

SUPPLEMENTARY DATA

Supplementary Table S1. Cause-specific mortality rates (per 1,000 person-years) and HRs in 719 individuals with type 1 diabetes diagnosed between 15 and 29 years of age.

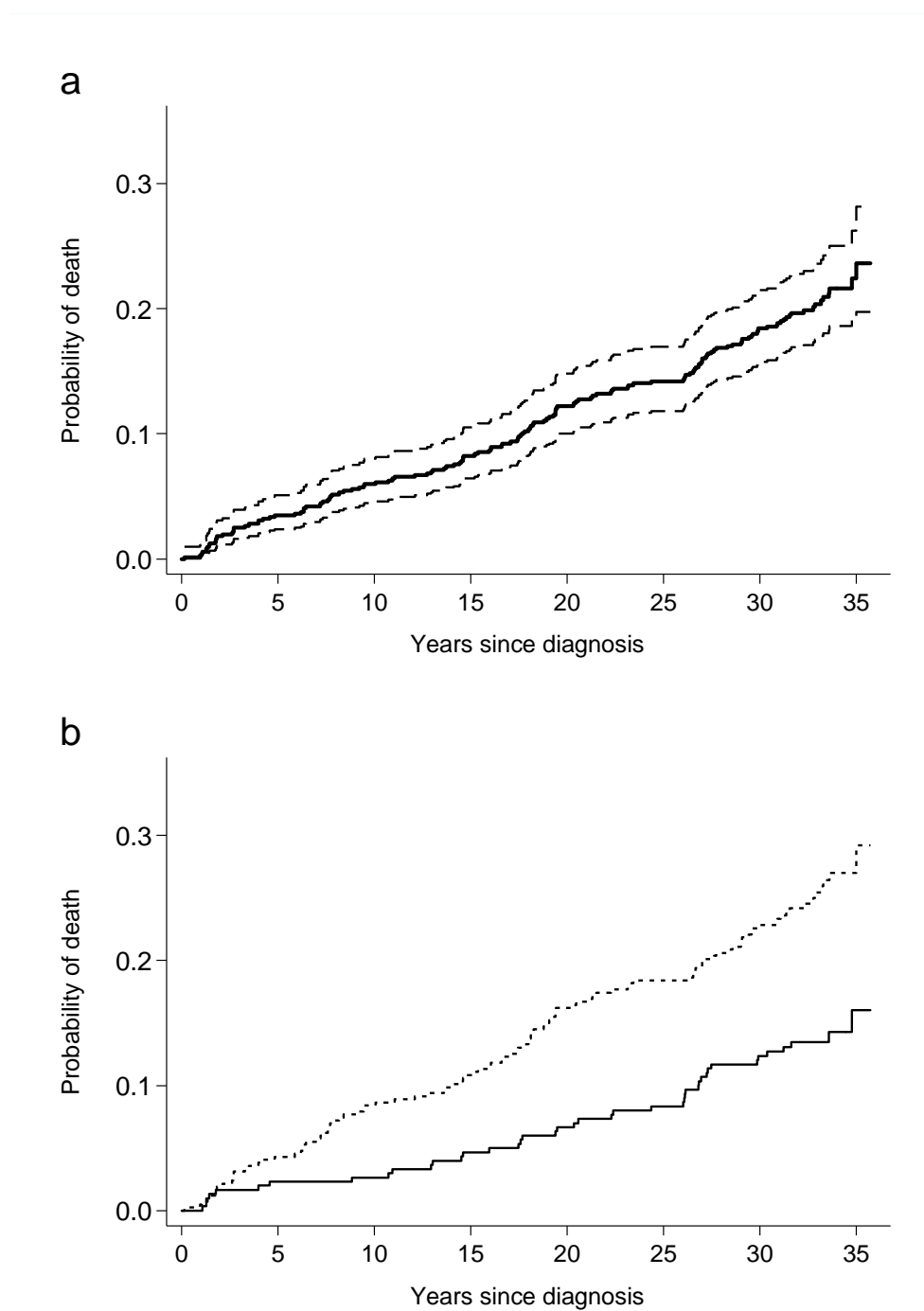
| | Total | | Men | | Women | | Female vs male | |
|---|-----------|-----------------------------|------------|-----------------------------|--------------|-----------------------------|-----------------------------|--------|
| Causes of death | n | Mortality rates (95% CI) | n | Mortality rates (95% CI) | n | Mortality rates (95% CI) | HR [†] (95% CI) | p |
| Total deaths | 148 | 6.96 (5.90-8.15) | 106 (71.6) | 8.90 (7.32-10.72) | 42 (28.4) | 1.58 (1.04-2.32) | 0.50 (0.35-0.72) | <0.001 |
| Acute complications | 30 (20.3) | 1.41 (0.98-2.01) | 22 (20.8) | 1.85 (1.22-2.80) | 8 (19.0) | 0.86 (0.43-1.71) | 0.47 (0.21-1.02) | 0.06 |
| <i>Diabetic ketoacidosis</i> | 20 (13.5) | 0.94 (0.69-1.45) | 13 (12.3) | 1.09 (0.63-1.88) | 7 (16.6) | 0.75 (0.36-1.57) | | |
| <i>Hypoglycemia</i> | 10 (6.8) | 0.47 (0.25-0.87) | 9 (8.5) | 0.76 (0.39-1.45) | 1 (2.4) | 0.11 (0.02-0.76) | | |
| Chronic complications | 47 (31.8) | 2.21 (1.66-2.94) | 31 (29.2) | 2.60 (1.83-3.70) | 16 (38.1) | 1.71 (1.05-2.79) | 0.64 (0.35-1.16) | 0.14 |
| <i>Ischemic heart disease</i> | 30 (20.3) | 1.41 (0.98-2.01) | 20 (18.9) | 1.68 (1.08-2.60) | 10 (23.8) | 1.07 (0.58-1.99) | | |
| <i>Cerebrovascular disease</i> | 5 (3.4) | 0.23 (0.09-0.56) | 4 (3.8) | | 1 (2.4) | | | |
| <i>Renal death</i> | 3 (2.0) | 0.14 (0.05-0.43) | 2 (1.9) | | 1 (2.4) | | | |
| <i>Other cardiovascular complications</i> | 9 (6.1) | 0.42 (0.22-0.81) | 5 (4.7) | | 4 (9.5) | | | |
| Violent death | 29 (19.6) | 1.36 (0.94-1.96) | 28 (26.4) | 2.35 (1.62-3.40) | 1 (2.4) | 0.10 (0.02-0.76) | 0.05 (0.01-0.35) | 0.003 |
| Cancer | 19 (12.8) | 0.89 (0.57-1.40) | 10 (9.4) | 0.84 (0.45-1.56) | 9 (21.4) | 0.96 (0.50-1.85) | | |
| Other causes | 16 (10.8) | 0.75 (0.46-1.23) | 10 (9.4) | | 6 (14.3) | | | |
| Sudden, unexplained death | 5 (3.4) | 0.24 (0.10-0.57) | 3 (2.8) | | 2 (4.8) | | | |
| Missing* | 2 (1.4) | | 2 (1.9) | | 0 | | | |

