



Atherosclerosis Risk in Communities Study

Cohort Exam Visit 1 – 9 (Excluding 8) NCS

Longitudinal Lab np Dataset

(LONGLABV1V9_np_YYMMDD) Variable

Dictionary (v1.0)

March 2024

ARIC LONGLABV1V9_np_YYMMDD Longitudinal Lab Dataset Dictionary

Table of Contents

| | |
|--|----|
| 1. Overview | 13 |
| 2. Administrative and Fasting Information | 17 |
| 2.1 SUBJECTID (ARIC Subject ID (CIR)) | 17 |
| 2.2 Visit (Visit) | 17 |
| 2.3 Fasting_Time (Fasting Time) | 17 |
| 2.4 Fast08 (Fasted more than 8 hours) | 18 |
| 2.5 Fast12 (Faster more than 12 hours) | 18 |
| 3. Analytes | 19 |
| 3.1 1,5-ANHYDROGLUCITOL | 19 |
| 3.1a Value_1_5_AG (1,5-anhydroglucitol Value (ug/mL, Serum)) | 19 |
| 3.1b Method_1_5_AG (1,5-anhydroglucitol Method) | 19 |
| 3.1c Collect_Date_1_5_AG_FollowUpDays (Days of follow up from visit 1 to 1,5-anhydroglucitol Collection Date) | 19 |
| 3.1d Collect_Date_1_5_AG_year (Year of 1,5-anhydroglucitol Collection Date) | 19 |
| 3.1e Result_Date_1_5_AG_FollowUpDays (Days of follow up from visit 1 to 1,5-anhydroglucitol Result Date) | 20 |
| 3.1f Result_Date_1_5_AG_Year (Year of 1,5-anhydroglucitol Result Date) | 20 |
| 3.2 Glycated Albumin | 20 |
| 3.2a Value_AA1b (Albumin Value (for glycated albumin) (umol/L, Serum)) | 20 |
| 3.2b Method_AA1b (Albumin AA1b (for glycated albumin)) | 20 |
| 3.2c Collect_Date_AA1b_FollowUpDays (Days of follow up from visit 1 to Albumin Collection Date) | 21 |
| 3.2d Collect_Date_AA1b_Year (Year of Albumin Collection Date) | 21 |
| 3.2e Result_Date_AA1b_FollowUpDays (Days of follow up from visit 1 to Albumin Result Date) | 21 |
| 3.2f Result_Date_AA1b_Year (Year of Albumin Result Date) | 21 |
| 3.3 Albumin/Creatinine Ratio | 22 |
| 3.3a Value_ACR (Albumin/Creatinine Ratio (mg/g, Urine)) | 22 |

| | | |
|------|---|----|
| 3.3b | Method_ACR (Albumin/Creatinine Ratio Method) | 22 |
| 3.3c | Collect_Date_ACR_FollowUpDays (Days of follow up from visit 1 to Albumin/Creatinine Ratio Collection Date)..... | 22 |
| 3.3d | Collect_Date_ACR_Year (Year of Albumin/Creatinine Ratio Collection Date)..... | 22 |
| 3.3e | Result_Date_ACR_FollowUpDays (Days of follow up from visit 1 to Albumin/Creatinine Ratio Result Date) | 23 |
| 3.3f | Result_Date_ACR_Year (Year of Albumin/Creatinine Ratio Result Date) | 23 |
| 3.4 | Serum Albumin..... | 23 |
| 3.4a | Value_Alb (Serum Albumin Value (g/dL, Serum)) | 23 |
| 3.4b | Method_Alb (Serum Albumin Method)..... | 23 |
| 3.4c | Collect_Date_Alb_FollowUpDays (Days of follow up from visit 1 to Serum Albumin Collection Date)..... | 24 |
| 3.4d | Collect_Date_Alb_Year (Year of Serum Albumin Collection Date) | 24 |
| 3.4e | Result_Date_Alb_FollowUpDays (Days of follow up from visit 1 to Serum Albumin Result Date)..... | 24 |
| 3.4f | Result_Date_Alb_Year (Year of Serum Albumin Result Date)..... | 24 |
| 3.5 | Urine Albumin..... | 25 |
| 3.5a | Value_Alb_Ur (Albumin Value (mg/L, Urine)) | 25 |
| 3.5b | Method_Alb_Ur (Albumin Method)..... | 25 |
| 3.5c | Collect_Date_Alb_Ur_FollowUpDays (Days of follow up from visit 1 to Albumin Urine Collection Date)..... | 25 |
| 3.5d | Collect_Date_Alb_Ur_Year (Year of Albumin Urine Collection Date)..... | 25 |
| 3.5e | Result_Date_Alb_Ur_FollowUpDays (Days of follow up from visit 1 to Albumin Urine Result Date)..... | 26 |
| 3.5f | Result_Date_Alb_Ur_Year (Year of Albumin Urine Result Date) | 26 |
| 3.6 | Alanine Transferase | 26 |
| 3.6a | Value_ALT (Alanine transferase Value (U/L, Serum)) | 26 |
| 3.6b | Method_ALT (Alanine transferase Method) | 26 |
| 3.6c | Collect_Date_ALT_FollowUpDays (Days of follow up from visit 1 to Alanine transferase Collection Date)..... | 26 |
| 3.6d | Collect_Date_ALT_Year (Year of Alanine transferase Collection Date)..... | 27 |
| 3.6e | Result_Date_ALT_FollowUpDays (Days of follow up from visit 1 to Alanine transferase Result Date)..... | 27 |
| 3.6f | Result_Date_ALT_Year (Year of Alanine transferase Result Date) | 28 |
| 3.7 | Aspartate Transaminase | 28 |
| 3.7a | Value_AST (Aspartate transaminase Value (U/L, Serum)) | 28 |

| | | |
|-------|--|----|
| 3.7b | Method_AST (Aspartate transaminase Method)..... | 28 |
| 3.7c | Collect_Date_AST_FollowUpDays (Days of follow up from visit 1 to Aspartate transaminase Collection Date)..... | 28 |
| 3.7d | Collect_Date_AST_Year (Year of Aspartate transaminase Collection Date) | 29 |
| 3.7e | Result_Date_AST_FollowUpDays (Days of follow up from visit 1 to Aspartate transaminase Result Date) | 29 |
| 3.7f | Result_Date_AST_Year (Year of Aspartate transaminase Result Date) | 29 |
| 3.8 | Beta-2 Microglobulin | 29 |
| 3.8a | Value_B2M (Beta-2 Microglobulin Value (mg/L, Serum))..... | 29 |
| 3.8b | Method_B2M (Beta-2 Microglobulin Method) | 30 |
| 3.8c | Collect_Date_B2M_FollowUpDays (Days of follow up from visit 1 to Beta-2 Microglobulin Collection Date)..... | 30 |
| 3.8d | Collect_Date_B2M_Year (Year of Beta-2 Microglobulin Collection Date)..... | 30 |
| 3.8e | Result_Date_B2M_FollowUpDays (Days of follow up from visit 1 to Beta-2 Microglobulin Result Date)..... | 30 |
| 3.8f | Result_Date_B2M_Year (Year of Beta-2 Microglobulin Result Date) | 31 |
| 3.9 | Urine Creatinine | 31 |
| 3.9a | Value_Cr_Ur (Creatinine Value (mg/dL, Urine)) | 31 |
| 3.9b | Method_Cr_Ur (Creatinine Method)..... | 31 |
| 3.9c | Collect_Date_Cr_Ur_FollowUpDays (Days of follow up from visit 1 to Creatinine Collection Date)..... | 31 |
| 3.9d | Collect_Date_Cr_Ur_Year (Year of Creatinine Collection Date) | 32 |
| 3.9e | Result_Date_Cr_Ur_FollowUpDays (Days of follow up from visit 1 to Creatinine Result Date) .. | 32 |
| 3.9f | Result_Date_Cr_Ur_Year (Year of Creatinine Result Date)..... | 32 |
| 3.10 | Cystatin C..... | 32 |
| 3.10a | Value_CysC (Cystatin C Value (mg/L, Serum))..... | 32 |
| 3.10b | Method_CysC (Cystatin C Method) | 33 |
| 3.10c | Collect_Date_CysC_FollowUpDays (Days of follow up from visit 1 to Cystatin-C Collection Date)..... | 33 |
| 3.10d | Collect_Date_CysC_Year (Year of Cystatin-C Collection Date)..... | 33 |
| 3.10e | Result_Date_CysC_FollowUpDays (Days of follow up from visit 1 to Cystatin-C Result Date) ... | 33 |
| 3.10f | Result_Date_CysC_Year (Year of Cystatin-C Result Date) | 34 |
| 3.11 | Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine-Cystatin Equation 2021) | 34 |
| 3.11a | Value_EGFR2 (Estimated Glomerular Filtration Rate Value (MI/Min/1.73m2, Ckd-Epi Creatinine-Cystatin Equation 2021))..... | 34 |

