test Examiner in Marietta
37	DEMO_weight	Num	8		Participant's weight at time of testing
3	Dichotomous_Exposure	Num	3		Mt Vernon vs. Marietta and EL
736	Dumpmi	Num	8		distance from Mt Vernon Ross Dump (mi)
1327	EL_centeredlnferr	Num	8		Natural log transformed Serum Ferritin mean centered for East Liverpool
1326	EL_centeredlnmn	Num	8		Natural log transformed MnB mean centered for East Liverpool
1328	EL_centeredlnmnXferr	Num	8		interaction term for EL mean-centered Ln transformed MnB and serum ferritin
4	EL_prelim_exposuregroup	Num	3		East Liverpool location1
5	EL_prelim_exposuregroup2	Num	3		East Liverpool location2
204	EWS_1	Num	4		Envir. Worry Scale 1: being hurt by chemicals

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#	Variable	Type	Len	Format	Label
205	EWS_2	Num	3		Envir. Worry Scale 2: toxic effects on body resulting in losing intellectual abilities
206	EWS_3	Num	4		Envir. Worry Scale 3: many people overreact to threat of envir. Toxins
207	EWS_4	Num	3		Envir. Worry Scale 4: poor memory result of exposure to chemicals
208	EWS_5	Num	4		Envir. Worry Scale 5: exposed to chemicals for a long time does not cause diseases
209	EWS_1r	Num	3		Envir. Worry Scale 1: being hurt by chemicals reverse scored
210	EWS_3r	Num	3		Envir. Worry Scale 3: many people overreact to threat of envir. Toxins reverse scored
211	EWS_5r	Num	3		Envir. Worry Scale 5: exposed to chemicals for a long time does not cause diseases reverse scored
212	EWS_Tot	Num	3		Environmental Worry Scale Total Score (5 Questions)
1514	Edu_HQ_DI	Num	3		dichotomized education from Health questionnaire (0=highschool or less, 1=more than highschool)
1523	Exposure_Dichotomous	Num	3		Exposure Dichtomous
1308	FingerTapDomT_DI	Num	3		dichotomized dominant fingertapping T score (0 is > 45; 1 is < or =45)
1309	FingerTapNonDomT_DI	Num	3		dichotomized nondom fingertapping T score (0 is > 45; 1 is < or =45)
79	GGT_for_plots	Num	3		For plots - level of Gamma Glutamyl Transferase enzyme in blood (ug/L)



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691	HQIII_10_A	Num	3		Had high blood pressure No/Yes
692	HQIII_11_A	Num	3		Had heart trouble No/Yes
693	HQIII_12_A	Num	3		Had a heart attack No/Yes
694	HQIII_13_A	Num	3		Had chest pain with exertion No/Yes
695	HQIII_14_A	Num	3		Had heart valve disease No/Yes
696	HQIII_15_A	Num	3		Had bone/joint cancer No/Yes
697	HQIII_16_A	Num	3		Had brain cancer No/Yes
698	HQIII_17_A	Num	3		Had breast cancer No/Yes
699	HQIII_18_A	Num	3		Had esophageal cancer No/Yes
700	HQIII_19_A	Num	3		Had kidney or bladder cancer No/Yes
682	HQIII_1_A	Num	3		Acute bronchitis No/Yes
701	HQIII_21_A	Num	3		Had Lymphoma No/Yes
702	HQIII_22_A	Num	3		Had lung cancer No/Yes
703	HQIII_24_A	Num	3		Had male/female sex organ cancer No/Yes
704	HQIII_25_A	Num	3		Had mouth or throat cancer No/Yes
705	HQIII_27_A	Num	3		Had skin cancer No/Yes
706	HQIII_28_A	Num	3		Had thyroid cancer No/Yes
707	HQIII_29_A	Num	3		Had cataracts No/Yes
683	HQIII_2_A	Num	3		Had Pleurisy No/Yes
708	HQIII_30_A	Num	3		Had glaucoma No/Yes

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#	Variable	Type	Len	Format	Label
709	HQIII_31_A	Num	3		Had other eye problems not related to glasses or contacts
710	HQIII_32_A	Num	3		Had anemia No/Yes
711	HQIII_33_A	Num	3		Had psychiatric or nervous disorder No/Yes
712	HQIII_34_A	Num	3		Had seizure disorder No/Yes
713	HQIII_35_A	Num	3		Had diabetes No/Yes
714	HQIII_36_A	Num	3		Had liver disease No/Yes
715	HQIII_37_A	Num	3		Had allergies No/Yes
716	HQIII_38_A	Num	3		Had skin rashes No/Yes
717	HQIII_39_A	Num	3		Had diseases of the bones, joints or muscles No/Yes
684	HQIII_3_A	Num	3		Had tuberculosis No/Yes
718	HQIII_40_A	Num	3		Had kidney problems/infection No/Yes
719	HQIII_41_A	Num	3		Had bladder infection No/Yes
720	HQIII_42_A	Num	3		Had cold sores or mouth ulcers No/Yes
721	HQIII_43_A	Num	3		Had blood in urine No/Yes
722	HQIII_44_A	Num	3		Had thyroid disease No/Yes
723	HQIII_45_A	Num	3		Had a head injury No/Yes
724	HQIII_46_A	Num	3		Had asbestosis No/Yes
725	HQIII_47_A	Num	3		Had rheumatic fever No/Yes
726	HQIII_48_A	Num	3		Had fainting spells
727	HQIII_49_A	Num	3		Had sinusitis No/Yes

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#	Variable	Type	Len	Format	Label
685	HQIII_4_A	Num	3		Had chest injury No/Yes
728	HQIII_50_A	Num	3		Had back or spine problems No/Yes
729	HQIII_51_A	Num	3		Had swollen lymph nodes No/Yes
730	HQIII_59_A	Num	3		Had autoimmune disease such as Lupus, rheumatoid arth.
686	HQIII_5_A	Num	3		Had pneumonia No/Yes
731	HQIII_60_A	Num	3		Had a tremor disorder No/Yes
732	HQIII_62_A	Num	3		Had other major illness No/Yes
733	HQIII_63_A	Num	3		Hospitalization in last five years No/Yes
687	HQIII_6_A	Num	3		Had chronic bronchitis No/Yes
688	HQIII_7_A	Num	3		Had emphysema No/Yes
689	HQIII_8_A	Num	3		had athsma
690	HQIII_9_A	Num	3		Had hay fever No/Yes
681	HQII_76	Num	3		Allergic or unusually sensative to chemicals in your environment
615	HQII_10_A	Num	3		Problems with blurred vision No/Yes
616	HQII_11_A	Num	3		Changes in handwriting No/Yes
617	HQII_12_A	Num	3		Changes in sense of smell No/Yes
618	HQII_13_A	Num	3		Changes in sense of taste No/Yes
619	HQII_14_A	Num	3		Changes in walking No/Yes
620	HQII_15_A	Num	3		Confusion or feeling lost No/Yes

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#	Variable	Type	Len	Format	Label
621	HQII_16_A	Num	3		Coughing No/Yes
622	HQII_17_A	Num	3		Cramping in legs No/Yes
623	HQII_18_A	Num	3		Dark Vision No/Yes
624	HQII_19_A	Num	3		having diarrhea No/Yes
606	HQII_1_A	Num	3		Problems sleeping Yes/No
625	HQII_20_A	Num	3		Problems with dim vision No/Yes
626	HQII_21_A	Num	3		Difficulty chewing No/Yes
627	HQII_22_A	Num	3		Difficulty concentrating No/Yes
628	HQII_23_A	Num	3		Difficulty driving because of dizziness No/Yes
629	HQII_24_A	Num	3		Difficulty getting out of chairs No/Yes
630	HQII_25_A	Num	3		Difficulty sitting up straight No/Yes
631	HQII_26_A	Num	3		Difficulty turning in bed No/Yes
632	HQII_27_A	Num	3		Difficulty with skilled movements No/Yes
633	HQII_28_A	Num	3		Difficulty writing No/Yes
634	HQII_29_A	Num	3		Excessive perspiration No/Yes
607	HQII_2_A	Num	3		Problems falling asleep No/Yes
635	HQII_30_A	Num	3		Excessive salivation No/Yes
636	HQII_31_A	Num	3		Changes in facial expression No/Yes
637	HQII_32_A	Num	3		tightness of facial muscle No/Yes
638	HQII_33_A	Num	3		Feeling anxious No/Yes

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#	Variable	Type	Len	Format	Label
639	HQII_34_A	Num	3		Feeling depressed No/Yes
640	HQII_35_A	Num	3		Feeling irritable No/Yes
641	HQII_36_A	Num	3		Feeling lightheaded or dizzy No/Yes
642	HQII_37_A	Num	3		Fever or chills No/Yes
643	HQII_38_A	Num	3		Hand or foot tapping No/Yes
644	HQII_39_A	Num	3		Headaches at least twice a week No/Yes
608	HQII_3_A	Num	3		Problems waking up too often No/Yes
645	HQII_40_A	Num	3		Joint pain or swelling No/Yes
646	HQII_41_A	Num	3		Loss of consciousness (fainting) No/Yes
647	HQII_42_A	Num	3		Loss of coordination of balance No/Yes
648	HQII_43_A	Num	3		Loss of muscle strength in arms/hands No/Yes
649	HQII_44_A	Num	3		Loss of muscle strength in legs/feet No/Yes
650	HQII_45_A	Num	3		Loss of sense of smell No/Yes
651	HQII_46_A	Num	3		Lower tolerance of alcohol No/Yes
652	HQII_47_A	Num	3		Metallic taste in mouth No/Yes
653	HQII_48_A	Num	3		Migraine headaches No/Yes
654	HQII_49_A	Num	3		Monotonous voice No/Yes
609	HQII_4_A	Num	3		Problems waking up too early No/Yes
655	HQII_50_A	Num	3		Muscle aches No/Yes
656	HQII_51_A	Num	3		Muscles twitching No/Yes

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657	HQII_52_A	Num	3		Muscle rigidity No/Yes
658	HQII_53_A	Num	3		Nausea not caused by something eaten No/Yes
659	HQII_54_A	Num	3		Noticable change in personality No/Yes
660	HQII_55_A	Num	3		Numbness/tingling in fingers/feet for more than a day No/Yes
661	HQII_56_A	Num	3		Sexual dysfunction No/Yes
662	HQII_57_A	Num	3		Shortness of breath on exertion No/Yes
663	HQII_58_A	Num	3		Skin rashes No/Yes
664	HQII_59_A	Num	3		Slowness of movement No/Yes
610	HQII_5_A	Num	3		Problems with nightmares No/Yes
665	HQII_60_A	Num	3		Slurred speech No/Yes
666	HQII_61_A	Num	3		Stomach cramps or stomach pain No/Yes
667	HQII_62_A	Num	3		Tremors or shakiness (temporary) No/Yes
668	HQII_63_A	Num	3		Tremors or shakiness (long term) No/Yes
669	HQII_64_A	Num	3		Trouble remembering things No/Yes
670	HQII_65_A	Num	3		Urinary or bowel incontinence No/Yes
671	HQII_66_A	Num	3		Problems with vomiting No/Yes
672	HQII_67_A	Num	3		Wheezing or whistling in chest No/Yes
673	HQII_68_A	Num	3		Weight fluctuations No/Yes
674	HQII_69_A	Num	3		Respiratory problems on bad air days No/Yes

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611	HQII_6_A	Num	3		Problems with night sweats No/Yes
675	HQII_70_A	Num	3		Bringing phlegm from chest into throat No/Yes
676	HQII_71_A	Num	3		Dizziness in the presence of gas No/Yes
677	HQII_72_A	Num	3		Headaches in the presence of gas No/Yes
678	HQII_73_A	Num	3		Dizziness in the presence of paint No/Yes
679	HQII_74_A	Num	3		Headaches in the presence of paint No/Yes
680	HQII_75_A	Num	3		How much do you worry about running a red light
612	HQII_7_A	Num	3		Difficulty waking up in the morning No/Yes
613	HQII_8_A	Num	3		Difficulty staying awake during the day No/Yes
614	HQII_9_A	Num	3		Problems with muscle cramps No/Yes
738	HQIV_1	Num	4		Medications taken in the last 24 hours
739	HQIV_2	Char	33		Name of meds taken in the last 24 hours
751	HQIV_3_2_A	Char	15		Month additional medication was first taken
752	HQIV_3_2_B	Char	33		Year additional Medication was first taken
753	HQIV_3_3_A	Char	16		Month additional medication was first taken
754	HQIV_3_3_B	Char	20		Year additional Medication was first taken
755	HQIV_3_4_A	Char	27		Month additional medication was first taken
756	HQIV_3_4_B	Char	60		Year additional Medication was first taken
749	HQIV_3_A	Char	24		Month the medication was first taken
750	HQIV_3_B	Char	22		Year the medication was first taken

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811	HQIV_4_10_A	Num	4		Taken any herbal medications No/Yes
812	HQIV_4_10_B	Char	45		Name/brand of OTC medication
813	HQIV_4_10_C	Num	4		If this OTC medication was taken in the last month No/Yes
814	HQIV_4_10_D	Char	8		If yes, how many were taken per year
815	HQIV_4_10_E	Num	4		If yes, how many were taken per month
816	HQIV_4_10_F	Num	4		If yes, how many were taken per day
817	HQIV_4_11_A	Num	4		Taken any other OTC medications No/Yes
818	HQIV_4_11_B	Char	145		Name/brand of OTC medication
819	HQIV_4_11_C	Num	4		If this OTC medication was taken in the last month No/Yes
820	HQIV_4_11_D	Num	4		If yes, how many were taken per year
821	HQIV_4_11_E	Char	9		If yes, how many were taken per month
822	HQIV_4_11_F	Char	41		If yes, how many were taken per day
757	HQIV_4_1_A	Num	4		Taken any antacids No/Yes
758	HQIV_4_1_B	Char	22		Name/brand of OTC medication
759	HQIV_4_1_C	Num	3		If this OTC medication was taken in the last month No/Yes
760	HQIV_4_1_D	Num	4		If yes, how many were taken per year
761	HQIV_4_1_E	Num	8		If yes, how many were taken per month
762	HQIV_4_1_F	Num	4		If yes, how many were taken per day
763	HQIV_4_2_A	Num	4		Taken any cough medicine No/Yes
764	HQIV_4_2_B	Char	23		Name/brand of OTC medication



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#	Variable	Type	Len	Format	Label
765	HQIV_4_2_C	Num	4		If this OTC medication was taken in the last month No/Yes
766	HQIV_4_2_D	Num	4		If yes, how many were taken per year
767	HQIV_4_2_E	Num	4		If yes, how many were taken per month
768	HQIV_4_2_F	Num	4		If yes, how many were taken per day
769	HQIV_4_3_A	Num	4		Taken any cold medicine No/Yes
770	HQIV_4_3_B	Char	31		Name/brand of OTC medication
771	HQIV_4_3_C	Num	3		If this OTC medication was taken in the last month No/Yes
772	HQIV_4_3_D	Num	8		If yes, how many were taken per year
773	HQIV_4_3_E	Num	4		If yes, how many were taken per month
774	HQIV_4_3_F	Num	4		If yes, how many were taken per day
775	HQIV_4_4_A	Num	4		Used any skin medications of creams No/Yes
776	HQIV_4_4_B	Char	33		Name/brand of OTC medication
777	HQIV_4_4_C	Num	4		If this OTC medication was taken in the last month No/Yes
778	HQIV_4_4_D	Num	4		If yes, how many were taken per year
779	HQIV_4_4_E	Num	8		If yes, how many were taken per month
780	HQIV_4_4_F	Num	4		If yes, how many were taken per day
781	HQIV_4_5_A	Num	4		Taken any headache medications No/Yes
782	HQIV_4_5_B	Char	34		Name/brand of OTC medication
783	HQIV_4_5_C	Num	3		If this OTC medication was taken in the last month No/Yes
784	HQIV_4_5_D	Num	4		If yes, how many were taken per year

