**Model Codes** (also can be found in ADD Health study data documents)

**DS0022 - Wave IV**

**H4ID5H** Depression (Nominal Data) “Has a doctor, nurse or other health care provider ever told you that you have or had: depression?”

0 = no

1 = yes

6 = refused

**H4SE1** Suicidal Thoughts (Nominal Data) “During the past 12 months, have you ever seriously thought about committing suicide?”

0 = no

1 = yes

6 = refused

7 = legitimate skip

8 = don’t know

**H4PR** Pulse Rate (Ratio Data)

# = bpm

996 = refused

997 = legitimate skip

999 = invalid data

. = missing

**H4PP** Pulse Pressure (Ratio Data)

# **=** mmHg

996 = refused

997 = legitimate skip

999 = invalid data

. = missing

**H4MAP** Mean Arterial Pressure (Ratio Data)

# **=** mmHg

996 = refused

997 = legitimate skip

999 = invalid data

. = missing

**H4GH1** General Health (Ordinal Data)

1 = excellent

2 = very good

3 = good

4 = fair

5 = poor

**H4DA1** Hours Watching TV/Videos (Ratio Data) “In the past seven days, how many hours did you watch television or videos, including VHS, DVDs, or music videos?”

# = of hours

996 = refused

998 = don’t know

. = missing

**H4DA2** Times Bicycling/Yard Work (Ratio Data) “In the past seven days, how many times did you bicycle, skateboard, dance, hike, hunt, or do yard work?”

# = of hours

96 = refused

98 = don’t know

. = missing

**H4DA3** Times Rollerblading/Racquet Sports (Ratio Data) “In the past seven days, how many times did you roller blade, roller skate, downhill ski, snow board, play racquet sports, or do aerobics?”

# = of hours

96 = refused

98 = don’t know

. = missing

**H4DA4** Times in Strenuous Team Sports (Ratio Data) “In the past seven days, how many times did you participate in strenuous team sports such as football, soccer, basketball, lacrosse, rugby, field hockey, or ice hockey?”

# = of hours

96 = refused

98 = don’t know

. = missing

**H4DA5** Times in Individual Sports (Ratio Data) “In the past seven days, how many times did you participate in individual sports such as running, wrestling, swimming, cross-country skiing, cycle racing, or martial arts?”

# = of hours

96 = refused

98 = don’t know

. = missing

**H4DA6** Times in Gymnastics/Strength Training (Ratio Data) “In the past seven days, how many times did you participate in gymnastics, weight lifting, or strength training?”

# = of hours

96 = refused

98 = don’t know

. = missing

**H4DA7** Times in Golf/Fishing/Softball (Ratio Data) “In the past seven days, how many times did you play golf, go fishing, bowling, or play softball or baseball?”

# = of hours

96 = refused

98 = don’t know

. = missing

**H4DA8** Times Walking for Exercise (Ratio Data) “In the past seven days, how many times did you walk for exercise?”

# = of hours

96 = refused

98 = don’t know

**H4DA11** Vigorous Physical Activity (Nominal Data) “In the past 24 hours, have you participated in vigorous physical activity long enough to work up a sweat, get your heart thumping, or get out of breath?”

0 = no

1 = yes

6 = refused

8 = don’t know

**H4DA13** Fitness Center Use (Ratio Data) “On the average, how many times per week do you use a physical fitness or recreation center in your neighborhood?”

# = of hours

96 = refused

97 = legitimate skip

. = missing

**H4DA17** Hours Outdoors in Sun (Ratio Data) “During a typical summer week, how many hours do you spend outdoors in the sun during the day?”

# = of hours

995 = not asked on pretest

996 = refused

997 = legitimate skip

998 = don’t know

. = missing

**H4DA22** Hours Using Internet (Ratio Data) “In the past seven days, how many hours did you spend using the Internet, for example, accessing your email or using the web? Do not count internet use for work or school.”

