Table 1. Baseline characteristics Athero-Express Biobank Study - eQTL data only (b37, n=626)

| **Characteristic** | **N** | **N = 6261** |
| --- | --- | --- |
| **Hospital** | 626 |  |
| St. Antonius, Nieuwegein |  | 358 (57%) |
| UMC Utrecht |  | 268 (43%) |
| **Age** | 626 | 69 (9) |
| **Gender** | 626 |  |
| female |  | 165 (26%) |
| male |  | 461 (74%) |
| **TC\_final** | 435 | 4.66 (1.24) |
| Unknown |  | 191 |
| **LDL\_final** | 391 | 2.77 (1.04) |
| Unknown |  | 235 |
| **HDL\_final** | 410 | 1.15 (0.37) |
| Unknown |  | 216 |
| **TG\_final** | 413 | 1.62 (0.94) |
| Unknown |  | 213 |
| **systolic** | 524 | 155 (25) |
| Unknown |  | 102 |
| **diastoli** | 524 | 82 (13) |
| Unknown |  | 102 |
| **GFR\_MDRD** | 620 | 73 (21) |
| Unknown |  | 6 |
| **BMI** | 586 | 26.6 (3.8) |
| Unknown |  | 40 |
| **KDOQI** | 620 |  |
| No data available/missing |  | 0 (0%) |
| Normal kidney function |  | 115 (19%) |
| CKD 2 (Mild) |  | 342 (55%) |
| CKD 3 (Moderate) |  | 153 (25%) |
| CKD 4 (Severe) |  | 9 (1.5%) |
| CKD 5 (Failure) |  | 1 (0.2%) |
| Unknown |  | 6 |
| **BMI\_WHO** | 585 |  |
| No data available/missing |  | 0 (0%) |
| Underweight |  | 6 (1.0%) |
| Normal |  | 203 (35%) |
| Overweight |  | 281 (48%) |
| Obese |  | 95 (16%) |
| Unknown |  | 41 |
| **SmokerCurrent** | 617 |  |
| no data available/missing |  | 0 (0%) |
| no |  | 396 (64%) |
| yes |  | 221 (36%) |
| Unknown |  | 9 |
| **eCigarettes** | 555 | 41,828 (64,700) |
| Unknown |  | 71 |
| **ePackYearsSmoking** | 555 | 6 (9) |
| Unknown |  | 71 |
| **DiabetesStatus** | 626 |  |
| Control (no Diabetes Dx/Med) |  | 491 (78%) |
| Diabetes |  | 135 (22%) |
| **Hypertension.selfreport** | 609 |  |
| No data available/missing |  | 0 (0%) |
| no |  | 168 (28%) |
| yes |  | 441 (72%) |
| Unknown |  | 17 |
| **Hypertension.selfreportdrug** | 606 |  |
| No data available/missing |  | 0 (0%) |
| no |  | 206 (34%) |
| yes |  | 400 (66%) |
| Unknown |  | 20 |
| **Hypertension.composite** | 626 |  |
| No data available/missing |  | 0 (0%) |
| no |  | 80 (13%) |
| yes |  | 546 (87%) |
| **Hypertension.drugs** | 625 |  |
| No data available/missing |  | 0 (0%) |
| no |  | 142 (23%) |
| yes |  | 483 (77%) |
| Unknown |  | 1 |
| **Med.anticoagulants** | 625 |  |
| No data available/missing |  | 0 (0%) |
| no |  | 550 (88%) |
| yes |  | 75 (12%) |
| Unknown |  | 1 |
| **Med.all.antiplatelet** | 625 |  |
| No data available/missing |  | 0 (0%) |
| no |  | 65 (10%) |
| yes |  | 560 (90%) |
| Unknown |  | 1 |
| **Med.Statin.LLD** | 625 |  |
| No data available/missing |  | 0 (0%) |
| no |  | 152 (24%) |
| yes |  | 473 (76%) |
| Unknown |  | 1 |
| **Stroke\_Dx** | 583 |  |
| Missing |  | 0 (0%) |
| No stroke diagnosed |  | 470 (81%) |
| Stroke diagnosed |  | 113 (19%) |
| Unknown |  | 43 |
| **sympt** | 615 |  |
| missing |  | 0 (0%) |
| Asymptomatic |  | 78 (13%) |
| TIA |  | 249 (40%) |
| minor stroke |  | 95 (15%) |
| Major stroke |  | 59 (9.6%) |
| Amaurosis fugax |  | 89 (14%) |
| Four vessel disease |  | 12 (2.0%) |
| Vertebrobasilary TIA |  | 1 (0.2%) |
| Retinal infarction |  | 10 (1.6%) |
| Symptomatic, but aspecific symtoms |  | 17 (2.8%) |
| Contralateral symptomatic occlusion |  | 3 (0.5%) |
| retinal infarction |  | 1 (0.2%) |
| armclaudication due to occlusion subclavian artery, CEA needed for bypass |  | 0 (0%) |
| retinal infarction + TIAs |  | 0 (0%) |