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#	Variable	Type	Len	Format	Label
785	HQIV_4_5_E	Num	4		If yes, how many were taken per month
786	HQIV_4_5_F	Num	8		If yes, how many were taken per day
787	HQIV_4_6_A	Num	4		Taken any sleep medications No/Yes
788	HQIV_4_6_B	Char	17		Name/brand of OTC medication
789	HQIV_4_6_C	Num	4		If this OTC medication was taken in the last month No/Yes
790	HQIV_4_6_D	Num	4		If yes, how many were taken per year
791	HQIV_4_6_E	Num	4		If yes, how many were taken per month
792	HQIV_4_6_F	Num	4		If yes, how many were taken per day
793	HQIV_4_7_A	Num	4		Taken any pain medications No/Yes
794	HQIV_4_7_B	Char	34		Name/brand of OTC medication
795	HQIV_4_7_C	Num	4		If this OTC medication was taken in the last month No/Yes
796	HQIV_4_7_D	Num	4		If yes, how many were taken per year
797	HQIV_4_7_E	Num	8		If yes, how many were taken per month
798	HQIV_4_7_F	Char	21		If yes, how many were taken per day
799	HQIV_4_8_A	Num	4		Taken any iron supplements No/Yes
800	HQIV_4_8_B	Char	12		Name/brand of OTC medication
801	HQIV_4_8_C	Num	4		If this OTC medication was taken in the last month No/Yes
802	HQIV_4_8_D	Num	4		If yes, how many were taken per year
803	HQIV_4_8_E	Num	4		If yes, how many were taken per month
804	HQIV_4_8_F	Char	6		If yes, how many were taken per day

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#	Variable	Type	Len	Format	Label
805	HQIV_4_9_A	Num	4		Taken any vitamins with iron No/Yes
806	HQIV_4_9_B	Char	45		Name/brand of OTC medication
807	HQIV_4_9_C	Num	4		If this OTC medication was taken in the last month No/Yes
808	HQIV_4_9_D	Num	4		If yes, how many were taken per year
809	HQIV_4_9_E	Num	4		If yes, how many were taken per month
810	HQIV_4_9_F	Char	6		If yes, how many were taken per day
889	HQIV_5_10_A	Num	4		Taken any prescribed headache medications No/Yes
890	HQIV_5_10_B	Char	22		Name/brand of prescription medication
891	HQIV_5_10_C	Num	3		If prescription medication was taken in the last month No/Yes
892	HQIV_5_10_D	Char	11		If yes, how many were taken per year
893	HQIV_5_10_E	Num	4		If yes, how many were taken per month
894	HQIV_5_10_F	Num	4		If yes, how many were taken per day
895	HQIV_5_11_A	Num	4		Taken any muscle relaxants No/Yes
896	HQIV_5_11_B	Char	16		Name/brand of prescription medication
897	HQIV_5_11_C	Num	3		If prescription medication was taken in the last month No/Yes
898	HQIV_5_11_D	Num	4		If yes, how many were taken per year
899	HQIV_5_11_E	Num	4		If yes, how many were taken per month
900	HQIV_5_11_F	Num	4		If yes, how many were taken per day

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#	Variable	Type	Len	Format	Label
901	HQIV_5_12_A	Num	3		Taken any medicine for depression No/Yes
902	HQIV_5_12_B	Char	35		Name/brand of prescription medication
903	HQIV_5_12_C	Num	4		If prescription medication was taken in the last month No/Yes
904	HQIV_5_12_D	Num	4		If yes, how many were taken per year
905	HQIV_5_12_E	Num	4		If yes, how many were taken per month
906	HQIV_5_12_F	Char	7		If yes, how many were taken per day
907	HQIV_5_13_A	Num	3		Taken any medicine for anxiety No/Yes
908	HQIV_5_13_B	Char	10		Name/brand of prescription medication
909	HQIV_5_13_C	Num	4		If prescription medication was taken in the last month No/Yes
910	HQIV_5_13_D	Num	4		If yes, how many were taken per year
911	HQIV_5_13_E	Num	4		If yes, how many were taken per month
912	HQIV_5_13_F	Num	4		If yes, how many were taken per day
913	HQIV_5_14_A	Num	4		Taken any prescribed pain medication No/Yes
914	HQIV_5_14_B	Char	25		Name/brand of prescription medication
915	HQIV_5_14_C	Num	3		If prescription medication was taken in the last month No/Yes
916	HQIV_5_14_D	Num	4		If yes, how many were taken per year
917	HQIV_5_14_E	Num	8		If yes, how many were taken per month
918	HQIV_5_14_F	Num	8		If yes, how many were taken per day

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#	Variable	Type	Len	Format	Label
919	HQIV_5_15_A	Num	4		Taken any Parkinson's disease medications No/Yes
920	HQIV_5_15_B	Char	7		Name/brand of prescription medication
921	HQIV_5_15_C	Num	3		If prescription medication was taken in the last month No/Yes
922	HQIV_5_15_D	Num	3		If yes, how many were taken per year
923	HQIV_5_15_E	Num	3		If yes, how many were taken per month
924	HQIV_5_15_F	Num	3		If yes, how many were taken per day
925	HQIV_5_16_A	Num	4		Taken any other prescribed medications No/Yes
926	HQIV_5_16_B	Char	46		Name/brand of prescription medication
927	HQIV_5_16_C	Num	4		If prescription medication was taken in the last month No/Yes
928	HQIV_5_16_D	Num	4		If yes, how many were taken per year
929	HQIV_5_16_E	Num	4		If yes, how many were taken per month
930	HQIV_5_16_F	Num	4		If yes, how many were taken per day
823	HQIV_5_1_A	Num	3		Taken any antacids No/Yes
824	HQIV_5_1_B	Char	18		Name/brand of prescription medication
825	HQIV_5_1_C	Num	3		If prescription medication was taken in the last month No/Yes
826	HQIV_5_1_D	Char	8		If yes, how many were taken per year
827	HQIV_5_1_E	Num	4		If yes, how many were taken per month
828	HQIV_5_1_F	Num	4		If yes, how many were taken per day

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#	Variable	Type	Len	Format	Label
847	HQIV_5_2_4_A	Num	3		Taken other high blood pressure medications No/Yes
848	HQIV_5_2_4_B	Char	19		Name/brand of other prescription medication
849	HQIV_5_2_4_C	Num	3		If other prescription medication was taken in the last month No/Yes
850	HQIV_5_2_4_D	Num	4		If yes, how many were taken per year
851	HQIV_5_2_4_E	Num	4		If yes, how many were taken per month
852	HQIV_5_2_4_F	Num	3		If yes, how many were taken per day
871	HQIV_5_2_7_A	Num	3		Taken other cholesterol medications No/Yes
872	HQIV_5_2_7_B	Char	7		Name/brand of other prescription medication
873	HQIV_5_2_7_C	Num	3		If other prescription medication was taken in the last month No/Yes
874	HQIV_5_2_7_D	Num	4		If yes, how many were taken per year
875	HQIV_5_2_7_E	Num	4		If yes, how many were taken per month
876	HQIV_5_2_7_F	Num	3		If yes, how many were taken per day
829	HQIV_5_2_A	Num	4		Taken any antibiotics No/Yes
830	HQIV_5_2_B	Char	23		Name/brand of prescription medication
831	HQIV_5_2_C	Num	4		If prescription medication was taken in the last month No/Yes
832	HQIV_5_2_D	Num	4		If yes, how many were taken per year
833	HQIV_5_2_E	Num	4		If yes, how many were taken per month
834	HQIV_5_2_F	Num	4		If yes, how many were taken per day

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#	Variable	Type	Len	Format	Label
835	HQIV_5_3_A	Num	4		Taken any arthritis medications No/Yes
836	HQIV_5_3_B	Char	29		Name/brand of prescription medication
837	HQIV_5_3_C	Num	3		If prescription medication was taken in the last month No/Yes
838	HQIV_5_3_D	Num	4		If yes, how many were taken per year
839	HQIV_5_3_E	Num	4		If yes, how many were taken per month
840	HQIV_5_3_F	Num	8		If yes, how many were taken per day
841	HQIV_5_4_A	Num	3		Taken any high blood pressure medications No/Yes
842	HQIV_5_4_B	Char	45		Name/brand of prescription medication
843	HQIV_5_4_C	Num	4		If prescription medication was taken in the last month No/Yes
844	HQIV_5_4_D	Num	4		If yes, how many were taken per year
845	HQIV_5_4_E	Num	4		If yes, how many were taken per month
846	HQIV_5_4_F	Char	8		If yes, how many were taken per day
853	HQIV_5_5_A	Num	4		Taken any asthma medications No/Yes
854	HQIV_5_5_B	Char	18		Name/brand of prescription medication
855	HQIV_5_5_C	Num	3		If prescription medication was taken in the last month No/Yes
856	HQIV_5_5_D	Num	4		If yes, how many were taken per year
857	HQIV_5_5_E	Num	8		If yes, how many were taken per month
858	HQIV_5_5_F	Num	4		If yes, how many were taken per day

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#	Variable	Type	Len	Format	Label
859	HQIV_5_6_A	Num	4		Taken any heart medications No/Yes
860	HQIV_5_6_B	Char	27		Name/brand of prescription medication
861	HQIV_5_6_C	Num	3		If prescription medication was taken in the last month No/Yes
862	HQIV_5_6_D	Num	4		If yes, how many were taken per year
863	HQIV_5_6_E	Num	4		If yes, how many were taken per month
864	HQIV_5_6_F	Num	4		If yes, how many were taken per day
865	HQIV_5_7_A	Num	4		Taken any cholesterol medications No/Yes
866	HQIV_5_7_B	Char	40		Name/brand of prescription medication
867	HQIV_5_7_C	Num	3		If prescription medication was taken in the last month No/Yes
868	HQIV_5_7_D	Num	4		If yes, how many were taken per year
869	HQIV_5_7_E	Num	4		If yes, how many were taken per month
870	HQIV_5_7_F	Num	4		If yes, how many were taken per day
877	HQIV_5_8_A	Num	4		Taken any diabetes medications No/Yes
878	HQIV_5_8_B	Char	43		Name/brand of prescription medication
879	HQIV_5_8_C	Num	4		If prescription medication was taken in the last month No/Yes
880	HQIV_5_8_D	Num	4		If yes, how many were taken per year
881	HQIV_5_8_E	Num	4		If yes, how many were taken per month
882	HQIV_5_8_F	Char	27		If yes, how many were taken per day



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#	Variable	Type	Len	Format	Label
883	HQIV_5_9_A	Num	4		Taken any eye medications No/Yes
884	HQIV_5_9_B	Char	16		Name/brand of prescription medication
885	HQIV_5_9_C	Num	3		If prescription medication was taken in the last month No/Yes
886	HQIV_5_9_D	Num	4		If yes, how many were taken per year
887	HQIV_5_9_E	Num	8		If yes, how many were taken per month
888	HQIV_5_9_F	Num	8		If yes, how many were taken per day
1108	HQVII_6	Num	4		Total number of children incl adopted and stepchildren
1109	HQVII_7	Num	8		Total number of children currently living at home
1110	HQVII_9	Char	40		Best subject in school
1111	HQVII_10	Char	12		Average grade for best subject in school
1112	HQVII_11	Char	18		Worst subject in school
1113	HQVII_12	Char	4		Average grade for worst subject in school
1116	HQVII_14	Num	3		Special education of remedial class placement
1117	HQVII_15	Num	3		Currently have health insurance
1121	HQVII_17	Char	33		Name of primary care physician
1122	HQVII_18	Num	3		Number of doctor visits in last 12 months
1123	HQVII_21	Num	4		Number of persons in household supported by that income
1114	HQVII_13_A	Num	3		Diagnosed with a learning disability No/Yes
1115	HQVII_13_B	Char	50		If yes, description of the learning disability

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#	Variable	Type	Len	Format	Label
1118	HQVII_16_A	Num	3		Type of current health insurance
1119	HQVII_16_B	Char	24		Description of other type of health insurance
1120	HQVII_16_C	Char	34		Name of other type of health insurance
575	HQVI_51_A	Num	4		Do you grow your own vegetables/fruit in the soil at your residence Yes/No
576	HQVI_51_B	Num	8		If so, what percentage of the produce you eat is home-grown
1012	HQV_5	Num	8		Months employed in the last 2 years
1013	HQV_6	Num	8		Approximate number of sick days in last 2 years
1047	HQV_8	Num	4		Participated in welding No/Yes
1048	HQV_9	Num	4		Participated in gardening No/Yes
1049	HQV_10	Num	4		Participated in painting No/Yes
1050	HQV_11	Num	4		Participated in ceramics or sculpturing No/Yes
1051	HQV_12	Num	4		Participated in stained glass No/Yes
1052	HQV_13	Num	4		Participated in metal work or jewelry making No/Yes
1053	HQV_14	Num	4		Participated in photolab developing No/Yes
1056	HQV_16	Num	3		Currently smoke No/Yes
1057	HQV_17	Num	4		Ever smoke more than 100 cigs in your life No/Yes
1060	HQV_19	Num	8		Age started smoking
1061	HQV_20	Num	8		Number of years smoked

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#	Variable	Type	Len	Format	Label
1062	HQV_21	Num	8		Number of cigs per day
1063	HQV_22	Num	3		Anyone else in household smoke
1064	HQV_23	Num	3		Drink alcoholic beverages No/Yes
1065	HQV_24	Num	4		Number of years consuming alcoholic beverages
1075	HQV_26	Num	3		Change in body reaction to alcohol
1076	HQV_27	Num	3		Toleration of alcohol
1077	HQV_28	Num	3		Have drinking habits changed
1078	HQV_29	Char	10		What year did drinking habits change
1079	HQV_30	Num	4		What was the change in drinking habits
1096	HQV_32	Num	8		Spring/summer approximate hours per day window open
1097	HQV_33	Num	8		Spring/summer approximate hours of AC per day
1098	HQV_34	Num	8		Fall/winter approximate hours per day window open
1099	HQV_35	Num	4		Fall/winter approximate hours of AC per day
1100	HQV_36	Num	8		Average number of hours sleeping per night
1103	HQV_38	Num	3		Physical health affected by major life event
1104	HQV_39	Num	3		Mental health affected by major life event
1054	HQV_15_A	Num	4		Chemical exposure at home during hobby activity No/Yes
1055	HQV_15_B	Char	189		Chemical exposure at home description
1058	HQV_18_A	Char	4		Stop smoking month
1059	HQV_18_B	Num	4		Stop smoking year

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#	Variable	Type	Len	Format	Label
964	HQV_1_A1	Num	3		Employed full time
965	HQV_1_A2	Num	3		Unemployed
966	HQV_1_A3	Num	3		Full-Time Student
967	HQV_1_A4	Num	3		Retired
968	HQV_1_A5	Num	3		Employed part-time
969	HQV_1_A6	Num	3		Homemaker
970	HQV_1_A7	Num	3		Part-time student
971	HQV_1_A8	Num	3		Disabled
972	HQV_1_A9	Num	3		Other
973	HQV_1_B	Char	48		Work status other
1066	HQV_25_A_A	Num	3		Drink beer No/Yes
1067	HQV_25_A_B	Num	8		If yes, how many days per week
1068	HQV_25_A_C	Num	8		If yes, how many bottles per day
1069	HQV_25_B_A	Num	3		Drink wine No/Yes
1070	HQV_25_B_B	Num	8		If yes, how many days per week
1071	HQV_25_B_C	Num	8		If yes, how many glasses per day
1072	HQV_25_C_A	Num	3		Drink liquor No/Yes
1073	HQV_25_C_B	Num	8		If yes, how many days per week
1074	HQV_25_C_C	Num	8		If yes, how many 1.5oz shots per day
975	HQV_2_A_A	Num	4		If disabled month became disabled