| | | |
|-------|---|----|
| 3.11b | Method_EGFR2 (Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine-Cystatin Equation 2021) Method) | 35 |
| 3.11c | Collect_Date_EGFR2_FollowUpDays (Days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine-Cystatin Equation 2021) Collection Date)..... | 35 |
| 3.11d | Collect_Date_EGFR2_Year (Year of Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine-Cystatin Equation 2021) Collection Date) | 35 |
| 3.11e | Result_Date_EGFR2_FollowUpDays (Days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine-Cystatin Equation 2021) Result Date) | 36 |
| 3.11f | Result_Date_EGFR2_Year (Year of Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine-Cystatin Equation 2021) Result Date)..... | 36 |
| 3.12 | Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine 2009) | 36 |
| 3.12a | Value_EGFR1 (Estimated Glomerular Filtration Rate Value (MI/Min/1.73m ² , Ckd-Epi Creatinine 2009)) | 36 |
| 3.12b | Method_EGFR1 (Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine 2009) Method) | 37 |
| 3.12c | Collect_Date_EGFR1_FUdays (Days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine 2009) Collection Date) | 37 |
| 3.12d | Collect_Date_EGFR1_Year (Year of Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine 2009) Collection Date) | 38 |
| 3.12e | Result_Date_EGFR1_FollowUpDays (Days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine 2009) Result Date) | 38 |
| 3.12f | Result_Date_EGFR1_Year (Year of Estimated Glomerular Filtration Rate (Ckd-Epi Creatinine 2009) Result Date)..... | 38 |
| 3.13 | Estimated Glomerular Filtration Rate (Ckd-Epi Cystatin Equation 2012) | 39 |
| 3.13a | Value_EGFR2 (Estimated Glomerular Filtration Rate Value (MI/Min/1.73m ² , Ckd-Epi Cystatin Equation 2012))..... | 39 |
| 3.13b | Method_EGFR2 (Estimated Glomerular Filtration Rate (Ckd-Epi Cystatin Equation 2012) Method) | 39 |
| 3.13c | Collect_Date_EGFR2_FUdays (Days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Cystatin Equation 2012) Collection Date) | 39 |
| 3.13d | Collect_Date_EGFR2_Year (Year of Estimated Glomerular Filtration Rate (Ckd-Epi Cystatin Equation 2012) Collection Date) | 40 |
| 3.13e | Result_Date_EGFR2_FUDays (Days of follow up from visit 1 to Estimated Glomerular Filtration Rate (Ckd-Epi Cystatin Equation 2012) Result Date) | 40 |
| 3.13f | Result_Date_EGFR2_Year (Year of Estimated Glomerular Filtration Rate (Ckd-Epi Cystatin Equation 2012) Result Date)..... | 40 |
| 3.14 | Fructosamine..... | 41 |
| 3.14a | Value_FRU (Fructosamine Value (µmol/L, Serum)) | 41 |
| 3.14b | Method_FRU (Fructosamine Method) | 41 |
| 3.14c | Collect_Date_FRU_FollowUpDays (Days of follow up from visit 1 to Fructosamine Collection Date)..... | 41 |

| | | |
|-------|---|----|
| 3.14d | Collect_Date_FRU_Year (Year of Fructosamine Collection Date) | 41 |
| 3.14e | Result_Date_FRU_FollowUpDays (Days of follow up from visit 1 to Fructosamine Result Date)..... | 42 |
| 3.14f | Result_Date_FRU_Year (Year of Fructosamine Result Date) | 42 |
| 3.15 | Glycated Albumin | 42 |
| 3.15a | Value_GA (Glycated Albumin Value (g/dL, Serum))..... | 42 |
| 3.15b | Method_GA (Glycated Albumin Method) | 42 |
| 3.15c | Collect_Date_GA_FollowUpDays (Days of follow up from visit 1 to Glycated Albumin Collection Date)..... | 43 |
| 3.15d | Collect_Date_GA_Year (Year of Glycated Albumin Collection Date)..... | 43 |
| 3.15e | Result_Date_GA_FollowUpDays (Days of follow up from visit 1 to Glycated Albumin Result Date)..... | 43 |
| 3.15f | Result_Date_GA_Year (Year of Glycated Albumin Result Date) | 43 |
| 3.16 | Glycated Albumin Percentage..... | 44 |
| 3.16a | Value_GA_percent (Glycated Albumin Value (% , Serum)) | 44 |
| 3.16b | Method_GA_percent (Glycated Albumin Method) | 44 |
| 3.16c | Collect_Date_GA_percent_FollowUpDays (Days of follow up from visit 1 to Glycated Albumin % Collection Date) | 44 |
| 3.16d | Collect_Date_GA_percent_Year (Year of Glycated Albumin % Collection Date) | 44 |
| 3.16e | Result_Date_GA_percent_FollowUpDays (Days of follow up from visit 1 to Glycated Albumin % Result Date) | 45 |
| 3.16f | Result_Date_GA_percent_Year (Year of Glycated Albumin % Result Date)..... | 45 |
| 3.17 | G-glutamyl Transferase..... | 45 |
| 3.17a | Value_GGT (G-glutamyl transferase Value (U/L, Serum)) | 45 |
| 3.17b | Method_GGT (G-glutamyl transferase Method) | 45 |
| 3.17c | Collect_Date_GGT_FollowUpDays (Days of follow up from visit 1 to G-glutamyl transferase Collection Date)..... | 46 |
| 3.17d | Collect_Date_GGT_Year (Year of G-glutamyl transferase Collection Date) | 46 |
| 3.17e | Result_Date_GGT_FollowUpDays (Days of follow up from visit 1 to G-glutamyl transferase Result Date) | 46 |
| 3.17f | Result_Date_GGT_Year (Year of G-glutamyl transferase Result Date) | 46 |
| 3.18 | Glucose | 47 |
| 3.18a | Value_Glu (Glucose Value (mg/dL, Serum)) | 47 |
| 3.18b | Method_Glu (Glucose Method) | 47 |
| 3.18c | Collect_Date_Glu_FollowUpDays (Days of follow up from visit 1 to Glucose Collection Date) ... | 47 |

