**Table 1**. Participant characteristics of EPIC participants who took part in the 3rd health check with and without useable fundus images (5947 versus 2676 participants)

|  |  |
| --- | --- |
| Characteristic | Third Health Examination |
| Included in the analyses | Excluded from the analyses |
| Number | 5947 | 2676 |
|  |  |  |
| Age (SD) years | 67.6 (7.6) | 71.3 (8.6) |
| Gender n (% Female) | 3,393 (57) | 1,365 (51) |
| Current smokers n (%) | 267 (4.5) | 107 (4.0) |
| Former smoker n (%) | 2,628 (44) | 1284 (48) |
| Height (cm) | 166.4 (9.1) | 166.2 (9.2) |
| Weight (Kg) | 74.4 (14.3) | 74.6 (14.0) |
| BMI (Kg/m²) | 26.8 (4.3) | 27.0 (4.2) |
| Systolic blood pressure (mmHg) | 135.7 (16.6) | 137.3 (16.8) |
| Diastolic blood pressure (mmHg) | 78.4 (9.2) | 77.9 (9.6) |
| Total cholesterol (mmol/L) | 5.4 (1.1) | 5.3 (1.1) |
| LDL cholesterol (mmol/L) | 3.2 (1.0) | 3.1 (1.0) |
| HDL cholesterol (mmol/L) | 1.5 (0.4) | 1.5 (0.4) |
| Triglycerides (mmol/L) | 1.7 (0.9) | 1.6 (0.9) |
| HbA1c (%) | 5.8 (0.6) | 5.9 (0.7) |
| HbA1c (mmol/mol) | 40 | 41 |
| Prevalent MI n (%) | 187 (3.1) | 106 (4.0) |
| Prevalent stroke n (%) | 118 (2.0) | 67 (2.5) |
| Prevalent Type 2 diabetes n (%) | 237 (4.0) | 156 (5.8) |
| Mean axial length (SD) mm | 23.6 (1.2) | 23.5 (1.2) |
| Mean best vision sphere (SD) dioptres | 0.2 (2.2) | 0.2 (2.3) |
| Mean arteriolar width (SD) microns | 74.8 (6.9) | - |
| Mean venular width (SD) microns | 88.4 (11.3) | - |
| Arteriolar tortuosity x 1000\* | 4.2 (1.6) | - |
| Venular tortuosity x1000\* | 3.3 (1.3) | - |

Mean (SD) or n (%) as indicated

\* Geometric mean (SD)

Units of tortuosity are arbitrary

For participants included in the analyses extent of missing data is as follows:-

Total Cholesterol (TC) missing data for 429 participants

LDL Cholesterol missing data for 511 participants

HDL Cholesterol missing data for 428 participants

Triglycerides missing data for 429 participants

HbA1c missing data for 498 participants