

Codebook

Combined Data, All Subjects

Dataset name:	combined_data
Dataset size:	3.1 Mb
Column count:	104
Row count:	7,122
Updated date:	2023-11-25

Column Attributes:

1	Column name:	id			
	Column description:	Respondent sequence number			
	Source information:	NHANES data set			
	Data type:	Integer			
	Unique non-missing value count:	7,122			
	Missing value count:	0			
	Min	Mean	Median	Max	SD
	109266.00	117043.41	116990.50	124822.00	4487.35
2	Column name:	drop_flag			
	Column description:	Flag for exclusion: age < 20, cancer history, taking insulin or other glucose lowering medications, or lack of exposure or outcome variable			
	Source information:	Calculated from NHANES data			
	Data type:	Logical			
	Unique non-missing value count:	2			
	Missing value count:	0			
	Categories	Frequency	Cumulative Frequency	Percent	
	FALSE	1,168	1,168	16.40	
	TRUE	5,954	7,122	83.60	
3	Column name:	collection_cycle			

Column description:	Data release cycle
Source information:	NHANES data set
Data type:	Factor
Unique non-missing value count:	1
Missing value count:	0

Categories	Frequency	Cumulative Frequency	Percent
NHANES 2017-2020 public release	7,122	7,122	100.00

4	Column name:	collection_lang
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Column description:	Language of SP Interview
Source information:	NHANES data set
Data type:	Ordered, factor
Unique non-missing value count:	2
Missing value count:	0

Categories	Frequency	Cumulative Frequency	Percent
English	6,373	6,373	89.48
Spanish	749	7,122	10.52

5	Column name:	cholesterol_rx_ever
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Column description:	Told to take prescriptn for cholesterol
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	2
Missing value count:	1,831

Categories	Frequency	Cumulative Frequency	Percent
FALSE	3,797	3,797	53.31
TRUE	1,494	5,291	20.98
Missing	1,831	7,122	25.71

6	Column name:	adherence		
	Column description:	Now taking prescribed medicine		
	Source information:	NHANES data set		
	Data type:	Logical		
	Unique non-missing value count:	2		
	Missing value count:	5,630		
	Categories	Frequency	Cumulative Frequency	Percent
	FALSE	519	519	7.29
	TRUE	973	1,492	13.66
	Missing	5,630	7,122	79.05
7	Column name:	cancer_ever		
	Column description:	Ever told you had cancer or malignancy		
	Source information:	NHANES data set		
	Data type:	Logical		
	Unique non-missing value count:	1		
	Missing value count:	3		
	Categories	Frequency	Cumulative Frequency	Percent
	FALSE	7,119	7,119	99.96
	Missing	3	7,122	0.04
8	Column name:	rx_glucose_lowering		
	Column description:	RX: Subject reported insulin or other glucose-lowering medication		
	Source information:	Calculated from RX Data Supplement		
	Data type:	Logical		
	Unique non-missing value count:	2		
	Missing value count:	6,214		
	Categories	Frequency	Cumulative Frequency	Percent
	FALSE	907	907	12.74

TRUE	1	908	0.01
Missing	6,214	7,122	87.25

9	Column name:	cholesterol_ever		
	Column description:	Doctor told you - high cholesterol level		
	Source information:	NHANES data set		
	Data type:	Logical		
	Unique non-missing value count:	2		
	Missing value count:	35		
	Categories	Frequency	Cumulative Frequency	Percent
	FALSE	5,042	5,042	70.79
	TRUE	2,045	7,087	28.71
	Missing	35	7,122	0.49

10	Column name:	cholesterol_check_ever		
	Column description:	Ever had blood cholesterol checked		
	Source information:	NHANES data set		
	Data type:	Logical		
	Unique non-missing value count:	2		
	Missing value count:	2,264		
	Categories	Frequency	Cumulative Frequency	Percent
	FALSE	1,606	1,606	22.55
	TRUE	3,252	4,858	45.66
	Missing	2,264	7,122	31.79

11	Column name:	cholesterol_check_last	
	Column description:	When blood cholesterol last checked	
	Source information:	NHANES data set	
	Data type:	Ordered, factor	
	Unique non-missing value count:	4	

Missing value count:		1,841		
Categories	Frequency	Cumulative Frequency	Percent	
Within 1 year	3,014	3,014	42.32	
1-2 years ago	1,002	4,016	14.07	
2-5 years ago	831	4,847	11.67	
5+ years ago	434	5,281	6.09	
Missing	1,841	7,122	25.85	

12	Column name:	age			
	Column description:	Age (years)			
	Source information:	Significantly modified from NHANES data by Teaching Team			
	Data type:	Integer			
	Unique non-missing value count:	61			
	Missing value count:	0			
	Min	Mean	Median	Max	SD
	20.00	47.37	46.00	80.00	17.12

13	Column name:	sex	
	Column description:	Sex (Male/Female)	
	Source information:	Significantly modified from NHANES data by Teaching Team	
	Data type:	Ordered, factor	
	Unique non-missing value count:	2	
	Missing value count:	0	
Categories	Frequency	Cumulative Frequency	Percent
Male	3,423	3,423	48.06
Female	3,699	7,122	51.94