# = of hours

996 = refused

997 = legitimate skip

998 = don’t know

. = missing

**H4DA23** Hours on Video/Computer Games (Ratio Data) “In the past seven days, how many hours did you spend playing video or computer games, or using a computer? Do not count internet use for work or school.”

# = of hours

996 = refused

997 = legitimate skip

998 = don’t know

. = missing

**H4RE7** Frequency of Religious Services (Ordinal Data) “How often have you attended church, synagogue, temple, mosque, or religious services in the past 12 months?”

0 = never

1 = a few times

2 = once a month

3 = 2 or 3 times a month

4 = once a week

5 = more than once a week

8 = don’t know

**H4RE9** Importance of Religious Faith (Ordinal Data) “How important (if at all) is your religious faith to you?”

1 = not important

2 = somewhat important

3 = very important

4 = more important than anything else

6 = refused

8 = don’t know

**C4WD90\_1** Word Recall Score (Ratio Data) “How many total words on the Word List did the respondent remember during the 90-second recall period?”

# = of hours

96 = refused

99 = no Word List Recall Form for respondent

. = missing

**H4TO3** Regular Smoking (Nominal Data) “Have you ever smoked cigarettes regularly–that is, at least one cigarette every day for 30 days?”

0 = no

1 = yes

6 = refused

7 = legitimate skip (0)

8 = don’t know

**H4TO36** Usual Drinks Per Occasion (Ratio Data)

“Think of all the times you have had a drink during the past 12 months. How many drinks did you usually have each time?”

# = of hours

96 = refused

97 = legitimate skip (0)

98 = don’t know

**H4GH8** Fast Food Consumption (Ratio Data)

# = number of times in past week

996 = refused

998 = don’t know

**H4GH9** Sweetened Drinks (Ratio Data)

# = number of drinks in past week

998 = don’t know

**H4GH10** Diet Drink (Ratio Data) In the past 7 days, how many diet or low-calorie drinks did you have? Include diet sodas, unsweetened tea or coffee, or other drinks sweetened with artificial sweeteners.

# = number of drinks

996 = refused

998 - don’t know

**H4SP5** Trouble Falling Asleep (Ordinal Data)

0 = never in the past four weeks

1 = less than once a week

2 = 1 or 2 times a week

3 = 3 or 4 times a week

4 = 5 or more times a week

5 = not asked on pretest

8 = don’t know

**H4SP6** Trouble Staying Asleep (Ordinal Data)

0 = never in the past four weeks

1 = less than once a week

2 = 1 or 2 times a week

3 = 3 or 4 times a week

4 = 5 or more times a week

5 = not asked on pretest

8 = don’t know

**H4MI1** Military Status (Nominal Data)

0 = no

1 = yes

**H4ID17** (Ordinal Data) Which statement best describes your hearing without a hearing aid or other assistive devices?

1 excellent

2 good

3 a little trouble

4 moderate hearing trouble

5 a lot of trouble

6 deaf

**H4DA28** Political Affiliation (One Hot Encoded) In terms of politics, do you consider yourself very conservative, conservative, middle-of-the-road, liberal, or very liberal?

    1 = very conservative

    2 = conservative

    3 = middle-of-the-road

    4 = liberal

    5 = very liberal

    96 = refused

    98 = don’t know

    . = missing

**H4EC1** Household Income (Ordinal Data)

1 = less than $5,000

2 = $5,000 to $9,999

3 = $10,000 to $14,999

4 = $15,000 to $19,999

5 = $20,000 to $24,999

6 = $25,000 to $29,999

7 = $30,000 to $39,999

8 = $40,000 to $49,999

9 = $50,000 to $74,999

10 = $75,000 to $99,999

11 = $100,000 to $149,999

12 = $150,000 or more

96 = refused

98 = don’t know

**H4DA26** Hours Volunteer or Community Service (Ordinal Data)

0 = 0 hours

1 = 1 to 19 hours

2 = 20 to 39 hours

3 = 40 to 79 hours

4 = 80 to 159 hours

5 = 160 hours or more

96 = refused

97 = legitimate skip

98 = don’t know

. = missing

**H4MH18** Bothered by Things (Ordinal Data) During the past seven days: You were bothered by things that usually don’t bother you.