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#	Variable	Type	Len	Format	Label
976	HQV_2_A_B	Num	4		If disabled year became disabled
977	HQV_2_B	Char	53		If disabled how became disabled
978	HQV_2_C_1_A	Char	47		If disabled job 1 position
979	HQV_2_C_1_B	Char	68		If disabled job 1 tasks
980	HQV_2_C_1_C	Char	15		If disabled job 1 duration
981	HQV_2_C_2_A	Char	9		Fheal
982	HQV_2_C_2_B	Char	30		If disabled job 2 tasks
983	HQV_2_C_2_C	Char	9		If disabled job 2 duration
1080	HQV_31_1_A	Num	8		Spring/summer avg outdoor hours per week day
1081	HQV_31_1_B	Num	8		Spring/summer ourdr hours of heavy physical exertion per week day
1082	HQV_31_1_C	Num	8		Spring/summer avg outdoor hours per weekend day
1083	HQV_31_1_D	Num	8		Spring/summer outdr hours of heavy physical exertion per weekend day
1084	HQV_31_2_A	Num	8		Spring/summer avg indoor hours per week day
1085	HQV_31_2_B	Num	8		Spring/summer indr hours of heavy physical exertion per week day
1086	HQV_31_2_C	Num	8		Spring/summer avg indoor hours per weekend day
1087	HQV_31_2_D	Num	8		Spring/summer indr hours of heavy physical exertion per weekend day
1088	HQV_31_3_A	Num	8		Fall/winter avg outdoor hours per week day

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#	Variable	Type	Len	Format	Label
1089	HQV_31_3_B	Num	8		Fall/winter outdr hours of heavy physical exertion per week day
1090	HQV_31_3_C	Num	8		Fall/winter avg outdoor hours per weekend day
1091	HQV_31_3_D	Num	8		Fall/winter outdr hours of heavy physical exertion per weekend day
1092	HQV_31_4_A	Num	8		Fall/winter avg indoor hours per week day
1093	HQV_31_4_B	Num	8		Fall/winter indr hours of heavy physical exertion per week day
1094	HQV_31_4_C	Num	8		Fall/winter avg indoor hours per weekend day
1095	HQV_31_4_D	Num	8		Fall/winter indr hours of heavy physical exertion per weekend day
1101	HQV_37_A	Num	3		Major life event in last 12 months No/Yes
1102	HQV_37_B	Char	181		If yes, description of major life event
984	HQV_3_A1	Num	4		If not currently Employed receiving: not receiving any benefits/assistance
985	HQV_3_A2	Num	4		Receiving retirement
986	HQV_3_A3	Num	4		Receiving disability
987	HQV_3_A4	Num	4		Receiving AFDC
988	HQV_3_A5	Num	4		Receiving General Assistance
989	HQV_3_A6	Num	4		Receiving SSI
990	HQV_3_A7	Num	4		Receiving Other
991	HQV_3_B	Char	28		Other (Specify)

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#	Variable	Type	Len	Format	Label
992	HQV_4_A_A	Char	45		Current or most recent employer name
993	HQV_4_A_B	Num	4		Current or most recent employer start year
994	HQV_4_A_C	Char	7		Current or most recent employer end year
995	HQV_4_A_D	Char	36		Current or most recent employer position
996	HQV_4_B_A	Char	37		Employer B name
997	HQV_4_B_B	Num	4		Employer B start year
998	HQV_4_B_C	Char	7		Employer B end year
999	HQV_4_B_D	Char	49		Employer B position
1000	HQV_4_C_A	Char	46		Employer C name
1001	HQV_4_C_B	Num	4		Employer C start year
1002	HQV_4_C_C	Char	7		Employer C end year
1003	HQV_4_C_D	Char	35		Employer C position
1004	HQV_4_D_A	Char	53		Employer D name
1005	HQV_4_D_B	Num	4		Employer D start year
1006	HQV_4_D_C	Num	4		Employer D end year
1007	HQV_4_D_D	Char	31		Employer D position
1008	HQV_4_E_A	Char	39		Employer E name
1009	HQV_4_E_B	Num	4		Employer E start year
1010	HQV_4_E_C	Num	4		Employer E end year
1011	HQV_4_E_D	Char	30		Employer E position

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#	Variable	Type	Len	Format	Label
1014	HQV_7_A	Num	4		Did any jobs involve chemical exposure No/Yes/Don't know
1015	HQV_7_B_A	Char	39		Chemical exposure employer 1 name
1016	HQV_7_B_B	Char	28		Chemical exposure employer 1 position
1017	HQV_7_B_C	Num	4		Chemical exposure employer 1 start year
1018	HQV_7_B_D	Char	7		Chemical exposure employer 1 end year
1019	HQV_7_B_E1	Num	3		employer 1 work exposure to solvents (yes/no)
1020	HQV_7_B_E2	Num	3		employer 1 exposure to pesticides (yes/no)
1021	HQV_7_B_E3	Num	3		employer 1 work exposure to metals (yes/no)
1022	HQV_7_B_E4	Num	3		employer 1 unsure of type of work exposure (yes/no)
1023	HQV_7_C_A	Char	43		Chemical exposure employer 2 name
1024	HQV_7_C_B	Char	44		Chemical exposure employer 2 position
1025	HQV_7_C_C	Num	4		Chemical exposure employer 2 start year
1026	HQV_7_C_D	Num	4		Chemical exposure employer 2 end year
1027	HQV_7_C_E1	Num	3		employer 2 work exposure to solvents (yes/no)
1028	HQV_7_C_E2	Num	3		employer 2 exposure to pesticides (yes/no)
1029	HQV_7_C_E3	Num	3		employer 2 work exposure to metals (yes/no)
1030	HQV_7_C_E4	Num	3		employer 2 unsure of type of work exposure (yes/no)
1031	HQV_7_D_A	Char	26		Chemical exposure employer 3 name
1032	HQV_7_D_B	Char	17		Chemical exposure employer 3 position



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#	Variable	Type	Len	Format	Label
1033	HQV_7_D_C	Num	4		Chemical exposure employer 3 start year
1034	HQV_7_D_D	Num	4		Chemical exposure employer 3 end year
1035	HQV_7_D_E1	Num	3		employer 3 work exposure to solvents (yes/no)
1036	HQV_7_D_E2	Num	3		employer 3 exposure to pesticides (yes/no)
1037	HQV_7_D_E3	Num	3		employer 3 work exposure to metals (yes/no)
1038	HQV_7_D_E4	Num	3		employer 3 unsure of type of work exposure (yes/no)
1039	HQV_7_E_A	Char	14		Chemical exposure employer 4 name
1040	HQV_7_E_B	Num	4		Chemical exposure employer 4 position
1041	HQV_7_E_C	Num	4		Chemical exposure employer 4 start year
1042	HQV_7_E_D	Num	4		Chemical exposure employer 4 end year
1043	HQV_7_E_E1	Num	3		employer 4 work exposure to solvents (yes/no)
1044	HQV_7_E_E2	Num	3		employer 4 exposure to pesticides (yes/no)
1045	HQV_7_E_E3	Num	3		employer 4 work exposure to metals (yes/no)
1046	HQV_7_E_E4	Num	3		employer 4 unsure of type of work exposure (yes/no)
593	HRT	Num	3		Had hormone replacement therapy (HRT)?
594	HRTyrs	Num	8		If yes, how long were you on HRT (yrs)
490	ICD_blood	Num	3		Number of blood illnesses diagnosed
506	ICD_bloodDI	Num	3		has blood illness
496	ICD_circulatory	Num	3		Number of circulatory illnesses diagnosed
512	ICD_circulatoryDI	Num	3		has circulatory illness

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#	Variable	Type	Len	Format	Label
489	ICD_digestive	Num	3		Number of digestive illnesses diagnosed
505	ICD_digestiveDI	Num	3		has digestive illness
491	ICD_endocrine	Num	3		Number of endocrine illnesses diagnosed
507	ICD_endocrineDI	Num	3		has endocrine illness
488	ICD_eye	Num	3		Number of eye illnesses diagnosed
504	ICD_eyeDI	Num	3		has eye illness
494	ICD_genitourinary	Num	3		Number of genitourinary illnesses diagnosed
510	ICD_genitourinaryDI	Num	3		has genitourinary illness
495	ICD_injury	Num	3		Number of injury illnesses diagnosed
511	ICD_injuryDI	Num	3		has injury illness
487	ICD_mental	Num	3		Number of mental illnesses diagnosed
503	ICD_mentalDI	Num	3		has mental illness
498	ICD_musculoskeletal	Num	3		Number of musculoskeletal illnesses diagnosed
514	ICD_musculoskeletalDI	Num	3		has musculoskeletal illness
486	ICD_neoplasms	Num	3		Number of neoplastic illnesses diagnosed
502	ICD_neoplasmsDI	Num	3		has neoplasms illness
492	ICD_nervous_system	Num	3		Number of nervous system illnesses diagnosed
508	ICD_nervous_systemDI	Num	3		has nervous system illness
499	ICD_other_findings	Num	3		Number of unclassified illnesses diagnosed
515	ICD_other_findingsDI	Num	3		has other unclassified illness

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#	Variable	Type	Len	Format	Label
485	ICD_parasites	Num	3		Number of parasitic illnesses diagnosed
501	ICD_parasitesDI	Num	3		has parasitic illness
497	ICD_respiratory	Num	3		Number of respiratory illnesses diagnosed
513	ICD_respiratoryDI	Num	3		has respiratory illness
493	ICD_skin	Num	3		Number of skin illnesses diagnosed
509	ICD_skinDI	Num	3		has skin illness
500	ICD_total	Num	3		Number of total illnesses
516	ICD_totalDI	Num	3		has illness
19	Inv_distance_sq	Num	8		Inverse squared distance from the source
1350	LHCFimp	Num	3		LH Tremor Center Frequency Impairment Category
1352	LHHIimp	Num	3		LH Tremor Harmonic Index Impairment Category
1351	LHSDCFimp	Num	3		LH Tremor Standard Deviation of the Center Frequency Impairment Category
1349	LHTIimp	Num	3		LH Tremor Intensity Impairment Category
51	Ln_MnToenail	Num	8		Natural logarithm of Mn in toenails
1317	Ln_S1A	Num	8		Natural Log Transformation S1A
1319	Ln_S1I	Num	8		Natural Log Transformation S1I
1314	Ln_S1M	Num	8		Natural Log Transformation S1M
1316	Ln_S1Sy	Num	8		Natural Log Transformation S1Sy
1315	Ln_S1Tx	Num	8		Natural Log Transformation S1Tx

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#	Variable	Type	Len	Format	Label
1318	Ln_S1V	Num	8		Natural Log Transformation S1V
1323	Ln_S3A	Num	8		Natural Log Transformation S3A
1325	Ln_S3I	Num	8		Natural Log Transformation S3I
1320	Ln_S3M	Num	8		Natural Log Transformation S3M
1322	Ln_S3Sy	Num	8		Natural Log Transformation S3Sy
1321	Ln_S3Tx	Num	8		Natural Log Transformation S3Tx
1324	Ln_S3V	Num	8		Natural Log Transformation S3V
1527	Log10SleepHrs	Num	8		Log transformed (base 10) hours of sleep per night
1515	Log_Cd	Num	8		Log tranformed Cd levels
1516	Log_Hg	Num	8		Log tranformed Hg levels
948	MED_ICD_Blood_Binary	Num	3		taking blood medications (Y/N)
931	MED_ICD_Blood_Count	Num	3		# of blood medications taken
949	MED_ICD_Circulatory_Binary	Num	3		taking circulatory medications (Y/N)
932	MED_ICD_Circulatory_Count	Num	3		# of circulatory medications taken
950	MED_ICD_Digestive_Binary	Num	3		taking digestive medications (Y/N)
933	MED_ICD_Digestive_Count	Num	3		# of digestive medications taken
951	MED_ICD_Endocrine_Binary	Num	3		taking endocrine medications (Y/N)
934	MED_ICD_Endocrine_Count	Num	3		# of endocrine medications taken
952	MED_ICD_Eye_Binary	Num	3		taking eye medication (Y/N)
935	MED_ICD_Eye_count	Num	3		# of eye medications taken

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#	Variable	Type	Len	Format	Label
953	MED_ICD_Genitourinary_Binary	Num	3		taking genitourinary medications (Y/N)
936	MED_ICD_Genitourinary_Count	Num	3		# of genitourinary medications taken
963	MED_ICD_Hormones_Binary	Num	3		taking hormone medication (Y/N)
946	MED_ICD_Hormones_Count	Num	3		# of hormone medicaitons taken
954	MED_ICD_Injury_Binary	Num	3		taking medications for an injury (Y/N)
937	MED_ICD_Injury_Count	Num	3		# of injury medications taken
955	MED_ICD_Mental_Binary	Num	3		taking mental medications (Y/N)
938	MED_ICD_Mental_count	Num	3		# of mental medications taken
956	MED_ICD_Musculoskeletal_Binary	Num	3		taking musculoskeletal medications (Y/N)
939	MED_ICD_Musculoskeletal_count	Num	3		# of musculoskeletal medications taken
958	MED_ICD_Nervous_system_Binary	Num	3		taking nervous system medications (Y/N)
941	MED_ICD_Nervous_system_count	Num	3		# of nervous system taken
959	MED_ICD_Other_findings_Binary	Num	3		taking other medications (Y/N)
942	MED_ICD_Other_findings_count	Num	3		# of other medications taken
960	MED_ICD_Parasites_Binary	Num	3		taking parasite medicine (Y/N)
943	MED_ICD_Parasites_count	Num	3		# of parasites medications taken
961	MED_ICD_Respiratory_Binary	Num	3		taking respiratory medications (Y/N)
944	MED_ICD_Respiratory_count	Num	3		# of respiratory medications taken
962	MED_ICD_Skin_Binary	Num	3		taking skin medications (Y/N)
945	MED_ICD_Skin_Count	Num	3		# of skin medications taken

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#	Variable	Type	Len	Format	Label
947	MED_ICD_Total_Meds	Num	3		total # of medications taken
957	MED_ICD_neoplasms_Binary	Num	3		taking neoplasm medications (Y/N)
940	MED_ICD_neoplasms_count	Num	3		# of neoplasm medications taken
1195	MOTOR_FTDomDI	Num	3		Fingertapping Dominant Dichotomized Impairment ( $\geq 2$ SD below mean is of concern)
434	MOTOR_FTDomImp	Num	3		Fingertapping: dominant hand impairment
1519	MOTOR_FTDomImpDich	Num	3		Finger Tapping Dominant Impaired Dichotomous
432	MOTOR_FTDomZ	Num	8		Fingertapping: dominant hand z score (calculated from T score)
1196	MOTOR_FTNonDomDI	Num	3		Fingertapping non-dominant Dichotomized Impairment ( $\geq 2$ SD below mean is of concern))
435	MOTOR_FTNonDomImp	Num	3		Fingertapping: nondominant hand impairment
1520	MOTOR_FTNonDomImpDich	Num	3		Finger Tapping Non Dominant Impairment Dichotomous
433	MOTOR_FTNonDomZ	Num	8		Fingertapping: nondominant hand z score (calculated from T score)
1197	MOTOR_dynDomDI	Num	3		Dynamometer Dominant Dichotomized Impairment ( $\geq 2$ SD below mean is of concern)
442	MOTOR_dynDomImp	Num	3		Dynamometer: dominant hand impairment
440	MOTOR_dynDomZ	Num	8		Dynamometer: dominant hand z score (calculated from T score)
1198	MOTOR_dynNonDomDI	Num	3		Dynamometer non-dominant Dichotomized Impairment ( $\geq 2$ SD below mean is of concern)