14	Column name:	race_ethn_4cat
	Column description:	Race/Hispanic origin without Non-Hispanic Asian

Source information: Calculated from NHANES data

Data type: Ordered, factor

Unique non-missing value count: 4

Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
Hispanic	1,590	1,590	22.33
Non-Hispanic White	2,331	3,921	32.73
Non-Hispanic Black	1,934	5,855	27.16
Other Race (including multiracial)	1,267	7,122	17.79

15	Column name:	race_ethn_5cat
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Column description: Race/Hispanic origin with Non-Hispanic Asian

Source information: Calculated from NHANES data

Data type: Ordered, factor

Unique non-missing value count: 4

Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
Hispanic	1,590	1,590	22.33
Non-Hispanic White	2,331	3,921	32.73
Non-Hispanic Black	1,934	5,855	27.16
Other Race (including multiracial)	1,267	7,122	17.79

16	Column name:	race_5cat
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Column description: Race from RIDRETH1

Source information: Significantly modified from NHANES data by Teaching Team

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 0

Categories	Frequency	Cumulative Frequency	Percent
Mexican American	840	840	11.79
Other Hispanic	750	1,590	10.53
Non-Hispanic White	2,331	3,921	32.73
Non-Hispanic Black	1,934	5,855	27.16
Other Race (including multiracial)	1,267	7,122	17.79

17	Column name:	race_6cat
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Column description:	Race/Hispanic origin w/ NH Asian
Source information:	NHANES data set
Data type:	Ordered, factor
Unique non-missing value count:	6
Missing value count:	0

Categories	Frequency	Cumulative Frequency	Percent
Mexican American	840	840	11.79
Other Hispanic	750	1,590	10.53
Non-Hispanic White	2,331	3,921	32.73
Non-Hispanic Black	1,934	5,855	27.16
Non-Hispanic Asian	931	6,786	13.07
Other Race (including multiracial)	336	7,122	4.72

18	Column name:	marital_status
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Column description:	Marital status
Source information:	NHANES data set
Data type:	Ordered, factor
Unique non-missing value count:	3
Missing value count:	7

Categories	Frequency	Cumulative Frequency	Percent
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Married/Living with Partner	4,079	4,079	57.27
Widowed/Divorced/Separated	1,447	5,526	20.32
Never Married	1,589	7,115	22.31
Missing	7	7,122	0.10

19	Column name:	educ_level
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Column description: Educational level

Source information: NHANES data set

Data type: Ordered, factor

Unique non-missing value count: 5

Missing value count: 11

Categories	Frequency	Cumulative Frequency	Percent
Less than 9th grade	504	504	7.08
9th-11th grade	793	1,297	11.13
HS graduate or GED	1,718	3,015	24.12
Some college or AA degree	2,304	5,319	32.35
College graduate or above	1,792	7,111	25.16
Missing	11	7,122	0.15

20	Column name:	occupation_type_week
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Column description: Type of work done last week

Source information: NHANES data set

Data type: Ordered, factor

Unique non-missing value count: 4

Missing value count: 2

Categories	Frequency	Cumulative Frequency	Percent
Employed and working	4,347	4,347	61.04

Employed, but not working	169	4,516	2.37
Seeking work	287	4,803	4.03
Unemployed	2,317	7,120	32.53
Missing	2	7,122	0.03

21	Column name:	accult_birth_country		
	Column description:	Country of birth		
	Source information:	NHANES data set		
	Data type:	Ordered, factor		
	Unique non-missing value count:	2		
	Missing value count:	5		
	Categories	Frequency	Cumulative Frequency	Percent
	Born in the 50 US states or Washington, DC	4,994	4,994	70.12
	Others	2,123	7,117	29.81
	Missing	5	7,122	0.07

22	Column name:	accult_time_usa		
	Column description:	Acculturation time in the US		
	Source information:	NHANES data set		
	Data type:	Ordered, factor		
	Unique non-missing value count:	4		
	Missing value count:	5,097		
	Categories	Frequency	Cumulative Frequency	Percent
	Less than 5 years	280	280	3.93
	5+ but < 15 years	422	702	5.93
	15 but < 30 years	755	1,457	10.60
	30+ years	568	2,025	7.98
	Missing	5,097	7,122	71.57

23	Column name:		income_ratio		
	Column description:		Family monthly poverty level index		
	Source information:		NHANES data set		
	Data type:		Numeric		
	Unique non-missing value count:		442		
	Missing value count:		1,616		
	Min	Mean	Median	Max	SD
	0.00	2.39	1.98	5.00	1.57
24	Column name:		income_cat		
	Column description:		Family monthly poverty level category		
	Source information:		NHANES data set		
	Data type:		Ordered, factor		
	Unique non-missing value count:		3		
	Missing value count:		958		
	Categories	Frequency	Cumulative Frequency		Percent
	Less than or equal to 135% of FPL	1,988	1,988		27.91
	Between 135 and 185% of FPL	933	2,921		13.10
	Greater than 185% FPL	3,243	6,164		45.53
	Missing	958	7,122		13.45
25	Column name:		ins_dichot		
	Column description:		INSURANCE: Subject reported any form of health insurance?		
	Source information:		Significantly modified from NHANES data		
	Data type:		Logical		
	Unique non-missing value count:		2		
	Missing value count:		1,398		
	Categories	Frequency	Cumulative Frequency		Percent

