Atherosclerosis Risk in Communities Study

Cohort Exam Visit 1 – 10 (Excluding 8) NCS

Longitudinal Lab np Dataset (LONGLABV1V10_np_YYMMDD) Variable Dictionary (v1.0)

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Prepared by the Collaborative Studies Coordinating Center

ARIC LONGLABV1V10_np_YYMMDD Longitudinal Lab Dataset Dictionary

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1. OVERVIEW

The LONGLABV1V10_np_yymmdd dataset contains 72,002 records, one for each participant who gave consent and completed a lab at visit 1-10, excluding visit 8. The purpose of this dataset is to provide ARIC collaborators with a comprehensive lab dataset for ARIC participants across these visits.

LONGLABV1V10_np_yymmdd is longitudinal by visit and wide by lab test type. For each lab test, there exists six variables: Value (numeric lab value), Method (instrument used to collect data), Follow up days from Collection Date, Year of Collection Date, Follow up days from Result Date, and Year of Result Date. The naming notation of these variables is the shorthand of the lab test (see table below) followed by the relevant variable prefix: value, method, collection date, or result date. The dates in the LONGLABV1V10_np dataset are recalculated as the number of follow-up days from enrollment; these variables have the suffix, 'FollowUpDays.' The dataset contains multiple records per participant ID by visit. Most of the lab values are the lab reported values. Additional derived variables have been added to the dataset. The derived lab values method description is defined as "Calculated Value." Additional information such as units of measurement and biospecimen type can be found in the labels of these 'value' variables. Each record provides fasting information collected and calculated from the lab form (Fast08, Fast12, and Fasting_Time). Additional notes: 1) future versions of the LONGLAB dataset will round the fasting times, and 2) " " notation in the dictionary entries indicate the information is not available or missing.

LONGLABV1V10_np_yymmdd was created by merging ARIC participants' respective lab datasets together and compiling them by visit. Some ARIC participants may be missing lab values at certain visits or have missing values within existing visits either due to lack of lab data in the source dataset or discrepancies in lab test types collected between visits. Once the lab datasets were compiled, consent was applied to remove visit-specific records where the participant indicated "No Consent" for lab data use. Participants who recorded "ARIC Only Consent" or any other consent type were included in this dataset.

Comprehensive Lab Analytes in LONGLABV1V10

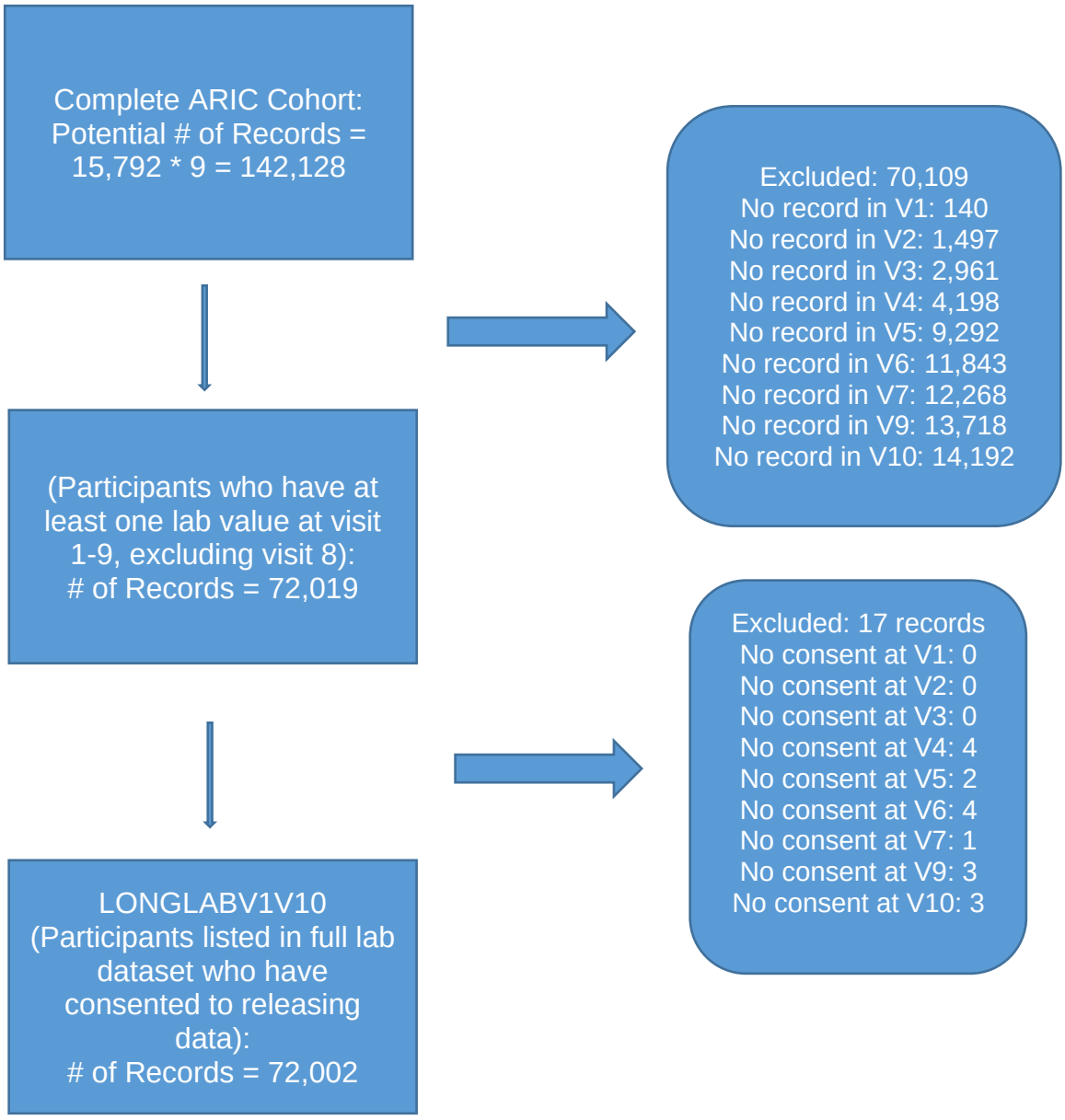
Analyte Shorthand	Analyte Name	Units	Biospecimen Source
1_5_AG	1,5-anhydroglucitol	ug/mL	Serum
AAlb	Glycated Albumin	umol/L	Serum
ACR	Albumin/Creatinine Ratio	mg/g	Urine
Alb	Serum Albumin	g/dL	Serum
Alb_Ur	Urine Albumin	mg/L	Urine
ALT	Alanine transferase	U/L	Serum
AST	Aspartate transaminase	U/L	Serum
B2M	Beta-2 Microglobulin	mg/L	Serum
Ca	Calcium	Mg/dL	Serum
Chl	Chlorine	Mmol/L	Serum
Cr_Ur	Urine Creatinine	mg/dL	Urine

CysC	Cystatin C	mg/L	Serum
EGFR2	Estimated Glomerular Filtration Rate	Ml/Min/1.73m2	Serum Derived by Ckd-Epi Creatinine-Cystatin Equation 2021
EGFR3	Estimated Glomerular Filtration Rate	Ml/Min/1.73m2	Serum Derived by Ckd-Epi Creatinine Equation 2021
EGFRCR1	Estimated Glomerular Filtration Rate	Ml/Min/1.73m2	Serum Derived by Ckd-Epi Creatinine 2009
EGFRCYSC1	Estimated Glomerular Filtration Rate	Ml/Min/1.73m2	Serum Derived by Ckd-Epi Cystatin Equation 2012
FRU	Fructosamine	µmol/L	Serum
GA	Glycated Albumin	g/dL	Serum
GA_percent	Glycated Albumin Percentage	%	Serum
GGT	G-glutamyl transferase	U/L	Serum
Glu	Glucose	mg/dL	Serum
GLUSIU1	Glucose	SI Units	Serum
HbA1c	Hemoglobin A1C	%	Whole Blood
HDL	High Density Lipoprotein Cholesterol	mg/dL	Plasma
HDLSIU1	High Density Lipoprotein Cholesterol	SI Units	Plasma
HGB	Hemoglobin	g/dL	Whole Blood
HLD1	Hyperlipidemia version 1 (LDL>130)	Binary	Plasma
HLD2	Hyperlipidemia version 2 (LDL>100)	Binary	Plasma
hs_CRP	High Sensitive C-Reactive Protein	mg/L	Plasma
HS_TNL	High Sensitive Troponin - L	Ng/L	Plasma
K	Potassium	mmol/L	Serum
LDL	Low Density Lipoprotein Cholesterol	mg/dL	Plasma
LDL1	Low Density Lipoprotein Cholesterol Recalibrated	mg/dL	Plasma
LDLSIU1	Low Density Lipoprotein Cholesterol	SI Units	Plasma

Mg	Magnesium	mg/dL	Serum
Na	Sodium	Mmol/L	Serum
non_HDL	Non High-Density Lipoprotein Cholesterol	mg/dL	Plasma
Phos	Phosphorus	Mmol/L	Plasma
ProBNP	Natriuretic Peptide Tests	pg/mL	Plasma
sCr	Creatinine	mg/dL	Serum
TC	Total Cholesterol	mg/dL	Plasma
TCHSIU1	Total Cholesterol	SI Units	Plasma
TG	Triglycerides	mg/dL	Plasma
TGLEFH1	Triglycerides less than or equal to 400 mg/dL	Binary	Plasma
TRGSIU1	Triglycerides	SI Units	Plasma
TSH	Thyroid Stimulating Hormone	mIU/L	Plasma
TROP	HS Troponin	mcg/L	Plasma
UR	Uric Acid	mg/dL	Serum

Consort Diagram Accounting for Number of Records in Long Dataset

NOTE: THERE IS A MAXIMUM OF 9 VISITS PER SUBJECT. CONSENT AFFECTS RECORDS ON THE VISIT LEVEL AND EXCLUSION OF ONE VISIT MAY NOT EXCLUDE ALL VISITS FOR A GIVEN SUBJECT.



2. ADMINISTRATIVE AND FASTING INFORMATION

2.1 SUBJECTID (ARIC Subject ID (CIR))

Description: The historical participant identifier from visits 1-4 is ID. The value of ID is the same value as SUBJECTID. Use ID when merging visit 7/NCS stage 1 data with datasets from previous visits necessary for longitudinal analyses.

Type: Character; length: $7.

Manual Description: ID=SUBJECTID

Source variable(s): SUBJECTID

2.2 Visit (Visit)

Description: Denotes which visit the analytes/derived variables were collected at.

Type: Character; length: $3.

2.3 Fasting_Time (Fasting Time)

Description: Numeric variable that denotes the amount of time in hours

Type: Numeric

Algorithm:

```
If visit = 6, 7, 9, or 10-
EAT_TIME=BIO6;
DRAW_TIME=BIO7;

If visit = 5-
EAT_TIME = BIO7a
DRAW_TIME = BIO8a

if missing(EAT_TIME) or missing(DRAW_TIME) then
        FASTING_TIME=.;
else if EAT_TIME=DRAW_TIME then FASTING_TIME=0;
else if DRAW_TIME > EAT_TIME then
        FASTING_TIME=((DRAW_TIME/3600)-EAT_TIME/3600);
else if DRAW_TIME < EAT_TIME then
        FASTING_TIME=((DRAW_TIME/3600+24)-EAT_TIME/3600);

For visit 4:
= FTRD5
For visit 3:
= FTRC5
```

For visit 2:
= FTRB5
For visit 1:
= FTRA03

Source variable(s): [Visit 10] BIO6 from BIO DATASET, BIO7 from BIO DATASET
[Visit 9] BIO6 from BIO DATASET, BIO7 from BIO DATASET
[Visit 7] BIO6 from BIO DATASET, BIO7 from BIO DATASET
[Visit 6] BIO6 from BIO DATASET, BIO7 from BIO DATASET
[Visit 5] BIO7a from BIO DATASET, BIO8a from BIO DATASET
[Visit 4] FTRD5 from FTRD04 DATASET
[Visit 3] FTRC5 from FTRC04_02 DATASET
[Visit 2] FTRB5 from FTRB DATASET
[Visit 1] FTRA03 from FTRA02 DATASET

2.4 Fast08 (Fasted more than 8 hours)

Description: Binary variable that denotes whether or not the participant fasted for more than 8 hours

Type: Binary

Algorithm: If fasting_time = missing, then FAST08=.;
Else if .z<fasting_time<8 hours then FAST08=0;
Else FAST08=1

Source variable(s): Fasting_Time from LONGLABV1V10

2.5 Fast12 (Faster more than 12 hours)

Description: Binary variable that denotes whether or not the participant fasted for more than 8 hours

Type: Binary

Algorithm: If fasting_time = missing, then FAST12= .;
Else if .z<fasting_time<12 hours then FAST12=0;
Else FAST12=1

Source variable(s): Fasting_Time from LONGLABV1V10

3. ANALYTES

3.1 1,5-ANHYDROGLUCITOL

3.1a Value_1_5_AG (1,5-anhydroglucitol Value (ug/mL, Serum))

Description: Numeric variable that denotes the 1,5-anhydroglucitol lab value

Type: Numeric

Manual Description: [Visit 10] CHEM11 from CHEM3 DATASET
[Visit 9] CHEM11 from CHEM3 DATASET
[Visit 7] CHEM11 from CHEM2 DATASET
[Visit 6] CHEM11 from CHEM2 DATASET
[Visit 4] V4AG from uc7173_as2009_16_p DATASET

3.1b Method_1_5_AG (1,5-anhydroglucitol Method)

Description: Character variable that denotes the method or machine used to derive the 1,5 anhydroglucitol lab value

Type: Character

Manual Description: [Visit 10] “Roche Cobas 8000”
[Visit 9] “Roche Cobas 8000”
[Visit 7] “Roche Cobas 6000”
[Visit 6] “Roche Cobas 6000”
[Visit 4] “Roche Cobas-Bio”

3.1c Collect_Date_1_5_AG_FollowUpDays (Days of follow up from visit 1 to 1,5-anhydroglucitol Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to 1,5-anhydroglucitol Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM11B from CHEM3 DATASET
[Visit 9] CHEM11B from CHEM3 DATASET
[Visit 7] CHEM11B from CHEM2 DATASET
[Visit 6] CHEM11B from CHEM2 DATASET
[Visit 4] FTRD1 from FTRD DATASET

3.1d Collect_Date_1_5_AG_year (Year of 1,5-anhydroglucitol Collection Date)

Description: Numeric variable that denotes the year of 1,5-anhydroglucitol Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM11B from CHEM3 DATASET
[Visit 9] CHEM11B from CHEM3 DATASET
[Visit 7] CHEM11B from CHEM2 DATASET
[Visit 6] CHEM11B from CHEM2 DATASET
[Visit 4] FTRD1 from FTRD DATASET

3.1e Result_Date_1_5_AG_FollowUpDays (Days of follow up from visit 1 to 1,5-anhydroglucitol Result Date)

Description: Numeric variable that denotes days of follow up from visit 1 to 1,5-anhydroglucitol Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM11D from CHEM3 DATASET
[Visit 9] CHEM11D from CHEM3 DATASET
[Visit 7] CHEM11D from CHEM2 DATASET
[Visit 6] CHEM11D from CHEM2 DATASET
[Visit 4] ASSAYDATE from uc7173_as2009_16_p DATASET

3.1f Result_Date_1_5_AG_Year (Year of 1,5-anhydroglucitol Result Date)

Description: Numeric variable that denotes the year of 1,5-anhydroglucitol Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM11D from CHEM3 DATASET
[Visit 9] CHEM11D from CHEM3 DATASET
[Visit 7] CHEM11D from CHEM2 DATASET
[Visit 6] CHEM11D from CHEM2 DATASET
[Visit 4] ASSAYDATE from uc7173_as2009_16_p DATASET

3.2 Glycated Albumin

3.2a Value_AAlb (Albumin Value (for glycated albumin) (umol/L, Serum))

Description: Numeric variable that denotes the glycated albumin lab value. Values at visit 9 set to NULL due to changed units from V6/V7.