| | | |
|-------|---|----|
| 3.18d | Collect_Date_Glu_Year (Year of Glucose Collection Date) | 48 |
| 3.18e | Result_Date_Glu_FollowUpDays (Days of follow up from visit 1 to Glucose Result Date) | 48 |
| 3.18f | Result_Date_Glu_Year (Year of Glucose Result Date) | 48 |
| 3.19 | Glucose | 49 |
| 3.19a | Value_GLUSIU1 (Glucose Value (SI Units, Serum)) | 49 |
| 3.19b | Method_GLUSIU1 (Glucose SI Units Method) | 49 |
| 3.19c | Collect_Date_GLUSIU1_FUdays (Days of follow up from visit 1 to Glucose SI Units Collection Date) | 49 |
| 3.19d | Collect_Date_GLUSIU1_Year (Year of Glucose SI Units Collection Date) | 49 |
| 3.19e | Result_Date_GLUSIU1_FollowUpDays (Days of follow up from visit 1 to Glucose SI Units Result Date) | 50 |
| 3.19f | Result_Date_GLUSIU1_Year (Year of Glucose SI Units Result Date) | 50 |
| 3.20 | Hemoglobin A1C | 50 |
| 3.20a | Value_HbA1c (Hemoglobin A1C Value (% , Whole Blood)) | 51 |
| 3.20b | Method_HbA1c (Hemoglobin A1C Method) | 51 |
| 3.20c | Collect_Date_HbA1c_FollowUpDays (Days of follow up from visit 1 to Hemoglobin A1C Collection Date) | 51 |
| 3.20d | Collect_Date_HbA1c_Year (Year of Hemoglobin A1C Collection Date) | 51 |
| 3.20e | Result_Date_HbA1c_FollowUpDays (Days of follow up from visit 1 to Hemoglobin A1C Result Date) | 51 |
| 3.20f | Result_Date_HbA1c_Year (Year of Hemoglobin A1C Result Date) | 52 |
| 3.21 | High-Density Lipoprotein Cholesterol | 52 |
| 3.21a | Value_HDL (High Density Lipoprotein Cholesterol Value (mg/dL, Plasma)) | 52 |
| 3.21b | Method_HDL (High Density Lipoprotein Cholesterol Method) | 52 |
| 3.21c | Collect_Date_HDL_FollowUpDays (Days of follow up from visit 1 to High Density Lipoprotein Cholesterol Collection Date) | 53 |
| 3.21d | Collect_Date_HDL_Year (Year of High Density Lipoprotein Cholesterol Collection Date) | 53 |
| 3.21e | Result_Date_HDL_FollowUpDays (Days of follow up from visit 1 to High Density Lipoprotein Cholesterol Result Date) | 53 |
| 3.21f | Result_Date_HDL_Year (Year of High Density Lipoprotein Cholesterol Result Date) | 54 |
| 3.22 | High-Density Lipoprotein Cholesterol | 54 |
| 3.22a | Value_HDLSIU1 (High Density Lipoprotein Cholesterol Value (SI Units, Plasma)) | 54 |
| 3.22b | Method_HDLSIU1 (High Density Lipoprotein Cholesterol SI Units Method) | 54 |
| 3.22c | Collect_Date_HDLSIU1_FUdays (Days of follow up from visit 1 to High Density Lipoprotein Cholesterol SI Units Collection Date) | 55 |

| | | |
|-------|--|----|
| 3.22d | Collect_Date_HDLSIU1_Year (Year of High Density Lipoprotein Cholesterol SI Units Collection Date)..... | 55 |
| 3.22e | Result_Date_HDLSIU1_FollowUpDays (Days of follow up from visit 1 to High Density Lipoprotein Cholesterol SI Units Result Date) | 55 |
| 3.22f | Result_Date_HDLSIU1_Year (Year of High Density Lipoprotein Cholesterol SI Units Result Date)..... | 56 |
| 3.23 | Hemoglobin | 56 |
| 3.23a | Value_HGB (Hemoglobin Value (g/dL, Whole Blood)) | 56 |
| 3.23b | Method_HGB (Hemoglobin Method)..... | 56 |
| 3.23c | Collect_Date_HGB_FollowUpDays (Days of follow up from visit 1 to Hemoglobin Collection Date)..... | 57 |
| 3.23d | Collect_Date_HGB_Year (Year of Hemoglobin Collection Date) | 57 |
| 3.23e | Result_Date_HGB_FollowUpDays (Days of follow up from visit 1 to Hemoglobin Result Date) | 57 |
| 3.23f | Result_Date_HGB_Year (Year of Hemoglobin Result Date)..... | 57 |
| 3.24 | Hyperlipidemia Version 1 (LDL > 130) | 58 |
| 3.24a | Value_HLD1 (Hyperlipidemia version 1 (LDL>130) Value (Binary, Plasma))..... | 58 |
| 3.24b | Method_HLD1 (Hyperlipidemia version 1 (LDL>130) Method)..... | 58 |
| 3.24c | Collect_Date_HLD1_FollowUpDays (Days of follow up from visit 1 to Hyperlipidemia version 1 (LDL>130) Collection Date) | 59 |
| 3.24d | Collect_Date_HLD1_Year (Year of Hyperlipidemia version 1 (LDL>130) Collection Date) | 59 |
| 3.24e | Result_Date_HLD1_FollowUpDays (Days of follow up from visit 1 to Hyperlipidemia version 1 (LDL>130) Result Date) | 59 |
| 3.24f | Result_Date_HLD1_Year (Year of Hyperlipidemia version 1 (LDL>130) Result Date)..... | 60 |
| 3.25 | Hyperlipidemia Version 2 (LDL > 100) | 60 |
| 3.25a | Value_HLD2 (Hyperlipidemia version 2 (LDL>100) Value (Binary, Plasma))..... | 60 |
| 3.25b | Method_HLD2 (Hyperlipidemia version 2 (LDL>100) Method)..... | 61 |
| 3.25c | Collect_Date_HLD2_FollowUpDays (Days of follow up from visit 1 to Hyperlipidemia version 2 (LDL>100) Collection Date) | 61 |
| 3.25d | Collect_Date_HLD2_Year (Year of Hyperlipidemia version 2 (LDL>100) Collection Date) | 61 |
| 3.25e | Result_Date_HLD2_FollowUpDays (Days of follow up from visit 1 to Hyperlipidemia version 2 (LDL>100) Result Date) | 62 |
| 3.25f | Result_Date_HLD2_Year (Year of Hyperlipidemia version 2 (LDL>100) Result Date)..... | 62 |
| 3.26 | High Sensitive C-Reactive Protein | 63 |
| 3.26a | Value_hs_CRP (High Sensitive C-Reactive Protein Value (mg/L, Plasma)) | 63 |
| 3.26b | Method_hs_CRP (High Sensitive C-Reactive Protein Method)..... | 63 |