FALSE	2	2	0.03
TRUE	5,722	5,724	80.34
Missing	1,398	7,122	19.63

26	Column name:	ins_classif
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Column description: INSURANCE: Total Insurance Status

Source information: Calculated from NHANES data

Data type: Ordered, factor

Unique non-missing value count: 9

Missing value count: 1,400

Categories	Frequency	Cumulative Frequency	Percent
Both private and government, with drug coverage	592	592	8.31
Both private and government, without drug coverage	62	654	0.87
Both private and government, unk drug coverage	9	663	0.13
Government, with drug coverage	2,010	2,673	28.22
Government, without drug coverage	195	2,868	2.74
Government, unk drug coverage	40	2,908	0.56
Private, with drug coverage	2,642	5,550	37.10
Private, without drug coverage	128	5,678	1.80
Private, unk drug coverage	44	5,722	0.62
Missing	1,400	7,122	19.66

27	Column name:	ins_type
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Column description:	INSURANCE: Health Insurance Type
Source information:	Calculated from NHANES data
Data type:	Ordered, factor
Unique non-missing value count:	4
Missing value count:	1,398

Categories	Frequency	Cumulative Frequency	Percent
Uninsured	2	2	0.03
Government	2,245	2,247	31.52
Private	2,814	5,061	39.51
Both private and government	663	5,724	9.31
Missing	1,398	7,122	19.63

28	Column name:	ins_any_gap
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Column description:	INSURANCE: Time when no insurance in past year?
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	2
Missing value count:	1,341

Categories	Frequency	Cumulative Frequency	Percent
FALSE	5,274	5,274	74.05
TRUE	507	5,781	7.12
Missing	1,341	7,122	18.83

29	Column name:	ins_private
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Column description:	INSURANCE: Subject reported coverage by private health insurance
Source information:	Significantly modified from NHANES data
Data type:	Logical
Unique non-missing value count:	2

Missing value count:	1,398		
Categories	Frequency	Cumulative Frequency	Percent
FALSE	2,247	2,247	31.55
TRUE	3,477	5,724	48.82
Missing	1,398	7,122	19.63

30	Column name:	ins_govt
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Column description:	INSURANCE: Subject reported coverage by government health insurance (Medicaire, Medicaid, Medigap, CHIP, State plan, other)		
Source information:	Calculated from NHANES data		
Data type:	Logical		
Unique non-missing value count:	2		
Missing value count:	1,398		
Categories	Frequency	Cumulative Frequency	Percent
FALSE	2,816	2,816	39.54
TRUE	2,908	5,724	40.83
Missing	1,398	7,122	19.63

31	Column name:	ins_none
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Column description:	INSURANCE: Subject reported they had no health insurance coverage (Uninsured)		
Source information:	Significantly modified from NHANES data		
Data type:	Logical		
Unique non-missing value count:	1		
Missing value count:	7,120		
Categories	Frequency	Cumulative Frequency	Percent
TRUE	2	2	0.03
Missing	7,120	7,122	99.97

32	Column name:	ins_rx
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Column description:	INSURANCE: Do plans cover prescriptions?
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	2
Missing value count:	1,437

Categories	Frequency	Cumulative Frequency	Percent
FALSE	396	396	5.56
TRUE	5,289	5,685	74.26
Missing	1,437	7,122	20.18

33	Column name:	ins_govt_medicare
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Column description:	INSURANCE: Covered by Medicare
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	1
Missing value count:	5,699

Categories	Frequency	Cumulative Frequency	Percent
TRUE	1,423	1,423	19.98
Missing	5,699	7,122	80.02

34	Column name:	ins_govt_medigap
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Column description:	INSURANCE: Covered by Medi-Gap
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	1
Missing value count:	7,072

Categories	Frequency	Cumulative Frequency	Percent
TRUE	50	50	0.70
Missing	7,072	7,122	99.30

35	Column name:	ins_govt_medicaid
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Column description: INSURANCE: Covered by Medicaid

Source information: NHANES data set

Data type: Logical

Unique non-missing value count: 1

Missing value count: 6,008

Categories	Frequency	Cumulative Frequency	Percent
TRUE	1,114	1,114	15.64
Missing	6,008	7,122	84.36

36	Column name:	ins_govt_chip
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Column description: INSURANCE: Covered by CHIP

Source information: NHANES data set

Data type: Logical

Unique non-missing value count: 1

Missing value count: 7,120

Categories	Frequency	Cumulative Frequency	Percent
TRUE	2	2	0.03
Missing	7,120	7,122	99.97

37	Column name:	ins_govt_state
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Column description: INSURANCE: Covered by state-sponsored health plan