Type: Numeric

Manual Description: [Visit 10] CHEM10 from CHEM3 DATASET
[Visit 9] CHEM10 from CHEM3 DATASET
[Visit 7] CHEM10 from CHEM2 DATASET
[Visit 6] CHEM10 from CHEM2 DATASET

[Visit 5] V5SALB from uc7991_v5data_as2009_16 DATASET
[Visit 4] V4SALB from uc7173_as2009_16_p DATASET

3.2b Method_AAlb (Albumin AAlb (for glycated albumin))

Description: Character variable that denotes the method or machine used to derive the glycated albumin lab value

Type: Character

Manual Description: [Visit 10] “Roche Cobas 8000”
[Visit 9] “Roche Cobas 8000”
[Visit 7] “Roche Cobas 6000”
[Visit 6] “Roche Cobas 6000”
[Visit 5] “Roche Cobas e411”
[Visit 4] “ “

3.2c Collect_Date_AAlb_FollowUpDays (Days of follow up from visit 1 to Albumin Collection Date)

Description: Numeric variable that denotes days of follow up from visit 1 to Albumin Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM10B from CHEM3 DATASET
[Visit 9] CHEM10B from CHEM3 DATASET
[Visit 7] CHEM10B from CHEM2 DATASET
[Visit 6] CHEM10B from CHEM2 DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD DATASET

3.2d Collect_Date_AAlb_Year (Year of Albumin Collection Date)

Description: Numeric variable that denotes the year of Albumin Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM10B from CHEM3 DATASET
[Visit 9] CHEM10B from CHEM3 DATASET
[Visit 7] CHEM10B from CHEM2 DATASET
[Visit 6] CHEM10B from CHEM2 DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD DATASET

3.2e Result_Date_AAlb_FollowUpDays (Days of follow up from visit 1 to Albumin Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Albumin Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM10D from CHEM3 DATASET
[Visit 9] CHEM10D from CHEM3 DATASET
[Visit 7] CHEM10D from CHEM2 DATASET
[Visit 6] CHEM10D from CHEM2 DATASET
[Visit 5] " "
[Visit 4] ASSAYDATE from uc7173_as2009_16_p DATASET

3.2f Result_Date_AAlb_Year (Year of Albumin Result Date)

Description: Numeric variable that denotes the year of Albumin Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM10D from CHEM3 DATASET
[Visit 9] CHEM10D from CHEM3 DATASET
[Visit 7] CHEM10D from CHEM2 DATASET
[Visit 6] CHEM10D from CHEM2 DATASET
[Visit 5] " "
[Visit 4] ASSAYDATE from uc7173_as2009_16_p DATASET

3.3 Albumin/Creatinine Ratio

3.3a Value_ACR (Albumin/Creatinine Ratio (mg/g, Urine))

Description: Numeric variable that denotes the albumin/creatinine ratio lab value

Type: Numeric

Manual Description: [Visit 10] CHEM2 from CHEM3 DATASET
[Visit 9] CHEM2 from CHEM3 DATASET
[Visit 7] CHEM2 from CHEM2 DATASET
[Visit 6] CHEM2 from CHEM2 DATASET

3.3b Method_ACR (Albumin/Creatinine Ratio Method)

Description: Character variable that denotes the method or machine used to derive the albumin/creatinine ratio lab value

Type: Character

Manual Description: = “Calculated Value”

3.3c Collect_Date_ACR_FollowUpDays (Days of follow up from visit 1 to Albumin/Creatinine Ratio Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Albumin/Creatinine Ratio Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM2B from CHEM3 DATASET
[Visit 9] CHEM2B from CHEM3 DATASET
[Visit 7] CHEM2B from CHEM2 DATASET
[Visit 6] CHEM2B from CHEM2 DATASET

3.3d Collect_Date_ACR_Year (Year of Albumin/Creatinine Ratio Collection Date)

Description: Numeric variable that denotes the ear of Albumin/Creatinine Ratio Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM2B from CHEM3 DATASET
[Visit 9] CHEM2B from CHEM3 DATASET
[Visit 7] CHEM2B from CHEM2 DATASET
[Visit 6] CHEM2B from CHEM2 DATASET

3.3e Result_Date_ACR_FollowUpDays (Days of follow up from visit 1 to Albumin/Creatinine Ratio Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Albumin/Creatinine Ratio Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM2D from CHEM3 DATASET
[Visit 9] CHEM2D from CHEM3 DATASET
[Visit 7] CHEM2D from CHEM2 DATASET
[Visit 6] CHEM2D from CHEM2 DATASET

3.3f Result_Date_ACR_Year (Year of Albumin/Creatinine Ratio Result Date)

Description: Numeric variable that denotes the year of Albumin/Creatinine Ratio Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM2D from CHEM3 DATASET
[Visit 9] CHEM2D from CHEM3 DATASET
[Visit 7] CHEM2D from CHEM2 DATASET
[Visit 6] CHEM2D from CHEM2 DATASET

3.4 Serum Albumin

3.4a Value_Alb (Serum Albumin Value (g/dL, Serum))

Description: Numeric variable that denotes the serum albumin lab value

Type: Numeric

Manual Description: [Visit 10] CHEM29 from CHEM3 DATASET
[Visit 9] CHEM29 from CHEM3 DATASET
[Visit 7] Not Collected
[Visit 6] Not Collected

3.4b Method_Alb (Serum Albumin Method)

Description: Character variable that denotes the method or machine used to derive The serum albumin lab value

Type: Character

Manual Description: [Visit 10] “Roche Cobas 8000”
[Visit 9] “Roche Cobas 8000”
[Visit 7] Not Collected
[Visit 6] Not Collected

3.4c Collect_Date_Alb_FollowUpDays (Days of follow up from visit 1 to Serum Albumin Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Serum Albumin Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM29B from CHEM3 DATASET
[Visit 9] CHEM29B from CHEM3 DATASET
[Visit 7] Not Collected
[Visit 6] Not Collected

3.4d Collect_Date_Alb_Year (Year of Serum Albumin Collection Date)

Description: Numeric variable that denotes the year of Serum Albumin Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM29B from CHEM3 DATASET
[Visit 9] CHEM29B from CHEM3 DATASET
[Visit 7] Not Collected
[Visit 6] Not Collected

3.4e Result_Date_Alb_FollowUpDays (Days of follow up from visit 1 to Serum Albumin Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Serum Albumin Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM29D from CHEM3 DATASET
[Visit 9] CHEM29D from CHEM3 DATASET
[Visit 7] Not Collected
[Visit 6] Not Collected

3.4f Result_Date_Alb_Year (Year of Serum Albumin Result Date)

Description: Numeric variable that denotes the year of Serum Albumin Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM29D from CHEM3 DATASET
[Visit 9] CHEM29D from CHEM3 DATASET
[Visit 7] Not Collected
[Visit 6] Not Collected

3.5 Urine Albumin

3.5a Value_Alb_Ur (Albumin Value (mg/L, Urine))

Description: Numeric variable that denotes the urine albumin lab value

Type: Numeric

Manual Description: [Visit 10] CHEM3 from CHEM3 DATASET
[Visit 9] CHEM3 from CHEM3 DATASET

[Visit 7] CHEM3 from CHEM2 DATASET
[Visit 6] CHEM3 from CHEM2 DATASET

3.5b Method_Alb_Ur (Albumin Method)

Description: Character variable that denotes the method or machine used to derive the urine albumin lab value

Type: Character

Manual Description: [Visit 10] “Roche Cobas 8000”
[Visit 9] “Roche Cobas 8000”
[Visit 7] “Roche Cobas 6000”
[Visit 6] “Roche Cobas 6000”

3.5c Collect_Date_Alb_Ur_FollowUpDays (Days of follow up from visit 1 to Albumin Urine Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Albumin Urine Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM3B from CHEM3 DATASET
[Visit 9] CHEM3B from CHEM3 DATASET
[Visit 7] CHEM3B from CHEM2 DATASET
[Visit 6] CHEM3B from CHEM2 DATASET

3.5d Collect_Date_Alb_Ur_Year (Year of Albumin Urine Collection Date)

Description: Numeric variable that denotes the year of Albumin Urine Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM3B from CHEM3 DATASET
[Visit 9] CHEM3B from CHEM3 DATASET
[Visit 7] CHEM3B from CHEM2 DATASET
[Visit 6] CHEM3B from CHEM2 DATASET

3.5e Result_Date_Alb_Ur_FollowUpDays (Days of follow up from visit 1 to Albumin Urine Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Albumin Urine Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM3D from CHEM3 DATASET
[Visit 9] CHEM3D from CHEM3 DATASET
[Visit 7] CHEM3D from CHEM2 DATASET
[Visit 6] CHEM3D from CHEM2 DATASET

3.5f Result_Date_Alb_Ur_Year (Year of Albumin Urine Result Date)

Description: Numeric variable that denotes the year of Albumin Urine Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM3D from CHEM3 DATASET
[Visit 9] CHEM3D from CHEM3 DATASET
[Visit 7] CHEM3D from CHEM2 DATASET
[Visit 6] CHEM3D from CHEM2 DATASET

3.6 Alanine Transferase

3.6a Value_ALT (Alanine transferase Value (U/L, Serum))

Description: Numeric variable that denotes the alanine transferase lab value

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM17 from CHEM2 DATASET
[Visit 6] CHEM17 from CHEM2 DATASET
[Visit 4] ALT_V4 from V1_V5_Analytes DATASET

3.6b Method_ALT (Alanine transferase Method)

Description: Character variable that denotes the method or machine used to derive the alanine transferase lab value

Type: Character

Manual Description: = " "

3.6c Collect_Date_ALT_FollowUpDays (Days of follow up from visit 1 to Alanine transferase Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Alanine transferase Collection Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM17B from CHEM2 DATASET
[Visit 6] CHEM17B from CHEM2 DATASET
[Visit 4] FTRD1 from FTRD04_02 DATASET

3.6d Collect_Date_ALT_Year (Year of Alanine transferase Collection Date)

Description: Numeric variable that denotes the year of Alanine transferase Collection Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM17B from CHEM2 DATASET
[Visit 6] CHEM17B from CHEM2 DATASET
[Visit 4] FTRD1 from FTRD04_02

3.6e Result_Date_ALT_FollowUpDays (Days of follow up from visit 1 to Alanine transferase Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Alanine transferase Result Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM17D from CHEM2 DATASET
[Visit 6] CHEM17D from CHEM2 DATASET
[Visit 4] LIPD9 from LIPD04 Dataset

3.6f Result_Date_ALT_Year (Year of Alanine transferase Result Date)

Description: Numeric variable that denotes the year of Alanine transferase Result Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM17D from CHEM2 DATASET
[Visit 6] CHEM17D from CHEM2 DATASET
[Visit 4] LIPD9 from LIPD04 Dataset

3.7 Aspartate Transaminase

3.7a Value_AST (Aspartate transaminase Value (U/L, Serum))

Description: Numeric variable that denotes the aspartate transaminase lab value

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM16 from CHEM2 DATASET
[Visit 6] CHEM16 from CHEM2 DATASET
[Visit 4] AST_V4 from V1_V5_Analytes DATASET

3.7b Method_AST (Aspartate transaminase Method)

Description: Character variable that denotes the method or machine used to derive the aspartate transaminase lab value

Type: Character

Manual Description: = “ “

3.7c Collect_Date_AST_FollowUpDays (Days of follow up from visit 1 to Aspartate transaminase Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Aspartate transaminase Collection Date

Type: Numeric

Manual Description: [Visit 10] Not Collected

[Visit 9] Not Collected
[Visit 7] CHEM16B from CHEM2 DATASET
[Visit 6] CHEM16B from CHEM2 DATASET
[Visit 4] FTRD1 from FTRD04_02 DATASET

3.7d Collect_Date_AST_Year (Year of Aspartate transaminase Collection Date)

Description: Numeric variable that denotes the year of Aspartate transaminase Collection Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM16B from CHEM2 DATASET
[Visit 6] CHEM16B from CHEM2 DATASET
[Visit 4] FTRD1 from FTRD04_02 DATASET

3.7e Result_Date_AST_FollowUpDays (Days of follow up from visit 1 to Aspartate transaminase Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Aspartate transaminase Result Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM16D from CHEM2 DATASET
[Visit 6] CHEM16D from CHEM2 DATASET
[Visit 4] LIPD9 from LIPD04 Dataset

3.7f Result_Date_AST_Year (Year of Aspartate transaminase Result Date)

Description: Numeric variable that denotes the year of Aspartate transaminase Result Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM16D from CHEM2 DATASET
[Visit 6] CHEM16D from CHEM2 DATASET
[Visit 4] LIPD9 from LIPD04 Dataset

3.8 Beta-2 Microglobulin

3.8a Value_B2M (Beta-2 Microglobulin Value (mg/L, Serum))

Description: Numeric variable that denotes the beta-2 microglobulin lab value

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM13 from CHEM2 DATASET
[Visit 6] CHEM13 from CHEM2 DATASET

3.8b Method_B2M (Beta-2 Microglobulin Method)

Description: Character variable that denotes the method or machine used to derive the beta-2 microlobulin lab value

Type: Character

Manual Description: = " "

3.8c Collect_Date_B2M_FollowUpDays (Days of follow up from visit 1 to Beta-2 Microglobulin Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Beta-2 Microglobulin Collection Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM13B from CHEM2 DATASET
[Visit 6] CHEM13B from CHEM2 DATASET

3.8d Collect_Date_B2M_Year (Year of Beta-2 Microglobulin Collection Date)

Description: Numeric variable that denotes the year of Beta-2 Microglobulin Collection Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM13B from CHEM2 DATASET
[Visit 6] CHEM13B from CHEM2 DATASET

