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| --- | --- | --- | --- | --- | --- | --- |
|  | **Training population**  **(D.E.S.I.R participants)** | | |  | **Validation population**  **(Baseline only)** | |
|  | **Incident diabetes values at baseline (*n*=231)** | **Random sample**  **values at baseline**  **(*n*=836)** | **Random sample**  **values at year 9**  **(*n*=836)** |  | **Incident diabetes values (n=64)** | **Matched controls values**  **(n=64)** |
| Age (years) | 51 (9) | 47 (10) | 56 (10) |  | 50 (12) | 49 (10) |
| Sex: men / women | 151 (66) / 80 (35) | 411 (49) / 425 (51) | 411 (49) / 425 (51) |  | 25 (39) | 38 (60) |
| Type 2 diabetes:  Non diabetic / Diabetic | 231 (100) / 0 (0) | 813 (97.3) / 23 (2.7) | 778 (93.1) / 58 (6.9) |  | 0 (0) | 0 (0) |
| Glucose lowering medication | 0 (0) | 5 (0.6) | 21 (2.5) |  | 0 (0) | 0 (0) |
| Lipids lowering mediation | 33 (14) | 67 (8) | 182 (22) |  | 34 (53) | 30 (47) |
| Blood pressure lowering medication | 51 (22) | 98 (12) | 185 (22) |  | 17 (26) | 21 (33) |
| Fasting glucose (mmol/L) | 5.9 (0. 6) | 5.3 (0.7) | 5.5 (0.9) |  | 5.7 (0.6) | 5.6 (0.7) |
| HbA1c (%) | 5.6 (0.4) | 5.3 (0.5) | 5.6 (0.5) |  | - | - |
| HbA1c (mmol/mol) | 37.8 (4.7) | 34.1 (5.4) | 37.6 (5.5) |  | - | - |
| 2-hour glucose (mmol/L) | - | - | - |  | 7.3 (1.9) | 6.2 (1.7) |
| BMI (kg/m²) | 27.8 (4) | 24.5 (4) | 25.7 (4) |  | 34.3 (10) | 34.3 (10) |
| Waist circumference (cm) | 93.6 (11) | 82.6 (11) | 86.5 (12) |  | 106.3 (23) | 107.6 (25) |
| Hip circumference (cm) | 102 (9) | 97.1 (7) | 98.4 (8) |  | 117.1 (19) | 116.7 (21) |
| Systolic Blood Pressure (mm Hg) | 139.4 (17) | 130.5 (16) | 135.6 (18) |  | 137.8 (17) | 129.6 (27) |
| Diastolic Blood Pressure (mm Hg) | 84.0 (9) | 79.5 (10) | 80.7 (9) |  | 80.5 (10) | 76.6 (16) |
| Current smoker: No / Yes | 164 (71) / 67 (29) | 663 (79) / 172 (21) | 736 (88) / 96 (11) |  | 10 (16) | 10 (16) |
| HDL-cholesterol (mmol/L) | 1.5 (0.4) | 1.6 (0.4) | 1.5 (0.3) |  | 1.29 (0.3) | 1.28 (0.4) |
| Triglycerides (mmol/L) | 1.7 (1.2) | 1.1 (0.7) | 1.2 (0.7) |  | 1.8 (1.5) | 1.6 (0.8) |

**Supplementary Table 1.** Baseline and follow-up characteristics of the study participants. Data are mean (Standard Deviation) or *n* (%). Missing data are represented by “-”.