0 = never or rarely

1 = sometimes

2 = a lot of the time

3 = most of the time or all of the time

6 = refused

8 = don’t know

**H4MH19** Couldn’t Shake Off the Blues (Ordinal Data) During the past seven days: You could not shake off the blues, even with help from your family and friends

0 = never or rarely

1 = sometimes

2 = a lot of the time

3 = most of the time or all of the time

6 = refused

**H4MH20** Felt Just as Good as Others (Ordinal Data, reverse coded) During the past seven days: You felt you were just as good as other people.

0 = never or rarely

1 = sometimes

2 = a lot of the time

3 = most of the time or all of the time

6 = refused

8 = don’t know

**H4MH21** Trouble Keeping Mind on Tasks (Ordinal Data) During the past seven days: You had trouble keeping your mind on what you were doing.

0 = never or rarely

1 = sometimes

2 = a lot of the time

3 = most of the time or all of the time

6 = refused

**H4MH22** Felt Depressed (Ordinal Data) During the past seven days: You felt depressed.

0 = never or rarely

1 = sometimes

2 = a lot of the time

3 = most of the time or all of the time

6 = refused

**H4MH23** Too Tired to Do Things (Ordinal Data) During the past seven days: You felt that you were too tired to do things.

0 = never or rarely

1 = sometimes

2 = a lot of the time

3 = most of the time or all of the time

6 = refused

**H4MH24** Felt Happy (Ordinal Data, reverse coded) During the past seven days: You felt happy.

0 = never or rarely

1 = sometimes

2 = a lot of the time

3 = most of the time or all of the time

6 = refused

**H4MH25** Enjoyed Life (Ordinal Data, reverse coded) During the past seven days: You enjoyed life.

0 = never or rarely

1 = sometimes

2 = a lot of the time

3 = most of the time or all of the time

6 = refused

**H4MH26** Felt Sad (Ordinal Data) During the past seven days: You felt sad.

0 = never or rarely

1 = sometimes

2 = a lot of the time

3 = most of the time or all of the time

6 = refused

**H4MH27** Felt Disliked (Ordinal Data) During the past seven days: You felt that people disliked you.

0 = never or rarely

1 = sometimes

2 = a lot of the time

3 = most of the time or all of the time

6 = refused

8 = don’t know

**H4MH28** Treated with Less Respect or Courtesy (Ordinal Data) In your day-to-day life, how often do you feel you have been treated with less respect or courtesy than other people?