3.8e Result_Date_B2M_FollowUpDays (Days of follow up from visit 1 to Beta-2 Microglobulin Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Beta-2 Microglobulin Result Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM13D from CHEM2 DATASET
[Visit 6] CHEM13D from CHEM2 DATASET

3.8f Result_Date_B2M_Year (Year of Beta-2 Microglobulin Result Date)

Description: Numeric variable that denotes the year of Beta-2 Microglobulin Result Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM13D from CHEM2 DATASET
[Visit 6] CHEM13D from CHEM2 DATASET

3.9 Calcium

3.9a Value_Ca (Calcium (mg/dL, Serum))

Description: Numeric variable that denotes the Calcium lab value

Type: Numeric

Manual Description: [Visit 5] Calcium from uc7236_v5_electrolytes_p DATASET

3.9b Method_Ca (Calcium Method)

Description: Character variable that denotes the method or machine used to derive the Calcium lab value

Type: Character

Manual Description: = [Visit 5] “Roche Cobas e411”

3.9c Collect_Date_Ca_FollowUpDays (Days of follow up from visit 1 to Calcium Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Calcium Collection Date

Type: Numeric

Manual Description: [Visit 5] BIO0a from BIO DATASET

3.9d Collect_Date_Ca_Year (Year of Calcium Collection Date)

Description: Numeric variable that denotes the year of Calcium Collection Date

Type: Numeric

Manual Description: [Visit 5] BIO0a from BIO DATASET

3.9e Result_Date_Ca_FollowUpDays (Days of follow up from visit 1 to Calcium Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Calcium Result Date

Type: Numeric

Manual Description: [Visit 5] ASSAY_DATE from uc7236_v5_electrolytes_p DATASET

3.9f Result_Date_Ca_Year (Year of Calcium Result Date)

Description: Numeric variable that denotes the year of Calcium Result Date

Type: Numeric

Manual Description: [Visit 5] ASSAY_DATE from uc7236_v5_electrolytes_p DATASET

3.10 Chloride

3.10a Value_Chl (Chloride (mmol/dL, Serum))

Description: Numeric variable that denotes the Chloride lab value

Type: Numeric

Manual Description: [Visit 5] Chloride from uc7236_v5_electrolytes_p DATASET

3.10b Method_Chl (Chloride Method)

Description: Character variable that denotes the method or machine used to derive the Chloride lab value

Type: Character

Manual Description: = [Visit 5] “Roche Cobas e411”

3.10c Collect_Date_Chl_FollowUpDays (Days of follow up from visit 1 to Chloride Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Chloride Collection Date

Type: Numeric

Manual Description: [Visit 5] BIO0a from BIO DATASET

3.10d Collect_Date_Chl_Year (Year of Chloride Collection Date)

Description: Numeric variable that denotes the year of Chloride Collection Date

Type: Numeric

Manual Description: [Visit 5] BIO0a from BIO DATASET

3.10e Result_Date_Chl_FollowUpDays (Days of follow up from visit 1 to Chloride Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Chloride Result Date

Type: Numeric

Manual Description: [Visit 5] ASSAY_DATE from uc7236_v5_electrolytes_p DATASET

3.10f Result_Date_Chl_Year (Year of Chloride Result Date)

Description: Numeric variable that denotes the year of Chloride Result Date

Type: Numeric

Manual Description: [Visit 5] ASSAY_DATE from uc7236_v5_electrolytes_p DATASET

3.11 Urine Creatinine

3.11a Value_Cr_Ur (Creatinine Value (mg/dL, Urine))

Description: Numeric variable that denotes the urine creatinine lab value

Type: Numeric

Manual Description: [Visit 10] CHEM4 from CHEM3 DATASET
[Visit 9] CHEM4 from CHEM3 DATASET
[Visit 7] CHEM4 from CHEM2 DATASET
[Visit 6] CHEM4 from CHEM2 DATASET

3.11b Method_Cr_Ur (Creatinine Method)

Description: Character variable that denotes the method or machine used to derive the creatinine lab value

Type: Character

Manual Description: [Visit 10] “Roche Cobas 8000”
[Visit 9] “Roche Cobas 8000”
[Visit 7] “Roche Cobas 6000”
[Visit 6] “Roche Cobas 6000”

3.11c Collect_Date_Cr_Ur_FollowUpDays (Days of follow up from visit 1 to Creatinine Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Creatinine Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM4B from CHEM3 DATASET
[Visit 9] CHEM4B from CHEM3 DATASET
[Visit 7] CHEM4B from CHEM2 DATASET
[Visit 6] CHEM4B from CHEM2 DATASET

3.11d Collect_Date_Cr_Ur_Year (Year of Creatinine Collection Date)

Description: Numeric variable that denotes the year of Creatinine Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM4B from CHEM3 DATASET
[Visit 9] CHEM4B from CHEM3 DATASET
[Visit 7] CHEM4B from CHEM2 DATASET
[Visit 6] CHEM4B from CHEM2 DATASET

3.11e Result_Date_Cr_Ur_FollowUpDays (Days of follow up from visit 1 to Creatinine Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Creatinine Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM4D from CHEM3 DATASET
[Visit 9] CHEM4D from CHEM3 DATASET
[Visit 7] CHEM4D from CHEM2 DATASET
[Visit 6] CHEM4D from CHEM2 DATASET

3.11f Result_Date_Cr_Ur_Year (Year of Creatinine Result Date)

Description: Numeric variable that denotes the year of Creatinine Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM4D from CHEM3 DATASET
[Visit 9] CHEM4D from CHEM3 DATASET
[Visit 7] CHEM4D from CHEM2 DATASET
[Visit 6] CHEM4D from CHEM2 DATASET

3.12 Cystatin C

3.12a Value_CysC (Cystatin C Value (mg/L, Serum))

Description: Numeric variable that denotes the cystatin C lab value

Type: Numeric

Manual Description: [Visit 10] CHEM12 from CHEM3 DATASET
[Visit 9] CHEM12 from CHEM3 DATASET
[Visit 7] CHEM12 from CHEM2 DATASET
[Visit 6] CHEM12 from CHEM2 DATASET
[Visit 5] CYSC3 from CYSC DATASET
[Visit 4] CYSC_V4 from V1_V5_Analytes DATASET
[Visit 2] CYSC_V2 from V1_V5_Analytes DATASET

3.12b Method_CysC (Cystatin C Method)

Description: Character variable that denotes the method or machine used to derive the cystatin C lab value

Type: Character

Manual Description: [Visit 10] “Roche Cobas 8000”
[Visit 9] “Roche Cobas 8000”
[Visit 7] “Roche Cobas 6000”

[Visit 6] “Roche Cobas 6000”
[Visit 5] “Roche Cobas e411”
[Visit 4] “ “
[Visit 2] “Roche Cobas-Bio”

3.12c Collect_Date_CysC_FollowUpDays (Days of follow up from visit 1 to Cystatin-C Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Cystatin-C Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM12B from CHEM3 DATASET
[Visit 9] CHEM12B from CHEM3 DATASET
[Visit 7] CHEM12B from CHEM2 DATASET
[Visit 6] CHEM12B from CHEM2 DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.12d Collect_Date_CysC_Year (Year of Cystatin-C Collection Date)

Description: Numeric variable that denotes the year of Cystatin-C Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM12B from CHEM3 DATASET
[Visit 9] CHEM12B from CHEM3 DATASET
[Visit 7] CHEM12B from CHEM2 DATASET
[Visit 6] CHEM12B from CHEM2 DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.12e Result_Date_CysC_FollowUpDays (Days of follow up from visit 1 to Cystatin-C Result Date)

Description: Numeric variable that denotes the Days of follow up from visit 1 to Cystatin-C Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM12D from CHEM3 DATASET
[Visit 9] CHEM12D from CHEM3 DATASET
[Visit 7] CHEM12D from CHEM2 DATASET

[Visit 6] CHEM12D from CHEM2 DATASET
[Visit 5] CYSC2 from CYSC DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 2] LIPB07 from LIPB DATASET

3.12f Result_Date_CysC_Year (Year of Cystatin-C Result Date)

Description: Numeric variable that denotes the year of Cystatin-C Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM12D from CHEM3 DATASET
[Visit 9] CHEM12D from CHEM3 DATASET
[Visit 7] CHEM12D from CHEM2 DATASET
[Visit 6] CHEM12D from CHEM2 DATASET
[Visit 5] CYSC2 from CYSC DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 2] LIPB07 from LIPB DATASET

3.13 Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine-Cystatin Equation 2021)

3.13a Value_EGFR2 (Estimated Glomerular Filtration Rate Value (Ml/Min/1.73m2, Ckd-Epi Creatinine-Cystatin Equation 2021))

Description: Numeric variable that denotes the estimated glomerular filtration rate from the Ckd-Epi Creatinine-Cystatin Equation (2021)

Type: Numeric

Algorithm:

```
if ^missing(value_sCr) and ^missing(value_cysc) then do;
        if GENDER = 'M' then
        Value_EGFR2 = round((135 * min(value_sCr/0.9,1)**(-
        0.144) * max(value_sCr/0.9,1)**(-0.544) *
        min(value_cysc/0.8,1)**(-0.323) *
        max(value_cysc/0.8,1)**(-0.778) *
        0.9961**(V&v.AGE&v.1)), 1);
 else if GENDER = 'F' then
        Value_EGFR2 = round((135 * min(value_sCr/0.7,1)**(-
        0.219) * max(VALUE_SCR/0.7,1)**(-0.544) *
        min(VALUE_CYSC/0.8,1)**(-0.323) *
        max(VALUE_CYSC/0.8,1)**(-0.778) *
        0.9961**(V&v.AGE&v.1) * 0.963), 1);
```

Source variable(s): See Value_sCr and Value_cysc

3.13b Method_EGFR2 (Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine-Cystatin Equation 2021) Method)

Description: Character variable that denotes the method or machine used to derive the estimated glomerular filtration rate lab value

Type: Character

Manual Description: = “Calculated Value”

3.13c Collect_Date_EGFR2_FollowUpDays (Days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine-Cystatin Equation 2021) Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine-Cystatin Equation 2021) Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.13d Collect_Date_EGFR2_Year (Year of Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine-Cystatin Equation 2021) Collection Date)

Description: Numeric variable that denotes the year of Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine-Cystatin Equation 2021) Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.13e Result_Date_EGFR2_FollowUpDays (Days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine-Cystatin Equation 2021) Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine-Cystatin Equation 2021) Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM6D from CHEM3 DATASET
[Visit 9] CHEM6D from CHEM3 DATASET
[Visit 7] CHEM6D from CHEM2 DATASET
[Visit 6] CHEM6D from CHEM2 DATASET
[Visit 5] CYSC2 from CYSC DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 2] LIPB07 from LIPB DATASET

3.13f Result_Date_EGFR2_Year (Year of Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine-Cystatin Equation 2021) Result Date)

Description: Numeric variable that denotes the year of Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine-Cystatin Equation 2021) Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM6D from CHEM3 DATASET
[Visit 9] CHEM6D from CHEM3 DATASET
[Visit 7] CHEM6D from CHEM2 DATASET
[Visit 6] CHEM6D from CHEM2 DATASET
[Visit 5] CYSC2 from CYSC DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 2] LIPB07 from LIPB DATASET

3.14 Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine Equation 2021)

3.14a Value_EGFR3 (Estimated Glomerular Filtration Rate Value (Ml/Min/1.73m2, Ckd-Epi Creatinine Equation 2021))

Description: Numeric variable that denotes the estimated glomerular filtration rate from the Ckd-Epi Creatinine Equation (2021)

Type: Numeric

Algorithm: if ^missing(value_sCr) then do;
if GENDER = 'M' then EGFR&v.2= round((142 *

```
    min(value_sCr/0.9,1)**(-0.302) * max(value_sCr/0.9,1)**(-1.2) *
    0.9938**(V&v.AGE&v.1)), 1);
else if GENDER = 'F' then EGFR&v.2 = round((142 *
    min(value_sCr/0.7,1)**(-0.241) * max(VALUE_SCR/0.7,1)**(-1.2) *
    0.9938**(V&v.AGE&v.1) * 1.012), 1);
end;
```

Source variable(s): See Value_sCr and Value_cysc

3.14b Method_EGFR3 (Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine Equation 2021) Method)

Description: Character variable that denotes the method or machine used to derive the estimated glomerular filtration rate lab value

Type: Character

Manual Description: = “Calculated Value”

3.14c Collect_Date_EGFR3_FollowUpDays (Days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine Equation 2021) Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine Equation 2021) Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.14d Collect_Date_EGFR3_Year (Year of Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine Equation 2021) Collection Date)

Description: Numeric variable that denotes the year of Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine Equation 2021) Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET

[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.14e Result_Date_EGFR3_FollowUpDays (Days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine Equation 2021) Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine Equation 2021) Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM6D from CHEM3 DATASET
[Visit 9] CHEM6D from CHEM3 DATASET
[Visit 7] CHEM6D from CHEM2 DATASET
[Visit 6] CHEM6D from CHEM2 DATASET
[Visit 5] CYSC2 from CYSC DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 2] LIPB07 from LIPB DATASET

3.14f Result_Date_EGFR3_Year (Year of Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine Equation 2021) Result Date)

Description: Numeric variable that denotes the year of Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine Equation 2021) Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM6D from CHEM3 DATASET
[Visit 9] CHEM6D from CHEM3 DATASET
[Visit 7] CHEM6D from CHEM2 DATASET
[Visit 6] CHEM6D from CHEM2 DATASET
[Visit 5] CYSC2 from CYSC DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 2] LIPB07 from LIPB DATASET

3.15 Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine 2009)

3.15a Value_EGFRCR1 (Estimated Glomerular Filtration Rate Value (Ml/Min/1.73m2, Ckd-Epi Creatinine 2009))

Description: Numeric variable that denotes the estimated glomerular filtration rate from the Ckd-Epi Creatinine Equation (2009)

Type: Numeric

Algorithm: If VALUE_SCR>. Then do:

IF GENDER=”M” AND RACEGRP=”A, I, or W”
Value_EGFRCR1 = 141 * min(VALUE_SCR/0.9,1)**(-0.411) * max(VALUE_SCR/0.9,1)**(-1.209) * 0.993**V&v.AGE&v.1

ELSE IF GENDER=”M” AND RACEGRP=”B”
Value_EGFRCR1 = 141 * min(VALUE_SCR/0.9,1)**(-0.411) * max(VALUE_SCR/0.9,1)**(-1.209) * 0.993**V&v.AGE&v.1 * 1.159

ELSE IF GENDER=”F” AND RACEGRP=”A, I, or W”
Value_EGFRCR1 = 141 * min(VALUE_SCR/0.7,1)**(-0.329) * max(VALUE_SCR/0.7,1)**(-1.209) * 0.993**V&v.AGE&v.1 * 1.018