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#	Variable	Type	Len	Format	Label
443	MOTOR_dynNonDomImp	Num	3		Dynamometer: nondominant hand impairment
441	MOTOR_dynNonDomZ	Num	8		Dynamometer: nondominant hand z score (calculated from T score)
436	MOTOR_dynaDom	Num	8		Dynamometer: dominant hand
438	MOTOR_dynaDomT	Num	3		Dynamometer: dominant hand T score
1465	MOTOR_dynaDomT_10cutoff	Num	4		Dynamometer: dominant hand T score 10%ile cutoff
1471	MOTOR_dynaDomT_25cutoff	Num	4		Dynamometer: dominant hand T score 25%ile cutoff
437	MOTOR_dynaNonDom	Num	8		Dynamometer: nondominant hand
439	MOTOR_dynaNonDomT	Num	3		Dynamometer: nondominant hand T score
1466	MOTOR_dynaNonDomT_10cutoff	Num	4		Dynamometer: nondominant hand T score 10%ile cutoff
1472	MOTOR_dynaNonDomT_25cutoff	Num	4		Dynamometer: nondominant hand T score 25%ile cutoff
428	MOTOR_fingerTapDom	Num	8		Fingertapping: dominant hand
1525	MOTOR_fingerTapDomDich1_5SDcut	Num	3		Finger Tapping dominant dichotomous 1.5SD cut-off
429	MOTOR_fingerTapDomT	Num	8		Fingertapping: dominant hand T score
1463	MOTOR_fingerTapDomT_10cutoff	Num	4		Fingertapping: dominant hand T score 10%ile cutoff
1469	MOTOR_fingerTapDomT_25cutoff	Num	4		Fingertapping: dominant hand T score 25%ile cutoff
430	MOTOR_fingerTapNonDom	Num	8		Fingertapping: nondominant hand
431	MOTOR_fingerTapNonDomT	Num	3		Fingertapping: nondominant hand T score
1464	MOTOR_fingerTapNonDomT_10cutoff	Num	4		Fingertapping: nondominant hand T score 10%ile cutoff
1470	MOTOR_fingerTapNonDomT_25cutoff	Num	4		Fingertapping: nondominant hand T score 25%ile cutoff

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#	Variable	Type	Len	Format	Label
444	MOTOR_groovePegDomSec	Num	4		Grooved Pegboard: dominant hand: seconds
445	MOTOR_groovePegDomT	Num	3		Grooved Pegboard: dominant hand T Score
1467	MOTOR_groovePegDomT_10cutoff	Num	4		Grooved Pegboard: dominant hand T Score 10%ile cutoff
1473	MOTOR_groovePegDomT_25cutoff	Num	4		Grooved Pegboard: dominant hand T Score 25%ile cutoff
446	MOTOR_groovePegNonDomSec	Num	4		Grooved Pegboard: nondominant hand: seconds
447	MOTOR_groovePegNonDomT	Num	3		Grooved Pegboard: nondominant hand T Score
1468	MOTOR_groovePegNonDomT_10cutoff	Num	4		Grooved Pegboard: nondominant hand T Score 10%ile cutoff
1474	MOTOR_groovePegNonDomT_25cutoff	Num	4		Grooved Pegboard: nondominant hand T Score 25%ile cutoff
1193	MOTOR_grvpegDomDI	Num	3		Grooved pegboard Dominant Dichotomized Impairment (>= 2 SD below mean is of concern)
450	MOTOR_grvpegDomImp	Num	3		Grooved Pegboard: dominant hand impairment
448	MOTOR_grvpegDomZ	Num	8		Grooved Pegboard: dominant hand z score (calculated from T score)
1194	MOTOR_grvpegNonDomDI	Num	3		Grooved pegboard non-dominant dichotomized impairment (>= 2 SD below mean is of concern)
451	MOTOR_grvpegNonDomImp	Num	3		Grooved Pegboard: nondominant hand impairment
449	MOTOR_grvpegNonDomZ	Num	8		Grooved Pegboard: nondominant hand z score (calculated from T score)
1155	MTCFLH	Num	8		Mean Tremor test left hand: Center Frequency



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#	Variable	Type	Len	Format	Label
1503	MTCFLH_Imp_75	Num	3		Left Hand Tremor Center Frequency age-adjusted Dichotomized Impaired 75th percentile
1150	MTCFRH	Num	8		Mean Tremor test right hand: Center Frequency
1504	MTCFRH_Imp_75	Num	3		Right Hand Tremor Center Frequency age-adjusted Dichotomized Impaired 75th percentile
1157	MTHILH	Num	8		Mean Tremor test left hand: Harmonic Index
1507	MTHILH_Imp_75	Num	3		Left Hand Tremor Harmonic Index age-adjusted Dichotomized Impaired 75th percentile
1152	MTHIRH	Num	8		Mean Tremor test right hand: Harmonic Index
1508	MTHIRH_Imp_75	Num	3		Right Hand Tremor Harmonic Index age-adjusted Dichotomized Impaired 75th percentile
1158	MTHItLH	Num	8		Mean Tremor test left hand:transformed Harmonic Index (-log (1-HI))
1153	MTHItRH	Num	8		Mean Tremor test right hand:transformed Harmonic Index (-log (1-HI))
1154	MTINLH	Num	8		Mean Tremor test left hand: Tremor intensity
1499	MTINLH_Imp	Num	3		Left Hand Tremor Intensity age-adjusted Dichotomized Impaired for feedback letters (>2 SD)
1501	MTINLH_Imp_75	Num	3		Left Hand Tremor Intensity age-adjusted Dichotomized Impaired 75th percentile
1149	MTIRH	Num	8		Mean Tremor test right hand: Tremor intensity
1500	MTIRH_Imp	Num	3		Right Hand Tremor Intensity age-adjusted Dichotomized Impaired for feedback letters (>2 SD)

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#	Variable	Type	Len	Format	Label
1502	MTIRH_Imp_75	Num	3		Right Hand Tremor Intensity age-adjusted Dichotomized Impaired 75th percentile
1156	MTSDLH	Num	8		Mean Tremor test left hand: Std. deviation
1505	MTSDLH_Imp_75	Num	3		Left Hand Tremor Standard Deviation age-adjusted Dichotomized Impaired 75th percentile
1151	MTSDRH	Num	8		Mean Tremor test right hand: Std. deviation
1506	MTSDRH_Imp_75	Num	3		Right Hand Tremor Standard Deviation age-adjusted Dichotomized Impaired 75th percentile
1124	MWeight	Num	8		mean weight
589	Menopausal	Num	3		Menopausal status (pre, meno, post)
600	Miscarriages	Char	12		How many Miscarriages/stillbirths?
1529	MnB_Age_Inter	Num	8		MnB*Age Interaction Term - not centered
76	MnB_for_plots	Num	3		Mn in Blood for plots
1513	MnBlood_log	Num	8		Log transformed MnB
73	MnCentxlogferrCent	Num	8		Mn centered*Log of ferritin centered interaction
74	MnTownxlogferrTown	Num	8		Mn centered by town*log of ferritin centered by town interaction
75	MnXDMT	Num	8		Mn blood x DMT
1526	Motor_fingerTapNonDomDich1_5SDcu	Num	3		Finger Tapping non dominant dichotomous 1.5SD cut-off
224	NAB_DLM_drc	Num	3		NAB Daily Living Memory Delayed Recall: raw score
1245	NAB_DLM_drc_DI	Num	3		NAB Daily Living Memory Delayed recall Dichotomized impairment(<=2nd percentile is of concern)

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#	Variable	Type	Len	Format	Label
234	NAB_DLM_drc_T	Num	3		NAB Daily Living Memory Delayed Recall: T score
1390	NAB_DLM_drc_T_10cutoff	Num	4		NAB Daily Living Memory Delayed Recall: T score 10%ile cutoff
1418	NAB_DLM_drc_T_25cutoff	Num	4		NAB Daily Living Memory Delayed Recall: T score 25%ile cutoff
244	NAB_DLM_drc_pr	Num	3		NAB Daily Living Memory Delayed Recall: percentile ranking
268	NAB_DLM_drg	Num	3		NAB Daily Living Memory Delayed Recognition: raw score
1247	NAB_DLM_drg_DI	Num	3		NAB Daily Living Memory Delayed Recognition Dichotomized impairment(<=2nd percentile is of concern)
300	NAB_DLM_drg_pr	Num	3		NAB Daily Living Memory Delayed Recognition: percentile ranking
223	NAB_DLM_irc	Num	3		NAB Daily Living Memory Immediate Recall: raw score
1244	NAB_DLM_irc_DI	Num	3		NAB Daily Living Memory Immediate recall Dichotomized impairment(<=2nd percentile is of concern)
233	NAB_DLM_irc_T	Num	3		NAB Daily Living Memory Immediate Recall: T score
1389	NAB_DLM_irc_T_10cutoff	Num	4		NAB Daily Living Memory Immediate Recall: T score 10%ile cutoff
1417	NAB_DLM_irc_T_25cutoff	Num	4		NAB Daily Living Memory Immediate Recall: T score 25%ile cutoff
243	NAB_DLM_irc_pr	Num	3		NAB Daily Living Memory Immediate Recall: percentile ranking

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#	Variable	Type	Len	Format	Label
267	NAB_DLM_rt	Num	4		NAB Daily Living Memory Retention: raw score
1246	NAB_DLM_rt_DI	Num	3		NAB Daily Living Memory Retention Dichotomized impairment(<=2nd percentile is of concern)
298	NAB_DLM_rt_pr	Num	3		NAB Daily Living Memory Retention: percentile ranking
299	NAB_DLM_rt_z	Num	8		NAB Daily Living Memory Retention z score
269	NAB_DLM_rvr	Num	4		NAB Daily Living Memory Recall vs Recognition: raw score
1248	NAB_DLM_rvr_DI	Num	3		NAB Daily Living Memory Recall vs. Recognition Dichotomized impairment(<=2nd percentile is of concern)
301	NAB_DLM_rvr_pr	Num	3		NAB Daily Living Memory Recall vs Recognition: percentile ranking
245	NAB_LLA1_irc	Num	3		NAB List Learning List A Trial 1 Immediate Recall: raw score
1214	NAB_LLA1_irc_DI	Num	3		NAB List A Trial 1 immediate recall Dichotomized impairment (<=2nd percentile is of concern)
276	NAB_LLA1_irc_pr	Num	3		NAB List Learning List A Trial 1 Immediate Recall: percentile ranking
246	NAB_LLA2_irc	Num	3		NAB List Learning List A Trial 2 Immediate Recall: raw score
1215	NAB_LLA2_irc_DI	Num	3		NAB List A Trial 2 immediate recall Dichotomized impairment (<=2nd percentile is of concern)
277	NAB_LLA2_irc_pr	Num	3		NAB List Learning List A Trial 2 Immediate Recall: percentile ranking

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#	Variable	Type	Len	Format	Label
247	NAB_LLA3_irc	Num	3		NAB List Learning List A Trial 3 Immediate Recall: raw score
1216	NAB_LLA3_irc_DI	Num	3		NAB List A Trial 3 immediate recall Dichotomized impairment (<=2nd percentile is of concern)
278	NAB_LLA3_irc_pr	Num	3		NAB List Learning List A Trial 3 Immediate Recall: percentile ranking
249	NAB_LLA_dfc	Num	3		NAB List Learning List A Long Delayed Forced Choice Recognition: raw score
1222	NAB_LLA_dfc_DI	Num	3		NAB List A long delay forced-choice recognition Dichotomized impairment (<=2nd percentile is of concern)
280	NAB_LLA_dfc_pr	Num	3		NAB List Learning List A Long Delayed Forced Choice Recognition: percentile ranking
251	NAB_LLA_dis	Num	3		NAB List Learning List A Long Discriminability Index: raw score
1224	NAB_LLA_dis_DI	Num	3		NAB List A discriminability index Dichotomized impairment (<=2nd percentile is of concern)
282	NAB_LLA_dis_pr	Num	3		NAB List Learning List A Long Discriminability Index: percentile ranking
250	NAB_LLA_fa	Num	3		NAB List Learning List A Long Delayed Forced Choice Recognition False Alarm: raw score
1223	NAB_LLA_fa_DI	Num	3		NAB List A long delay recognition false alarms Dichotomized impairment (<=2nd percentile is of concern)
281	NAB_LLA_fa_pr	Num	3		NAB List Learning List A Long Delayed Forced Choice Recognition False Alarm: percentile ranking

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#	Variable	Type	Len	Format	Label
215	NAB_LLA_irc	Num	3		NAB List Learning List A Immediate Recall: raw score
1217	NAB_LLA_irc_DI	Num	3		NAB List A Immediate recall Dichotomized impairment (<=2nd percentile is of concern)
225	NAB_LLA_irc_T	Num	3		NAB List Learning List A Immediate Recall: T score
1381	NAB_LLA_irc_T_10cutoff	Num	4		NAB List Learning List A Immediate Recall: T score 10%ile cutoff
1409	NAB_LLA_irc_T_25cutoff	Num	4		NAB List Learning List A Immediate Recall: T score 25%ile cutoff
235	NAB_LLA_irc_pr	Num	3		NAB List Learning List A Trial 2 Immediate Recall: percentile ranking
218	NAB_LLA_ld_drc	Num	3		NAB List Learning List A Long Delayed Recall: raw score
1220	NAB_LLA_ld_drc_DI	Num	3		NAB List A Long Delayed Recall Dichotomized impairment (<=2nd percentile is of concern)
228	NAB_LLA_ld_drc_T	Num	3		NAB List Learning List A Long Delayed Recall: T score
1384	NAB_LLA_ld_drc_T_10cutoff	Num	4		NAB List Learning List A Long Delayed Recall: T score 10%ile cutoff
1412	NAB_LLA_ld_drc_T_25cutoff	Num	4		NAB List Learning List A Long Delayed Recall: T score 25%ile cutoff
238	NAB_LLA_ld_drc_pr	Num	3		NAB List Learning List A Long Delayed Recall: percentile ranking
248	NAB_LLA_prt	Num	4		NAB List Learning List A Percent Retention: raw score
1221	NAB_LLA_prt_DI	Num	3		NAB List A % Retention Dichotomized impairment (<=2nd percentile is of concern)

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#	Variable	Type	Len	Format	Label
279	NAB_LLA_prt_pr	Num	3		NAB List Learning List A Percent Retention: percentile ranking
252	NAB_LLA_rvr	Num	4		NAB List Learning List A Recall vs Recognition Index: raw score
1225	NAB_LLA_rvr_DI	Num	3		NAB List A recognition index Dichotomized impairment (<=2nd percentile is of concern)
283	NAB_LLA_rvr_pr	Num	3		NAB List Learning List A Recall vs Recognition Index: percentile ranking
217	NAB_LLA_sd_drc	Num	3		NAB List Learning List A Short Delayed Recall: raw score
1219	NAB_LLA_sd_drc_DI	Num	3		NAB List A Short Delayed Recall Dichotomized impairment (<=2nd percentile is of concern)
227	NAB_LLA_sd_drc_T	Num	3		NAB List Learning List A Short Delayed Recall: T score
1383	NAB_LLA_sd_drc_T_10cutoff	Num	4		NAB List Learning List A Short Delayed Recall: T score 10%ile cutoff
1411	NAB_LLA_sd_drc_T_25cutoff	Num	4		NAB List Learning List A Short Delayed Recall: T score 25%ile cutoff
237	NAB_LLA_sd_drc_pr	Num	3		NAB List Learning List A Short Delayed Recall: percentile ranking
216	NAB_LLB_irc	Num	3		NAB List Learning List B Immediate Recall: raw score
1218	NAB_LLB_irc_DI	Num	3		NAB List B Immediate recall Dichotomized impairment (<=2nd percentile is of concern)
226	NAB_LLB_irc_T	Num	3		NAB List Learning List B Immediate Recall: T score

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 Alphabetic List of Variables

#	Variable	Type	Len	Format	Label
1382	NAB_LL_B_irc_T_10cutoff	Num	4		NAB List Learning List B Immediate Recall: T score 10%ile cutoff
1410	NAB_LL_B_irc_T_25cutoff	Num	4		NAB List Learning List B Immediate Recall: T score 25%ile cutoff
236	NAB_LL_B_irc_pr	Num	3		NAB List Learning List B Immediate Recall: percentile
310	NAB_LL_int	Num	3		NAB List Learning Intrusions
309	NAB_LL_psv	Num	3		NAB List Learning Perseverations
308	NAB_LL_sem	Num	3		NAB List Learning Semantic Clusters
271	NAB_MED_drc	Num	3		NAB Medication Instructions Delayed Recall: raw score
1250	NAB_MED_drc_DI	Num	3		NAB Medication Instructions Delayed Recall Dichotomized impairment(<=2nd percentile is of concern)
303	NAB_MED_drc_pr	Num	3		NAB Medication Instructions Delayed Recall: percentile ranking
272	NAB_MED_drg	Num	3		NAB Medication Instructions Delayed Recognition: raw score
1251	NAB_MED_drg_DI	Num	3		NAB Medication Instructions Delayed Recognition Dichotomized impairment(<=2nd percentile is of concern)
304	NAB_MED_drg_pr	Num	3		NAB Medication Instructions Delayed Recognition: percentile ranking
270	NAB_MED_irc	Num	3		NAB Medication Instructions Immediate Recall: raw score
1249	NAB_MED_irc_DI	Num	3		NAB Medication Instructions Immediate Recall Dichotomized impairment(<=2nd percentile is of concern)



