

6,957 adult participants from the FinnDiane study with weight and height available

6,433 individuals
• In Fig. 1 (BMI category and decade of study enrolment)

5,836 individuals
• Eligible for following analyses:

Excluded individuals:

N=524

Exclusion criteria:

- Missing information on renal status (-251)
- Diabetes onset age > 40 years or missing diabetes onset year (-273)

N=597

Exclusion criteria:

- Baseline examination after 31.12.2014 (-597)

Nonlinear cox regression
(Fig. 2a Fig.2b)

- **All-cause mortality**
- **Cardiovascular mortality**

Nonlinear cox regression; Stratified (Fig. 2c, Fig.2d)

- Stratification for :**
- **Diabetic nephropathy**
 - Normal AER vs. microalbuminuria, macroalbuminuria or ESRD.
 - **Chronic kidney disease**
 - Missing eGFR: 6.2%
 - eGFR >60 vs eGFR < 60 or ESRD.

Nonlinear cox regression with interaction (Fig. 3)

- Interaction with:**
- **Age**
 - **Diabetes onset age**
 - **Sex**
 - **HbA_{1c}** (missing: 8.0%)
 - **Smoking** (missing:13.8%)
 - **Diabetic nephropathy**
 - **Chronic kidney disease** (missing eGFR: 6.2%),

BMI change and mortality
(Supplemental Fig.4)

1,846 individuals

- with follow up visit (n deaths=160)

N=3,990

Exclusion criteria:

- No follow-up examination