ELSE IF GENDER=”F” AND RACEGRP=”B”
Value_EGFRCR1 = 141 * min(VALUE_SCR/0.7,1)**(-0.329) * max(VALUE_SCR/0.7,1)**(-1.209) * 0.993**V&v.AGE&v.1 * 1.018 * 1.159

Source variable(s): See Value_sCr

3.15b Method_EGFRCR1 (Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine 2009) Method)

Description: Character variable that denotes the method or machine used to derive the estimated glomerular filtration rate lab value

Type: Character

Manual Description: = “Calculated Value”

3.15c Collect_Date_EGFRCR1_FUdays (Days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine 2009) Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine 2009) Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET

[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.15d Collect_Date_EGFRCR1_Year (Year of Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine 2009) Collection Date)

Description: Numeric variable that denotes the year of Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine 2009) Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.15e Result_Date_EGFRCR1_FollowUpDays (Days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine 2009) Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine 2009) Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM6D from CHEM3 DATASET
[Visit 9] CHEM6D from CHEM3 DATASET
[Visit 7] CHEM6D from CHEM2 DATASET
[Visit 6] CHEM6D from CHEM2 DATASET
[Visit 5] CHM26a from CHM DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] “ “

3.15f Result_Date_EGFRCR1_Year (Year of Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine 2009) Result Date)

Description: Numeric variable that denotes the year of Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine 2009) Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM6D from CHEM3 DATASET
[Visit 9] CHEM6D from CHEM3 DATASET
[Visit 7] CHEM6D from CHEM2 DATASET
[Visit 6] CHEM6D from CHEM2 DATASET
[Visit 5] CHM26a from CHM DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.16 Estimated Glomerular Filtration Rate (Ckd-Epi Cystatin Equation 2012)

3.16a Value_EGFRCYSC1 (Estimated Glomerular Filtration Rate Value (Ml/Min/1.73m2, Ckd-Epi Cystatin Equation 2012))

Description: Numeric variable that denotes the estimated glomerular filtration rate from the Ckd-Epi Cystatin Equation (2012)

Type: Numeric

Algorithm: If VALUE_CYSC>. Then do:

```
    IF GENDER="M"
        Value_EGFRCYSC1 = 133 *
        min(VALUE_CYSC/0.8,1)**(-0.499) *
        max(VALUE_CYSC/0.8,1)**(-1.328) *
        0.996**(V&v.AGE&v.1)

ELSE IF GENDER="F"
    Value_EGFRCYSC1 = 133 * min(VALUE_CYSC/0.8,1)**(-
    0.499) * max(VALUE_CYSC/0.8,1)**(-1.328) *
    0.996**(V&v.AGE&v.1) * 0.932
```

Source variable(s): See Value_CYSC

3.16b Method_EGFRCYSC1 (Estimated Glomerular Filtration Rate (Ckd-Epi Cystatin Equation 2012) Method)

Description: Character variable that denotes the method or machine used to derive the estimated glomerular filtration rate lab value

Type: Character

Manual Description: = "Calculated Value"

3.16c Collect_Date_EGFRCYSC1_FUdays (Days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Cystatin Equation 2012) Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Cystatin Equation 2012) Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.16d Collect_Date_EGFRCYSC1_Year (Year of Estimated Glomerular Filtration Rate (Ckd-Epi Cystatin Equation 2012) Collection Date)

Description: Numeric variable that denotes the year of Estimated Glomerular Filtration Rate (Ckd-Epi Cystatin Equation 2012) Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.16e Result_Date_EGFRCYSC1_FUDays (Days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Cystatin Equation 2012) Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Cystatin Equation 2012) Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM12D from CHEM3 DATASET
[Visit 9] CHEM12D from CHEM3 DATASET
[Visit 7] CHEM12D from CHEM2 DATASET
[Visit 6] CHEM12D from CHEM2 DATASET
[Visit 5] CYSC2 from CYSC DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 2] LIPB07 from LIPB DATASET

3.16f Result_Date_EGFRCYSC1_Year (Year of Estimated Glomerular Filtration Rate (Ckd-Epi Cystatin Equation 2012) Result Date)

Description: Numeric variable that denotes the year of Estimated Glomerular Filtration Rate (Ckd-Epi Cystatin Equation 2012) Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM12D from CHEM3 DATASET
[Visit 9] CHEM12D from CHEM3 DATASET
[Visit 7] CHEM12D from CHEM2 DATASET
[Visit 6] CHEM12D from CHEM2 DATASET
[Visit 5] CYSC2 from CYSC DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 2] LIPB07 from LIPB DATASET

3.17 Fructosamine

3.17a Value_FRU (Fructosamine Value (µmol/L, Serum))

Description: Numeric variable that denotes the fructosamine lab value

Type: Numeric

Manual Description: [Visit 10] CHEM7 from CHEM3 DATASET
[Visit 9] CHEM7 from CHEM3 DATASET
[Visit 7] CHEM7 from CHEM2 DATASET
[Visit 6] CHEM7 from CHEM2 DATASET
[Visit 4] V4FRUC from uc7173_as2009_16_p DATASET

3.17b Method_FRU (Fructosamine Method)

Description: Character variable that denotes the method or machine used to derive the fructosamine lab value

Type: Character

Manual Description: [Visit 10] “Roche Cobas 8000”
[Visit 9] “Roche Cobas 8000”
[Visit 7] “Roche Cobas 6000”
[Visit 6] “Roche Cobas 6000”
[Visit 4] “ “

3.17c Collect_Date_FRU_FollowUpDays (Days of follow up from visit 1 to Fructosamine Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Fructosamine Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM7B from CHEM3 DATASET
[Visit 9] CHEM7B from CHEM3 DATASET
[Visit 7] CHEM7B from CHEM2 DATASET
[Visit 6] CHEM7B from CHEM2 DATASET
[Visit 4] FTRD1 from FTRD DATASET

3.17d Collect_Date_FRU_Year (Year of Fructosamine Collection Date)

Description: Numeric variable that denotes the year of Fructosamine Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM7B from CHEM3 DATASET
[Visit 9] CHEM7B from CHEM3 DATASET
[Visit 7] CHEM7B from CHEM2 DATASET
[Visit 6] CHEM7B from CHEM2 DATASET
[Visit 4] FTRD1 from FTRD DATASET

3.17e Result_Date_FRU_FollowUpDays (Days of follow up from visit 1 to Fructosamine Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Fructosamine Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM7D from CHEM3 DATASET
[Visit 9] CHEM7D from CHEM3 DATASET
[Visit 7] CHEM7D from CHEM2 DATASET
[Visit 6] CHEM7D from CHEM2 DATASET
[Visit 4] ASSAYDATE from uc7173_as2009_16_p DATASET

3.17f Result_Date_FRU_Year (Year of Fructosamine Result Date)

Description: Numeric variable that denotes the year of Fructosamine Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM7D from CHEM3 DATASET
[Visit 9] CHEM7D from CHEM3 DATASET
[Visit 7] CHEM7D from CHEM2 DATASET
[Visit 6] CHEM7D from CHEM2 DATASET
[Visit 4] ASSAYDATE from uc7173_as2009_16_p DATASET

3.18 Glycated Albumin

3.18a Value_GA (Glycated Albumin Value (g/dL, Serum))

Description: Numeric variable that denotes the glycated albumin lab value. Values at visit 9 set to NULL due to changed units from V6/V7.

Type: Numeric

Manual Description: [Visit 10] CHEM9 from CHEM3 DATASET
[Visit 9] CHEM9 from CHEM3 DATASET
[Visit 7] CHEM9 from CHEM2 DATASET
[Visit 6] CHEM9 from CHEM2 DATASET
[Visit 5] V5GALB from uc7991_v5data_as2009_16 DATASET
[Visit 4] V4GALB from uc7173_as2009_16_p DATASET

3.18b Method_GA (Glycated Albumin Method)

Description: Character variable that denotes the method or machine used to derive the glycated albumin lab value

Type: Character

Manual Description: [Visit 10] “Roche Cobas 8000”
[Visit 9] “Roche Cobas 8000”
[Visit 7] “Roche Cobas 6000”
[Visit 6] “Roche Cobas 6000”
[Visit 5] “Roche Cobas e411”
[Visit 4] “ “

3.18c Collect_Date_GA_FollowUpDays (Days of follow up from visit 1 to Glycated Albumin Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Glycated Albumin Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM9B from CHEM3 DATASET
[Visit 9] CHEM9B from CHEM3 DATASET
[Visit 7] CHEM9B from CHEM2 DATASET
[Visit 6] CHEM9B from CHEM2 DATASET
[Visit 5] BIO0a from BIO DATSET
[Visit 4] FTRD1 from FTRD DATASET

3.18d Collect_Date_GA_Year (Year of Glycated Albumin Collection Date)

Description: Numeric variable that denotes the year of Glycated Albumin Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM9B from CHEM3 DATASET
[Visit 9] CHEM9B from CHEM3 DATASET
[Visit 7] CHEM9B from CHEM2 DATASET
[Visit 6] CHEM9B from CHEM2 DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD DATASET

3.18e Result_Date_GA_FollowUpDays (Days of follow up from visit 1 to Glycated Albumin Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Glycated Albumin Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM9D from CHEM3 DATASET
[Visit 9] CHEM9D from CHEM3 DATASET
[Visit 7] CHEM9D from CHEM2 DATASET
[Visit 6] CHEM9D from CHEM2 DATASET
[Visit 5] “ “
[Visit 4] from ASSAYDATE from uc7173_as2009_16_p DATASET

3.18f Result_Date_GA_Year (Year of Glycated Albumin Result Date)

Description: Numeric variable that denotes the year of Glycated Albumin Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM9D from CHEM3 DATASET
[Visit 9] CHEM9D from CHEM3 DATASET
[Visit 7] CHEM9D from CHEM2 DATASET
[Visit 6] CHEM9D from CHEM2 DATASET
[Visit 5] “ “
[Visit 4] from ASSAYDATE from uc7173_as2009_16_p DATASET

3.19 Glycated Albumin Percentage

3.19a Value_GA_percent (Glycated Albumin Value (%, Serum))

Description: Numeric variable that denotes the glycated albumin percentage lab value

Type: Numeric

Manual Description: [Visit 10] CHEM8 from CHEM3 DATASET
[Visit 9] CHEM8 from CHEM3 DATASET
[Visit 7] CHEM8 from CHEM2 DATASET
[Visit 6] CHEM8 from CHEM2 DATASET
[Visit 4] V4GAPCT from uc7173_as2009_16_p DATASET

3.19b Method_GA_percent (Glycated Albumin Method)

Description: Character variable that denotes the method or machine used to derive the glycated albumin percent lab value

Type: Character

Manual Description: [Visit 10] “Roche Cobas 8000”
[Visit 9] “Roche Cobas 8000”
[Visit 7] “Roche Cobas 6000”
[Visit 6] “Roche Cobas 6000”
[Visit 4] “ “

3.19c Collect_Date_GA_percent_FollowUpDays (Days of follow up from visit 1 to Glycated Albumin % Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Glycated Albumin % Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM8B from CHEM3 DATASET
[Visit 9] CHEM8B from CHEM3 DATASET
[Visit 7] CHEM8B from CHEM2 DATASET
[Visit 6] CHEM8B from CHEM2 DATASET
[Visit 4] FTRD1 from FTRD DATASET

3.19d Collect_Date_GA_percent_Year (Year of Glycated Albumin % Collection Date)

Description: Numeric variable that denotes the year of Glycated Albumin % Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM8B from CHEM3 DATASET
[Visit 9] CHEM8B from CHEM3 DATASET
[Visit 7] CHEM8B from CHEM2 DATASET

[Visit 6] CHEM8B from CHEM2 DATASET
[Visit 4] FTRD1 from FTRD DATASET

3.19e Result_Date_GA_percent_FollowUpDays (Days of follow up from visit 1 to Glycated Albumin % Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Glycated Albumin % Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM8D from CHEM3 DATASET
[Visit 9] CHEM8D from CHEM3 DATASET
[Visit 7] CHEM8D from CHEM2 DATASET
[Visit 6] CHEM8D from CHEM2 DATASET
[Visit 4] ASSAYDATE from uc7173_as2009_16_p DATASET

3.19f Result_Date_GA_percent_Year (Year of Glycated Albumin % Result Date)

Description: Numeric variable that denotes the year of Glycated Albumin % Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM8D from CHEM3 DATASET
[Visit 9] CHEM8D from CHEM3 DATASET
[Visit 7] CHEM8D from CHEM2 DATASET
[Visit 6] CHEM8D from CHEM2 DATASET
[Visit 4] ASSAYDATE from uc7173_as2009_16_p DATASET

3.20 G-glutamyl Transferase

3.20a Value_GGT (G-glutamyl transferase Value (U/L, Serum))

Description: Numeric variable that denotes the G-glutamyl transferase lab value

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM18 from CHEM2 DATASET
[Visit 6] CHEM18 from CHEM2 DATASET

3.20b Method_GGT (G-glutamyl transferase Method)

Description: Character variable that denotes the method or machine used to derive the G-glutamyl transferase lab value

Type: Character

Manual Description: = " "

3.20c Collect_Date_GGT_FollowUpDays (Days of follow up from visit 1 to G-glutamyl transferase Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to G-glutamyl transferase Collection Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM18B from CHEM2 DATASET
[Visit 6] CHEM18B from CHEM2 DATASET

3.20d Collect_Date_GGT_Year (Year of G-glutamyl transferase Collection Date)

Description: Numeric variable that denotes the year of G-glutamyl transferase Collection Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM18B from CHEM2 DATASET
[Visit 6] CHEM18B from CHEM2 DATASET

3.20e Result_Date_GGT_FollowUpDays (Days of follow up from visit 1 to G-glutamyl transferase Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to G-glutamyl transferase Result Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM18D from CHEM2 DATASET
[Visit 6] CHEM18D from CHEM2 DATASET

3.20f Result_Date_GGT_Year (Year of G-glutamyl transferase Result Date)

Description: Numeric variable that denotes the year of G-glutamyl transferase Result Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM18D from CHEM2 DATASET
[Visit 6] CHEM18D from CHEM2 DATASET

3.21 Glucose

3.21a Value_Glu (Glucose Value (mg/dL, Serum))

Description: Numeric variable that denotes the glucose lab value

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM5 from CHEM2 DATASET
[Visit 6] CHEM5 from CHEM2 DATASET
[Visit 5] LIP23 from LIP DATASET
[Visit 4] GLUC_V4 from V1_V5_Analytes DATASET
[Visit 3] GLUC_V3 from V1_V5_Analytes DATASET
[Visit 2] GLUC_V2 from V1_V5_Analytes DATASET
[Visit 1] GLUC_V1 from V1_V5_Analytes DATASET

3.21b Method_Glu (Glucose Method)

Description: Character variable that denotes the method or machine used to derive the glucose lab value

Type: Character

Manual Description: [Visit 10] “ “
[Visit 9] “ “
[Visit 7] “Roche Cobas 6000”
[Visit 6] “Roche Cobas 6000”
[Visit 5] “Roche Cobas e411”
[Visit 4] “ “
[Visit 3] “Roche Cobas-Fara II”
[Visit 2] “Roche Cobas-Bio”
[Visit 1] “Roche Cobas-Bio”