0 = never

1 = rarely

2 = sometimes

3 = often

6 = refused

**DS0028 - Wave IV**

**AID** RESPONDENT IDENTIFIER

**CRP (Ratio Data)** HIGH SENSITIVITY C-REACTIVE PROTEIN (hsCRP) (MG/L)

    # = hsCRP value (MG/L)

    998 = hsCRP below the limit of detection

    999 = No result for hsCRP

    . = No sample available for hsCRP testing

**EBV (Ratio Data)** EPSTEIN BARR VIRAL CAPSID ANTIGEN IgG (EBV) (AU/ML)

    # = EBV value (AU/ML)

    9998 = EBV below the limit of detection

    9999 = No result for EBV

    . = No sample available for EBV testing

**C\_CRP (Ordinal Data)** CLASSIFICATION OF HIGH SENSITIVITY C-REACTIVE PROTEIN (hsCRP)

    1 = hsCRP < 1 mg/L - Low

    2 = hsCRP 1 - 3 mg/L - Average

    3 = hsCRP > 3 mg/L - High

    8 = hsCRP below the limit of detection

    9 = No result for hsCRP

    . = No sample available for hsCRP testing

**C\_SUBCLN (Ordinal Data)** COUNT OF COMMON SUBCLINICAL SYMPTOMS

    0 = 0

    1 = 1

    2 = 2

    3 = 3 or more

**C\_INFECT (Ordinal Data)** COUNT OF COMMON INFECTIOUS OR INFLAMMATORY DISEASES

    0 = 0

    1 = 1

    2 = 2

    3 = 3 or more

**CRP\_MED1 (Nominal Data)** NSAID/SALICYLATE MEDICATION USE IN THE PAST 24 HOURS

    0 = Did not report taking NSAID/Salicylate medications in the past 24 hours

    1 = Reported taking NSAID/Salicylate medications in the past 24 hours

**CRP\_MED2 (Nominal Data)** NSAID/SALICYLATE MEDICATION USE IN THE PAST 4 WEEKS

    0 = Did not report taking NSAID/Salicylate medications in the past 4 weeks

    1 = Reported taking NSAID/Salicylate medications in the past 4 weeks

**CRP\_MED3 (Nominal Data)** COX-2 INHIBITOR MEDICATION USE IN THE PAST 4 WEEKS

    0 = Did not report taking Cox-2 Inhibitor medications in the past 4 weeks

    1 = Reported taking Cox-2 Inhibitor medications in the past 4 weeks

**CRP\_MED4 (Nominal Data)** INHALED CORTICOSTEROID MEDICATION USE IN THE PAST 4 WEEKS

    0 = Did not report taking inhaled corticosteroid medications in the past 4 weeks

    1 = Reported taking inhaled corticosteroid medications in the past 4 weeks

**CRP\_MED5 (Nominal Data)** CORTICOTROPIN/GLUCOCORTICOID MEDICATION USE IN THE PAST 4 WEEKS

    0 = Did not report taking corticotropin/glucocorticoid medications in the past 4 weeks

    1 = Reported taking corticotropin/glucocorticoid medications in the past 4 weeks

**CRP\_MED6 (Nominal Data)** ANTIRHEUMATIC/ANTIPSORIATIC MEDICATION USE IN THE PAST 4 WEEKS

    0 = Did not report taking antirheumatic/antipsoriatic medications in the past 4 weeks

    1 = Reported taking antirheumatic/antipsoriatic medications in the past 4 weeks

**CRP\_MED7 (Nominal Data)** IMMUNOSUPPRESSIVE MEDICATION USE IN THE PAST 4 WEEKS

    0 = Did not report taking immunosuppressive medications in the past 4 weeks

    1 = Reported taking immunosuppressive medications in the past 4 weeks

**CRP\_MED8 (Nominal Data)**

ANTI-INFLAMMATORY MEDICATION USE

    0 = Did not report taking an anti-inflammatory medication

    1 = Reported taking an anti-inflammatory medication

**DS0030 - Wave IV**

**AID** RESPONDENT IDENTIFIER

**TG (Ordinal Data)** TRIGLYCERIDES (TG) DECILE

    1 = First decile

    2 = Second decile

    3 = Third decile

    4 = Fourth decile

    5 = Fifth decile

    6 = Sixth decile

    7 = Seventh decile

    8 = Eighth decile

    9 = Ninth decile

    10 = Tenth decile

    99 = No result for triglycerides (TG)

    . = No sample available for testing

**TG\_FLG (Nominal Data)** Triglycerides (TG) Measurement Method

    1 = Imputed

    2 = Assayed

    9 = No result for triglycerides (TG)

    . = No sample available for testing

**TC (Ordinal Data)** Total Cholesterol (TC) Decile

    1 = First decile

    2 = Second decile

    3 = Third decile

    4 = Fourth decile

    5 = Fifth decile

    6 = Sixth decile

    7 = Seventh decile

    8 = Eighth decile

    9 = Ninth decile

    10 = Tenth decile

    99 = No result for total cholesterol (TC)

    . = No sample available for testing

**TC\_FLG (Nominal Data)** Total Cholesterol (TC) Measurement Method

    1 = Imputed

    2 = Assayed

    9 = No result for total cholesterol (TC)