| | | |
|-------|---|----|
| 3.26c | Collect_Date_hs_CRP_FollowUpDays (Days of follow up from visit 1 to High Sensitive C-Reactive Protein Collection Date) | 63 |
| 3.26d | Collect_Date_hs_CRP_Year (Year of High Sensitive C-Reactive Protein Collection Date) | 63 |
| 3.26e | Result_Date_hs_CRP_FollowUpDays (Days of follow up from visit 1 to High Sensitive C-Reactive Protein Result Date)..... | 64 |
| 3.26f | Result_Date_hs_CRP_Year (Year of High Sensitive C-Reactive Protein Result Date)..... | 64 |
| 3.27 | Potassium..... | 64 |
| 3.27a | Value_K (Potassium Value (mmol/L, Serum)) | 64 |
| 3.27b | Method_K (Potassium Method)..... | 65 |
| 3.27c | Collect_Date_K_FollowUpDays (Days of follow up from visit 1 to Potassium Collection Date) ... | 65 |
| 3.27d | Collect_Date_K_Year (Year of Potassium Collection Date) | 65 |
| 3.27e | Result_Date_K_FollowUpDays (Days of follow up from visit 1 to Potassium Result Date) | 65 |
| 3.27f | Result_Date_K_Year (Year of Potassium Result Date) | 66 |
| 3.28 | Low-Density Lipoprotein Cholesterol | 66 |
| 3.28a | Value_LDL (Low Density Lipoprotein Cholesterol Value (mg/dL, Plasma)) | 66 |
| 3.28b | Method_LDL (Low Density Lipoprotein Cholesterol Method) | 66 |
| 3.28c | Collect_Date_LDL_FollowUpDays (Days of follow up from visit 1 to Low Density Lipoprotein Cholesterol Collection Date) | 66 |
| 3.28d | Collect_Date_LDL_Year (Year of Low Density Lipoprotein Cholesterol Collection Date)..... | 67 |
| 3.28e | Result_Date_LDL_FollowUpDays (Days of follow up from visit 1 to Low Density Lipoprotein Cholesterol Result Date) | 67 |
| 3.28f | Result_Date_LDL_Year (Year of Low Density Lipoprotein Cholesterol Result Date) | 67 |
| 3.29 | Low-Density Lipoprotein Cholesterol Recalibrated | 68 |
| 3.29a | Value_LDL2 (Low Density Lipoprotein Cholesterol Recalibrated Value (mg/dL, Plasma)) | 68 |
| 3.29b | Method_LDL2 (Low Density Lipoprotein Cholesterol Recalibrated Method) | 68 |
| 3.29c | Collect_Date_LDL2_FollowUpDays (Days of follow up from visit 1 to Low Density Lipoprotein Cholesterol Recalibrated Collection Date) | 68 |
| 3.29d | Collect_Date_LDL2_Year (Year of Low Density Lipoprotein Cholesterol Recalibrated Collection Date)..... | 69 |
| 3.29e | Result_Date_LDL2_FollowUpDays (Days of follow up from visit 1 to Low Density Lipoprotein Cholesterol Recalibrated Result Date)..... | 69 |
| 3.29f | Result_Date_LDL2_Year (Year of Low Density Lipoprotein Cholesterol Recalibrated Result Date)..... | 69 |
| 3.30 | Low-Density Lipoprotein Cholesterol | 70 |
| 3.30a | Value_LDLSIU1 (Low Density Lipoprotein Cholesterol Value (SI Units, Plasma))..... | 70 |
| 3.30b | Method_LDLSIU1 (Low Density Lipoprotein Cholesterol SI units Method) | 70 |

| | | |
|-------|---|----|
| 3.30c | Collect_Date_LDLSIU1_FUdays (Days of follow up from visit 1 to Low Density Lipoprotein Cholesterol SI units Collection Date) | 70 |
| 3.30d | Collect_Date_LDLSIU1_Year (Year of Low Density Lipoprotein Cholesterol SI units Collection Date)..... | 71 |
| 3.30e | Result_Date_LDLSIU1_FollowUpDays (Days of follow up from visit 1 to Low Density Lipoprotein Cholesterol SI units Result Date) | 71 |
| 3.30f | Result_Date_LDLSIU1_Year (Year of Low Density Lipoprotein Cholesterol SI units Result Date)..... | 71 |
| 3.31 | Magnesium..... | 72 |
| 3.31a | Value_Mg (Magnesium Value (mg/dL, Serum))..... | 72 |
| 3.31b | Method_Mg (Magnesium Method) | 72 |
| 3.31c | Collect_Date_Mg_FollowUpDays (Days of follow up from visit 1 to Magnesium Collection Date)..... | 72 |
| 3.31d | Collect_Date_Mg_Year (Year of Magnesium Collection Date)..... | 73 |
| 3.31e | Result_Date_Mg_FollowUpDays (Days of follow up from visit 1 to Magnesium Result Date) | 73 |
| 3.31f | Result_Date_Mg_Year (Year of Magnesium Result Date) | 73 |
| 3.32 | Non High-Density Lipoprotein Cholesterol..... | 73 |
| 3.32a | Value_non_HDL (Non High Density Lipoprotein Cholesterol Value (mg/dL, Plasma)) | 73 |
| 3.32b | Method_non_HDL (Non High Density Lipoprotein Cholesterol Method) | 74 |
| 3.32c | Collect_Date_non_HDL_FUdays (Days of follow up from visit 1 to Non High Density Lipoprotein Cholesterol Collection Date) | 74 |
| 3.32d | Collect_Date_non_HDL_Year (Year of Non High Density Lipoprotein Cholesterol Collection Date)..... | 74 |
| 3.32e | Result_Date_non_HDL_FollowUpDays (Days of follow up from visit 1 to Non High Density Lipoprotein Cholesterol Result Date) | 74 |
| 3.32f | Result_Date_non_HDL_Year (Year of Non High Density Lipoprotein Cholesterol Result Date) | 75 |
| 3.33 | Natriuretic Peptide Tests..... | 75 |
| 3.33a | Value_proBNP (Natriuretic Peptide Tests Value (pg/mL, Plasma))..... | 75 |
| 3.33b | Method_proBNP (Natriuretic Peptide Tests Method)..... | 75 |
| 3.33c | Collect_Date_proBNP_FollowUpDays (Days of follow up from visit 1 to Natriuretic Peptide Tests Collection Date) | 75 |
| 3.33d | Collect_Date_proBNP_Year (Year of Natriuretic Peptide Tests Collection Date) | 75 |
| 3.33e | Result_Date_proBNP_FollowUpDays (Days of follow up from visit 1 to Natriuretic Peptide Tests Result Date) | 76 |
| 3.33f | Result_Date_proBNP_Year (Year of Natriuretic Peptide Tests Result Date) | 76 |
| 3.34 | Creatinine | 76 |
| 3.34a | Value_sCr (Creatinine Value (mg/dL, Serum)) | 76 |

| | | |
|-------|--|----|
| 3.34b | Method_sCr (Creatinine Method)..... | 77 |
| 3.34c | Collect_Date_sCr_FollowUpDays (Days of follow up from visit 1 to Creatinine Collection Date)..... | 77 |
| 3.34d | Collect_Date_sCr_Year (Year of Creatinine Collection Date) | 77 |
| 3.34e | Result_Date_sCr_FollowUpDays (Days of follow up from visit 1 to Creatinine Result Date) | 78 |
| 3.34f | Result_Date_sCr_Year (Year of Creatinine Result Date)..... | 78 |
| 3.35 | Total Cholesterol | 78 |
| 3.35a | Value_TC (Total Cholesterol Value (mg/dL, Plasma))..... | 78 |
| 3.35b | Method_TC (Total Cholesterol Method)..... | 79 |
| 3.35c | Collect_Date_TC_FollowUpDays (Days of follow up from visit 1 to Total Cholesterol Collection Date)..... | 79 |
| 3.35d | Collect_Date_TC_Year (Year of Total Cholesterol Collection Date) | 79 |
| 3.35e | Result_Date_TC_FollowUpDays (Days of follow up from visit 1 to Total Cholesterol Result Date)..... | 80 |
| 3.35f | Result_Date_TC_Year (Year of Total Cholesterol Result Date)..... | 80 |
| 3.36 | Total Cholesterol | 80 |
| 3.36a | Value_TCHSIU1 (Total Cholesterol Value (SI Units, Plasma)) | 80 |
| 3.36b | Method_TCHSIU1 (Total Cholesterol Method) | 81 |
| 3.36c | Collect_Date_TCHSIU1_FUdays (Days of follow up from visit 1 to Total Cholesterol Collection Date)..... | 81 |
| 3.36d | Collect_Date_TCHSIU1_Year (Year of Total Cholesterol Collection Date) | 81 |
| 3.36e | Result_Date_TCHSIU1_FollowUpDays (Days of follow up from visit 1 to Total Cholesterol Result Date) | 81 |
| 3.36f | Result_Date_TCHSIU1_Year (Year of Total Cholesterol Result Date)..... | 82 |
| 3.37 | Triglycerides | 82 |
| 3.37a | Value_TG (Triglyceride Value (mg/dL, Plasma)) | 82 |
| 3.37b | Method_TG (Triglyceride Method) | 82 |
| 3.37c | Collect_Date_TG_FollowUpDays (Days of follow up from visit 1 to Triglyceride Collection Date)..... | 83 |
| 3.37d | Collect_Date_TG_Year (Year of Triglyceride Collection Date)..... | 83 |
| 3.37e | Result_Date_TG_FollowUpDays (Days of follow up from visit 1 to Triglyceride Result Date) | 83 |
| 3.37f | Result_Date_TG_Year (Year of Triglyceride Result Date) | 84 |
| 3.38 | Triglycerides less than or equal to 400 mg/dL | 84 |
| 3.38a | Value_TGLEFH1 (Triglycerides less than or equal to 400 mg/dL Value (Binary, Plasma)) | 84 |
| 3.38b | Method_TGLEFH1 (Triglycerides less than or equal to 400 mg/dL Method) | 84 |