3.21c Collect_Date_Glu_FollowUpDays (Days of follow up from visit 1 to Glucose Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Glucose Collection Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM5B from CHEM2 DATASET
[Visit 6] CHEM5B from CHEM2 DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.21d Collect_Date_Glu_Year (Year of Glucose Collection Date)

Description: Numeric variable that denotes the year of Glucose Collection Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM5B from CHEM2 DATASET
[Visit 6] CHEM5B from CHEM2 DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.21e Result_Date_Glu_FollowUpDays (Days of follow up from visit 1 to Glucose Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Glucose Result Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM5D from CHEM2 DATASET
[Visit 6] CHEM5D from CHEM2 DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET

[Visit 1] “ “

3.21f Result_Date_Glu_Year (Year of Glucose Result Date)

Description: Numeric variable that denotes the year of Glucose Result Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM5D from CHEM2 DATASET
[Visit 6] CHEM5D from CHEM2 DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] “ “

3.22 Glucose

3.22a Value_GLUSIU1 (Glucose Value (SI Units, Serum))

Description: Numeric variable that denotes the glucose lab value

Type: Numeric

Algorithm: GLUSIU1 = Value_Glu*CF_gluc;
CF_gluc=0.05551

Source variable(s): See Value_Glu

3.22b Method_GLUSIU1 (Glucose SI Units Method)

Description: Character variable that denotes the method or machine used to derive the glucose lab value

Type: Character

Manual Description: = “Calculated Value”

3.22c Collect_Date_GLUSIU1_FUdays (Days of follow up from visit 1 to Glucose SI Units Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Glucose SI Units Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.22d Collect_Date_GLUSIU1_Year (Year of Glucose SI Units Collection Date)

Description: Numeric variable that denotes the year of Glucose SI Units Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.22e Result_Date_GLUSIU1_FollowUpDays (Days of follow up from visit 1 to Glucose SI Units Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Glucose SI Units Result Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM5D from CHEM2 DATASET
[Visit 6] CHEM5D from CHEM2 DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] “ “

3.22f Result_Date_GLUSIU1_Year (Year of Glucose SI Units Result Date)

Description: Numeric variable that denotes the year of Glucose SI Units Result Date

Type: Numeric

Manual Description: [Visit 10] Not Collected
[Visit 9] Not Collected
[Visit 7] CHEM5D from CHEM2 DATASET
[Visit 6] CHEM5D from CHEM2 DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.23 Hemoglobin A1C

3.23a Value_HbA1c (Hemoglobin A1C Value (%, Whole Blood))

Description: Numeric variable that denotes the hemoglobin A1C lab value

Type: Numeric

Manual Description: [Visit 10] CHEM1 from CHEM3 DATASET
[Visit 9] CHEM1 from CHEM3 DATASET
[Visit 7] CHEM1 from CHEM2 DATASET
[Visit 6] CHEM1 from CHEM2 DATASET
[Visit 5] CHM15 from CHM DATASET
[Visit 2] HbA1C from uc5976_as200615_hba1c_p DATASET

3.23b Method_HbA1c (Hemoglobin A1C Method)

Description: Character variable that denotes the method or machine used to derive the hemoglobin A1C lab value

Type: Character

Manual Description: [Visit 10] "Tosoh G8 (HPLC)"
[Visit 9] "Tosoh G8 (HPLC)"
[Visit 7] "Tosoh G8 (HPLC)"
[Visit 6] "Tosoh G8 (HPLC)"
[Visit 5] "Tosoh G8 (HPLC)"
[Visit 2] "Tosoh G8 (HPLC)"

3.23c Collect_Date_HbA1c_FollowUpDays (Days of follow up from visit 1 to Hemoglobin A1C Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Hemoglobin A1C Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM1B from CHEM3 DATASET
[Visit 9] CHEM1B from CHEM3 DATASET
[Visit 7] CHEM1B from CHEM2 DATASET
[Visit 6] CHEM1B from CHEM2 DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.23d Collect_Date_HbA1c_Year (Year of Hemoglobin A1C Collection Date)

Description: Numeric variable that denotes the year of Hemoglobin A1C Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM1B from CHEM3 DATASET
[Visit 9] CHEM1B from CHEM3 DATASET
[Visit 7] CHEM1B from CHEM2 DATASET
[Visit 6] CHEM1B from CHEM2 DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.23e Result_Date_HbA1c_FollowUpDays (Days of follow up from visit 1 to Hemoglobin A1C Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Hemoglobin A1C Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM1D from CHEM3 DATASET
[Visit 9] CHEM1D from CHEM3 DATASET
[Visit 7] CHEM1D from CHEM2 DATASET
[Visit 6] CHEM1D from CHEM2 DATASET
[Visit 5] CHM20a from CHM DATASET
[Visit 2] LIPB07 from LIPB DATASET

3.23f Result_Date_HbA1c_Year (Year of Hemoglobin A1C Result Date)

Description: Numeric variable that denotes the year of Hemoglobin A1C Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM1D from CHEM3 DATASET
[Visit 9] CHEM1D from CHEM3 DATASET
[Visit 7] CHEM1D from CHEM2 DATASET
[Visit 6] CHEM1D from CHEM2 DATASET
[Visit 5] CHM20a from CHM DATASET
[Visit 2] LIPB07 from LIPB DATASET

3.24 High-Density Lipoprotein Cholesterol

3.24a Value_HDL (High Density Lipoprotein Cholesterol Value (mg/dL, Plasma))

Description: Numeric variable that denotes the high-density lipoprotein cholesterol lab value

Type: Numeric

Manual Description: [Visit 10] LIPG2B from LIPG DATASET
[Visit 9] LIPG2B from LIPG DATASET
[Visit 7] LIPF2B from LIPF DATASET
[Visit 6] LIPF2B from LIPF DATASET
[Visit 5] LIP13 from LIP DATASET
[Visit 4] HDL_V4 from V1_V5_Analytes DATASET
[Visit 3] HDL_V3 from V1_V5_Analytes DATASET
[Visit 2] HDL_V2 from V1_V5_Analytes DATASET
[Visit 1] HDL_V1 from V1_V5_Analytes DATASET

3.24b Method_HDL (High Density Lipoprotein Cholesterol Method)

Description: Character variable that denotes the method or machine used to derive the high-density lipoprotein cholesterol lab value

Type: Character

Manual Description: [Visit 10] “Beckman Coulter AU480”
[Visit 9] “Beckman Coulter AU480”
[Visit 7] “Beckman Coulter AU480”
[Visit 6] “Beckman Coulter AU480”
[Visit 5] “Beckman Coulter Olympus AU 400”
[Visit 4] “ “
[Visit 3] “Beckman Coulter Discrete Analyzer (DACOS)”
[Visit 2] “Beckman Coulter Discrete Analyzer (DACOS)”
[Visit 1] “Beckman Coulter Discrete Analyzer (DACOS)”

3.24c Collect_Date_HDL_FollowUpDays (Days of follow up from visit 1 to High Density Lipoprotein Cholesterol Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to High Density Lipoprotein Cholesterol Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.24d Collect_Date_HDL_Year (Year of High Density Lipoprotein Cholesterol Collection Date)

Description: Numeric variable that denotes the year of High Density Lipoprotein Cholesterol Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.24e Result_Date_HDL_FollowUpDays (Days of follow up from visit 1 to High Density Lipoprotein Cholesterol Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to High Density Lipoprotein Cholesterol Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG2a from LIPG DATASET
[Visit 9] LIPG2a from LIPG DATASET

[Visit 7] LIPF2a from LIPF DATASET
[Visit 6] LIPF2a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.24f Result_Date_HDL_Year (Year of High Density Lipoprotein Cholesterol Result Date)

Description: Numeric variable that denotes the year of High Density Lipoprotein Cholesterol Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG2a from LIPG DATASET
[Visit 9] LIPG2a from LIPG DATASET
[Visit 7] LIPF2a from LIPF DATASET
[Visit 6] LIPF2a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.25 High-Density Lipoprotein Cholesterol

3.25a Value_HDLSIU1 (High Density Lipoprotein Cholesterol Value (SI Units, Plasma))

Description: Numeric variable that denotes the high-density lipoprotein cholesterol lab value

Type: Numeric

Algorithm: HDLSIU1 = Value_HDL .*CF_chol;
Note: CF_chol=0.02586

Source variable(s): See Value_HDL

3.25b Method_HDLSIU1 (High Density Lipoprotein Cholesterol SI Units Method)

Description: Character variable that denotes the method or machine used to derive the high-density lipoprotein cholesterol lab value

Type: Character

Manual Description: = “Calculated Value”

3.25c Collect_Date_HDLSIU1_FUdays (Days of follow up from visit 1 to High Density Lipoprotein Cholesterol SI Units Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to High Density Lipoprotein Cholesterol SI Units Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.25d Collect_Date_HDLSIU1_Year (Year of High Density Lipoprotein Cholesterol SI Units Collection Date)

Description: Numeric variable that denotes the year of High Density Lipoprotein Cholesterol SI Units Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.25e Result_Date_HDLSIU1_FollowUpDays (Days of follow up from visit 1 to High Density Lipoprotein Cholesterol SI Units Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to High Density Lipoprotein Cholesterol SI Units Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG2a from LIPG DATASET

[Visit 9] LIPG2a from LIPG DATASET
[Visit 7] LIPF2a from LIPF DATASET
[Visit 6] LIPF2a from LIPF DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.25f Result_Date_HDLSIU1_Year (Year of High Density Lipoprotein Cholesterol SI Units Result Date)

Description: Numeric variable that denotes the year of High Density Lipoprotein Cholesterol SI Units Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG2a from LIPG DATASET
[Visit 9] LIPG2a from LIPG DATASET
[Visit 7] LIPF2a from LIPF DATASET
[Visit 6] LIPF2a from LIPF DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.26 Hemoglobin

3.26a Value_HGB (Hemoglobin Value (g/dL, Whole Blood))

Description: Numeric variable that denotes the hemoglobin lab value

Type: Numeric

Manual Description: [Visit 10] CHEM19 from CHEM3 DATASET
[Visit 9] CHEM19 from CHEM3 DATASET
[Visit 7] CHEM19 from CHEM2 DATASET
[Visit 6] CHEM19 from CHEM2 DATASET

3.26b Method_HGB (Hemoglobin Method)

Description: Character variable that denotes the method or machine used to derive the hemoglobin lab value

Type: Character

Manual Description: [Visit 10] “Sysmex XS-1000i”
[Visit 9] “Sysmex XS-1000i”
[Visit 7] “Sysmex XS-1000i”
[Visit 6] “Sysmex XS-1000i”

3.26c Collect_Date_HGB_FollowUpDays (Days of follow up from visit 1 to Hemoglobin Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Hemoglobin Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM19B from CHEM3 DATASET
[Visit 9] CHEM19B from CHEM3 DATASET
[Visit 7] CHEM19B from CHEM2 DATASET
[Visit 6] CHEM19B from CHEM2 DATASET

3.26d Collect_Date_HGB_Year (Year of Hemoglobin Collection Date)

Description: Numeric variable that denotes the year of Hemoglobin Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM19B from CHEM3 DATASET
[Visit 9] CHEM19B from CHEM3 DATASET
[Visit 7] CHEM19B from CHEM2 DATASET
[Visit 6] CHEM19B from CHEM2 DATASET

3.26e Result_Date_HGB_FollowUpDays (Days of follow up from visit 1 to Hemoglobin Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Hemoglobin Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM19D from CHEM3 DATASET
[Visit 9] CHEM19D from CHEM3 DATASET
[Visit 7] CHEM19D from CHEM2 DATASET
[Visit 6] CHEM19D from CHEM2 DATASET

3.26f Result_Date_HGB_Year (Year of Hemoglobin Result Date)

Description: Numeric variable that denotes the year of Hemoglobin Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM19D from CHEM3 DATASET
[Visit 9] CHEM19D from CHEM3 DATASET
[Visit 7] CHEM19D from CHEM2 DATASET
[Visit 6] CHEM19D from CHEM2 DATASET

3.27 Hyperlipidemia Version 1 (LDL > 130)

3.27a Value_HLD1 (Hyperlipidemia version 1 (LDL>130) Value (Binary, Plasma))

Description: Numeric variable that denotes the hyperlipidemia version 1 (LDL>130) lab value

Type: Binary

Algorithm:
For visits 1, 2, 3, and 4:
If GENDER="M" then do;
Value_HLD1 = 1, If Value_TG >150 or Value_TC>200 or Value_HDL <40 or Value_LDL>130 or CHOLMDCODE&v.1 = 1 or CHOLMDCODE&v.2 =1;
Value_HLD1 = 0, else;
End;

Else if GENDER="F" then do;
Value_HLD1 = 1, if Value_TG >150 or Value_TC>200 or Value_HDL <50 or Value_LDL>130 or CHOLMDCODE&v.1 = 1 or CHOLMDCODE&v.2 =1;
Value_HLD1 = 0, else;
End;

Visits 5, 6, 7, and 9:
If GENDER="M" then do;
Value_HLD1 = 1, If Value_TG >150 or Value_TC>200 or Value_HDL <40 or Value_LDL>130 or CHOLMDCODE&v.3 = 1 or CHOLMDCODE&v.4 =1;
Value_HDL1 = 0, else;
End;

Else if GENDER="F" then do;
Value_HLD1 = 1, if Value_TG >150 or Value_TC>200 or Value_HDL <50 or Value_LDL>130 or CHOLMDCODE&v.3 = 1 or CHOLMDCODE&v.4 =1;
Value_HLD1 =0, else;
End;

Source variable(s): See Value_LDL, Value_HDL, Value_TC, and Value_TG

3.27b Method_HLD1 (Hyperlipidemia version 1 (LDL>130) Method)

Description: Character variable that denotes the method or machine used to derive the hyperlipidemia version 1 lab value

Type: Character

Manual Description: = “Calculated Value”

3.27c Collect_Date_HLD1_FollowUpDays (Days of follow up from visit 1 to Hyperlipidemia version 1 (LDL>130) Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Hyperlipidemia version 1 (LDL>130) Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.27d Collect_Date_HLD1_Year (Year of Hyperlipidemia version 1 (LDL>130) Collection Date)

Description: Numeric variable that denotes the year of Hyperlipidemia version 1 (LDL>130) Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.27e Result_Date_HLD1_FollowUpDays (Days of follow up from visit 1 to Hyperlipidemia version 1 (LDL>130) Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Hyperlipidemia version 1 (LDL>130) Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG3a from LIPG DATASET
[Visit 9] LIPG3a from LIPG DATASET
[Visit 7] LIPF3a from LIPF DATASET
[Visit 6] LIPF3a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.27f Result_Date_HLD1_Year (Year of Hyperlipidemia version 1 (LDL>130) Result Date)

