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

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

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

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

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

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

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

Categories	Frequency	Cumulative Frequency	Percent
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

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

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

	Frequency	Cumulative Frequency	Percent
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

	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**

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**

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

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

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

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

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:	2
Missing value count:	1,398

Categories	Frequency	Cumulative Frequency	Percent
FALSE	5,722	5,722	80.34
TRUE	2	5,724	0.03
Missing	1,398	7,122	19.63

32	**Column name:**		**ins_rx**	

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**	

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**	

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

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35   **Column name:**   **ins_govt_medicaid**

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

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36   **Column name:**   **ins_govt_chip**

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

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37   **Column name:**   **ins_govt_state**

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

	Frequency	Cumulative Frequency	Percent
FALSE	6,947	6,947	97.54
TRUE	164	7,111	2.30
Missing	11	7,122	0.15

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

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

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

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**		

	Column description:	ALCOHOL: When you drink alcohol, how many drinks do you have in one day? (Past 12 months)
	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**	

	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**	

	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

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

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

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

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	

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	

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	

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

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

	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

	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

Column description:	Weight Actions (currently): Are you now reducing fat in diet
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

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

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

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

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

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
TRUE	2,124	2,124	29.82
Missing	4,998	7,122	70.18

77	Column name:	weight_act_year_skip

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

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

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**	

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**	

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**	

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**	

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**	

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

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

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

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

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

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

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

94	Column name:	rx_use

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

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

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

Categories	Frequency	Cumulative Frequency	Percent
TRUE	854	908	11.99
Missing	6,214	7,122	87.25

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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

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100   **Column name:**   **rx_fibrate**

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

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101   **Column name:**   **rx_sequestrant**

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

102	Column name:	rx_supplement

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

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** | |

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