**Supporting information**

Table S1 Characteristics of excluded participants with type 2 diabetes in SHIP-TREND and KORA F4

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|  | **SHIP-TREND** | **KORA F4** | **p-Value** |
| N  | 430 | 225 |  |
| Female sex (%)  | 42.8 | 41.8 | 0.868 |
| Age (years)  | 63.4 (10.2) | 66.9 (8.9) | <0.001 |
| Fasting glucose (mmol/l)  | 8.7 (3.4) | 7.7 (2.1) | 0.006 |
| Body mass index(kg/m²)  | 32.4 (5.9) | 31.3 (5.5) | 0.017 |
| Diastolic blood pressure (mmHg)  | 78.1 (10.8) | 74.4 (10.6) | <0.001 |
| Systolic blood pressure (mmHg)  | 137.4 (19.9) | 132.3 (19.8) | 0.001 |
| Total Cholesterol (mmol/l)  | 5.1 (1.2) | 5.3 (1.1) | 0.072 |
| HDL-Cholesterol (mmol/l)  | 1.3 (0.3) | 1.3 (0.3) | 0.279 |
| LDL-Cholesterol (mmol/l)  | 3.0 (0.0) | 3.3 (0.9) | 0.011 |
| Triglycerides (mmol/l), Median (IQR) | 2.0 (1.4; 2.8) | 1.6 (1.1; 2.2) | <0.001 |