Description: Numeric variable that denotes the year of Hyperlipidemia version 1 (LDL>130) Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG3a from LIPG DATASET
[Visit 9] LIPG3a from LIPG DATASET
[Visit 7] LIPF3a from LIPF DATASET
[Visit 6] LIPF3a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.28 Hyperlipidemia Version 2 (LDL > 100)

3.28a Value_HLD2 (Hyperlipidemia version 2 (LDL>100) Value (Binary, Plasma))

Description: Numeric variable that denotes the hyperlipidemia version 2 (LDL>100) lab value

Type: Binary

Algorithm: Visits 5, 6, 7, and 9:
If GENDER="M" then do;

Value_HDL2 = 1, If Value_TG >150 or Value_TC>200 or .z <Value_HDL <40 or Value_LDL>100 or CHOLMDCODE&v.3 = 1 or CHOLMDCODE&v.4 =1;
Value_HDL2 = 0, else;
End;

Else if GENDER="F" then do;
Value_HDL2 = 1, if Value_TG >150 or Value_TC>200 or .z<Value_HDL <50 or Value_LDL>100 or CHOLMDCODE&v.3 = 1 or CHOLMDCODE&v.4 =1;
Value_HDL2 = 0, else;
End;

Visits 1, 2, 3, and 4:
If GENDER="M" then do;
Value_HDL2 = 1, If Value_TG >150 or Value_TC>200 or .z <Value_HDL <40 or Value_LDL>100 or CHOLMDCODE&v.1 = 1 or CHOLMDCODE&v.2 =1;
Value_HDL2 = 0, else;
End;

Else if GENDER="F" then do;
Value_HDL2 = 1, if Value_TG >150 or Value_TC>200 or .z<Value_HDL <50 or Value_LDL>100 or CHOLMDCODE&v.1 = 1 or CHOLMDCODE&v.2 =1;
Value_HDL2 = 0, else;

Source variable(s): See Value_HDL, Value_LDL, Value_TC, and Value_TG

3.28b Method_HLD2 (Hyperlipidemia version 2 (LDL>100) Method)

Description: Character variable that denotes the method or machine used to derive the hyperlipidemia version 2 lab value

Type: Character

Manual Description: = “Calculated Value”

3.28c Collect_Date_HLD2_FollowUpDays (Days of follow up from visit 1 to Hyperlipidemia version 2 (LDL>100) Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Hyperlipidemia version 2 (LDL>100) Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET

[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.28d Collect_Date_HLD2_Year (Year of Hyperlipidemia version 2 (LDL>100) Collection Date)

Description: Numeric variable that denotes the year of Hyperlipidemia version 2 (LDL>100) Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.28e Result_Date_HLD2_FollowUpDays (Days of follow up from visit 1 to Hyperlipidemia version 2 (LDL>100) Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Hyperlipidemia version 2 (LDL>100) Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG3a from LIPG DATASET
[Visit 9] LIPG3a from LIPG DATASET
[Visit 7] LIPF3a from LIPF DATASET
[Visit 6] LIPF3a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] “ “

3.28f Result_Date_HLD2_Year (Year of Hyperlipidemia version 2 (LDL>100) Result Date)

Description: Numeric variable that denotes the year of Hyperlipidemia version 2 (LDL>100) Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG3a from LIPG DATASET
[Visit 9] LIPG3a from LIPG DATASET
[Visit 7] LIPF3a from LIPF DATASET
[Visit 6] LIPF3a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.29 High Sensitive C-Reactive Protein

3.29a Value_hs_CRP (High Sensitive C-Reactive Protein Value (mg/L, Plasma))

Description: Numeric variable that denotes the high sensitive C-reactive protein lab value

Type: Numeric

Manual Description: [Visit 10] LIPG6B from LIPG DATASET
[Visit 9] LIPG6B from LIPG DATASET
[Visit 7] LIPF6B from LIPF DATASET
[Visit 6] LIPF6B from LIPF DATASET
[Visit 5] LIP33 from LIP DATASET
[Visit 4] CRP_V4 from V1_V5_Analyte DATASET
[Visit 2] V2CRP from uc6334_as2009_16_p

3.29b Method_hs_CRP (High Sensitive C-Reactive Protein Method)

Description: Character variable that denotes the method or machine used to derive the high sensitive C-reactive protein lab value

Type: Character

Manual Description: [Visit 10] "Beckman Coulter AU480"
[Visit 9] "Beckman Coulter AU480"
[Visit 7] "Beckman Coulter AU480"
[Visit 6] "Beckman Coulter AU480"
[Visit 5] "Beckman Coulter Olympus AU 400"
[Visit 4] " "

[Visit 2] “Beckman Coulter Discrete Analyzer (DACOS)”

3.29c Collect_Date_hs_CRP_FollowUpDays (Days of follow up from visit 1 to High Sensitive C-Reactive Protein Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to High Sensitive C-Reactive Protein Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.29d Collect_Date_hs_CRP_Year (Year of High Sensitive C-Reactive Protein Collection Date)

Description: Numeric variable that denotes the year of High Sensitive C-Reactive Protein Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.29e Result_Date_hs_CRP_FollowUpDays (Days of follow up from visit 1 to High Sensitive C-Reactive Protein Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to High Sensitive C-Reactive Protein Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG6a from LIPG DATASET
[Visit 9] LIPG6a from LIPG DATASET
[Visit 7] LIPF6a from LIPF DATASET
[Visit 6] LIPF6a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET

[Visit 4] LIPD9 from LIPD04 DATASET

3.29f Result_Date_hs_CRP_Year (Year of High Sensitive C-Reactive Protein Result Date)

Description: Numeric variable that denotes the year of High Sensitive C-Reactive Protein Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG6a from LIPG DATASET
[Visit 9] LIPG6a from LIPG DATASET
[Visit 7] LIPF6a from LIPF DATASET
[Visit 6] LIPF6a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET

3.30 High Sensitive Troponin - L

3.30a Value_hs_TNL (High Sensitive Troponin - L (ng/L, Plasma))

Description: Numeric variable that denotes the high sensitive C-reactive protein lab value

Type: Numeric

Manual Description: [Visit 7] hsTnl from uc8267_as2015_26__v7_p DATASET
[Visit 6] hsTnl from uc8267_as2015_26__v6_p DATASET

3.30b Method_hs_TNL (High Sensitive Troponin - L Method)

Description: Character variable that denotes the method or machine used to derive the High Sensitive Troponin - L lab value

Type: Character

Manual Description: [Visit 7] “Beckman Coulter AU480”
[Visit 6] “Beckman Coulter AU480”

3.30c Collect_Date_hs_TNL_FollowUpDays (Days of follow up from visit 1 to High Sensitive Troponin - L Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to High Sensitive Troponin - L Collection Date

Type: Numeric

Manual Description: [Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET

3.30d Collect_Date_hs_TNL_Year (Year of High Sensitive Troponin - L Collection Date)

Description: Numeric variable that denotes the year of High Sensitive Troponin - L Collection Date

Type: Numeric

Manual Description: [Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET

3.30e Result_Date_hs_TNL_FollowUpDays (Days of follow up from visit 1 to High Sensitive Troponin - L Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to High Sensitive Troponin - L Result Date

Type: Numeric

Manual Description: [Visit 7] RUN_DATE from uc8267_as2015_26__v7_p DATASET
[Visit 6] RUN_DATE from uc8267_as2015_26__v6_p DATASET

3.30f Result_Date_hs_TNL_Year (Year of High Sensitive Troponin - L Result Date)

Description: Numeric variable that denotes the year of High Sensitive Troponin - L Result Date

Type: Numeric

Manual Description: [Visit 7] RUN_DATE from uc8267_as2015_26__v7_p DATASET
[Visit 6] RUN_DATE from uc8267_as2015_26__v6_p DATASET

3.31 Potassium

3.31a Value_K (Potassium Value (mmol/L, Serum))

Description: Numeric variable that denotes the potassium lab value

Type: Numeric

Manual Description: [Visit 10] CHEM15 from CHEM3 DATASET
[Visit 9] CHEM15 from CHEM3 DATASET
[Visit 7] CHEM15 from CHEM2 DATASET
[Visit 6] CHEM15 from CHEM2 DATASET

[Visit 5] Potassium from uc7236_v5_electrolytes_p DATASET

3.31b Method_K (Potassium Method)

Description: Character variable that denotes the method or machine used to derive the potassium lab value

Type: Character

Manual Description: [Visit 10] “Roche Cobas 8000”
[Visit 9] “Roche Cobas 8000”
[Visit 7] “Roche Cobas 6000”
[Visit 6] “Roche Cobas 6000”
[Visit 5] “Roche Cobas e411”

3.31c Collect_Date_K_FollowUpDays (Days of follow up from visit 1 to Potassium Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Potassium Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM15B from CHEM3 DATASET
[Visit 9] CHEM15B from CHEM3 DATASET
[Visit 7] CHEM15B from CHEM2 DATASET
[Visit 6] CHEM15B from CHEM2 DATASET
[Visit 5] BIO0a from BIO DATASET

3.31d Collect_Date_K_Year (Year of Potassium Collection Date)

Description: Numeric variable that denotes the year of Potassium Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM15B from CHEM3 DATASET
[Visit 9] CHEM15B from CHEM3 DATASET
[Visit 7] CHEM15B from CHEM2 DATASET
[Visit 6] CHEM15B from CHEM2 DATASET
[Visit 5] BIO0a from BIO DATASET

3.31e Result_Date_K_FollowUpDays (Days of follow up from visit 1 to Potassium Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Potassium Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM15D from CHEM3 DATASET
[Visit 9] CHEM15D from CHEM3 DATASET
[Visit 7] CHEM15D from CHEM2 DATASET
[Visit 6] CHEM15D from CHEM2 DATASET
[Visit 5] ASSAYDATE from uc7236_v5_electrolytes_p DATASET

3.31f Result_Date_K_Year (Year of Potassium Result Date)

Description: Numeric variable that denotes the year of Potassium Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM15D from CHEM3 DATASET
[Visit 9] CHEM15D from CHEM3 DATASET
[Visit 7] CHEM15D from CHEM2 DATASET
[Visit 6] CHEM15D from CHEM2 DATASET
[Visit 5] ASSAYDATE from uc7236_v5_electrolytes_p DATASET

3.32 Low-Density Lipoprotein Cholesterol

3.32a Value_LDL (Low Density Lipoprotein Cholesterol Value (mg/dL, Plasma))

Description: Numeric variable that denotes the low-density lipoprotein cholesterol lab value

Type: Numeric

Manual Description: [Visit 10] LIPG4B from LIPG DATASET
[Visit 9] LIPG4B from LIPG DATASET
[Visit 7] LIPF4B from LIPF DATASET
[Visit 6] LIPF4B from LIPF DATASET
[Visit 5] LIP18 from LIP DATASET
[Visit 4] LDL_V4 from V1_V5_Analytes DATASET
[Visit 3] LDL_V3 from V1_V5_Analytes DATASET
[Visit 2] LDL_V2 from V1_V5_Analytes DATASET
[Visit 1] LDL_V1 from V1_V5_Analytes DATASET

3.32b Method_LDL (Low Density Lipoprotein Cholesterol Method)

Description: Character variable that denotes the method or machine used to derive the low density lipoprotein cholesterol lab value

Type: Character

Manual Description: = “Calculated Value”

3.32c Collect_Date_LDL_FollowUpDays (Days of follow up from visit 1 to Low Density Lipoprotein Cholesterol Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Low Density Lipoprotein Cholesterol Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.32d Collect_Date_LDL_Year (Year of Low Density Lipoprotein Cholesterol Collection Date)

Description: Numeric variable that denotes the year of Low Density Lipoprotein Cholesterol Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.32e Result_Date_LDL_FollowUpDays (Days of follow up from visit 1 to Low Density Lipoprotein Cholesterol Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Low Density Lipoprotein Cholesterol Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG4a from LIPG DATASET
[Visit 9] LIPG4a from LIPG DATASET
[Visit 7] LIPF4a from LIPF DATASET

[Visit 6] LIPF4a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.32f Result_Date_LDL_Year (Year of Low Density Lipoprotein Cholesterol Result Date)

Description: Numeric variable that denotes the year of Low Density Lipoprotein Cholesterol Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG4a from LIPG DATASET
[Visit 9] LIPG4a from LIPG DATASET
[Visit 7] LIPF4a from LIPF DATASET
[Visit 6] LIPF4a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.33 Low-Density Lipoprotein Cholesterol Recalibrated

3.33a Value_LDL2 (Low Density Lipoprotein Cholesterol Recalibrated Value (mg/dL, Plasma))

Description: Numeric variable that denotes the recalibrated low density lipoprotein cholesterol lab value

Type: Numeric

Algorithm: If (any of Value_TC, Value_TG, Value_HDL is missing or Value_TG > 400) then LDL2 = missing
Else LDL2 = Value_TC – Value_HDL – (Value_TG / 5)

Source variable(s): See Value_TC, Value_TG, Value_HDL

3.33b Method_LDL2 (Low Density Lipoprotein Cholesterol Recalibrated Method)

Description: Character variable that denotes the method or machine used to derive the recalibrated low density lipoprotein cholesterol lab value

Type: Character

Manual Description: = “Calculated Value”

3.33c Collect_Date_LDL2_FollowUpDays (Days of follow up from visit 1 to Low Density Lipoprotein Cholesterol Recalibrated Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Low Density Lipoprotein Cholesterol Recalibrated Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.33d Collect_Date_LDL2_Year (Year of Low Density Lipoprotein Cholesterol Recalibrated Collection Date)

Description: Numeric variable that denotes the year of Low Density Lipoprotein Cholesterol Recalibrated Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.33e Result_Date_LDL2_FollowUpDays (Days of follow up from visit 1 to Low Density Lipoprotein Cholesterol Recalibrated Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Low Density Lipoprotein Cholesterol Recalibrated Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG1a from LIPG DATASET
[Visit 9] LIPG1a from LIPG DATASET
[Visit 7] LIPF1a from LIPF DATASET
[Visit 6] LIPF1a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.33f Result_Date_LDL2_Year (Year of Low Density Lipoprotein Cholesterol Recalibrated Result Date)

Description: Numeric variable that denotes the year of Low Density Lipoprotein Cholesterol Recalibrated Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG1a from LIPG DATASET
[Visit 9] LIPG1a from LIPG DATASET
[Visit 7] LIPF1a from LIPF DATASET
[Visit 6] LIPF1a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.34 Low-Density Lipoprotein Cholesterol

3.34a Value_LDLSIU1 (Low Density Lipoprotein Cholesterol Value (SI Units, Plasma))

Description: Numeric variable that denotes the low-density lipoprotein cholesterol lab value

Type: Numeric

Algorithm: LDLSIU1 = Value_LDL*CF_chol;
Note: CF_chol=0.02586

Source variable(s): See Value_LDL

3.34b Method_LDLSIU1 (Low Density Lipoprotein Cholesterol SI units Method)