Source information: NHANES data set

Data type: Logical

Unique non-missing value count: 1

Missing value count: 6,818

Categories	Frequency	Cumulative Frequency	Percent
TRUE	304	304	4.27
Missing	6,818	7,122	95.73

38	Column name:	ins_govt_other		
	Column description:	INSURANCE: Covered by other government insurance		
	Source information:	NHANES data set		
	Data type:	Logical		
	Unique non-missing value count:	1		
	Missing value count:	6,588		
	Categories	Frequency	Cumulative Frequency	Percent
	TRUE	534	534	7.50
	Missing	6,588	7,122	92.50
39	Column name:	cvd_hx		
	Column description:	CVD Hx: Subject reported comorbid cardiovascular disease (CAD, CHF, Angina, MI, CVA)		
	Source information:	Calculated from NHANES data		
	Data type:	Logical		
	Unique non-missing value count:	2		
	Missing value count:	0		
	Categories	Frequency	Cumulative Frequency	Percent
	FALSE	6,510	6,510	91.41
	TRUE	612	7,122	8.59
40	Column name:	cvd_chf_ever		
	Column description:	Ever told had congestive heart failure		
	Source information:	NHANES data set		
	Data type:	Logical		
	Unique non-missing value count:	2		
	Missing value count:	11		
	Categories	Frequency	Cumulative Frequency	Percent
	FALSE	6,947	6,947	97.54
	TRUE	164	7,111	2.30

Missing	11	7,122	0.15
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41	Column name:		cvd_chf_age		
	Column description:		Age when told you had heart failure		
	Source information:		NHANES data set		
	Data type:		Integer		
	Unique non-missing value count:		53		
	Missing value count:		6,960		
Min	Mean	Median	Max	SD	
16.00	55.88	58.00	80.00	16.91	

42	Column name:		cvd_cad_ever		
	Column description:		Ever told you had coronary heart disease		
	Source information:		NHANES data set		
	Data type:		Logical		
	Unique non-missing value count:		2		
	Missing value count:		10		
Categories	Frequency	Cumulative Frequency		Percent	
FALSE	6,924	6,924		97.22	
TRUE	188	7,112		2.64	
Missing	10	7,122		0.14	

43	Column name:		cvd_cad_age		
	Column description:		Age when told had coronary heart disease		
	Source information:		NHANES data set		
	Data type:		Integer		
	Unique non-missing value count:		50		
	Missing value count:		6,937		
Min	Mean	Median	Max	SD	
16.00	57.62	59.00	80.00	12.11	

44	Column name:		cvd_angina_ever		
	Column description:		Ever told you had angina/angina pectoris		
	Source information:		NHANES data set		
	Data type:		Logical		
	Unique non-missing value count:		2		
	Missing value count:		24		
	Categories	Frequency	Cumulative Frequency		Percent
	FALSE	6,983	6,983		98.05
	TRUE	115	7,098		1.61
	Missing	24	7,122		0.34
45	Column name:		cvd_angina_age		
	Column description:		Age when told you had angina pectoris		
	Source information:		NHANES data set		
	Data type:		Integer		
	Unique non-missing value count:		44		
	Missing value count:		7,009		
	Min	Mean	Median	Max	SD
	16.00	49.27	50.00	80.00	14.97
46	Column name:		cvd_mi_ever		
	Column description:		Ever told you had heart attack		
	Source information:		NHANES data set		
	Data type:		Logical		
	Unique non-missing value count:		2		
	Missing value count:		9		
	Categories	Frequency	Cumulative Frequency		Percent
	FALSE	6,902	6,902		96.91
	TRUE	211	7,113		2.96

Missing	9	7,122	0.13
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47	Column name:		cvd_mi_age		
	Column description:		Age when told you had heart attack		
	Source information:		NHANES data set		
	Data type:		Integer		
	Unique non-missing value count:		51		
	Missing value count:		6,913		
	Min	Mean	Median	Max	SD
	16.00	54.56	55.00	80.00	14.22

48	Column name:		cvd_cva_ever		
	Column description:		Ever told you had a stroke		
	Source information:		NHANES data set		
	Data type:		Logical		
	Unique non-missing value count:		2		
	Missing value count:		7		
	Categories	Frequency	Cumulative Frequency		Percent
	FALSE	6,838	6,838		96.01
	TRUE	277	7,115		3.89
	Missing	7	7,122		0.10

49	Column name:		cvd_cva_age		
	Column description:		Age when told you had a stroke		
	Source information:		NHANES data set		
	Data type:		Integer		
	Unique non-missing value count:		62		
	Missing value count:		6,848		
	Min	Mean	Median	Max	SD
	16.00	54.55	55.00	80.00	16.20

50	Column name:	alc_ever
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Column description:	ALCOHOL: Ever had a drink of any kind of alcohol
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	2
Missing value count:	968

Categories	Frequency	Cumulative Frequency	Percent
FALSE	561	561	7.88
TRUE	5,593	6,154	78.53
Missing	968	7,122	13.59