| | | |
|-------|---|----|
| 3.38c | Collect_Date_TGLEFH1_FUdays (Days of follow up from visit 1 to Triglycerides less than or equal to 400 mg/dL Collection Date)..... | 85 |
| 3.38d | Collect_Date_TGLEFH1_Year (Year of Triglycerides less than or equal to 400 mg/dL Collection Date)..... | 85 |
| 3.38e | Result_Date_TGLEFH1_FollowUpDays (Days of follow up from visit 1 to Triglycerides less than or equal to 400 mg/dL Result Date)..... | 85 |
| 3.38f | Result_Date_TGLEFH1_Year (Year of Triglycerides less than or equal to 400 mg/dL Result Date)..... | 86 |
| 3.39 | Triglycerides..... | 86 |
| 3.39a | Value_TRGSIU1 (Triglycerides Value (SI Units, Plasma))..... | 86 |
| 3.39b | Method_TRGSIU1 (Triglycerides SI Units Method)..... | 86 |
| 3.39c | Collect_Date_TRGSIU1_FUdays (Days of follow up from visit 1 to Triglycerides SI Units Collection Date)..... | 87 |
| 3.39d | Collect_Date_TRGSIU1_Year (Year of Triglycerides SI Units Collection Date)..... | 87 |
| 3.39e | Result_Date_TRGSIU1_FollowUpDays (Days of follow up from visit 1 to Triglycerides SI Units Result Date)..... | 87 |
| 3.39f | Result_Date_TRGSIU1_Year (Year of Triglycerides SI Units Result Date)..... | 88 |
| 3.40 | HS Troponin..... | 88 |
| 3.40a | Value_TROP (HS Troponin Value (mcg/L, Plasma))..... | 88 |
| 3.40b | Method_TROP (Triglyceride Method)..... | 88 |
| 3.40c | Collect_Date_TROP_FollowUpDays (Days of follow up from visit 1 to HS Troponin Collection Date)..... | 88 |
| 3.40d | Collect_Date_TROP_Year (Year of HS Troponin Collection Date)..... | 89 |
| 3.40e | Result_Date_TROP_FollowUpDays (Days of follow up from visit 1 to HS Troponin Result Date)..... | 89 |
| 3.40f | Result_Date_TROP_Year (Year of HS Troponin Result Date)..... | 89 |
| 3.41 | Uric Acid..... | 89 |
| 3.41a | Value_UR (Uric Acid Value (mg/dL, Serum))..... | 89 |
| 3.41b | Method_UR (Uric Acid Method)..... | 90 |
| 3.41c | Collect_Date_UR_FollowUpDays (Days of follow up from visit 1 to Uric Acid Collection Date) .. | 90 |
| 3.41d | Collect_Date_UR_Year (Year of Uric Acid Collection Date)..... | 90 |
| 3.41e | Result_Date_UR_FollowUpDays (Days of follow up from visit 1 to Uric Acid Result Date)..... | 90 |
| 3.41f | Result_Date_UR_Year (Year of Uric Acid Result Date)..... | 91 |

1. OVERVIEW

The LONGLABV1V9_np_yymmdd dataset contains 70,405 records, one for each participant who gave consent and completed a lab at visit 1-9, excluding visit 8. The purpose of this dataset is to provide ARIC collaborators with a comprehensive lab dataset for ARIC participants across these visits.

LONGLABV1V9_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 _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.

LONGLABV1V9_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 LONGLABV1V9

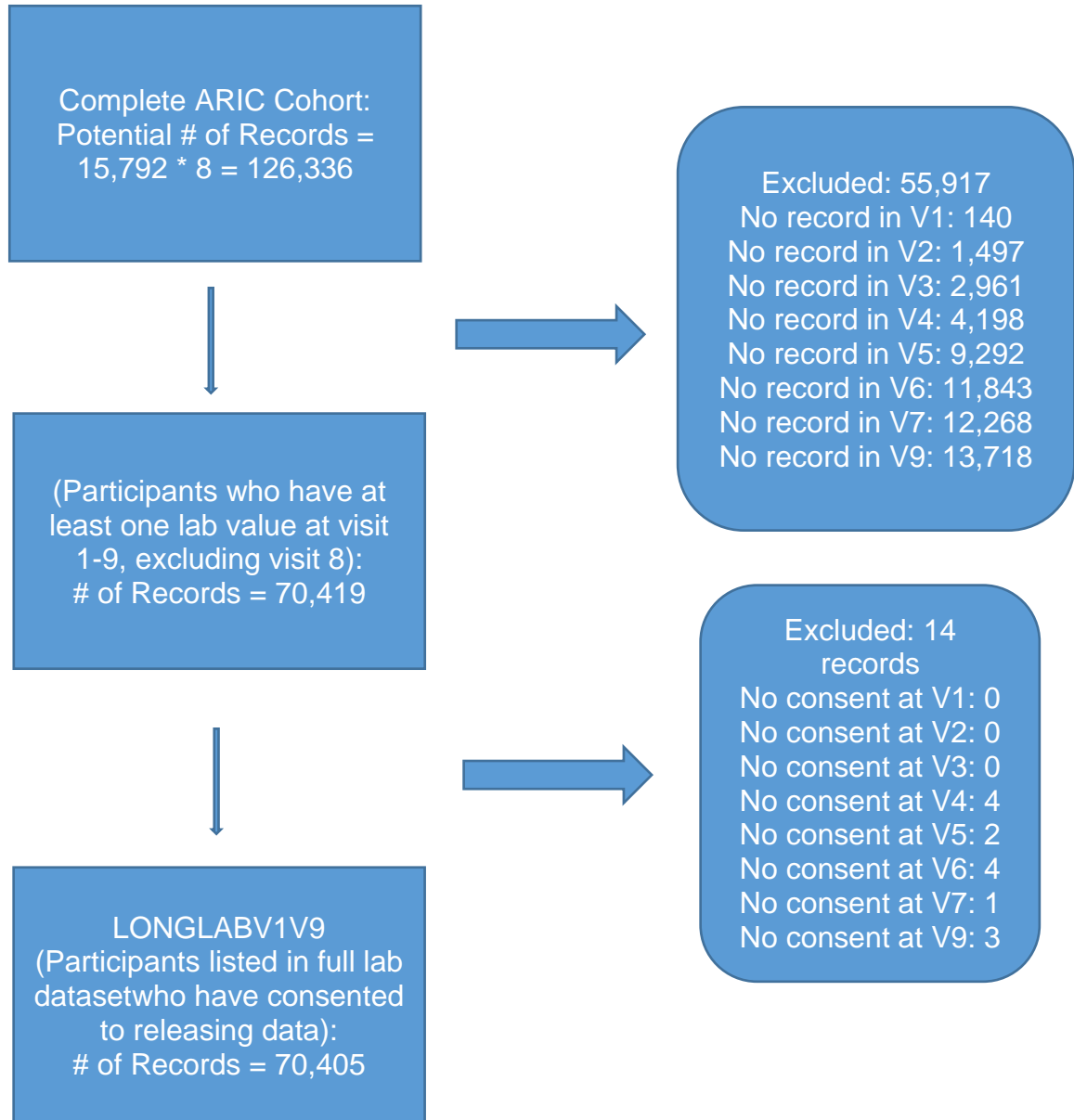
| Analyte Shorthand | Analyte Name | Units | Biospecimen Source |
|-------------------|--------------------------|--------|--------------------|
| 1_5_AG | 1,5-anhydroglucitol | ug/mL | Serum |
| AAIb | Glycated Albumin | umol/L | Serum |
| ACR | Albumin/Creatinine Ratio | mg/g | Urine |
| Alb | Serum 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 |
| Cr_Ur | Urine Creatinine | mg/dL | Urine |
| CysC | Cystatin C | mg/L | Serum |