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#	Variable	Type	Len	Format	Label
302	NAB_MED_irc_pr	Num	3		NAB Medication Instructions Immediate Recall: percentile ranking
1213	NAB_MEM_DI	Num	3		NAB Memory Index dichotomized impairment (<=2nd percentile is of concern)
214	NAB_MEM_pr	Num	8		NAB Memory Index (MEM) Percentile Ranking
213	NAB_MEM_ss	Num	4		NAB Memory Index (MEM) Standard Score
1380	NAB_MEM_ss_10cutoff	Num	4		NAB Memory Index (MEM) Standard Score 10%ile cutoff
1408	NAB_MEM_ss_25cutoff	Num	4		NAB Memory Index (MEM) Standard Score 25%ile cutoff
274	NAB_NAP_drc	Num	3		NAB Name/Address/Phone Delayed Recall: raw score
1253	NAB_NAP_drc_DI	Num	3		NAB Name/Address/Phone Delayed Recall Dichotomized impairment(<=2nd percentile is of concern)
306	NAB_NAP_drc_pr	Num	3		NAB Name/Address/Phone Delayed Recall: percentile ranking
275	NAB_NAP_drg	Num	3		NAB Name/Address/Phone Delayed Recognition: raw score
1254	NAB_NAP_drg_DI	Num	3		NAB Name/Address/Phone Delayed Recognition Dichotomized impairment(<=2nd percentile is of concern)
307	NAB_NAP_drg_pr	Num	3		NAB Name/Address/Phone Delayed Recognition: percentile ranking
273	NAB_NAP_irc	Num	3		NAB Name/Address/Phone Immediate Recall: raw score
1252	NAB_NAP_irc_DI	Num	3		NAB Name/Address/Phone Immediate Recall Dichotomized impairment(<=2nd percentile is of concern)

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#	Variable	Type	Len	Format	Label
305	NAB_NAP_irc_pr	Num	3		NAB Name/Address/Phone Delayed Recall: percentile ranking
253	NAB_SHL1_irg	Num	3		NAB Shape Learning Trial 1 Immediate Recognition: raw score
1226	NAB_SHL1_irg_DI	Num	3		NAB Shape Learning Trial 1 Immediate Dichotomized impairment (<=2nd percentile is of concern)
284	NAB_SHL1_irg_pr	Num	3		NAB Shape Learning Trial 1 Immediate Recognition: percentile ranking
254	NAB_SHL2_irg	Num	3		NAB Shape Learning Trial 2 Immediate Recognition: raw score
1227	NAB_SHL2_irg_DI	Num	3		NAB Shape Learning Trial 2 Immediate Dichotomized impairment (<=2nd percentile is of concern)
285	NAB_SHL2_irg_pr	Num	3		NAB Shape Learning Trial 2 Immediate Recognition: percentile ranking
255	NAB_SHL3_irg	Num	3		NAB Shape Learning Trial 3 Immediate Recognition: raw score
1228	NAB_SHL3_irg_DI	Num	3		NAB Shape Learning Trial 3 Immediate Dichotomized impairment (<=2nd percentile is of concern)
286	NAB_SHL3_irg_pr	Num	3		NAB Shape Learning Trial 3 Immediate Recognition: percentile ranking
257	NAB_SHL_dfc	Num	3		NAB Shape Learning Delayed Forced Choice Recognition: raw score
1232	NAB_SHL_dfc_DI	Num	3		NAB Shape Learning Delayed forced-choice recognition Dichotomized impairment (<=2nd percentile is of concern)

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#	Variable	Type	Len	Format	Label
288	NAB_SHL_dfc_pr	Num	3		NAB Shape Learning Delayed Forced Choice Recognition: percentile ranking
259	NAB_SHL_dis	Num	3		NAB Shape Learning Discriminability Index: raw score
1234	NAB_SHL_dis_DI	Num	3		NAB Shape Learning discriminability index Dichotomized impairment (<=2nd percentile is of concern)
290	NAB_SHL_dis_pr	Num	3		NAB Shape Learning Discriminability Index: percentile ranking
220	NAB_SHL_drg	Num	3		NAB Shape Learning Delayed Recognition: raw score
1230	NAB_SHL_drg_DI	Num	3		NAB Shape Learning Delayed Recall Dichotomized impairment (<=2nd percentile is of concern)
230	NAB_SHL_drg_T	Num	3		NAB Shape Learning Delayed Recognition: T score
1386	NAB_SHL_drg_T_10cutoff	Num	4		NAB Shape Learning Delayed Recognition: T score 10%ile cutoff
1414	NAB_SHL_drg_T_25cutoff	Num	4		NAB Shape Learning Delayed Recognition: T score 25%ile cutoff
240	NAB_SHL_drg_pr	Num	3		NAB Shape Learning Delayed Recognition: percentile ranking
258	NAB_SHL_fa	Num	3		NAB Shape Learning Delayed Forced Choice Recognition False Alarms: raw score
1233	NAB_SHL_fa_DI	Num	3		NAB Shape Learning Delayed recognition false alarms Dichotomized impairment (<=2nd percentile is of concern)
289	NAB_SHL_fa_pr	Num	3		NAB Shape Learning Delayed Forced Choice Recognition False Alarms: percentile ranking

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#	Variable	Type	Len	Format	Label
219	NAB_SHL_irg	Num	3		NAB Shape Learning Immediate Recognition: raw score
1229	NAB_SHL_irg_DI	Num	3		NAB Shape Learning Immediate Recall Dichotomized impairment (<=2nd percentile is of concern)
229	NAB_SHL_irg_T	Num	3		NAB Shape Learning Immediate Recognition: T score
1385	NAB_SHL_irg_T_10cutoff	Num	4		NAB Shape Learning Immediate Recognition: T score 10%ile cutoff
1413	NAB_SHL_irg_T_25cutoff	Num	4		NAB Shape Learning Immediate Recognition: T score 25%ile cutoff
239	NAB_SHL_irg_pr	Num	3		NAB Shape Learning Immediate Recognition: percentile ranking
256	NAB_SHL_prt	Num	4		NAB Shape Learning Percentile Retention: raw score
1231	NAB_SHL_prt_DI	Num	3		NAB Shape Learning % Retention Dichotomized impairment (<=2nd percentile is of concern)
287	NAB_SHL_prt_pr	Num	3		NAB Shape Learning Percentile Retention: percentile ranking
260	NAB_STL1_irc_phu	Num	3		NAB Story Learning Trial 1 Phase Unit: raw score
1235	NAB_STL1_irc_phu_DI	Num	3		NAB Story Trial 1 Phrase Unit immediate recall Dichotomized impairment (<=2nd percentile is of concern)
291	NAB_STL1_irc_phu_pr	Num	3		NAB Story Learning Trial 1 Phase Unit: percentile ranking
263	NAB_STL1_irc_thu	Num	3		NAB Story Learning Trial 1 Thematic Unit: raw score
1239	NAB_STL1_irc_thu_DI	Num	3		NAB Story Trial 1 Thematic Unit immediate recall Dichotomized impairment(<=2nd percentile is of concern)

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#	Variable	Type	Len	Format	Label
294	NAB_STL1_irc_thu_pr	Num	3		NAB Story Learning Trial 1 Thematic Unit: percentile ranking
261	NAB_STL2_irc_phu	Num	3		NAB Story Learning Trial 2 Phase Unit: raw score
1236	NAB_STL2_irc_phu_DI	Num	3		NAB Story Trial 2 Phrase Unit immediate recall Dichotomized impairment (<=2nd percentile is of concern)
292	NAB_STL2_irc_phu_pr	Num	3		NAB Story Learning Trial 2 Phase Unit: percentile ranking
264	NAB_STL2_irc_thu	Num	3		NAB Story Learning Trial 2 Thematic Unit: raw score
1240	NAB_STL2_irc_thu_DI	Num	3		NAB Story Trial 2 Thematic Unit immediate recall Dichotomized impairment (<=2nd percentile is of concern)
295	NAB_STL2_irc_thu_pr	Num	3		NAB Story Learning Trial 2 Thematic Unit: percentile ranking
222	NAB_STL_drc_phu	Num	3		NAB Story Learning Phase Unit Delayed Recall: raw score
1241	NAB_STL_drc_phu_DI	Num	3		NAB Story Phase Unit delayed recall Dichotomized impairment(<=2nd percentile is of concern)
232	NAB_STL_drc_phu_T	Num	3		NAB Story Learning Phase Unit Delayed Recall: T score
1388	NAB_STL_drc_phu_T_10cutoff	Num	4		NAB Story Learning Phase Unit Delayed Recall: T score 10%ile cutoff
1416	NAB_STL_drc_phu_T_25cutoff	Num	4		NAB Story Learning Phase Unit Delayed Recall: T score 25%ile cutoff
242	NAB_STL_drc_phu_pr	Num	3		NAB Story Learning Phase Unit Delayed Recall: percentile ranking
265	NAB_STL_drc_thu	Num	3		NAB Story Learning Thematic Unit Delayed Recall: raw score

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#	Variable	Type	Len	Format	Label
1242	NAB_STL_drc_thu_DI	Num	3		NAB Story Thematic Unit delayed recall Dichotomized impairment(<=2nd percentile is of concern)
296	NAB_STL_drc_thu_pr	Num	3		NAB Story Learning Thematic Unit Delayed Recall: percentile ranking
221	NAB_STL_irc_phu	Num	3		NAB Story Learning Phase Unit Immediate Recall: raw score
1237	NAB_STL_irc_phu_DI	Num	3		NAB Story Phrase Unit immediate recall Dichotomized impairment (<=2nd percentile is of concern)
231	NAB_STL_irc_phu_T	Num	3		NAB Story Learning Phase Unit Immediate Recall: T score
1387	NAB_STL_irc_phu_T_10cutoff	Num	4		NAB Story Learning Phase Unit Immediate Recall: T score 10%ile cutoff
1415	NAB_STL_irc_phu_T_25cutoff	Num	4		NAB Story Learning Phase Unit Immediate Recall: T score 25%ile cutoff
241	NAB_STL_irc_phu_pr	Num	3		NAB Story Learning Phase Unit Immediate Recall: percentile ranking
262	NAB_STL_irc_thu	Num	3		NAB Story Learning Thematic Unit Immediate Recall: raw score
1238	NAB_STL_irc_thu_DI	Num	3		NAB Story Thematic Unit immediate recall Dichotomized impairment (<=2nd percentile is of concern)
293	NAB_STL_irc_thu_pr	Num	3		NAB Story Learning Thematic Unit Immediate Recall: percentile ranking
266	NAB_STL_prt	Num	4		NAB Story Learning Phase Unit Percent Retention: raw score

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#	Variable	Type	Len	Format	Label
1243	NAB_STL_prt_DI	Num	3		NAB Story % Retention Dichotomized impairment (<=2nd percentile is of concern)
297	NAB_STL_prt_pr	Num	3		NAB Story Learning Phase Unit Percent Retention: percentile ranking
1282	Obese	Num	3		obesity using BMI cut-off of 30 kg/m2 or higher
1292	PHOB_SOM	Num	3		
427	PLINE_impairLevel	Num	3		Parallel lines: 3 level impairment
1210	PLINE_impairLevelDI	Num	3		Paralell Lines dichotomized Impairment (moderate-severe and severe is of concern)
426	PLINE_impairSevTrial2	Num	3		Parallel Lines: Trial 2 - impairment severity
1342	REI	Num	8		Respirable Exposure Index (Pm10*years_residency)
455	REY15_DI	Num	3		Rey 15 dichotomous impairment (Impaired/not impaired)
454	REY15_Imp	Num	3		Rey 15 Impairment (WNL, etc.)
458	REY15_Recog_Tot	Num	3		Rey 15 recognition total (correct-false alarms)
456	REY15_Recog_corr	Num	3		Rey 15 recognition correct items
457	REY15_Recog_fa	Num	3		Rey 15 recognition false alarms
459	REY15_recall_recog_tot	Num	3		Rey 15 recognition plus free recall
453	REY15_rows	Num	3		Rey15 Number of Rows Correct
452	REY15_total	Num	3		Rey 15 Total Items Correct
326	REYO_copyDI	Num	3		ReyO Copy dichotomous impairment
325	REYO_copyImp	Num	8		ReyO Copy impairment

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#	Variable	Type	Len	Format	Label
312	REYO_copyPerc	Num	3		ReyO COPY: percentile
311	REYO_copyRaw	Num	8		ReyO COPY: raw score
1434	REYO_copy_25cutoff	Num	4		Rey-O Copy Z score 25%ile cutoff
1373	REYO_copy_z	Num	8		Rey-O Copy z score
1209	REYO_delayDI	Num	3		Rey-O Delayed Dichotomized Impairment ( $\geq 2$ SD below mean is of concern))
320	REYO_delayImp	Num	3		ReyO DELAYED: Impairment Level
319	REYO_delayPerc	Num	3		ReyO DELAYED RECALL: percentile
317	REYO_delayRaw	Num	8		ReyO DELAYED RECALL: raw score
318	REYO_delayTcalc	Num	3		ReyO DELAYED RECALL: T-score (for analyses $<20 = 20$ )
1407	REYO_delayTcalc_10cutoff	Num	4		ReyO DELAYED RECALL: T-score (for analyses $<20 = 20$ ) 10%ile cutoff
1436	REYO_delayTcalc_25cutoff	Num	4		ReyO DELAYED RECALL: T-score (for analyses $<20 = 20$ ) 25%ile cutoff
324	REYO_delyDI	Num	3		ReyO Delayed recall impairment dichotomous
322	REYO_delyZ	Num	8		ReyO Delayed recall: z score (calculated from T score)
323	REYO_immdDI	Num	3		ReyO Immediate recall impairment dichotomous
321	REYO_immdZ	Num	8		ReyO Immediate recall: z score (calculated from T score)
1208	REYO_immedDI	Num	3		Rey-O Immediate Dichotomized Impairment ( $\geq 2$ SD below mean is of concern)
316	REYO_immedImp	Num	3		ReyO IMMEDIATE RECALL: Impairment Level



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#	Variable	Type	Len	Format	Label
315	REYO_immedPerc	Num	3		ReyO IMMEDIATE RECALL: percentile
313	REYO_immedRaw	Num	8		ReyO IMMEDIATE RECALL: raw score
314	REYO_immedTcalc	Num	3		ReyO IMMEDIATE RECALL: T-score (for analyses <20 = 20)
1406	REYO_immedTcalc_10cutoff	Num	4		ReyO IMMEDIATE RECALL: T-score (for analyses <20 = 20) 10%ile cutoff
1435	REYO_immedTcalc_25cutoff	Num	4		ReyO IMMEDIATE RECALL: T-score (for analyses <20 = 20) 25%ile cutoff
1346	RHCFimp	Num	3		RH Tremor Center Frequency Impairment Category
1348	RHHIimp	Num	3		RH Tremor Harmonic Index Impairment Category
1347	RHSDCFimp	Num	3		RH Tremor Standard Deviation of the Center Frequency Impairment Category
1345	RHTIimp	Num	3		RH Tremor Intensity Impairment Category
1163	S1A	Num	4		Sway 1: Sway Area
1478	S1A_75cutoff	Num	4		S1 Sway Area above and below 75th %ile cutoff
1365	S1Aimp	Num	3		EO Sway Area Impairment Category
1165	S1I	Num	8		Sway 1: Sway intensity
1480	S1I_75cutoff	Num	4		S1 Intensity above and below 75th %ile cutoff
1160	S1M	Num	8		Sway 1: Mean sway
1475	S1M_75cutoff	Num	4		S1 Mean sway above and below 75th %ile cutoff
1376	S1M_feedback	Num	3		S1M impairmet based on 2 Mt. V SD