51	Column name:	alc_freq
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Column description:	ALCOHOL: How often do you consume alcohol? (Past 12 months)
Source information:	NHANES data set
Data type:	Ordered, factor
Unique non-missing value count:	11
Missing value count:	1,532

Categories with Smallest Values	Frequency	Categories with Largest Values	Frequency
Every day	202	1-2 times in the last year	583
Nearly every day	218	3-6 times in the last year	586
7-11 times in the last year	352	2-3 times per month	822
3-4 times per week	423	Never in last year	1039
once per month	440	Missing	1532

52	Column name:	alc_per_day
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Column description:	ALCOHOL: When you drink alcohol, how many drinks do you have in one day? (Past 12 months)
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Source information: NHANES data set

Data type: Integer

Unique non-missing value count: 14

Missing value count: 2,576

Min	Mean	Median	Max	SD
1.00	2.62	2.00	15.00	2.18

53	Column name:	alc_heavy
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Column description: ALCOHOL: Heavy Drinking Status

Source information: Calculated from NHANES data

Data type: Logical

Unique non-missing value count: 2

Missing value count: 978

Categories	Frequency	Cumulative Frequency	Percent
FALSE	5,218	5,218	73.27
TRUE	926	6,144	13.00
Missing	978	7,122	13.73

54	Column name:	smoking_hx
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Column description: Smoking status

Source information: Calculated from NHANES data by teaching team

Data type: Ordered, factor

Unique non-missing value count: 3

Missing value count: 4

Categories	Frequency	Cumulative Frequency	Percent
Never	4,274	4,274	60.01
Past	1,474	5,748	20.70
Current	1,370	7,118	19.24
Missing	4	7,122	0.06

55	Column name:		active_mod_work_dur		
	Column description:		Physical Activity: moderate work min per week		
	Source information:		Significantly modified from NHANES data by Teaching Team		
	Data type:		Numeric		
	Unique non-missing value count:		75		
	Missing value count:		3,960		
	Min	Mean	Median	Max	SD
	1.43	124.26	85.71	720.00	121.64
56	Column name:		active_transport_dur		
	Column description:		Physical Activity: transportation min per week		
	Source information:		Significantly modified from NHANES data by Teaching Team		
	Data type:		Numeric		
	Unique non-missing value count:		75		
	Missing value count:		5,435		
	Min	Mean	Median	Max	SD
	1.43	44.70	21.43	840.00	72.20
57	Column name:		active_mod_rec_dur		
	Column description:		Physical Activity: moderate recreational min per week		
	Source information:		Significantly modified from NHANES data by Teaching Team		
	Data type:		Numeric		
	Unique non-missing value count:		70		
	Missing value count:		4,132		
	Min	Mean	Median	Max	SD
	1.43	30.92	19.29	480.00	37.34
58	Column name:		active_total		

Column description:	Physical Activity: total physical activity min per week under PAG
Source information:	Significantly modified from NHANES data by Teaching Team
Data type:	Numeric
Unique non-missing value count:	537
Missing value count:	1,987

Min	Mean	Median	Max	SD
1.43	154.94	61.43	2082.86	228.40

59	Column name:	active_vig_dur
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Column description:	Physical Activity: total minutes of vigorous physical activity per week
Source information:	Significantly modified from NHANES data by Teaching Team
Data type:	Numeric
Unique non-missing value count:	170
Missing value count:	6,493

Min	Mean	Median	Max	SD
7.14	373.31	282.86	1697.14	303.36

60	Column name:	bmi
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Column description:	Body Mass Index
Source information:	NHANES data set
Data type:	Numeric
Unique non-missing value count:	426
Missing value count:	634

Min	Mean	Median	Max	SD
14.20	29.65	28.40	92.30	7.51

61	Column name:	bmi_cat
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Column description:	CDC obesity classification
Source information:	Calculated from NHANES data by teaching team
Data type:	Ordered, factor
Unique non-missing value count:	5
Missing value count:	634

Categories	Frequency	Cumulative Frequency	Percent
Underweight	109	109	1.53
Normal Weight	1,682	1,791	23.62
Overweight	2,078	3,869	29.18
Obese Class 1 or 2	2,034	5,903	28.56
Obese Class 3	585	6,488	8.21
Missing	634	7,122	8.90

62	Column name:	weight_self
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Column description:	Weight Self-Perception: How do you consider your weight
Source information:	NHANES data set
Data type:	Ordered, factor
Unique non-missing value count:	3
Missing value count:	17

Categories	Frequency	Cumulative Frequency	Percent
Overweight	3,528	3,528	49.54
Underweight	415	3,943	5.83
About the right weight	3,162	7,105	44.40
Missing	17	7,122	0.24

63	Column name:	weight_self_wish
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Column description:	Weight Self-Perception: Like to weigh more, less or same
Source information:	NHANES data set
Data type:	Ordered, factor

Unique non-missing value count: 3

Missing value count: 6

Categories	Frequency	Cumulative Frequency	Percent
More	680	680	9.55
Less	4,313	4,993	60.56
About the same	2,123	7,116	29.81
Missing	6	7,122	0.08