| | | | |
|------------|--|---------------|--|
| EGFR2 | Estimated Glomerular Filtration Rate | MI/Min/1.73m2 | Serum Derived by Ckd-Epi Creatinine-Cystatin Equation 2021 |
| EGFRCR1 | Estimated Glomerular Filtration Rate | MI/Min/1.73m2 | Serum Derived by Ckd-Epi Creatinine 2009 |
| EGFRCYSC1 | Estimated Glomerular Filtration Rate | MI/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 |
| 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 |
| non_HDL | Non High-Density Lipoprotein Cholesterol | mg/dL | 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 |
| 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 8 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, or 9-
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 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 LONGLABV1V9

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 LONGLABV1V9

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 9] CHEM11 from CHEM3 DATASET
[Visit 7] CHEM11 from CHEM2 DATASET
[Visit 6] CHEM11 from CHEM2 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 9] "Roche Cobas 8000"
[Visit 7] "Roche Cobas 6000"
[Visit 6] "Roche Cobas 6000"

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 9] CHEM11B from CHEM3 DATASET
[Visit 7] CHEM11B from CHEM2 DATASET
[Visit 6] CHEM11B from CHEM2 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 9] CHEM11B from CHEM3 DATASET
[Visit 7] CHEM11B from CHEM2 DATASET
[Visit 6] CHEM11B from CHEM2 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 9] CHEM11D from CHEM3 DATASET
[Visit 7] CHEM11D from CHEM2 DATASET
[Visit 6] CHEM11D from CHEM2 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 9] CHEM11D from CHEM3 DATASET
[Visit 7] CHEM11D from CHEM2 DATASET
[Visit 6] CHEM11D from CHEM2 DATASET

3.2 Glycated Albumin

3.2a Value_AA1b (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 9] CHEM10 from CHEM3 DATASET
[Visit 7] CHEM10 from CHEM2 DATASET
[Visit 6] CHEM10 from CHEM2 DATASET

3.2b Method_AA1b (Albumin AA1b (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 9] "Roche Cobas 8000"
[Visit 7] "Roche Cobas 6000"
[Visit 6] "Roche Cobas 6000"

3.2c Collect_Date_AA1b_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 9] CHEM10B from CHEM3 DATASET
[Visit 7] CHEM10B from CHEM2 DATASET
[Visit 6] CHEM10B from CHEM2 DATASET

3.2d Collect_Date_AA1b_Year (Year of Albumin Collection Date)

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

Type: Numeric

Manual Description: [Visit 9] CHEM10B from CHEM3 DATASET
[Visit 7] CHEM10B from CHEM2 DATASET
[Visit 6] CHEM10B from CHEM2 DATASET

3.2e Result_Date_AA1b_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 9] CHEM10D from CHEM3 DATASET
[Visit 7] CHEM10D from CHEM2 DATASET
[Visit 6] CHEM10D from CHEM2 DATASET

3.2f Result_Date_AA1b_Year (Year of Albumin Result Date)

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

Type: Numeric

Manual Description: [Visit 9] CHEM10D from CHEM3 DATASET
[Visit 7] CHEM10D from CHEM2 DATASET
[Visit 6] CHEM10D from CHEM2 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 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 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 year of Albumin/Creatinine Ratio Collection Date

Type: Numeric

Manual Description: [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 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 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 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 9] "Roche Cobas 8000"
[Visit 7] Not Collected
[Visit 6] Not Collected

3.4c Collect_Date_Albumin_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 9] CHEM29 from CHEM3 DATASET
[Visit 7] Not Collected
[Visit 6] Not Collected

3.4d Collect_Date_Albumin_Year (Year of Serum Albumin Collection Date)

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

Type: Numeric

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

3.4e Result_Date_Albumin_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 9] CHEM29D from CHEM3 DATASET
[Visit 7] Not Collected
[Visit 6] Not Collected

3.4f Result_Date_Albumin_Year (Year of Serum Albumin Result Date)

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

Type: Numeric

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

3.9 Urine Creatinine

3.9a Value_Cr_Ur (Creatinine Value (mg/dL, Urine))

Description: Numeric variable that denotes the urine creatinine lab value

Type: Numeric

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

3.9b 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 9] "Roche Cobas 8000"
[Visit 7] "Roche Cobas 6000"
[Visit 6] "Roche Cobas 6000"

3.9c 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 9] CHEM4B from CHEM3 DATASET
[Visit 7] CHEM4B from CHEM2 DATASET
[Visit 6] CHEM4B from CHEM2 DATASET

3.9d 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 9] CHEM4B from CHEM3 DATASET
[Visit 7] CHEM4B from CHEM2 DATASET
[Visit 6] CHEM4B from CHEM2 DATASET

3.9e 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 9] CHEM4D from CHEM3 DATASET
[Visit 7] CHEM4D from CHEM2 DATASET
[Visit 6] CHEM4D from CHEM2 DATASET

3.9f 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 9] CHEM4D from CHEM3 DATASET
[Visit 7] CHEM4D from CHEM2 DATASET
[Visit 6] CHEM4D from CHEM2 DATASET

3.10 Cystatin C

3.10a Value_CysC (Cystatin C Value (mg/L, Serum))

Description: Numeric variable that denotes the cystatin C lab value

Type: Numeric

Manual Description: [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

3.10b 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 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"

3.10c 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 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

3.10d 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 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

3.10e 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 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

3.10f 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 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

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

3.11a Value_EGFR2 (Estimated Glomerular Filtration Rate Value (MI/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) *

$$\begin{aligned} & \min(\text{VALUE_CYSC}/0.8, 1)^{**(-0.323)} * \\ & \max(\text{VALUE_CYSC}/0.8, 1)^{**(-0.778)} * \\ & 0.9961^{**(\text{V}\&v.\text{AGE}\&v.1) * 0.963), 1); \end{aligned}$$

Source variable(s): See value_sCr and Value_cysc

3.11b 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”

3.11c 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 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

3.11d 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 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

3.11e 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 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

3.11f 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 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

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

3.12a Value_EGFR1 (Estimated Glomerular Filtration Rate Value (MI/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_EGFR1 = 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_EGFR1 = 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_EGFR1 = 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_EGFR1 = 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

3.12b Method_EGFR1 (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"

3.12c Collect_Date_EGFR1_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 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] FTTRA01A from FTTRA02 DATASET

3.12d Collect_Date_EGFR1_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 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

3.12e Result_Date_EGFR1_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 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] “ “

3.12f Result_Date_EGFR1_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 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] “ “

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

3.13a Value_EGFRCYSC1 (Estimated Glomerular Filtration Rate Value (MI/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

3.13b 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"

3.13c 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 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_EGFRCSYSC1_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 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_EGFRCSYSC1_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 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

3.13f Result_Date_EGFRCSYSC1_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 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

3.14 Fructosamine

3.14a Value_FRU (Fructosamine Value ($\mu\text{mol/L}$, Serum))