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#	Variable	Type	Len	Format	Label
1353	S1Mimp	Num	3		EO Mean Sway Impairment Category
1162	S1Sy	Num	8		Sway 1: Saggital y
1477	S1Sy_75cutoff	Num	4		S1 Saggital sway y above and below 75th %ile cutoff
1361	S1Syimp	Num	3		EO Saggital Sway Impairment Category
1161	S1Tx	Num	8		Sway 1: Transversal x
1476	S1Tx_75cutoff	Num	4		S1 Transversal sway x above and below 75th %ile cutoff
1357	S1Tximp	Num	3		EO Transversal Sway Impairment Category
1164	S1V	Num	8		Sway 1: Sway velocity
1479	S1V_75cutoff	Num	4		S1 Velocity above and below 75th %ile cutoff
1377	S1V_feedback	Num	3		S1V impairmet based on 2 Mt. V SD
1369	S1Vimp	Num	3		EO Sway Velocity Impairment Category
1170	S2A	Num	4		Sway 2: Sway Area
1484	S2A_75cutoff	Num	4		S2 Sway Area above and below 75th %ile cutoff
1366	S2Aimp	Num	3		EC Sway Area Impairment Category
1172	S2I	Num	8		Sway 2: Sway intensity
1486	S2I_75cutoff	Num	4		S2 Intensity above and below 75th %ile cutoff
1167	S2M	Num	8		Sway 2: Mean sway
1481	S2M_75cutoff	Num	4		S2 Mean sway above and below 75th %ile cutoff
1354	S2Mimp	Num	3		EC Mean Sway Impairment Category
1169	S2Sy	Num	8		Sway 2: Saggital y

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#	Variable	Type	Len	Format	Label
1483	S2Sy_75cutoff	Num	4		S2 Saggital sway y above and below 75th %ile cutoff
1362	S2Syimp	Num	3		EC Saggital Sway Impairment Category
1168	S2Tx	Num	8		Sway 2: Transversal x
1482	S2Tx_75cutoff	Num	4		S2 Transversal sway x above and below 75th %ile cutoff
1358	S2Tximp	Num	3		EC Transversal Sway Impairment Category
1171	S2V	Num	8		Sway 2: Sway velocity
1485	S2V_75cutoff	Num	4		S2 Velocity above and below 75th %ile cutoff
1370	S2Vimp	Num	3		EC Sway Velocity Impairment Category
1177	S3A	Num	4		Sway 3: Sway Area
1490	S3A_75cutoff	Num	4		S3 Sway Area above and below 75th %ile cutoff
1367	S3Aimp	Num	3		FO Sway Area Impairment Category
1179	S3I	Num	8		Sway 3: Sway intensity
1492	S3I_75cutoff	Num	4		S3 Intensity above and below 75th %ile cutoff
1174	S3M	Num	8		Sway 3: Mean sway
1487	S3M_75cutoff	Num	4		S3 Mean sway above and below 75th %ile cutoff
1378	S3M_feedback	Num	3		S3M impairmet based on 2 Mt. V SD
1355	S3Mimp	Num	3		FO Mean Sway Impairment Category
1176	S3Sy	Num	8		Sway 3: Saggital y
1489	S3Sy_75cutoff	Num	4		S3 Saggital sway y above and below 75th %ile cutoff
1363	S3Syimp	Num	3		FO Saggital Sway Impairment Category

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#	Variable	Type	Len	Format	Label
1175	S3Tx	Num	8		Sway 3: Transversal x
1488	S3Tx_75cutoff	Num	4		S3 Transversal sway x above and below 75th %ile cutoff
1359	S3Tximp	Num	3		FO Transversal Sway Impairment Category
1178	S3V	Num	8		Sway 3: Sway velocity
1491	S3V_75cutoff	Num	4		S3 Velocity above and below 75th %ile cutoff
1379	S3V_feedback	Num	3		S3V impairmet based on 2 Mt. V SD
1371	S3Vimp	Num	3		FO Sway Velocity Impairment Category
1184	S4A	Num	4		Sway 4: Sway Area
1496	S4A_75cutoff	Num	4		S4 Sway Area above and below 75th %ile cutoff
1368	S4Aimp	Num	3		FC Sway Area Impairment Category
1186	S4I	Num	8		Sway 4: Sway intensity
1498	S4I_75cutoff	Num	4		S4 Intensity above and below 75th %ile cutoff
1181	S4M	Num	8		Sway 4: Mean sway
1493	S4M_75cutoff	Num	4		S4 Mean sway above and below 75th %ile cutoff
1356	S4Mimp	Num	3		FC Mean Sway Impairment Category
1183	S4Sy	Num	8		Sway 4: Saggital y
1495	S4Sy_75cutoff	Num	4		S4 Saggital sway y above and below 75th %ile cutoff
1364	S4Syimp	Num	3		FC Saggital Sway Impairment Category
1182	S4Tx	Num	8		Sway 4: Transversal x
1494	S4Tx_75cutoff	Num	4		S4 Transversal sway x above and below 75th %ile cutoff

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#	Variable	Type	Len	Format	Label
1360	S4Tximp	Num	3		FC Transversal Sway Impairment Category
1185	S4V	Num	8		Sway 4: Sway velocity
1497	S4V_75cutoff	Num	4		S4 Velocity above and below 75th %ile cutoff
1372	S4Vimp	Num	3		FC Sway Velocity Impairment Category
1200	STROOP_ColorDI	Num	3		Stroop Color Dichotomized Impairment ( $\geq 2$ SD below mean is of concern)
343	STROOP_ColorImp	Num	3		Stroop Color: Impairment
1201	STROOP_ColorWordDI	Num	3		Stroop Color-Word Dichotomized Impairment ( $\geq 2$ SD below mean is of concern)
344	STROOP_ColorWordImp	Num	3		Stroop Color Word: Impairment
341	STROOP_ColorWordZ	Num	8		Stroop Color Word: z score (calculated from T score)
340	STROOP_ColorZ	Num	8		Stroop Color: z score (calculated from T score)
1199	STROOP_WordDI	Num	3		Stroop Word Dichotomized Impairment ( $\geq 2$ SD below mean is of concern)
342	STROOP_WordImp	Num	3		Stroop Word: Impairment
339	STROOP_WordZ	Num	8		Stroop Word: z score (calculated from T score)
332	STROOP_colorErr	Num	3		Stroop Color: errors
334	STROOP_colorPerc	Num	8		Stroop Color: percentile
331	STROOP_colorRaw	Num	4		Stroop Color: raw score
333	STROOP_colorT	Num	3		Stroop Color: t-score
1398	STROOP_colorT_10cutoff	Num	4		Stroop Color: t-score 10%ile cutoff

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#	Variable	Type	Len	Format	Label
1426	STROOP_colorT_25cutoff	Num	4		Stroop Color: t-score 25%ile cutoff
336	STROOP_colorWordErr	Num	3		Stroop Color-Word: errors
338	STROOP_colorWordPerc	Num	8		Stroop Color-Word: percentile
335	STROOP_colorWordRaw	Num	3		Stroop Color-Word: raw score
337	STROOP_colorWordT	Num	3		Stroop Color-Word: t-score
1399	STROOP_colorWordT_10cutoff	Num	4		Stroop Color-Word: t-score 10%ile cutoff
1427	STROOP_colorWordT_25cutoff	Num	4		Stroop Color-Word: t-score 25%ile cutoff
328	STROOP_wordErr	Num	3		Stroop Word: errors
330	STROOP_wordPerc	Num	8		Stroop Word: percentile
327	STROOP_wordRaw	Num	4		Stroop Word: raw score
329	STROOP_wordT	Num	3		Stroop Word : t-score
1397	STROOP_wordT_10cutoff	Num	4		Stroop Word : t-score 10%ile cutoff
1425	STROOP_wordT_25cutoff	Num	4		Stroop Word : t-score 25%ile cutoff
199	SWLS_Cat	Num	3		Satisfaction with Live Scale: Category (calculated from syntax)
198	SWLS_Sum	Num	3		Satisfaction with Life Scale: Sum of 5 statements
528	SXQ_Anxiety	Num	3		Number of Anxiety symptoms
552	SXQ_AnxietyDI	Num	3		has anxiety symptoms
529	SXQ_Depression	Num	3		Number of Depression symptoms
553	SXQ_DepressionDI	Num	3		has depression symptoms

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#	Variable	Type	Len	Format	Label
532	SXQ_Dermatological	Num	3		Number of Dermatological symptoms
556	SXQ_DermatologicalDI	Num	3		has dermatological symptoms
533	SXQ_Gastrointestinal	Num	3		Number of Gastrointestinal symptoms
557	SXQ_GastrointestinalDI	Num	3		has gastrointestinal symptoms
538	SXQ_Headache_Chemical	Num	3		Number of headache and chemical symptoms
562	SXQ_Headache_ChemicalDI	Num	3		has chemical headache symptoms
527	SXQ_Memory_Concentration	Num	3		Number of Memory and concentration symptoms
551	SXQ_Memory_ConcentrationDI	Num	3		has memory and concentration symptoms
518	SXQ_Musculoskeletal	Num	3		Number of Musculoskeletal symptoms
542	SXQ_MusculoskeletalDI	Num	3		has Musculoskeletal symptoms
517	SXQ_Neurological	Num	3		Number of Neurological symptoms
541	SXQ_NeurologicalDI	Num	3		has neurological symptoms
526	SXQ_Other_Motor	Num	3		Number of Motor symptoms
550	SXQ_Other_MotorDI	Num	3		has other motor symptoms
536	SXQ_Others	Num	3		Number of other uncategorized symptoms
560	SXQ_OthersDI	Num	3		has other uncategorized symptoms
534	SXQ_Respiratory	Num	3		Number of Respiratory symptoms
558	SXQ_RespiratoryDI	Num	3		has respiratory symptoms
531	SXQ_Sensory	Num	3		Number of Sensory symptoms
555	SXQ_SensoryDI	Num	3		has sensory symptoms

Air Manganese Study – Air Manganese and Health Data  
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#	Variable	Type	Len	Format	Label
535	SXQ_Sexual	Num	3		Number of Sexual symptoms
559	SXQ_SexualDI	Num	3		has sexual symptoms
537	SXQ_SleepDisorder	Num	3		Number of Sleep disorder symptoms
561	SXQ_SleepDisorderDI	Num	3		has sleep disorder symptoms
540	SXQ_Total	Num	3		Number of Total symptoms
521	SXQ_UPDRSIII_Bradykinesia	Num	3		Number of Bradykinesia symptoms (UPDRS-related)
545	SXQ_UPDRSIII_BradykinesiaDI	Num	3		has updrs rigidity symptoms
523	SXQ_UPDRSIII_Others	Num	3		Number of Other symptoms (UPDRS-related)
547	SXQ_UPDRSIII_OthersDI	Num	3		has other updrs related symptoms
546	SXQ_UPDRSIII_Postural_Instabili0	Num	3		has updrs postural instability symptoms
522	SXQ_UPDRSIII_Postural_Instabilit	Num	3		Number of Postural symptoms (UPDRS-related)
520	SXQ_UPDRSIII_Rigidity	Num	3		Number of Rigidity symptoms (UPDRS-related)
544	SXQ_UPDRSIII_RigidityDI	Num	3		has updrs rigidity symptoms
519	SXQ_UPDRSIII_Tremor	Num	3		Number of Tremor symptoms (UPDRS-related)
543	SXQ_UPDRSIII_TremorDI	Num	3		has updrs tremor symptoms
524	SXQ_UPDRSII_ADL	Num	3		Number of ADL symptoms (UPDRS-related)
548	SXQ_UPDRSII_ADLDI	Num	3		has updrs adl symptoms
525	SXQ_UPDRStotal	Num	3		Number of UPDRS related symptoms (UPDRS-related)
549	SXQ_UPDRStotalDI	Num	3		has updrs related symptoms
530	SXQ_Visual	Num	3		Number of Visual symptoms



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#	Variable	Type	Len	Format	Label
554	SXQ_VisualDI	Num	3		has visual symptoms
539	SXQ_totalmotor	Num	3		Total number of motor symptoms
563	SXQ_totalmotorDI	Num	3		has motor symptoms
346	Stroop_CW_div_W	Num	8		Stroop Color-word raw divided by Word raw
345	Stroop_CW_minus_W	Num	3		Stroop Color-Word raw minus Word raw
347	Stroop_Interference	Num	8		Stroop Interference Score
1274	Sway_Imp	Num	3		Overall CATSYS Sway Impairment (if impaired on both conditions 1 and 3, either mean sway or velocity)
1202	TRAILA_DI	Num	3		Trails A Dichotomized Impairment ( $\geq 2$ SD below mean is of concern)
407	TRAILA_Imp	Num	3		Trails A Impairment
399	TRAILA_T	Num	3		Trails A T-score
1395	TRAILA_T_10cutoff	Num	4		Trails A T-score 10%ile cutoff
1423	TRAILA_T_25cutoff	Num	4		Trails A T-score 25%ile cutoff
403	TRAILA_Z	Num	8		Trails A z score (calculated from T score)
398	TRAILA_err	Num	3		Trails A errors
405	TRAILA_errZ	Num	8		Trails A errors z score
397	TRAILA_sec	Num	4		Trails A seconds
1203	TRAILB_DI	Num	3		Trails B Dichotomized Impairment ( $\geq 2$ SD below mean is of concern)
408	TRAILB_Imp	Num	3		Trails B Impairment

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#	Variable	Type	Len	Format	Label
402	TRAILB_T	Num	3		Trails B T-score
1396	TRAILB_T_10cutoff	Num	4		Trails B T-score 10%ile cutoff
1424	TRAILB_T_25cutoff	Num	4		Trails B T-score 25%ile cutoff
404	TRAILB_Z	Num	8		Trails B z score (calculated from T score)
401	TRAILB_err	Num	3		Trails B errors
406	TRAILB_errZ	Num	8		Trails B errors z score
400	TRAILB_sec	Num	4		Trails B seconds
1509	Time_blood	Num	8	TIME18.	Time of blood collection
1510	Time_blood_DI	Num	3		Binary time of blood collection (0=am; 1=pm)
1333	Town_Combined	Num	3		Marietta and EL combined vs. Mt. Vernon
409	TrailsB_minus_A	Num	4		Trails B raw minus Trails A raw
410	TrailsBtoA	Num	8		Trails B / A
411	Trailsratio	Num	8		Trails A/B
601	TroublePreg	Num	3		Trouble getting Pregnant?
384	UPDRS_Arsising	Num	3		UPDRS-II Arising From Chair
388	UPDRS_Bradykinesia	Num	3		UPDRS-II Body Bradykinesia / Hypokinesia
386	UPDRS_Gait	Num	3		UPDRS-II Gait
379	UPDRS_HandMoveL	Num	3		UPDRS-II Hand Movement (Left)
378	UPDRS_HandMoveR	Num	3		UPDRS-II Hand Movement (Right)
396	UPDRS_I_and_II	Num	3		UPDRS ADL + Total Motor

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#	Variable	Type	Len	Format	Label
383	UPDRS_LegAgilL	Num	3		UPDRS-II Leg Agility (Left)
382	UPDRS_LegAgilR	Num	3		UPDRS-II Leg Agility (Right)
385	UPDRS_Posture	Num	3		UPDRS-II Posture
381	UPDRS_RAML	Num	3		UPDRS-II Rapid Alternating Movements (Left)
380	UPDRS_RAMR	Num	3		UPDRS-II Rapid Alternating Movements (Right)
352	UPDRS_activCuttingFood	Num	3		UPDRS-I Cutting Food / Handing Utensils
353	UPDRS_activDressing	Num	3		UPDRS-I Dressing
356	UPDRS_activFalling	Num	3		UPDRS-I Falling-Unrelated to Freezing
351	UPDRS_activHandwriting	Num	3		UPDRS-I Handwriting
354	UPDRS_activHygiene	Num	3		UPDRS-I Hygiene
360	UPDRS_activParkRelated	Num	3		UPDRS-I Sensory Complaints Related to Parkinsonism
349	UPDRS_activSalivation	Num	3		UPDRS-I Salivation
348	UPDRS_activSpeech	Num	3		UPDRS-I Speech
350	UPDRS_activSwallowing	Num	3		UPDRS-I Swallowing
359	UPDRS_activTremor	Num	3		UPDRS-I Tremor
355	UPDRS_activTurningBed	Num	3		UPDRS-I Turning in Bed/Adjusting Bed Clothes
358	UPDRS_activWalking	Num	3		UPDRS-I Walking
357	UPDRS_activWalkingFreezing	Num	3		UPDRS-I Freezing When Walking
363	UPDRS_facialexpression	Num	3		UPDRS-II Facial Expression
1517	UPDRS_fingertapDom	Num	3		UPDRS Finger Tap Dominant