| Ocular ischemic syndrome |  | 1 (0.2%) |
| ischemisch glaucoom |  | 0 (0%) |
| subclavian steal syndrome |  | 0 (0%) |
| TGA |  | 0 (0%) |
| Unknown |  | 11 |
| **Symptoms.5G** | 615 |  |
| Asymptomatic |  | 78 (13%) |
| Ocular |  | 90 (15%) |
| Other |  | 32 (5.2%) |
| Retinal infarction |  | 11 (1.8%) |
| Stroke |  | 154 (25%) |
| TIA |  | 250 (41%) |
| Unknown |  | 11 |
| **restenos** | 611 |  |
| missing |  | 0 (0%) |
| de novo |  | 602 (99%) |
| restenosis |  | 9 (1.5%) |
| stenose bij angioseal na PTCA |  | 0 (0%) |
| Unknown |  | 15 |
| **EP\_composite** | 621 |  |
| No data available. |  | 0 (0%) |
| No composite endpoints |  | 458 (74%) |
| Composite endpoints |  | 163 (26%) |
| Unknown |  | 5 |
| **EP\_composite\_time** | 621 | 2.60 (1.21) |
| Unknown |  | 5 |
| **macmean0** | 615 | 0.86 (1.08) |
| Unknown |  | 11 |
| **smcmean0** | 613 | 1.95 (1.94) |
| Unknown |  | 13 |
| **Macrophages.bin** | 621 |  |
| no/minor |  | 264 (43%) |
| moderate/heavy |  | 357 (57%) |
| Unknown |  | 5 |
| **SMC.bin** | 621 |  |
| no/minor |  | 190 (31%) |
| moderate/heavy |  | 431 (69%) |
| Unknown |  | 5 |
| **neutrophils** | 104 | 209 (433) |
| Unknown |  | 522 |
| **Mast\_cells\_plaque** | 97 | 171 (172) |
| Unknown |  | 529 |
| **vessel\_density\_averaged** | 578 | 8.8 (6.4) |
| Unknown |  | 48 |
| **IPH.bin** | 622 | 387 (62%) |
| Unknown |  | 4 |
| **Calc.bin** | 623 |  |
| no/minor |  | 286 (46%) |
| moderate/heavy |  | 337 (54%) |
| Unknown |  | 3 |
| **Collagen.bin** | 619 |  |
| no/minor |  | 117 (19%) |
| moderate/heavy |  | 502 (81%) |
| Unknown |  | 7 |
| **Fat.bin\_10** | 623 |  |
| <10% |  | 152 (24%) |
| >10% |  | 471 (76%) |
| Unknown |  | 3 |
| **Fat.bin\_40** | 623 |  |
| <40% |  | 443 (71%) |
| >40% |  | 180 (29%) |
| Unknown |  | 3 |
| **OverallPlaquePhenotype** | 623 |  |
| atheromatous |  | 181 (29%) |
| fibroatheromatous |  | 237 (38%) |
| fibrous |  | 205 (33%) |
| Unknown |  | 3 |
| **Plaque\_Vulnerability\_Index** | 626 |  |
| 0 |  | 39 (6.2%) |
| 1 |  | 109 (17%) |
| 2 |  | 163 (26%) |
| 3 |  | 208 (33%) |
| 4 |  | 72 (12%) |
| 5 |  | 35 (5.6%) |
| **SMC\_rankNorm** | 613 | -0.02 (0.91) |
| Unknown |  | 13 |
| **MAC\_rankNorm** | 615 | 0.31 (0.94) |
| Unknown |  | 11 |
| **Neutrophils\_rankNorm** | 104 | 0.22 (1.02) |
| Unknown |  | 522 |
| **MastCells\_rankNorm** | 97 | 0.02 (1.02) |
| Unknown |  | 529 |
| **VesselDensity\_rankNorm** | 578 | 0.15 (0.94) |
| Unknown |  | 48 |
| **CHIP** | 626 |  |
| AffyAxiomCEU |  | 345 (55%) |
| AffySNP5 |  | 268 (43%) |
| IllGSA |  | 13 (2.1%) |
| **PCA** | 625 |  |
| EUR |  | 615 (98%) |
| nonEUR |  | 10 (1.6%) |
| Unknown |  | 1 |
| **Artery\_summary** | 626 |  |
| No artery known (yet), no surgery (patient ill, died, exited study), re-numbered to AAA |  | 0 (0%) |
| carotid (left & right) |  | 614 (98%) |
| femoral/iliac (left, right or both sides) |  | 10 (1.6%) |
| other carotid arteries (common, external) |  | 2 (0.3%) |
| carotid bypass and injury (left, right or both sides) |  | 0 (0%) |
| aneurysmata (carotid & femoral) |  | 0 (0%) |
| aorta |  | 0 (0%) |
| other arteries (renal, popliteal, vertebral) |  | 0 (0%) |
| femoral bypass, angioseal and injury (left, right or both sides) |  | 0 (0%) |
| **PCSK9\_plasma** | 350 | 31,803 (18,642) |
| Unknown |  | 276 |
| **PCSK9\_plasma\_rankNorm** | 350 | -0.01 (1.00) |
| Unknown |  | 276 |
| 1n (%); Mean (SD) | | |