Description: Numeric variable that denotes the fructosamine lab value

Type: Numeric

Manual Description: [Visit 9] CHEM7 from CHEM3 DATASET
[Visit 7] CHEM7 from CHEM2 DATASET
[Visit 6] CHEM7 from CHEM2 DATASET

3.14b 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 9] "Roche Cobas 8000"
[Visit 7] "Roche Cobas 6000"
[Visit 6] "Roche Cobas 6000"

3.14c 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 9] CHEM7B from CHEM3 DATASET
[Visit 7] CHEM7B from CHEM2 DATASET
[Visit 6] CHEM7B from CHEM2 DATASET

3.14d 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 9] CHEM7B from CHEM3 DATASET

[Visit 7] CHEM7B from CHEM2 DATASET
[Visit 6] CHEM7B from CHEM2 DATASET

3.14e 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 9] CHEM7D from CHEM3 DATASET
[Visit 7] CHEM7D from CHEM2 DATASET
[Visit 6] CHEM7D from CHEM2 DATASET

3.14f 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 9] CHEM7D from CHEM3 DATASET
[Visit 7] CHEM7D from CHEM2 DATASET
[Visit 6] CHEM7D from CHEM2 DATASET

3.15 Glycated Albumin

3.15a 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 9] CHEM9 from CHEM3 DATASET
[Visit 7] CHEM9 from CHEM2 DATASET
[Visit 6] CHEM9 from CHEM2 DATASET

3.15b 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 9] "Roche Cobas 8000"
[Visit 7] "Roche Cobas 6000"

[Visit 6] "Roche Cobas 6000"

3.15c 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 9] CHEM9B from CHEM3 DATASET
[Visit 7] CHEM9B from CHEM2 DATASET
[Visit 6] CHEM9B from CHEM2 DATASET

3.15d 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 9] CHEM9B from CHEM3 DATASET
[Visit 7] CHEM9B from CHEM2 DATASET
[Visit 6] CHEM9B from CHEM2 DATASET

3.15e 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 9] CHEM9D from CHEM3 DATASET
[Visit 7] CHEM9D from CHEM2 DATASET
[Visit 6] CHEM9D from CHEM2 DATASET

3.15f 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 9] CHEM9D from CHEM3 DATASET
[Visit 7] CHEM9D from CHEM2 DATASET
[Visit 6] CHEM9D from CHEM2 DATASET

3.16 Glycated Albumin Percentage

3.16a Value_GA_percent (Glycated Albumin Value (%), Serum))

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

Type: Numeric

Manual Description: [Visit 9] CHEM8 from CHEM3 DATASET
[Visit 7] CHEM8 from CHEM2 DATASET
[Visit 6] CHEM8 from CHEM2 DATASET

3.16b 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 9] "Roche Cobas 8000"
[Visit 7] "Roche Cobas 6000"
[Visit 6] "Roche Cobas 6000"

3.16c 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 9] CHEM8B from CHEM3 DATASET
[Visit 7] CHEM8B from CHEM2 DATASET
[Visit 6] CHEM8B from CHEM2 DATASET

3.16d 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 9] CHEM8B from CHEM3 DATASET
[Visit 7] CHEM8B from CHEM2 DATASET
[Visit 6] CHEM8B from CHEM2 DATASET

3.16e 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 9] CHEM8D from CHEM3 DATASET
[Visit 7] CHEM8D from CHEM2 DATASET
[Visit 6] CHEM8D from CHEM2 DATASET

3.16f 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 9] CHEM8D from CHEM3 DATASET
[Visit 7] CHEM8D from CHEM2 DATASET
[Visit 6] CHEM8D from CHEM2 DATASET

3.17 G-glutamyl Transferase

3.17a 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 9] Not Collected
[Visit 7] CHEM18 from CHEM2 DATASET
[Visit 6] CHEM18 from CHEM2 DATASET

3.17b 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: = “ “

3.17c 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 9] Not Collected
[Visit 7] CHEM18B from CHEM2 DATASET
[Visit 6] CHEM18B from CHEM2 DATASET

3.17d 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 9] Not Collected
[Visit 7] CHEM18B from CHEM2 DATASET
[Visit 6] CHEM18B from CHEM2 DATASET

3.17e 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 9] Not Collected
[Visit 7] CHEM18D from CHEM2 DATASET
[Visit 6] CHEM18D from CHEM2 DATASET

3.17f 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 9] Not Collected
[Visit 7] CHEM18D from CHEM2 DATASET
[Visit 6] CHEM18D from CHEM2 DATASET

3.18 Glucose

3.18a Value_Glu (Glucose Value (mg/dL, Serum))

Description: Numeric variable that denotes the glucose lab value

Type: Numeric

Manual Description: [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

3.18b 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 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”

3.18c 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 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] FTTRA01A from FTTRA02 DATASET

3.18d 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 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] FTTRA01A from FTTRA02 DATASET

3.18e 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 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] “ “

3.18f 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 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] “ “

3.19 Glucose

3.19a 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

3.19b 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”

3.19c 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 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

3.19d 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 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

3.19e 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 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] “ “

3.19f 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 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] “ “

3.20 Hemoglobin A1C

3.20a Value_HbA1c (Hemoglobin A1C Value (% , Whole Blood))

Description: Numeric variable that denotes the hemoglobin A1C lab value

Type: Numeric

Manual Description: [Visit 9] CHEM1 from CHEM3 DATASET
[Visit 7] CHEM1 from CHEM2 DATASET
[Visit 6] CHEM1 from CHEM2 DATASET

3.20b 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 9] "Tosoh G8 (HPLC)"
[Visit 7] "Tosoh G8 (HPLC)"
[Visit 6] "Tosoh G8 (HPLC)"

3.20c 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 9] CHEM1B from CHEM3 DATASET
[Visit 7] CHEM1B from CHEM2 DATASET
[Visit 6] CHEM1B from CHEM2 DATASET

3.20d 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 9] CHEM1B from CHEM3 DATASET
[Visit 7] CHEM1B from CHEM2 DATASET
[Visit 6] CHEM1B from CHEM2 DATASET

3.20e 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 9] CHEM1D from CHEM3 DATASET
[Visit 7] CHEM1D from CHEM2 DATASET
[Visit 6] CHEM1D from CHEM2 DATASET

3.20f 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 9] CHEM1D from CHEM3 DATASET
[Visit 7] CHEM1D from CHEM2 DATASET
[Visit 6] CHEM1D from CHEM2 DATASET

3.21 High-Density Lipoprotein Cholesterol

3.21a 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 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

3.21b 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 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)"

3.21c 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 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

3.21d 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 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

3.21e 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 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] “ “

3.21f 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 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] “ “

3.22 High-Density Lipoprotein Cholesterol

3.22a 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

3.22b 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"

3.22c 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 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_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 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_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 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

3.22f 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 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

3.23 Hemoglobin

3.23a Value_HGB (Hemoglobin Value (g/dL, Whole Blood))

Description: Numeric variable that denotes the hemoglobin lab value

Type: Numeric

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

3.23b 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 9] "Sysmex XS-1000i"
[Visit 7] "Sysmex XS-1000i"

[Visit 6] "Sysmex XS-1000i"

3.23c 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 9] CHEM19B from CHEM3 DATASET
[Visit 7] CHEM19B from CHEM2 DATASET
[Visit 6] CHEM19B from CHEM2 DATASET

3.23d 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 9] CHEM19B from CHEM3 DATASET
[Visit 7] CHEM19B from CHEM2 DATASET
[Visit 6] CHEM19B from CHEM2 DATASET

3.23e 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 9] CHEM19D from CHEM3 DATASET
[Visit 7] CHEM19D from CHEM2 DATASET
[Visit 6] CHEM19D from CHEM2 DATASET