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#	Variable	Type	Len	Format	Label
1521	UPDRS_fingertapDomDich	Num	3		UPDRS Finger Tap Dominant Dichotomous
377	UPDRS_fingertapL	Num	3		UPDRS-II Finger taps (left)
1518	UPDRS_fingertapNonDom	Num	3		UPDRS Finger Tap Non Dominant
1522	UPDRS_fingertapNonDomDich	Num	3		UPDRS Finger Tap Non Dominant Dichotomous
376	UPDRS_fingertapR	Num	3		UPDRS-II Finger taps (right)
1275	UPDRS_motor_Imp	Num	3		Impaired if score of 3 or 4 or any UPDRS Motor Item
387	UPDRS_posturalStab	Num	3		UPDRS-II Postural Stability
375	UPDRS_rigidityLLE	Num	3		UPDRS-II Rigidity (LLE)
373	UPDRS_rigidityLUE	Num	3		UPDRS-II Rigidity (LUE)
371	UPDRS_rigidityNeck	Num	3		UPDRS-II Rigidity (Neck)
374	UPDRS_rigidityRLE	Num	3		UPDRS-II Rigidity (RLE)
372	UPDRS_rigidityRUE	Num	3		UPDRS-II Rigidity (RUE)
361	UPDRS_scoreTotalAODL	Num	3		UPDRS-I Total Score (Activity of Daily Living)
1304	UPDRS_scoreTotalAODL_DI	Num	3		UPDRS_scoreTotalAODL_DI
389	UPDRS_scoreTotalMotor	Num	3		UPDRS-II Total Score (Motor)
1306	UPDRS_scoreTotalMotor_DI	Num	3		UPDRS_scoreTotalMotor_DI
362	UPDRS_speechM	Num	3		UPDRS-II Speech
391	UPDRS_totalActionTremor	Num	3		UPDRS total Action Tremor
394	UPDRS_totalBradykinesia	Num	3		UPDRS total Bradykinesia
1305	UPDRS_totalBradykinesia_DI	Num	3		UPDRS_totalBradykinesia_DI

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#	Variable	Type	Len	Format	Label
395	UPDRS_totalPosturalInstability	Num	3		UPDRS total Postual Instability
390	UPDRS_totalRestTremor	Num	3		UPDRS total Rest Tremor
393	UPDRS_totalRigidity	Num	3		UPDRS total Rigidity
392	UPDRS_totalTremor	Num	3		UPDRS total Tremor
370	UPDRS_tremorA_LUE	Num	3		UPDRS-II Action or Postural Tremor (LUE)
369	UPDRS_tremorA_RUE	Num	3		UPDRS-II Action or Postural Tremor (RUE)
368	UPDRS_tremorR_LLE	Num	3		UPDRS-II Tremor at Rest (LLE)
366	UPDRS_tremorR_LUE	Num	3		UPDRS-II Tremor at Rest (LUE)
367	UPDRS_tremorR_RLE	Num	3		UPDRS-II Tremor at Rest (RLE)
365	UPDRS_tremorR_RUE	Num	3		UPDRS-II Tremor at Rest (Right Upper Extremity (RUE))
364	UPDRS_tremorR_face	Num	3		UPDRS-II Tremor at Rest (Face)
12	UTM_predconcent_ratio	Num	8		Predicted concentration ratios based on UTM data
480	WAIS_digitBkwdLngstDI	Num	3		WAIS digit span backwards longest dichotomous impairment
477	WAIS_digitBkwdLngstImp	Num	3		WAIS digit span backwards longest impairment
474	WAIS_digitBkwdLngstZ	Num	8		WAIS digit span backwards longest z score
1405	WAIS_digitBkwdLngstZ_10cutoff	Num	4		WAIS digit span Longest Backward Age Adjusted Z Score 10%ile cutoff
1433	WAIS_digitBkwdLngstZ_25cutoff	Num	4		WAIS digit span Longest Backward Age Adjusted Z Score 25%ile cutoff
471	WAIS_digitBkwdLongst	Num	3		WAIS digit span longest backwards

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#	Variable	Type	Len	Format	Label
479	WAIS_digitFwdLngstDI	Num	3		WAIS digits span forward longest dichotomous impairment
476	WAIS_digitFwdLngstImp	Num	3		WAIS digits span forward longest impairment
473	WAIS_digitFwdLngstZ	Num	8		WAIS digits span forward longest z score
1404	WAIS_digitFwdLngstZ_10cutoff	Num	4		WAIS digit span Longest Forward Age Adjusted Z Score 10%ile cutoff
1432	WAIS_digitFwdLngstZ_25cutoff	Num	4		WAIS digit span Longest Forward Age Adjusted Z Score 25%ile cutoff
470	WAIS_digitFwdLongst	Num	3		WAIS digit span longest forward
469	WAIS_digitSpanBkwd	Num	3		WAIS digit span backwards Raw Score
481	WAIS_digitSpanDI	Num	3		WAIS digit span dichotomous impairment
468	WAIS_digitSpanFwd	Num	3		WAIS digit span forward Raw Score
478	WAIS_digitSpanImp	Num	3		WAIS digit span impairment
472	WAIS_digitSpanSS	Num	3		WAIS digit span Age Adjusted Standard Score
1403	WAIS_digitSpanSS_10cutoff	Num	4		WAIS digit span Age Adjusted Standard Score 10%ile cutoff
1431	WAIS_digitSpanSS_25cutoff	Num	4		WAIS digit span Age Adjusted Standard Score 25%ile cutoff
475	WAIS_digitSpanZ	Num	8		WAIS digit span z score (transformed from SS)
463	WAIS_digitSymbolDI	Num	3		WAIS digit symbol dichotomous Impairment
460	WAIS_digitSymbolSS	Num	3		WAIS digit symbol coding Age adjusted Standard Score
1401	WAIS_digitSymbolSS_10cutoff	Num	4		WAIS digit symbol coding Age adjusted Standard Score 10%ile cutoff

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#	Variable	Type	Len	Format	Label
1429	WAIS_digitSymbolSS_25cutoff	Num	4		WAIS digit symbol coding Age adjusted Standard Score 25%ile cutoff
461	WAIS_digitSymbolZ	Num	8		WAIS digit symbol coding z score (calculated from SS)
462	WAIS_digitSymbolimp	Num	3		WAIS digit symbol Impairment
467	WAIS_similDI	Num	3		WAIS similarities dichotomous impairment
466	WAIS_similImp	Num	3		WAIS similarities impairment
464	WAIS_similSS	Num	3		WAIS similarities Age adjusted Standard Score
1402	WAIS_similSS_10cutoff	Num	4		WAIS similarities Age adjusted Standard Score 10%ile cutoff
1430	WAIS_similSS_25cutoff	Num	4		WAIS similarities Age adjusted Standard Score 25%ile cutoff
465	WAIS_similZ	Num	8		WAIS similarities z score (trasnformed from SS)
1293	WORK_2	Num	3		
1159	Weight1	Num	8		Weight(kg) sway condition1
1166	Weight2	Num	8		Weight(kg) sway condition 2
1173	Weight3	Num	8		Weight(kg) sway condition 3
1180	Weightkg4	Num	8		Weight(kg) sway condition 4
23	age	Num	3		Participant's age
24	age_cutoff50	Num	3		participants age above or below 50 years
25	age_cutoff55	Num	3		participants age above or below 55 years
602	age_decade	Num	3		age by decade

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#	Variable	Type	Len	Format	Label
603	age_halfdecade	Num	3		age by half decade
1296	alcohol_cat	Num	3		alcohol group (more than moderate was 2 drinks/wk for males or 1 drink/wk for females)
577	alcohol_total	Num	8		total alcohol consumed in (grams/wk)
1259	anxDI	Num	3		SCL-90-R Anxiety dichotomized impairment ( $\geq 2$ SD above mean is of concern)
189	anxImp	Num	3		SCL90R: Anxiety Impairment
1285	anxietyXlogmn	Num	8		anxiety by logMn interaction term
176	anxt	Num	3		SCL90R: Anxiety T Score
1441	anxt_10cutoff	Num	4		SCL90R: Anxiety T Score 10%ile cutoff
1454	anxt_25cutoff	Num	4		SCL90R: Anxiety T Score 25%ile cutoff
1269	attn_impair	Num	3		Attention Category Feedback Letter Impairment
735	bornthere	Num	3		Participant born in town
20	cDEI	Num	8		CummulativeDistanceExposure Index ( $\text{Air\_conc} * \text{years\_residency} * \text{Inv\_distance\_sq}$ )
1329	chemical_exposed_jobsDI	Num	3		exposed to chems at job dichotomized
1271	cogflex_impair	Num	3		Cognitive FlexibilityCategory Feedback Letter Impairment
184	compositeT	Num	8		SCL90R: Generalized Anxiety
1449	compositeT_10cutoff	Num	4		SCL90R: Generalized Anxiety 10%ile cutoff
1462	compositeT_25cutoff	Num	4		SCL90R: Generalized Anxiety 25%ile cutoff



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#	Variable	Type	Len	Format	Label
1273	delayverbal_impair	Num	3		Delayed Verbal Memory Category Feedback Letter Impairment
1270	delayvisual_impair	Num	3		Delayed Visual Memory Category Feedback Letter Impairment
1258	depDI	Num	3		SCL-90-R Depression dichotomized impairment ( $\geq 2$ SD above mean is of concern)
188	depImp	Num	3		SCL90R: Depression Impairment
1291	depXCEI	Num	8		depression by logCEI interaction term
1289	dep_centered_marietta	Num	8		centered depression for Marietta
175	dept	Num	3		SCL90R: Depression T Score
1440	dept_10cutoff	Num	4		SCL90R: Depression T Score 10%ile cutoff
1453	dept_25cutoff	Num	4		SCL90R: Depression T Score 25%ile cutoff
1512	dichotomized_edu	Num	3		dichotomized yrs edu (0=hishchool or less)
21	dis1	Num	8		Distance from Mt Vernon plant 1
22	dis2	Num	8		Distance from mt Vernon plant 2
17	distance	Num	8		Distance at current address from point source in air miles
1284	distance1	Num	3		
1313	distanceXyears	Num	8		Marietta distance X years
1311	distance_centered	Num	8		marietta distance centered
1301	distance_quartiles	Num	3		Marietta distance_quartiles
18	distance_ranking_EL	Num	3		distance ranking for EL (furthest = 1, next further =2, etc)

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#	Variable	Type	Len	Format	Label
1187	dummy1_examiner	Num	3		Neuropsych Examiner - dummy coded 1
1188	dummy2_examiner	Num	3		Neuropsych Examiner - dummy coded 2
1189	dummy3_examiner	Num	3		Neuropsych Examiner - dummy coded 3
1190	dummy4_examiner	Num	3		Neuropsych Examiner - dummy coded 4
1191	dummy5_examiner	Num	3		Neuropsych Examiner - dummy coded 5
1192	dummy6_examiner	Num	3		Neuropsych Examiner - dummy coded 6
32	duration_current	Num	3		Duration of residency at current address since 1963 (EL only)
28	education_HQ	Num	3		education level from health questionnaire
27	edyyrs	Num	8		Participant's total years of education
1272	emotional_impair	Num	3		Mood Category Feedback Letter Impairment
974	employed	Num	3		Employed and/or student at all (full or part)
29	ethnic	Num	3		Participant's ethnicity
30	ethnic2	Num	3		Participant's ethnicity dichotomized white / non-white
2	exposure	Num	3		participant town
77	ferritin_for_plots	Num	4		serum ferritin for plots
734	filter__	Num	3		exposure ~= 0 (FILTER)
586	firstMatt_cat	Num	3		
582	firstMatto	Num	3		

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#	Variable	Type	Len	Format	Label
578	firstMatto_config	Num	3		Rey-O organizational scoring round 1 sum configuration errors
579	firstMatto_detail	Num	3		Rey-O organizational scoring round 1 details errors
584	firstmatdetail	Num	3		
26	gender	Num	3		Participant's gender M/F/Other
1264	gsiDI	Num	3		SCL-90-R Global Severity Index dichotomized impairment (>= 2 SD above mean is of concern)
194	gsiImp	Num	3		SCL90R: Global Severity Index Impairment
181	gsit	Num	3		SCL90R: Global Severity Index T Score
1446	gsit_10cutoff	Num	4		SCL90R: Global Severity Index T Score 10%ile cutoff
1459	gsit_25cutoff	Num	4		SCL90R: Global Severity Index T Score 25%ile cutoff
1283	hazard1	Num	3		
604	height_meters	Num	8		participant's height in meters
591	histerectomy	Num	3		Had a histerectomy
1106	hobby_metals	Num	3		hobby involving metals (welding, ceramics, stained glass, metal work)
1107	hobby_pesticides	Num	3		hobby involving pesticides (gardening)
1105	hobby_solvent	Num	3		hobby involving solvents (painting or photo lab)
1260	hosDI	Num	3		SCL-90-R Hostility dichotomized impairment (>= 2 SD above mean is of concern)
190	hosImp	Num	3		SCL90R: Hostility Impairment

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#	Variable	Type	Len	Format	Label
177	host	Num	3		SCL90R: Hostility T Score
1442	host_10cutoff	Num	4		SCL90R: Hostility T Score 10%ile cutoff
1455	host_25cutoff	Num	4		SCL90R: Hostility T Score 25%ile cutoff
1332	hours_outdoors	Num	8		ave hours outdoors (F/W weekdays * 5 + F/Wweekend * 2 + S/S weekdays * 5 + S/S weekends * 2) / 2 / 7
1	id	Num	4		Participant's ID number
1330	income_reategorized	Num	3		Income recoded into 3 categories
1257	isDI	Num	3		SCL-90-R Interpersonal Sensitivity dichotomized impairment ( $\geq 2$ SD above mean is of concern)
187	isImp	Num	3		SCL90R: Interpersonal Sensitivity Impairment
174	ist	Num	3		SCL90R: Interpersonal Sensitivity T Score
1439	ist_10cutoff	Num	4		SCL90R: Interpersonal Sensitivity T Score 10%ile cutoff
1452	ist_25cutoff	Num	4		SCL90R: Interpersonal Sensitivity T Score 25%ile cutoff
1138	lhcf1	Num	8		Tremor test for left hand 1st trial: Center Frequency
1142	lhcf2	Num	8		Tremor test for left hand 2nd trial: Center Frequency
1146	lhcf3	Num	8		Tremor test for left hand 3 trial: Center Frequency
1140	lhhi1	Num	8		Tremor test for left hand 1st trial: Harmonic Index
1144	lhhi2	Num	8		Tremor test for left hand 2nd trial: Harmonic Index
1148	lhhi3	Num	8		Tremor test for left hand 3 trial: Harmonic Index
1139	lhsdcf1	Num	8		Tremor test for left hand 1st trial: Std. deviation