Description: Character variable that denotes the method or machine used to derive the low density lipoprotein cholesterol lab value

Type: Character

Manual Description: = “Calculated Value”

3.34c Collect_Date_LDLSIU1_FUdays (Days of follow up from visit 1 to Low Density Lipoprotein Cholesterol SI units Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Low Density Lipoprotein Cholesterol SI units Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.34d Collect_Date_LDLSIU1_Year (Year of Low Density Lipoprotein Cholesterol SI units Collection Date)

Description: Numeric variable that denotes the year of Low Density Lipoprotein Cholesterol SI units Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.34e Result_Date_LDLSIU1_FollowUpDays (Days of follow up from visit 1 to Low Density Lipoprotein Cholesterol SI units Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Low Density Lipoprotein Cholesterol SI units Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG4a from LIPG DATASET
[Visit 9] LIPG4a from LIPG DATASET
[Visit 7] LIPF4a from LIPF DATASET
[Visit 6] LIPF4a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.34f Result_Date_LDLSIU1_Year (Year of Low Density Lipoprotein Cholesterol SI units Result Date)

Description: Numeric variable that denotes the year of Low Density Lipoprotein Cholesterol SI units Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG4a from LIPG DATASET
[Visit 9] LIPG4a from LIPG DATASET
[Visit 7] LIPF4a from LIPF DATASET
[Visit 6] LIPF4a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.35 Magnesium

3.35a Value_Mg (Magnesium Value (mg/dL, Serum))

Description: Numeric variable that denotes the magnesium lab value

Type: Numeric

Manual Description: [Visit 10] CHEM14 from CHEM3 DATASET
[Visit 9] CHEM14 from CHEM3 DATASET
[Visit 7] CHEM14 from CHEM2 DATASET
[Visit 6] CHEM14 from CHEM2 DATASET
[Visit 5] Magnesium from uc7236_v5_electrolytes_p DATASET

3.35b Method_Mg (Magnesium Method)

Description: Character variable that denotes the method or machine used to derive

the magnesium lab value

Type: Character

Manual Description: [Visit 10] “Roche Cobas 8000”
[Visit 9] “Roche Cobas 8000”
[Visit 7] “Roche Cobas 6000”
[Visit 6] “Roche Cobas 6000”
[Visit 5] “Roche Cobas e411”

3.35c Collect_Date_Mg_FollowUpDays (Days of follow up from visit 1 to Magnesium Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Magnesium Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM14B from CHEM3 DATASET
[Visit 9] CHEM14B from CHEM3 DATASET
[Visit 7] CHEM14B from CHEM2 DATASET
[Visit 6] CHEM14B from CHEM2 DATASET
[Visit 5] BIO0a from BIO DATASET

3.35d Collect_Date_Mg_Year (Year of Magnesium Collection Date)

Description: Numeric variable that denotes the year of Magnesium Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM14B from CHEM3 DATASET
[Visit 9] CHEM14B from CHEM3 DATASET
[Visit 7] CHEM14B from CHEM2 DATASET
[Visit 6] CHEM14B from CHEM2 DATASET
[Visit 5] BIO0a from BIO DATASET

3.35e Result_Date_Mg_FollowUpDays (Days of follow up from visit 1 to Magnesium Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Magnesium Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM14D from CHEM3 DATASET
[Visit 9] CHEM14D from CHEM3 DATASET
[Visit 7] CHEM14D from CHEM2 DATASET

[Visit 6] CHEM14D from CHEM2 DATASET
[Visit 5] ASSAY_DATE from uc7236_v5_electrolytes_p DATASET

3.35f Result_Date_Mg_Year (Year of Magnesium Result Date)

Description: Numeric variable that denotes the year of Magnesium Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM14D from CHEM3 DATASET
[Visit 9] CHEM14D from CHEM3 DATASET
[Visit 7] CHEM14D from CHEM2 DATASET
[Visit 6] CHEM14D from CHEM2 DATASET
[Visit 5] ASSAY_DATE from uc7236_v5_electrolytes_p DATASET

3.36 Sodium

3.36a Value_Na (Sodium (mmol/dL, Serum))

Description: Numeric variable that denotes the Sodium lab value

Type: Numeric

Manual Description: [Visit 5] Sodium from uc7236_v5_electrolytes_p DATASET

3.36b Method_Na (Sodium Method)

Description: Character variable that denotes the method or machine used to derive the Sodium lab value

Type: Character

Manual Description: = [Visit 5] “Roche Cobas e411”

3.36c Collect_Date_Na_FollowUpDays (Days of follow up from visit 1 to Sodium Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Sodium Collection Date

Type: Numeric

Manual Description: [Visit 5] BIO0a from BIO DATASET

3.36d Collect_Date_Na_Year (Year of Sodium Collection Date)

Description: Numeric variable that denotes the year of Sodium Collection Date

Type: Numeric

Manual Description: [Visit 5] BIO0a from BIO DATASET

3.36e Result_Date_Na_FollowUpDays (Days of follow up from visit 1 to Sodium Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Sodium Result Date

Type: Numeric

Manual Description: [Visit 5] ASSAY_DATE from uc7236_v5_electrolytes_p DATASET

3.36f Result_Date_Na_Year (Year of Sodium Result Date)

Description: Numeric variable that denotes the year of Sodium Result Date

Type: Numeric

Manual Description: [Visit 5] ASSAY_DATE from uc7236_v5_electrolytes_p DATASET

3.37 Non High-Density Lipoprotein Cholesterol

3.37a Value_non_HDL (Non High Density Lipoprotein Cholesterol Value (mg/dL, Plasma))

Description: Numeric variable that denotes the non-high-density lipoprotein cholesterol lab value

Type: Numeric

Manual Description: [Visit 10] LIPG5B from LIPG DATASET
[Visit 9] LIPG5B from LIPG DATASET
[Visit 7] LIPF5B from LIPF DATASET
[Visit 6] LIPF5B from LIPF DATASET

3.37b Method_non_HDL (Non High Density Lipoprotein Cholesterol Method)

Description: Character variable that denotes the method or machine used to derive the non-high density lipoprotein cholesterol

Type: Character

Manual Description: = “Calculated Value”

3.37c Collect_Date_non_HDL_FUdays (Days of follow up from visit 1 to Non High Density Lipoprotein Cholesterol Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Non High Density Lipoprotein Cholesterol Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET

3.37d Collect_Date_non_HDL_Year (Year of Non High Density Lipoprotein Cholesterol Collection Date)

Description: Numeric variable that denotes the year of Non High Density Lipoprotein Cholesterol Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET

3.37e Result_Date_non_HDL_FollowUpDays (Days of follow up from visit 1 to Non High Density Lipoprotein Cholesterol Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Non High Density Lipoprotein Cholesterol Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG5a from LIPG DATASET
[Visit 9] LIPG5a from LIPG DATASET
[Visit 7] LIPF5a from LIPF DATASET
[Visit 6] LIPF5a from LIPF DATASET

3.37f Result_Date_non_HDL_Year (Year of Non High Density Lipoprotein Cholesterol Result Date)

Description: Numeric variable that denotes the year of Non High Density Lipoprotein Cholesterol Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG5a from LIPG DATASET
[Visit 9] LIPG5a from LIPG DATASET
[Visit 7] LIPF5a from LIPF DATASET
[Visit 6] LIPF5a from LIPF DATASET

3.38 Phosphorus

3.38a Value_Phos (Phosphorus (mmol/L, Serum))

Description: Numeric variable that denotes the Phosphorus lab value

Type: Numeric

Manual Description: [Visit 5] Phosphorus from uc7236_v5_electrolytes_p DATASET
[Visit 2] V2PHOS from uc6334_as2009_16_p DATASET

3.38b Method_Phos (Phosphorus Method)

Description: Character variable that denotes the method or machine used to derive the Phosphorus lab value

Type: Character

Manual Description: [Visit 5] “Roche Cobas e411”
[Visit 2] “ “

3.38c Collect_Date_Phos_FollowUpDays (Days of follow up from visit 1 to Phosphorus Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Phosphorus Collection Date

Type: Numeric

Manual Description: [Visit 5] BIO0a from BIO DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.38d Collect_Date_Phos_Year (Year of Phosphorus Collection Date)

Description: Numeric variable that denotes the year of Phosphorus Collection Date

Type: Numeric

Manual Description: [Visit 5] BIO0a from BIO DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.38e Result_Date_Phos_FollowUpDays (Days of follow up from visit 1 to Phosphorus Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Phosphorus Result Date

Type: Numeric

Manual Description: [Visit 5] ASSAY_DATE from uc7236_v5_electrolytes_p DATASET
[Visit 2] Not Collected

3.38f Result_Date_Phos_Year (Year of Phosphorus Result Date)

Description: Numeric variable that denotes the year of Phosphorus Result Date

Type: Numeric

Manual Description: [Visit 5] ASSAY_DATE from uc7236_v5_electrolytes_p DATASET
[Visit 2] Not Collected

3.39 Natriuretic Peptide Tests

3.39a Value_proBNP (Natriuretic Peptide Tests Value (pg/mL, Plasma))

Description: Numeric variable that denotes the Natriuretic Peptide Tests lab value

Type: Numeric

Manual Description: [Visit 7] NT_proBNP from uc8380_as2015_26_v7_p DATASET
[Visit 6] NT_PRO_BNP from uc7588_as2009_16_p DATASET
[Visit 5] LIP43 from LIP04 DATASET
[Visit 4] PRO_BNP_V4 from V1_V5_Analyte DATASET

3.39b Method_proBNP (Natriuretic Peptide Tests Method)

Description: Character variable that denotes the method or machine used to derive the Natriuretic Peptide Tests lab value

Type: Character

Manual Description: [Visit 7] “Beckman Coulter AU480”
[Visit 6] “Beckman Coulter AU480”
[Visit 5] “Beckman Coulter Olympus AU 400”
[Visit 4] “ “

3.39c Collect_Date_ proBNP _FollowUpDays (Days of follow up from visit 1 to Natriuretic Peptide Tests Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Natriuretic Peptide Tests Collection Date

Type: Numeric

Manual Description: [Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET

3.39d Collect_Date_proBNP_Year (Year of Natriuretic Peptide Tests Collection Date)

Description: Numeric variable that denotes the year of Natriuretic Peptide Tests Collection Date

Type: Numeric

Manual Description: [Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET

3.39e Result_Date_proBNP_FollowUpDays (Days of follow up from visit 1 to Natriuretic Peptide Tests Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Natriuretic Peptide Tests Result Date

Type: Numeric

Manual Description: [Visit 7] RUN_DATE from uc8380_as2015_26_v7_p DATASET
[Visit 6] RUN_DATE from uc7588_as2009_16_p DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET

3.39f Result_Date_proBNP_Year (Year of Natriuretic Peptide Tests Result Date)

Description: Numeric variable that denotes the year of Natriuretic Peptide Tests Result Date

Type: Numeric

Manual Description: [Visit 7] RUN_DATE from uc8380_as2015_26_v7_p DATASET
[Visit 6] RUN_DATE from uc7588_as2009_16_p DATASET

[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET

3.40 Creatinine

3.40a Value_sCr (Creatinine Value (mg/dL, Serum))

Description: Numeric variable that denotes the creatinine lab value

Type: Numeric

Manual Description: [Visit 10] CHEM6 from CHEM3 DATASET
[Visit 9] CHEM6 from CHEM3 DATASET
[Visit 7] CHEM6 from CHEM2 DATASET
[Visit 6] CHEM6 from CHEM2 DATASET
[Visit 5] CHM21 from CHM DATASET
[Visit 4] SCR_V4 from V1_V5_Analytes DATASET
[Visit 2] SCR_V2 from V1_V5_Analytes DATASET
[Visit 1] SCR_V1 from V1_V5_Analytes DATASET

3.40b Method_sCr (Creatinine Method)

Description: Character variable that denotes the method or machine used to derive the creatinine lab value

Type: Character

Manual Description: [Visit 10] “Roche Cobas 8000”
[Visit 9] “Roche Cobas 8000”
[Visit 7] “Roche Cobas 6000”
[Visit 6] “Roche Cobas 6000”
[Visit 5] “Roche Cobas e411”
[Visit 4] “ “
[Visit 2] “Roche Cobas-Bio”
[Visit 1] “Roche Cobas-Bio”

3.40c Collect_Date_sCr_FollowUpDays (Days of follow up from visit 1 to Creatinine Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Creatinine Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM6B from CHEM3 DATASET
[Visit 9] CHEM6B from CHEM3 DATASET

[Visit 7] CHEM6B from CHEM2 DATASET
[Visit 6] CHEM6B from CHEM2 DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.40d Collect_Date_sCr_Year (Year of Creatinine Collection Date)

Description: Numeric variable that denotes the year of Creatinine Collection Date

Type: Numeric

Manual Description: [Visit 10] CHEM6B from CHEM3 DATASET
[Visit 9] CHEM6B from CHEM3 DATASET
[Visit 7] CHEM6B from CHEM2 DATASET
[Visit 6] CHEM6B from CHEM2 DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.40e Result_Date_sCr_FollowUpDays (Days of follow up from visit 1 to Creatinine Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Creatinine Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM6D from CHEM3 DATASET
[Visit 9] CHEM6D from CHEM3 DATASET
[Visit 7] CHEM7D from CHEM2 DATASET
[Visit 6] CHEM7D from CHEM2 DATASET
[Visit 5] CHM26a from CHM DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] “ “

3.40f Result_Date_sCr_Year (Year of Creatinine Result Date)

Description: Numeric variable that denotes the year of Creatinine Result Date

Type: Numeric

Manual Description: [Visit 10] CHEM6D from CHEM3 DATASET
[Visit 9] CHEM6D from CHEM3 DATASET

[Visit 7] CHEM7D from CHEM2 DATASET
[Visit 6] CHEM7D from CHEM2 DATASET
[Visit 5] CHM26a from CHM DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.41 Total Cholesterol

3.41a Value_TC (Total Cholesterol Value (mg/dL, Plasma))

Description: Numeric variable that denotes the total cholesterol lab value

Type: Numeric

Manual Description: [Visit 10] LIPG1B from LIPG DATASET
[Visit 9] LIPG1B from LIPG DATASET
[Visit 7] LIPF1B from LIPF DATASET
[Visit 6] LIPF1B from LIPF DATASET
[Visit 5] LIP3 from LIP DATASET
[Visit 4] TOTCHOL_V4 from V1_V5_Analytes DATASET
[Visit 3] TOTCHOL_V3 from V1_V5_Analytes DATASET
[Visit 2] TOTCHOL_V2 from V1_V5_Analytes DATASET
[Visit 1] TOTCHOL_V1 from V1_V5_Analytes DATASET

3.41b Method_TC (Total Cholesterol Method)

Description: Character variable that denotes the method or machine used to derive the total cholesterol lab value