64	Column name:	weight_need_ever
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Column description: Weight Needs: Doctor told you to control/lose weight

Source information: NHANES data set

Data type: Logical

Unique non-missing value count: 2

Missing value count: 3

Categories	Frequency	Cumulative Frequency	Percent
FALSE	5,388	5,388	75.65
TRUE	1,731	7,119	24.30
Missing	3	7,122	0.04

65	Column name:	weight_need_exercise
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Column description: Weight Needs: Doctor told you to exercise

Source information: NHANES data set

Data type: Logical

Unique non-missing value count: 2

Missing value count: 4

Categories	Frequency	Cumulative Frequency	Percent
FALSE	4,505	4,505	63.25
TRUE	2,613	7,118	36.69
Missing	4	7,122	0.06

66	Column name:	weight_need_salt		
	Column description:	Weight Needs: Doctor told you to reduce salt in diet		
	Source information:	NHANES data set		
	Data type:	Logical		
	Unique non-missing value count:	2		
	Missing value count:	7		
Categories	Frequency	Cumulative Frequency	Percent	
FALSE	5,343	5,343	75.02	
TRUE	1,772	7,115	24.88	
Missing	7	7,122	0.10	

67	Column name:	weight_need_fat		
	Column description:	Weight Needs: Doctor told you to reduce fat/calories		
	Source information:	NHANES data set		
	Data type:	Logical		
	Unique non-missing value count:	2		
	Missing value count:	8		
Categories	Frequency	Cumulative Frequency	Percent	
FALSE	5,218	5,218	73.27	
TRUE	1,896	7,114	26.62	
Missing	8	7,122	0.11	

68	Column name:	weight_act_now		
	Column description:	Weight Actions (currently): Are you now controlling or losing weight		
	Source information:	NHANES data set		
	Data type:	Logical		
	Unique non-missing value count:	2		
	Missing value count:	9		
Categories	Frequency	Cumulative Frequency	Percent	

FALSE	2,718	2,718	38.16
TRUE	4,395	7,113	61.71
Missing	9	7,122	0.13

69	Column name:	weight_act_now_exercise
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Column description:	Weight Actions (currently): Are you now increasing exercise
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	2
Missing value count:	3

Categories	Frequency	Cumulative Frequency	Percent
FALSE	2,903	2,903	40.76
TRUE	4,216	7,119	59.20
Missing	3	7,122	0.04

70	Column name:	weight_act_now_salt
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Column description:	Weight Actions (currently): Are you now reducing salt in diet
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	2
Missing value count:	4

Categories	Frequency	Cumulative Frequency	Percent
FALSE	3,306	3,306	46.42
TRUE	3,812	7,118	53.52
Missing	4	7,122	0.06

71	Column name:	weight_act_now_fat
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Column description:	Weight Actions (currently): Are you now reducing fat in diet
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Source information: NHANES data set

Data type: Logical

Unique non-missing value count: 2

Missing value count: 6

Categories	Frequency	Cumulative Frequency	Percent
FALSE	3,077	3,077	43.20
TRUE	4,039	7,116	56.71
Missing	6	7,122	0.08

72	Column name:	weight_act_year
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Column description: Weight Actions (past 12 months): Tried to lose weight in past year

Source information: NHANES data set

Data type: Logical

Unique non-missing value count: 2

Missing value count: 907

Categories	Frequency	Cumulative Frequency	Percent
FALSE	3,753	3,753	52.70
TRUE	2,462	6,215	34.57
Missing	907	7,122	12.74

73	Column name:	weight_act_year_cut
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Column description: Weight Actions (past 12 months): Ate less to lose weight

Source information: NHANES data set

Data type: Logical

Unique non-missing value count: 1

Missing value count: 5,127

Categories	Frequency	Cumulative Frequency	Percent
TRUE	1,995	1,995	28.01
Missing	5,127	7,122	71.99

74	Column name:	weight_act_year_calories
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Column description:	Weight Actions (past 12 months): Switched to foods with lower calories
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	1
Missing value count:	5,996

Categories	Frequency	Cumulative Frequency	Percent
TRUE	1,126	1,126	15.81
Missing	5,996	7,122	84.19

75	Column name:	weight_act_year_fat
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Column description:	Weight Actions (past 12 months): Ate less fat to lose weight
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	1
Missing value count:	6,006

Categories	Frequency	Cumulative Frequency	Percent
TRUE	1,116	1,116	15.67
Missing	6,006	7,122	84.33

76	Column name:	weight_act_year_exercise
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Column description:	Weight Actions (past 12 months): Exercised to lose weight
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	1
Missing value count:	4,998

Categories	Frequency	Cumulative Frequency	Percent
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TRUE	2,124	2,124	29.82
Missing	4,998	7,122	70.18

77	Column name:	weight_act_year_skip
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Column description:	Weight Actions (past 12 months): Skipped meals
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	1
Missing value count:	6,312

Categories	Frequency	Cumulative Frequency	Percent
TRUE	810	810	11.37
Missing	6,312	7,122	88.63