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#	Variable	Type	Len	Format	Label
1143	lhsdcf2	Num	8		Tremor test for left hand 2nd trial: Std. deviation
1147	lhsdcf3	Num	8		Tremor test for left hand 3 trial: Std. deviation
1137	lhti1	Num	8		Tremor test for left hand 1st trial: Tremor Intensity
1141	lhti2	Num	8		Tremor test for left hand 2nd trial: Tremor Intensity
1145	lhti3	Num	8		Tremor test for left hand 3 trial: Tremor Intensity
599	livebirths	Num	3		How many live births?
16	ln_CEI	Num	8		Marietta ln CEI
15	ln_hazard	Num	8		Marietta ln hazard
80	log10_Mn	Num	8		base 10 log-transformed Mn blood
81	log10_ferritin	Num	8		base 10 log-transformed ferritin
1341	logPM10	Num	8		log(10) of pm10 fraction
1511	log_AERMOD2014	Num	8		Log transformed AERMOD2014
14	log_CEI	Num	8		Marietta log(10) CEI
13	log_hazard	Num	8		Marietta log(10) hazard
72	logferritin_Towncentered	Num	8		log of ferritin centered by town
71	logferritin_centered	Num	8		log of ferritin centered
1331	low_ferritin	Num	3		serum ferritin, above or below minimal cutoffs (10 for female, 20 for male)
588	matto_final	Num	3		mattO organizational quality final score
590	menopause_DI	Num	3		Dichotomous menopausal status

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#	Variable	Type	Len	Format	Label
1267	motorspeed_impair	Num	3		Motor Speed Category Feedback Letter Impairment
1268	motorstt_impair	Num	3		Motor Strength (Other Motor) Category Feedback Letter Impairment
1276	movement_imp	Num	3		Impaired if either Sway_Imp or UPDRS_motor_Imp is impaired
1295	new_stroop_interference	Num	8		Alternative Stroop Interference Score= $\text{STROOP\_colorWordRaw} - \frac{((216 - \text{STROOP\_wordRaw}) * \text{STROOP\_colorRaw})}{((216 - \text{STROOP\_wordRaw}) + \text{STROOP\_colorRaw})}$
1256	ocDI	Num	3		SCL-90-R Obsessive-Compulsive dichotomized impairment (>= 2 SD above mean is of concern)
186	ocImp	Num	3		SCL90R: Obsessive-Compulsive Impairment
173	oct	Num	3		SCL90R: Obsessive-Compulsive T Score
1438	oct_10cutoff	Num	4		SCL90R: Obsessive-Compulsive T Score 10%ile cutoff
1451	oct_25cutoff	Num	4		SCL90R: Obsessive-Compulsive T Score 25%ile cutoff
740	othermed	Char	29		additional medication
741	othermed_A	Char	29		additional medication
742	othermed_B	Char	24		additional medication
743	othermed_C	Char	18		additional medication
744	othermed_D	Char	15		additional medication
745	othermed_E	Char	20		additional medication
746	othermed_F	Char	16		additional medication

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#	Variable	Type	Len	Format	Label
747	othermed_G	Char	14		additional medication
748	othermed_H	Char	16		additional medication
1262	parDI	Num	3		SCL-90-R Paranoid Ideation dichotomized impairment ( $\geq 2$ SD above mean is of concern)
192	parImp	Num	3		SCL90R: Paranoid Ideation Impairment
179	part	Num	3		SCL90R: Paranoid Ideation T Score
1444	part_10cutoff	Num	4		SCL90R: Paranoid Ideation T Score 10%ile cutoff
1457	part_25cutoff	Num	4		SCL90R: Paranoid Ideation T Score 25%ile cutoff
1261	phobDI	Num	3		SCL-90-R Phobic Anxiety dichotomized impairment ( $\geq 2$ SD above mean is of concern)
191	phobImp	Num	3		SCL90R: Phobic Anxiety Impairment
1286	phobanxietyXlogmn	Num	8		phob anxiety by logMn interaction term
178	phobt	Num	3		SCL90R: Phobic Anxiety T Score
1443	phobt_10cutoff	Num	4		SCL90R: Phobic Anxiety T Score 10%ile cutoff
1456	phobt_25cutoff	Num	4		SCL90R: Phobic Anxiety T Score 25%ile cutoff
1340	pm10	Num	8		PM10 Estimate of exposure (sum of exposures x0.83 (Marietta) and x0.35 (EL))
1265	psdiDI	Num	3		SCL-90-R Positive Symptom Distress dichotomized impairment ( $\geq 2$ SD above mean is of concern)
195	psdiImp	Num	3		SCL90R: Positive Symptom Distress Index Impairment
182	psdit	Num	3		SCL90R: Positive Symptom Distress Index T Score

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#	Variable	Type	Len	Format	Label
1447	psdit_10cutoff	Num	4		SCL90R: Positive Symptom Distress Index T Score 10%ile cutoff
1460	psdit_25cutoff	Num	4		SCL90R: Positive Symptom Distress Index T Score 25%ile cutoff
1266	pstDI	Num	3		SCL-90-R Positive Symptom Total dichotomized impairment ( $\geq 2$ SD above mean is of concern)
196	pstImp	Num	3		SCL90R: Positive Symptom Total Impairment
183	psst	Num	3		SCL90R: Positive Symptom Total T Score
1448	psst_10cutoff	Num	4		SCL90R: Positive Symptom Total T Score 10%ile cutoff
1461	psst_25cutoff	Num	4		SCL90R: Positive Symptom Total T Score 25%ile cutoff
1263	psyDI	Num	3		SCL-90-R Psychoticism dichotomized impairment ( $\geq 2$ SD above mean is of concern)
193	psyImp	Num	3		SCL90R: Psychoticism Impairment
180	psyt	Num	3		SCL90R: Psychoticism T Score
1445	psyt_10cutoff	Num	4		SCL90R: Psychoticism T Score 10%ile cutoff
1458	psyt_25cutoff	Num	4		SCL90R: Psychoticism T Score 25%ile cutoff
1126	rhcf1	Num	8		Tremor test for right hand 1st trial: Center Frequency
1130	rhcf2	Num	8		Tremor test for right hand 2nd trial: Center Frequency
1134	rhcf3	Num	8		Tremor test for right hand 3rd trial: Center Frequency
1128	rhhi1	Num	8		Tremor test for right hand 1st trial: Harmonic Index
1132	rhhi2	Num	8		Tremor test for right hand 2nd trial: Harmonic Index



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#	Variable	Type	Len	Format	Label
1136	rghi3	Num	8		Tremor test for right hand 3rd trial : Harmonic Index
1127	rhsdcf1	Num	8		Tremor test for right hand 1st trial: Std. deviation
1131	rhsdcf2	Num	8		Tremor test for right hand 2nd trial: Std. deviation
1135	rhsdcf3	Num	8		Tremor test for right hand 3rd trial: Std. deviation
1125	rhti1	Num	8		Tremor test for right hand 1st trial : Tremor Intensity
1129	rhti2	Num	8		Tremor test for right hand 2nd trial: Tremor Intensity
1133	rhti3	Num	8		Tremor test for right hand 3rd trial : Tremor Intensity
82	scl01	Num	3		SCL90R: Headaches (0-4)
83	scl02	Num	3		SCL90R: Nervousness or shakiness inside (0-4)
84	scl03	Num	3		SCL90R: Repeated unpleasant thoughts that wont leave mind (0-4)
85	scl04	Num	3		SCL90R: Faintness or dizziness (0-4)
86	scl05	Num	3		SCL90R: Loss of sexual interest (0-4)
87	scl06	Num	3		SCL90R: Feeling critical of others (0-4)
88	scl07	Num	3		SCL90R: Idea that someone else can control thoughts (0-4)
89	scl08	Num	3		SCL90R: Feeling others are to blame for problems (0-4)
90	scl09	Num	3		SCL90R: Trouble remembering things (0-4)
91	scl10	Num	3		SCL90R: Worried about sloppiness/carelessness (0-4)
92	scl11	Num	3		SCL90R: Easily annoyed/irritated (0-4)
93	scl12	Num	3		SCL90R: Pains in heart/chest (0-4)

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#	Variable	Type	Len	Format	Label
94	sc113	Num	3		SCL90R: Afraid in open spaces (0-4)
95	sc114	Num	3		SCL90R: Low in energy/slowed down (0-4)
96	sc115	Num	3		SCL90R: Thoughts of ending your life (0-4)
97	sc116	Num	3		SCL90R: Hearing voices that other people could not hear (0-4)
98	sc117	Num	3		SCL90R: Trembling (0-4)
99	sc118	Num	3		SCL90R: Feeling most people cannot be trusted (0-4)
100	sc119	Num	3		SCL90R: Poor appetite (0-4)
101	sc120	Num	3		SCL90R: Crying easily (0-4)
102	sc121	Num	3		SCL90R: Shy or uneasy around opposite sex (0-4)
103	sc122	Num	3		SCL90R: Feelings of trapped/caught (0-4)
104	sc123	Num	3		SCL90R: Suddenly scared for no reason (0-4)
105	sc124	Num	3		SCL90R: Temper outbursts (0-4)
106	sc125	Num	3		SCL90R: Afraid to go out of house alone (0-4)
107	sc126	Num	3		SCL90R: Blaming yourself (0-4)
108	sc127	Num	3		SCL90R: Pain in lower back (0-4)
109	sc128	Num	3		SCL90R: Feeling blocked in getting things done (0-4)
110	sc129	Num	3		SCL90R: Lonely (0-4)
111	sc130	Num	3		SCL90R: Blue (0-4)
112	sc131	Num	3		SCL90R: Worrying too much (0-4)

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#	Variable	Type	Len	Format	Label
113	scl32	Num	3		SCL90R: Feeling no interest (0-4)
114	scl33	Num	3		SCL90R: Fearful (0-4)
115	scl34	Num	3		SCL90R: Feelings are easily hurt (0-4)
116	scl35	Num	3		SCL90R: Other people aware of private thoughts (0-4)
117	scl36	Num	3		SCL90R: Others do not understand you (0-4)
118	scl37	Num	3		SCL90R: People are unfriendly or dislike you (0-4)
119	scl38	Num	3		SCL90R: Doing things very slowly to insure correctness (0-4)
120	scl39	Num	3		SCL90R: Heart pounding (0-4)
121	scl40	Num	3		SCL90R: Nause/upset stomach (0-4)
122	scl41	Num	3		SCL90R: Feelings of inferiority (0-4)
123	scl42	Num	3		SCL90R: Soreness of muscles (0-4)
124	scl43	Num	3		SCL90R: Being watched or talked about (0-4)
125	scl44	Num	3		SCL90R: Trouble falling asleep (0-4)
126	scl45	Num	3		SCL90R: Having to check/doublecheck what you do (0-4)
127	scl46	Num	3		SCL90R: Difficulty making decisions (0-4)
128	scl47	Num	3		SCL90R: Afraid to travel on buses/subways/trains (0-4)
129	scl48	Num	3		SCL90R: Trouble getting breath (0-4)
130	scl49	Num	3		SCL90R: Hot/cold spells (0-4)
131	scl50	Num	3		SCL90R: Avoiding certain things/places/activities (0-4)

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#	Variable	Type	Len	Format	Label
132	scl51	Num	3		SCL90R: Mind going blank (0-4)
133	scl52	Num	3		SCL90R: Numbness/tingling (0-4)
134	scl53	Num	3		SCL90R: Lump in throat (0-4)
135	scl54	Num	3		SCL90R: Hopeless (0-4)
136	scl55	Num	3		SCL90R: Trouble concentrating (0-4)
137	scl56	Num	3		SCL90R: Weakness (0-4)
138	scl57	Num	3		SCL90R: Tense (0-4)
139	scl58	Num	3		SCL90R: Heaviness in limbs (0-4)
140	scl59	Num	3		SCL90R: Thoughts of dying/death (0-4)
141	scl60	Num	3		SCL90R: Overeating (0-4)
142	scl61	Num	3		SCL90R: Uneasiness when watched/talked about (0-4)
143	scl62	Num	3		SCL90R: Having thoughts that are not your own (0-4)
144	scl63	Num	3		SCL90R: Urges to beat/injure/harm (0-4)
145	scl64	Num	3		SCL90R: Awakening early morning (0-4)
146	scl65	Num	3		SCL90R: Repeating same actions (0-4)
147	scl66	Num	3		SCL90R: Sleep - restless/disturbed (0-4)
148	scl67	Num	3		SCL90R: Urges to break/smash (0-4)
149	scl68	Num	3		SCL90R: Ideas/beliefs others don't share (0-4)
150	scl69	Num	3		SCL90R: Very self-conscious (0-4)
151	scl70	Num	3		SCL90R: Uneasy in crowds (0-4)

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#	Variable	Type	Len	Format	Label
152	sc171	Num	3		SCL90R: Everything is an effort (0-4)
153	sc172	Num	3		SCL90R: Terror or panic (0-4)
154	sc173	Num	3		SCL90R: Uncomfortable eating/drinking in public (0-4)
155	sc174	Num	3		SCL90R: Frequent arguments (0-4)
156	sc175	Num	3		SCL90R: Nervous when left alone (0-4)
157	sc176	Num	3		SCL90R: Not getting credit (0-4)
158	sc177	Num	3		SCL90R: Loneliness even with people (0-4)
159	sc178	Num	3		SCL90R: Restlessness (0-4)
160	sc179	Num	3		SCL90R: Worthlessness (0-4)
161	sc180	Num	3		SCL90R: Something is going to happen to you (0-4)
162	sc181	Num	3		SCL90R: Shouting/throwing (0-4)
163	sc182	Num	3		SCL90R: Fear of fainting in public (0-4)
164	sc183	Num	3		SCL90R: People will take advantage of you (0-4)
165	sc184	Num	3		SCL90R: Sex thoughts that bother you (0-4)
166	sc185	Num	3		SCL90R: Punished for sins (0-4)
167	sc186	Num	3		SCL90R: Frightening thoughts/images (0-4)
168	sc187	Num	3		SCL90R: Something is wrong with body (0-4)
169	sc188	Num	3		SCL90R: Never feeling close to another (0-4)
170	sc189	Num	3		SCL90R: Guilt (0-4)
171	sc190	Num	3		SCL90R: Something wrong with mind (0-4)

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#	Variable	Type	Len	Format	Label
1375	sclSUM	Num	3		SCL Sum of dichotomized domains for caseness
197	sclcaseness	Num	3		Meet criteria for caseness on SCL (yes or no)
585	secndmatdetail	Num	3		
587	secondMatt_cat	Num	3		
583	secondMatto	Num	3		
580	secondMatto_config	Num	3		Rey-O organizational scoring round 2 sum configuration errors
581	secondMatto_detail	Num	3		Rey-O organizational scoring round 2 details errors
1255	somDI	Num	3		SCL-90-R Somatization dichotomized impairment ( $\geq 2$ SD above mean is of concern)
185	somImp	Num	3		SCL90R: Somatization Impairment
172	somt	Num	3		SCL90R: Somatization T Score
1437	somt_10cutoff	Num	4		SCL90R: Somatization T Score 10%ile cutoff
1450	somt_25cutoff	Num	4		SCL90R: Somatization T Score 25%ile cutoff
1344	tLHHI1	Num	8		Tremor Left Hand Harmonic Index transformed: $-\log(1-lhhi1)$
1343	tRHHI1	Num	8		Tremor Right Hand Harmonic Index transformed: $-\log(1-rhhi1)$
565	totalFediet	Num	8		Fe in diet (in Mg / week)
564	totalMndiet	Num	8		Mn in diet (in Mg / week)
567	total_beef_and_poultry	Num	8		# of servings of beef and poultry per week

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#	Variable	Type	Len	Format	Label
572	total_beverages	Num	8		# of servings of bevarages per week
566	total_food_servings	Num	8		total number of weekly food servings
570	total_fruits	Num	8		# of servings of fruits per week
574	total_grains	Num	8		# of servings of grains per week
571	total_nuts_seeds_legumes	Num	8		# of servings of nuts, seeds, legumes per week
568	total_seafood	Num	8		# of servings of seafood per week
573	total_soy_products	Num	8		# of servings of soy products per week
569	total_vegetables	Num	8		# of servings of vegetables per week
1310	town_polluted	Num	3		"do you think your town is polluted" from interview
1312	years_centered	Num	8		years residency mean-centered
31	years_residency	Num	3		years they have lived in their town
1303	years_residency_quartiles	Num	3		years_residency_quartiles
737	yrs_rescutoff19	Num	3		years of residency more or less than 19