Type: Character

Manual Description: [Visit 10] "Beckman Coulter AU480"
[Visit 9] "Beckman Coulter AU480"
[Visit 7] "Beckman Coulter AU480"
[Visit 6] "Beckman Coulter AU480"
[Visit 5] "Beckman Coulter Olympus AU 400"
[Visit 4] " "
[Visit 3] "Beckman Coulter Discrete Analyzer (DACOS)"
[Visit 2] "Beckman Coulter Discrete Analyzer (DACOS)"
[Visit 1] "Beckman Coulter Discrete Analyzer (DACOS)"

3.41c Collect_Date_TC_FollowUpDays (Days of follow up from visit 1 to Total Cholesterol Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Total Cholesterol Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.41d Collect_Date_TC_Year (Year of Total Cholesterol Collection Date)

Description: Numeric variable that denotes the year of Total Cholesterol Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.41e Result_Date_TC_FollowUpDays (Days of follow up from visit 1 to Total Cholesterol Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Total Cholesterol Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG1a from LIPG DATASET
[Visit 9] LIPG1a from LIPG DATASET
[Visit 7] LIPF1a from LIPF DATASET
[Visit 6] LIPF1a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] “ “

3.41f Result_Date_TC_Year (Year of Total Cholesterol Result Date)

Description: Numeric variable that denotes the year of Total Cholesterol Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG1a from LIPG DATASET
[Visit 9] LIPG1a from LIPG DATASET
[Visit 7] LIPF1a from LIPF DATASET
[Visit 6] LIPF1a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.42 Total Cholesterol

3.42a Value_TCHSIU1 (Total Cholesterol Value (SI Units, Plasma))

Description: Numeric variable that denotes the total cholesterol lab value

Type: Numeric

Algorithm: TCHSIU1 = Value_TC*CF_chol;
Note: CF_chol=0.02586

Source variable(s): See Value_TC

3.42b Method_TCHSIU1 (Total Cholesterol Method)

Description: Character variable that denotes the method or machine used to derive the total cholesterol lab value

Type: Character

Manual Description: = "Calculated Value"

3.42c Collect_Date_TCHSIU1_FUdays (Days of follow up from visit 1 to Total Cholesterol Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Total Cholesterol Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.42d Collect_Date_TCHSIU1_Year (Year of Total Cholesterol Collection Date)

Description: Numeric variable that denotes the year of Total Cholesterol Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.42e Result_Date_TCHSIU1_FollowUpDays (Days of follow up from visit 1 to Total Cholesterol Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Total Cholesterol Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG1a from LIPG DATASET
[Visit 9] LIPG1a from LIPG DATASET
[Visit 7] LIPF1a from LIPF DATASET
[Visit 6] LIPF1a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] “ “

3.42f Result_Date_TCHSIU1_Year (Year of Total Cholesterol Result Date)

Description: Numeric variable that denotes the year of Total Cholesterol Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG1a from LIPG DATASET
[Visit 9] LIPG1a from LIPG DATASET
[Visit 7] LIPF1a from LIPF DATASET
[Visit 6] LIPF1a from LIPF DATASET

3.43 Triglycerides

3.43a Value_TG (Triglyceride Value (mg/dL, Plasma))

Description: Numeric variable that denotes the total triglycerides lab value

Type: Numeric

Manual Description: [Visit 10] LIPG3B from LIPG DATASET
[Visit 9] LIPG3B from LIPG DATASET
[Visit 7] LIPF3B from LIPF DATASET
[Visit 6] LIPF3B from LIPF DATASET
[Visit 5] LIP8 from LIP DATASET
[Visit 4] TGS_V4 from V1_V5_Analytes DATASET
[Visit 3] TGS_V3 from V1_V5_Analytes DATASET
[Visit 2] TGS_V2 from V1_V5_Analytes DATASET
[Visit 1] TGS_V1 from V1_V5_Analytes DATASET

3.43b Method_TG (Triglyceride Method)

Description: Character variable that denotes the method or machine used to derive the triglyceride lab value

Type: Character

Manual Description: [Visit 10] “Beckman Coulter AU480”
[Visit 9] “Beckman Coulter AU480”
[Visit 7] “Beckman Coulter AU480”
[Visit 6] “Beckman Coulter AU480”
[Visit 5] “Beckman Coulter Olympus AU 400”
[Visit 4] “ “
[Visit 3] “Beckman Coulter Discrete Analyzer (DACOS)”
[Visit 2] “Beckman Coulter Discrete Analyzer (DACOS)”
[Visit 1] “Beckman Coulter Discrete Analyzer (DACOS)”

3.43c Collect_Date_TG_FollowUpDays (Days of follow up from visit 1 to Triglyceride Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Triglyceride Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.43d Collect_Date_TG_Year (Year of Triglyceride Collection Date)

Description: Numeric variable that denotes the year of Triglyceride Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.43e Result_Date_TG_FollowUpDays (Days of follow up from visit 1 to Triglyceride Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Triglyceride Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG3a from LIPG DATASET
[Visit 9] LIPG3a from LIPG DATASET
[Visit 7] LIPF3a from LIPF DATASET

[Visit 6] LIPF3a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.43f Result_Date_TG_Year (Year of Triglyceride Result Date)

Description: Numeric variable that denotes the year of Triglyceride Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG3a from LIPG DATASET
[Visit 9] LIPG3a from LIPG DATASET
[Visit 7] LIPF3a from LIPF DATASET
[Visit 6] LIPF3a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.44 Triglycerides less than or equal to 400 mg/dL

3.44a Value_TGLEFH1 (Triglycerides less than or equal to 400 mg/dL Value (Binary, Plasma))

Description: Numeric variable that denotes the triglycerides less than or equal to 400 mg/dL lab value

Type: Binary

Algorithm: If .<Value_TG<=400 then TGLEFH1 = 1;
Else if Value_TG>400 then TGLEFH1=0;
Else if Value_TG=. then TGLEFH1=.;

Source variable(s): See Value_TG

3.44b Method_TGLEFH1 (Triglycerides less than or equal to 400 mg/dL Method)

Description: Character variable that denotes the method or machine used to derive the triglyceride less than or equal to 400 mg/dL lab value

Type: Character

Manual Description: = "Calculated Value"

3.44c Collect_Date_TGLEFH1_FUdays (Days of follow up from visit 1 to Triglycerides less than or equal to 400 mg/dL Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Triglycerides less than or equal to 400 mg/dL Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.44d Collect_Date_TGLEFH1_Year (Year of Triglycerides less than or equal to 400 mg/dL Collection Date)

Description: Numeric variable that denotes the year of Triglycerides less than or equal to 400 mg/dL Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.44e Result_Date_TGLEFH1_FollowUpDays (Days of follow up from visit 1 to Triglycerides less than or equal to 400 mg/dL Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Triglycerides less than or equal to 400 mg/dL Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG3a from LIPG DATASET
[Visit 9] LIPG3a from LIPG DATASET

[Visit 7] LIPF3a from LIPF DATASET
[Visit 6] LIPF3a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.44f Result_Date_TGLEFH1_Year (Year of Triglycerides less than or equal to 400 mg/dL Result Date)

Description: Numeric variable that denotes the year of Triglycerides less than or equal to 400 mg/dL Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG3a from LIPG DATASET
[Visit 9] LIPG3a from LIPG DATASET
[Visit 7] LIPF3a from LIPF DATASET
[Visit 6] LIPF3a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.45 Triglycerides

3.45a Value_TRGSIU1 (Triglycerides Value (SI Units, Plasma))

Description: Numeric variable that denotes the triglyceride lab value

Type: Numeric

Algorithm: TRGSIU1 = Value_TG*CF_trig;
CF_trig=0.01129

Source variable(s): See Value_TG

3.45b Method_TRGSIU1 (Triglycerides SI Units Method)

Description: Character variable that denotes the method or machine used to derive the triglyceride lab value

Type: Character

Manual Description: = "Calculated Value"

3.45c Collect_Date_TRGSIU1_FUdays (Days of follow up from visit 1 to Triglycerides SI Units Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Triglycerides SI Units Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.45d Collect_Date_TRGSIU1_Year (Year of Triglycerides SI Units Collection Date)

Description: Numeric variable that denotes the year of Triglycerides SI Units Collection Date

Type: Numeric

Manual Description: [Visit 10] BIO0a from BIO DATASET
[Visit 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 3] FTRC1 from FTRC04_02 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.45e Result_Date_TRGSIU1_FollowUpDays (Days of follow up from visit 1 to Triglycerides SI Units Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Triglycerides SI Units Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG3a from LIPG DATASET
[Visit 9] LIPG3a from LIPG DATASET
[Visit 7] LIPF3a from LIPF DATASET

[Visit 6] LIPF3a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.45f Result_Date_TRGSIU1_Year (Year of Triglycerides SI Units Result Date)

Description: Numeric variable that denotes the year of Triglycerides SI Units Result Date

Type: Numeric

Manual Description: [Visit 10] LIPG3a from LIPG DATASET
[Visit 9] LIPG3a from LIPG DATASET
[Visit 7] LIPF3a from LIPF DATASET
[Visit 6] LIPF3a from LIPF DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 3] LIPC6 from LIPC04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "

3.46 HS Troponin

3.46a Value_TROP (HS Troponin Value (mcg/L, Plasma))

Description: Numeric variable that denotes the total HS Troponin lab value

Type: Numeric

Manual Description: [Visit 7] HS_TNT from uc8380_as2015_26_v7_p DATASET
[Visit 6] HS_TNT from uc7588_as2009_16_p DATASET
[Visit 5] LIP38 from LIP04 DATASET
[Visit 4] TROP_V4 from V1_V5_Analyte DATASET
[Visit 2] V2CTNT from uc6334_as2009_16_p

3.46b Method_TROP (Triglyceride Method)

Description: Character variable that denotes the method or machine used to derive the HS Troponin lab value

Type: Character

Manual Description: [Visit 7] "Beckman Coulter AU480"
[Visit 6] "Beckman Coulter AU480"

[Visit 5] “Beckman Coulter Olympus AU 400”
[Visit 4] “ “
[Visit 2] “Beckman Coulter Discrete Analyzer (DACOS)”

3.46c Collect_Date_TROP_FollowUpDays (Days of follow up from visit 1 to HS Troponin Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to HS Troponin Collection Date

Type: Numeric

Manual Description: [Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.46d Collect_Date_TROP_Year (Year of HS Troponin Collection Date)

Description: Numeric variable that denotes the year of HS Troponin Collection Date

Type: Numeric

Manual Description: [Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET
[Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.46e Result_Date_TROP_FollowUpDays (Days of follow up from visit 1 to HS Troponin Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to HS Troponin Result Date

Type: Numeric

Manual Description: [Visit 7] RUN_DATE from uc8380_as2015_26_v7_p DATASET
[Visit 6] RUN_DATE from uc7588_as2009_16_p DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 2] “ “

3.46f Result_Date_TROP_Year (Year of HS Troponin Result Date)

Description: Numeric variable that denotes the year of HS Troponin Result Date

Type: Numeric

Manual Description: [Visit 7] RUN_DATE from uc8380_as2015_26_v7_p DATASET
[Visit 6] RUN_DATE from uc7588_as2009_16_p DATASET
[Visit 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 2] " "

3.47 Thyroid Stimulating Hormone

3.47a Value_TSH (Thyroid Stimulating Hormone (mIU/L, Plasma))

Description: Numeric variable that denotes the Thyroid Stimulating Hormone lab value

Type: Numeric

Manual Description: [Visit 5] V5tsh from uc7991_v5data_as2009_16DATASET
[Visit 2] V2TSH from uc6334_as2009_16_p DATASET

3.47b Method_TSH (Thyroid Stimulating Hormone Method)

Description: Character variable that denotes the method or machine used to derive the Thyroid Stimulating Hormone lab value

Type: Character

Manual Description: [Visit 5] "Beckman Coulter Olympus AU 400"
[Visit 2] "Beckman Coulter Discrete Analyzer (DACOS) "

3.47c Collect_Date_TSH_FollowUpDays (Days of follow up from visit 1 to Thyroid Stimulating Hormone Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Thyroid Stimulating Hormone Collection Date

Type: Numeric

Manual Description: [Visit 5] BIO0a from BIO DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.47d Collect_Date_TSH_Year (Year of Thyroid Stimulating Hormone Collection Date)

Description: Numeric variable that denotes the year of Thyroid Stimulating Hormone Collection Date

Type: Numeric

Manual Description: [Visit 5] BIO0a from BIO DATASET
[Visit 2] FTRB01 from FTRB DATASET

3.47e Result_Date_TSH_FollowUpDays (Days of follow up from visit 1 to Thyroid Stimulating Hormone Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Thyroid Stimulating Hormone Result Date

Type: Numeric

Manual Description: [Visit 5] Not Collected
[Visit 2] Not Collected

3.47f Result_Date_TSH_Year (Year of Thyroid Stimulating Hormone Result Date)

Description: Numeric variable that denotes the year of Thyroid Stimulating Hormone Result Date

Type: Numeric

Manual Description: [Visit 5] Not Collected
[Visit 2] Not Collected

3.48 Uric Acid

3.48a Value_UR (Uric Acid Value (mg/dL, Serum))

Description: Numeric variable that denotes the total Uric Acid lab value

Type: Numeric

Manual Description: [Visit 5] CHM27 from CHM DATASET
[Visit 4] URIC_V4 from V1_V5_Analyte DATASET
[Visit 2] URIC_V2 from V1_V5_Analyte DATASET
[Visit 1] URIC_V1 from V1_V5_Analyte DATASET

3.48b Method_UR (Uric Acid Method)

Description: Character variable that denotes the method or machine used to derive the Uric Acid lab value

Type: Character

Manual Description: [Visit 5] “Roche Cobas e411”
[Visit 4] “ “
[Visit 2] “Roche Cobas-Bio”
[Visit 1] “Roche Cobas-Bio”

3.48c Collect_Date_UR_FollowUpDays (Days of follow up from visit 1 to Uric Acid Collection Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Uric Acid Collection Date

Type: Numeric

Manual Description: [Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.48d Collect_Date_UR_Year (Year of Uric Acid Collection Date)

Description: Numeric variable that denotes the year of Uric Acid Collection Date

Type: Numeric

Manual Description: [Visit 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET
[Visit 2] FTRB01 from FTRB DATASET
[Visit 1] FTRA01A from FTRA02 DATASET

3.48e Result_Date_UR_FollowUpDays (Days of follow up from visit 1 to Uric Acid Result Date)

Description: Numeric variable that denotes the days of follow up from visit 1 to Uric Acid Result Date

Type: Numeric

Manual Description: [Visit 5] CHM32a from CHM DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] “ “

3.48f Result_Date_UR_Year (Year of Uric Acid Result Date)

Description: Numeric variable that denotes the year of Uric Acid Result Date

Type: Numeric

Manual Description: [Visit 5] CHM32a from CHM DATASET
[Visit 4] LIPD9 from LIPD04 DATASET
[Visit 2] LIPB07 from LIPB07 DATASET
[Visit 1] " "