3.23f 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 9] CHEM19D from CHEM3 DATASET
[Visit 7] CHEM19D from CHEM2 DATASET
[Visit 6] CHEM19D from CHEM2 DATASET

3.24 Hyperlipidemia Version 1 (LDL > 130)

3.24a 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

3.24b 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”

3.24c 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 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_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 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_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 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] “ “

3.24f 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 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] “ “

3.25 Hyperlipidemia Version 2 (LDL > 100)

3.25a 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

3.25b 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"

3.25c 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 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_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 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_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 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] “ “

3.25f 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 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] “ “

3.26 High Sensitive C-Reactive Protein

3.26a 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 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

3.26b 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 9] "Beckman Coulter AU480"
[Visit 7] "Beckman Coulter AU480"
[Visit 6] "Beckman Coulter AU480"
[Visit 5] "Beckman Coulter Olympus AU 400"
[Visit 4] " "

3.26c 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 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

3.26d 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 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

3.26e 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 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

3.26f 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 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

3.27 Potassium

3.27a Value_K (Potassium Value (mmol/L, Serum))

Description: Numeric variable that denotes the potassium lab value

Type: Numeric

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

[Visit 6] CHEM15 from CHEM2 DATASET

3.27b 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 9] "Roche Cobas 8000"
[Visit 7] "Roche Cobas 6000"
[Visit 6] "Roche Cobas 6000"

3.27c 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 9] CHEM15B from CHEM3 DATASET
[Visit 7] CHEM15B from CHEM2 DATASET
[Visit 6] CHEM15B from CHEM2 DATASET

3.27d 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 9] CHEM15B from CHEM3 DATASET
[Visit 7] CHEM15B from CHEM2 DATASET
[Visit 6] CHEM15B from CHEM2 DATASET

3.27e 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 9] CHEM15D from CHEM3 DATASET
[Visit 7] CHEM15D from CHEM2 DATASET
[Visit 6] CHEM15D from CHEM2 DATASET

3.27f 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 9] CHEM15D from CHEM3 DATASET
[Visit 7] CHEM15D from CHEM2 DATASET
[Visit 6] CHEM15D from CHEM2 DATASET

3.28 Low-Density Lipoprotein Cholesterol

3.28a 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 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

3.28b 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"

3.28c 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 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_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 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_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 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] “ “

3.28f 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 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] “ “

3.29 Low-Density Lipoprotein Cholesterol Recalibrated

3.29a 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

3.29b 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”

3.29c 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 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

3.29d 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 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

3.29e 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 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] “ “

3.29f 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 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] “ “

3.30 Low-Density Lipoprotein Cholesterol

3.30a 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

3.30b 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”

3.30c 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 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

3.30d 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 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

3.30e 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 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] “ “

3.30f 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 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] “ “

3.31 Magnesium

3.31a Value_Mg (Magnesium Value (mg/dL, Serum))

Description: Numeric variable that denotes the magnesium lab value

Type: Numeric

Manual Description: [Visit 9] CHEM14 from CHEM3 DATASET
[Visit 7] CHEM14 from CHEM2 DATASET
[Visit 6] CHEM14 from CHEM2 DATASET

3.31b 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 9] “Roche Cobas 8000”
[Visit 7] “Roche Cobas 6000”
[Visit 6] “Roche Cobas 6000”

3.31c 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 9] CHEM14B from CHEM3 DATASET
[Visit 7] CHEM14B from CHEM2 DATASET
[Visit 6] CHEM14B from CHEM2 DATASET

3.31d 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 9] CHEM14B from CHEM3 DATASET
[Visit 7] CHEM14B from CHEM2 DATASET
[Visit 6] CHEM14B from CHEM2 DATASET

3.31e 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 9] CHEM14D from CHEM3 DATASET
[Visit 7] CHEM14D from CHEM2 DATASET
[Visit 6] CHEM14D from CHEM2 DATASET

3.31f 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 9] CHEM14D from CHEM3 DATASET
[Visit 7] CHEM14D from CHEM2 DATASET
[Visit 6] CHEM14D from CHEM2 DATASET

3.32 Non High-Density Lipoprotein Cholesterol

3.32a 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 9] LIPG5B from LIPG DATASET
[Visit 7] LIPF5B from LIPF DATASET
[Visit 6] LIPF5B from LIPF DATASET

3.32b 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"

3.32c 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 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET

3.32d 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 9] BIO0a from BIO DATASET
[Visit 7] BIO0a from BIO DATASET
[Visit 6] BIO0a from BIO DATASET

3.32e 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 9] LIPG5a from LIPG DATASET
[Visit 7] LIPF5a from LIPF DATASET
[Visit 6] LIPF5a from LIPF DATASET

3.32f 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 9] LIPG5a from LIPG DATASET
[Visit 7] LIPF5a from LIPF DATASET
[Visit 6] LIPF5a from LIPF DATASET

3.33 Natriuretic Peptide Tests

3.33a 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 5] LIP43 from LIP04 DATASET
[Visit 4] PRO_BNP_V4 from V1_V5_Analyte DATASET

3.33b 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 5] "Beckman Coulter Olympus AU 400"
[Visit 4] " "

3.33c 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 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET

3.33d 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 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET

3.33e 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 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET

3.33f 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 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET

3.34 Creatinine

3.34a Value_sCr (Creatinine Value (mg/dL, Serum))

Description: Numeric variable that denotes the creatinine lab value

Type: Numeric

Manual Description: [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

3.34b 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 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"

3.34c 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 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

3.34d 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 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

3.34e **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 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] “ “

3.34f **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 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] “ “

3.35 **Total Cholesterol**

3.35a **Value_TC (Total Cholesterol Value (mg/dL, Plasma))**

Description: Numeric variable that denotes the total cholesterol lab value

Type: Numeric

Manual Description: [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

3.35b 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 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)"

3.35c 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 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

3.35d 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 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

3.35e 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 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] “ “

3.35f 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 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] “ “

3.36 Total Cholesterol

3.36a 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

3.36b 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"

3.36c 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 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

3.36d 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 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

3.36e 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 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] “ “

3.36f 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 9] LIPG1a from LIPG DATASET
[Visit 7] LIPF1a from LIPF DATASET
[Visit 6] LIPF1a from LIPF DATASET

3.37 Triglycerides

3.37a Value_TG (Triglyceride Value (mg/dL, Plasma))

Description: Numeric variable that denotes the total triglycerides lab value

Type: Numeric

Manual Description: [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

3.37b 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 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)”

3.37c 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 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

3.37d 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 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

3.37e 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 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] “ “

3.37f 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 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] “ “

3.38 Triglycerides less than or equal to 400 mg/dL

3.38a 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

3.38b 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"

3.38c 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 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

3.38d 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 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

3.38e 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 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] “ “

3.38f 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 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] “ “

3.39 Triglycerides

3.39a 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

3.39b 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”

3.39c 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 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

3.39d 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 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

3.39e 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 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] “ “

3.39f 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 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] “ “

3.40 HS Troponin

3.40a Value_TROP (HS Troponin Value (mcg/L, Plasma))

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

Type: Numeric

Manual Description: [Visit 5] LIP38 from LIP04 DATASET
[Visit 4] TROP_V4 from V1_V5_Analyte DATASET

3.40b 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 5] “Beckman Coulter Olympus AU 400”
[Visit 4] “ “

3.40c 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 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET

3.40d 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 5] BIO0a from BIO DATASET
[Visit 4] FTRD1 from FTRD04 DATASET

3.40e 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 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET

3.40f 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 5] LIP2 from LIP04 DATASET
[Visit 4] LIPD9 from LIPD04 DATASET

3.41 Uric Acid

3.41a 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

3.41b 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"

3.41c 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

3.41d 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

3.41e 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] “ “

3.41f 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] “ “