78	Column name:	weight_act_year_product
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Column description:	Weight Actions (past 12 months): Ate diet foods or products
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	1
Missing value count:	6,818

Categories	Frequency	Cumulative Frequency	Percent
TRUE	304	304	4.27
Missing	6,818	7,122	95.73

79	Column name:	weight_act_year_liquid
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Column description:	Weight Actions (past 12 months): Used a liquid diet formula
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	1
Missing value count:	6,874

Categories	Frequency	Cumulative Frequency	Percent
TRUE	248	248	3.48
Missing	6,874	7,122	96.52

80	Column name:	weight_act_year_program
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Column description: Weight Actions (past 12 months): Joined a weight loss program

Source information: NHANES data set

Data type: Logical

Unique non-missing value count: 1

Missing value count: 6,970

Categories	Frequency	Cumulative Frequency	Percent
TRUE	152	152	2.13
Missing	6,970	7,122	97.87

81	Column name:	weight_act_year_rx
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Column description: Weight Actions (past 12 months): Took prescription diet pills

Source information: NHANES data set

Data type: Logical

Unique non-missing value count: 1

Missing value count: 7,007

Categories	Frequency	Cumulative Frequency	Percent
TRUE	115	115	1.61
Missing	7,007	7,122	98.39

82	Column name:	weight_act_year_nonrx
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Column description: Weight Actions (past 12 months): Took non-RX suppl. to lose weight

Source information: NHANES data set

Data type: Logical

Unique non-missing value count: 1

Missing value count: 6,910

Categories	Frequency	Cumulative Frequency	Percent
TRUE	212	212	2.98
Missing	6,910	7,122	97.02

83	Column name:	weight_act_year_purge
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Column description: Weight Actions (past 12 months): Took laxatives or vomited

Source information: NHANES data set

Data type: Logical

Unique non-missing value count: 1

Missing value count: 7,062

Categories	Frequency	Cumulative Frequency	Percent
TRUE	60	60	0.84
Missing	7,062	7,122	99.16

84	Column name:	weight_act_year_water
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Column description: Weight Actions (past 12 months): Drank a lot of water

Source information: NHANES data set

Data type: Logical

Unique non-missing value count: 1

Missing value count: 5,172

Categories	Frequency	Cumulative Frequency	Percent
TRUE	1,950	1,950	27.38
Missing	5,172	7,122	72.62

85	Column name:	weight_act_year_diet
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Column description: Weight Actions (past 12 months): Followed a special diet

Source information: NHANES data set

Data type: Logical

Unique non-missing value count: 1

Missing value count: 6,875

Categories	Frequency	Cumulative Frequency	Percent
TRUE	247	247	3.47
Missing	6,875	7,122	96.53

86	Column name:	weight_act_year_carbs
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Column description: Weight Actions (past 12 months): Ate fewer carbohydrates

Source information: NHANES data set

Data type: Logical

Unique non-missing value count: 1

Missing value count: 5,999

Categories	Frequency	Cumulative Frequency	Percent
TRUE	1,123	1,123	15.77
Missing	5,999	7,122	84.23

87	Column name:	weight_act_year_smoke
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Column description: Weight Actions (past 12 months): Started to smoke or began to smoke again

Source information: NHANES data set

Data type: Logical

Unique non-missing value count: 1

Missing value count: 7,075

Categories	Frequency	Cumulative Frequency	Percent
TRUE	47	47	0.66
Missing	7,075	7,122	99.34

88	Column name:	weight_act_year_veg
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Column description:	Weight Actions (past 12 months): Ate more fruits, vegetables, salads
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	1
Missing value count:	5,281

Categories	Frequency	Cumulative Frequency	Percent
TRUE	1,841	1,841	25.85
Missing	5,281	7,122	74.15

89	Column name:	weight_act_year_habits
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Column description:	Weight Actions (past 12 months): Changed eating habits
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	1
Missing value count:	5,658

Categories	Frequency	Cumulative Frequency	Percent
TRUE	1,464	1,464	20.56
Missing	5,658	7,122	79.44

90	Column name:	weight_act_year_sweets
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Column description:	Weight Actions (past 12 months): Ate less sugar, candy, sweets
Source information:	NHANES data set
Data type:	Logical
Unique non-missing value count:	1
Missing value count:	5,581

Categories	Frequency	Cumulative Frequency	Percent
TRUE	1,541	1,541	21.64
Missing	5,581	7,122	78.36

91	Column name:	weight_act_year_junk		
	Column description:	Weight Actions (past 12 months): Ate less junk food or fast food		
	Source information:	NHANES data set		
	Data type:	Logical		
	Unique non-missing value count:	1		
	Missing value count:	5,479		
	Categories	Frequency	Cumulative Frequency	Percent
	TRUE	1,643	1,643	23.07
	Missing	5,479	7,122	76.93
92	Column name:	weight_act_year_surgery		
	Column description:	Weight Actions (past 12 months): Had weight loss surgery to lose weight		
	Source information:	NHANES data set		
	Data type:	Logical		
	Unique non-missing value count:	1		
	Missing value count:	7,100		
	Categories	Frequency	Cumulative Frequency	Percent
	TRUE	22	22	0.31
	Missing	7,100	7,122	99.69
93	Column name:	weight_act_year_other		
	Column description:	Weight Actions (past 12 months): Other		
	Source information:	NHANES data set		
	Data type:	Logical		
	Unique non-missing value count:	1		
	Missing value count:	7,067		
	Categories	Frequency	Cumulative Frequency	Percent
	TRUE	55	55	0.77