    . = No sample available for testing

**HDL (Ordinal Data)** High-Density Lipoprotein Cholesterol (HDL-C) Decile

    1 = First decile

    2 = Second decile

    3 = Third decile

    4 = Fourth decile

    5 = Fifth decile

    6 = Sixth decile

    7 = Seventh decile

    8 = Eighth decile

    9 = Ninth decile

    10 = Tenth decile

    99 = No result for HDL-C

    . = No sample available for testing

**HDL\_FLG (Nominal Data)** High-Density Lipoprotein Cholesterol (HDL-C) Measurement Method

    1 = Imputed

    2 = Assayed

    9 = No result for HDL-C

    . = No sample available for testing

**LDL (Ordinal Data)** Low-Density Lipoprotein Cholesterol (LDL-C) Decile

    1 = First decile

    2 = Second decile

    3 = Third decile

    4 = Fourth decile

    5 = Fifth decile

    6 = Sixth decile

    7 = Seventh decile

    8 = Eighth decile

    9 = Ninth decile

    10 = Tenth decile

    99 = No result for LDL-C

    . = No sample available for testing

**NON\_HDL (Ordinal Data)** Non-High-Density Lipoprotein Cholesterol (non-HDL-C) Decile

    1 = First decile

    2 = Second decile

    3 = Third decile

    4 = Fourth decile

    5 = Fifth decile

    6 = Sixth decile

    7 = Seventh decile

    8 = Eighth decile

    9 = Ninth decile

    10 = Tenth decile

    99 = No result for non-HDL-C

    . = No sample available for testing

**TC\_HDL (Ordinal Data)**

Total Cholesterol to High-Density Lipoprotein Cholesterol Ratio (TC:HDL-C) Decile

    1 = First decile

    2 = Second decile

    3 = Third decile

    4 = Fourth decile

    5 = Fifth decile

    6 = Sixth decile

    7 = Seventh decile

    8 = Eighth decile

    9 = Ninth decile

    10 = Tenth decile

    99 = No result for TC:HDL-C

    . = No sample available for testing

**C\_MED2** (**Nominal Data)** Antihyperlipidemic Medication Use

0 = Did not report taking antihyperlipidemic medication

1 = Reported taking antihyperlipidemic medication

**C\_JOINT2** (**Nominal Data)** Antihyperlipidemic Joint Classification of Hyperlipidemia

0 = No evidence of hyperlipidemia

1 = Evidence of hyperlipidemia

**FASTTIME (Ratio Data)** Hours Since Last Ate

    0 = 0 hours

    0.100 = 0.1 hours

    0.200 = 0.2 hours

    0.300 = 0.3 hours

    0.400 = 0.4 hours

    23.500 = 23.5 hours

    23.600 = 23.6 hours

    23.700 = 23.7 hours

    23.900 = 23.9 hours

    . = Missing

**FAST\_LIP (Nominal Data)** Fasted for Nine Hours or More

    0 = Fasted for less than nine hours

    1 = Fasted for nine hours or more

    . = Missing

**DS0029 - Wave IV**

**AID** RESPONDENT IDENTIFIER

**GLUCOSE (Ratio Data)** GLUCOSE (MG/DL)

    # = Glucose value (MG/DL)

    999 = No result for glucose

    . = No blood sample available for testing

**HBA1C (Ratio Data)** HEMOGLOBIN A1c (%)

    # = HbA1c value (%)

    99 = No result for HbA1c

    . = No blood sample available for testing

**CONVERT (Nominal Data)** HbA1c INTER-CONVERSION FLAG

    0 = No conversion

    1 = Converted FlexSite 2 to FlexSite 1

    2 = Converted BIOSAFE to FlexSite 2 to FlexSite 1

    9 = No result for HbA1c

    . = No blood sample available for testing

**FASTTIME (Ratio Data)** HOURS SINCE LAST ATE

    # = Hours since last ate

    . = Fasting time could not be calculated

**C\_FGLU (Ordinal Data)** CLASSIFICATION OF FASTING GLUCOSE

    1 = Glucose ≤ 99 mg/dl

    2 = Glucose 100-125 mg/dl - Impaired Fasting Glucose (IFG)/Pre-Diabetes

    3 = Glucose ≥ 126 mg/dl - Diabetes

    4 = Non-Fasting

    5 = Fasting status unknown

    9 = No result for glucose

    . = No blood sample available for testing

**C\_NFGLU (Ordinal Data)** CLASSIFICATION OF NON-FASTING GLUCOSE

    1 = Glucose ≤ 199 mg/dl

    2 = Glucose ≥ 200 mg/dl - Diabetes

    3 = Fasting

    4 = Fasting status unknown

    9 = No result for glucose

    . = No blood sample available for testing

**C\_HBA1C (Ordinal Data)** CLASSIFICATION OF HbA1c

    1 = HbA1c ≤ 5.6%

    2 = HbA1c 5.7-6.4% - Pre-Diabetes

    3 = HbA1c ≥ 6.5% - Diabetes

    9 = No result for HbA1c

    . = No blood sample available for testing

**C\_MED (Nominal Data)** ANTI-DIABETIC MEDICATION USE

    0 = Did not report taking anti-diabetic medication

    1 = Reported taking anti-diabetic medication

**C\_JOINT (Nominal Data)** JOINT CLASSIFICATION OF GLUCOSE, HbA1c, SELF-REPORTED HISTORY OF DIABETES, AND ANTI-DIABETIC MEDICATION USE

    0 = No Diabetes

    1 = Has Diabetes

**DS0032 - Wave V**

**H5OD1Y (Ratio Data)** Respondent Birth Year.

    1976 = 1976

    1977 = 1977

    1978 = 1978

    1979 = 1979

    1980 = 1980

    1981 = 1981

    1982 = 1982

    . = missing

**H5ID6G** Depression Diagnosis (Nominal Data) “Has a doctor, nurse, or other health care provider ever told you that you have or had depression?”

0 = no

1 = yes

. = Total missing

**H5ID6GA** Age at Depression Diagnosis (Ratio Data)

# = Age (in years)

997 = Legitimate skip

. = Missing

**H5ID6GM** Prescription Medication for Depression (Nominal Data)

0 = no

1 = yes

. = Missing

**H5MN8** Suicidal Thoughts in Last 12 Months (Nominal Data)

0 = no

1 = yes

. = missing

**H5SS0A** Couldn’t Shake Off the Blues (Ordinal Data) During the past 7 days, I felt that I could not shake off the blues, even with help from my family and friends.

1 = never or rarely

2 = sometimes

3 = a lot of the time

4 = most of the time or all of the time

. = missing

**H5SS0B** Felt Depressed (Ordinal Data) During the past 7 days, I felt depressed.

1 = never or rarely

2 = sometimes

3 = a lot of the time

4 = most of the time or all of the time

. = missing

**H5SS0C** Felt Happy (Ordinal Data, reverse coded) During the past 7 days, I was happy.

1 = never or rarely

2 = sometimes

3 = a lot of the time

4 = most of the time or all of the time

. = missing

**H5SS0D** Felt Sad (Ordinal Data) During the past 7 days, I felt sad.

1 = never or rarely

2 = sometimes

3 = a lot of the time

4 = most of the time or all of the time

. = missing

**H5SS0E** Life Not Worth Living (Ordinal Data) During the past 7 days, I felt that life was not worth living.

1 = never or rarely

2 = sometimes

3 = a lot of the time

4 = most of the time or all of the time

. = missing

**Created Codes**

**DIABET** Combined Diabetes Coding for C\_FGLU and C\_NFGLU

0 = Not Diabetes

1 = Pre-Diabetes

2 = Diabetes

**mh\_avg\_iv**  Wave 4 depression score (Mean of H4MH19, H4MH22, H4MH24, H4MH26)

# = score

**mh\_avg\_v** Wave 5depression score (Mean of H5SS0A, H5SS0B, H5SS0C, H5SS0D)

# = score

**y** Change in depression score from wave 4 to 5

# = change in score