Missing	7,067	7,122	99.23
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94	Column name:	rx_use
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Column description:	RX: Subject reported taking a prescription medication in the past month
Source information:	RX Data Supplement
Data type:	Logical
Unique non-missing value count:	1
Missing value count:	6,214

Categories	Frequency	Cumulative Frequency	Percent
TRUE	908	908	12.75
Missing	6,214	7,122	87.25

95	Column name:	rx_lipid
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Column description:	RX: Subject reported an anti-hyperlipidemic drug
Source information:	Calculated from RX Data Supplement
Data type:	Logical
Unique non-missing value count:	2
Missing value count:	6,214

Categories	Frequency	Cumulative Frequency	Percent
FALSE	10	10	0.14
TRUE	898	908	12.61
Missing	6,214	7,122	87.25

96	Column name:	rx_count_lipid
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Column description:	RX: Total number of anti-hyperlipidemic drugs reported by the subject
Source information:	Calculated from RX Data Supplement
Data type:	Integer
Unique non-missing value count:	4
Missing value count:	6,214

Categories	Frequency	Cumulative Frequency	Percent
0	10	10	0.14
1	867	877	12.17
2	29	906	0.41
3	2	908	0.03
Missing	6,214	7,122	87.25

97	Column name:	rx_count_total		
	Column description:	RX: Number of prescription medicines taken		
	Source information:	RX Data Supplement		
	Data type:	Integer		
	Unique non-missing value count:	17		
	Missing value count:	6,214		
Min	Mean	Median	Max	SD
1.00	4.61	4.00	19.00	2.80

98	Column name:	rx_statin	
	Column description:	RX: Subject reported a statin class anti-hyperlipidemic	
	Source information:	Calculated from RX Data Supplement	
	Data type:	Logical	
	Unique non-missing value count:	2	
	Missing value count:	6,214	
Categories	Frequency	Cumulative Frequency	Percent
FALSE	54	54	0.76
TRUE	854	908	11.99
Missing	6,214	7,122	87.25

99	Column name:	rx_pcks9
	Column description:	RX: Subject reported a PCKS9 inhibitor class anti-hyperlipidemic

Source information: Calculated from RX Data Supplement

Data type: Logical

Unique non-missing value count: 2

Missing value count: 6,214

Categories	Frequency	Cumulative Frequency	Percent
FALSE	905	905	12.71
TRUE	3	908	0.04
Missing	6,214	7,122	87.25

100	Column name:	rx_fibrate
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Column description: RX: Subject reported a fibrate class anti-hyperlipidemic

Source information: Calculated from RX Data Supplement

Data type: Logical

Unique non-missing value count: 2

Missing value count: 6,214

Categories	Frequency	Cumulative Frequency	Percent
FALSE	875	875	12.29
TRUE	33	908	0.46
Missing	6,214	7,122	87.25

101	Column name:	rx_sequestrant
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Column description: RX: Subject reported a bile acid sequestrant class anti-hyperlipidemic

Source information: Calculated from RX Data Supplement

Data type: Logical

Unique non-missing value count: 2

Missing value count: 6,214

Categories	Frequency	Cumulative Frequency	Percent
FALSE	904	904	12.69
TRUE	4	908	0.06

Missing	6,214	7,122	87.25
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102	Column name:	rx_supplement
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Column description:	RX: Subject reported a dietary supplement used as an anti-hyperlipidemic
Source information:	Calculated from RX Data Supplement
Data type:	Logical
Unique non-missing value count:	2
Missing value count:	6,214

Categories	Frequency	Cumulative Frequency	Percent
FALSE	900	900	12.64
TRUE	8	908	0.11
Missing	6,214	7,122	87.25

103	Column name:	rx_other
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Column description:	RX: Subject reported an anti-hyperlipidemic medication not otherwise classified
Source information:	Calculated from RX Data Supplement
Data type:	Logical
Unique non-missing value count:	2
Missing value count:	6,214

Categories	Frequency	Cumulative Frequency	Percent
FALSE	881	881	12.37
TRUE	27	908	0.38
Missing	6,214	7,122	87.25

104	Column name:	rx_non_lipid
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Column description:	RX: Subject reported a non-lipid lowering medication
Source information:	Calculated from RX Data Supplement
Data type:	Logical
Unique non-missing value count:	2

Missing value count: 6,214

Categories	Frequency	Cumulative Frequency	Percent
FALSE	896	896	12.58
TRUE	12	908	0.17
Missing	6,214	7,122	87.25