*Missing information in the Norwegian Cause of Death Registry

†adjusted for age at diagnosis

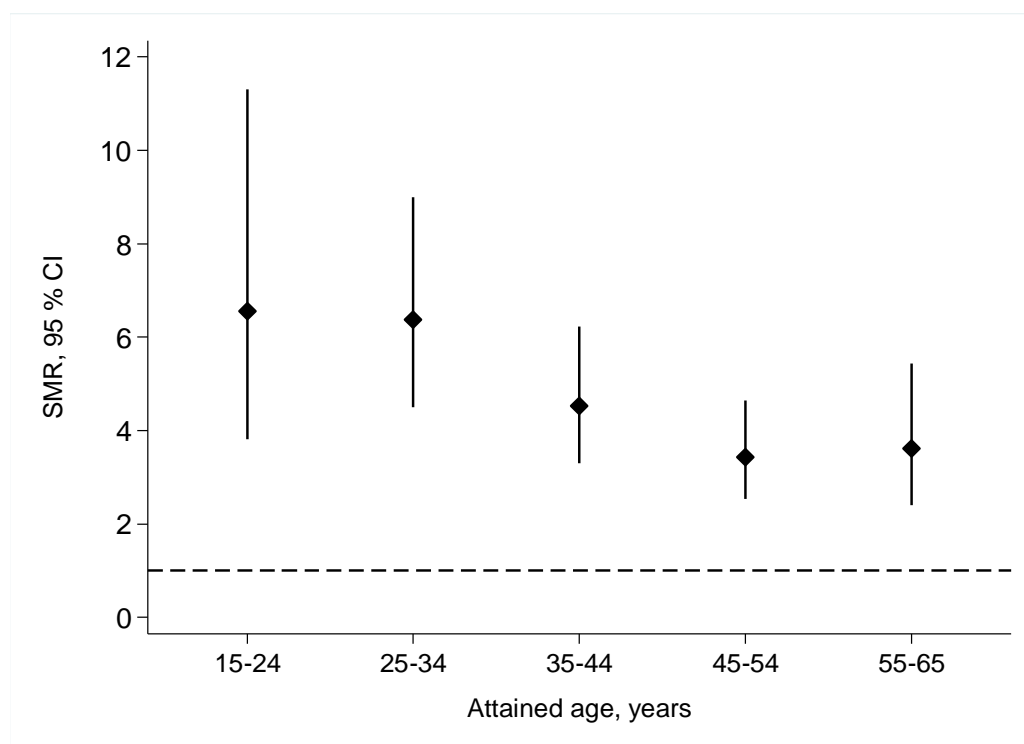
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Supplementary Figure S1. Cumulative mortality in 719 individuals with type 1 diabetes diagnosed between 15 and 29 years of age, with 95% CI (a) and by sex, $p < 0.001$. Dashed line, men; solid line, women (b).



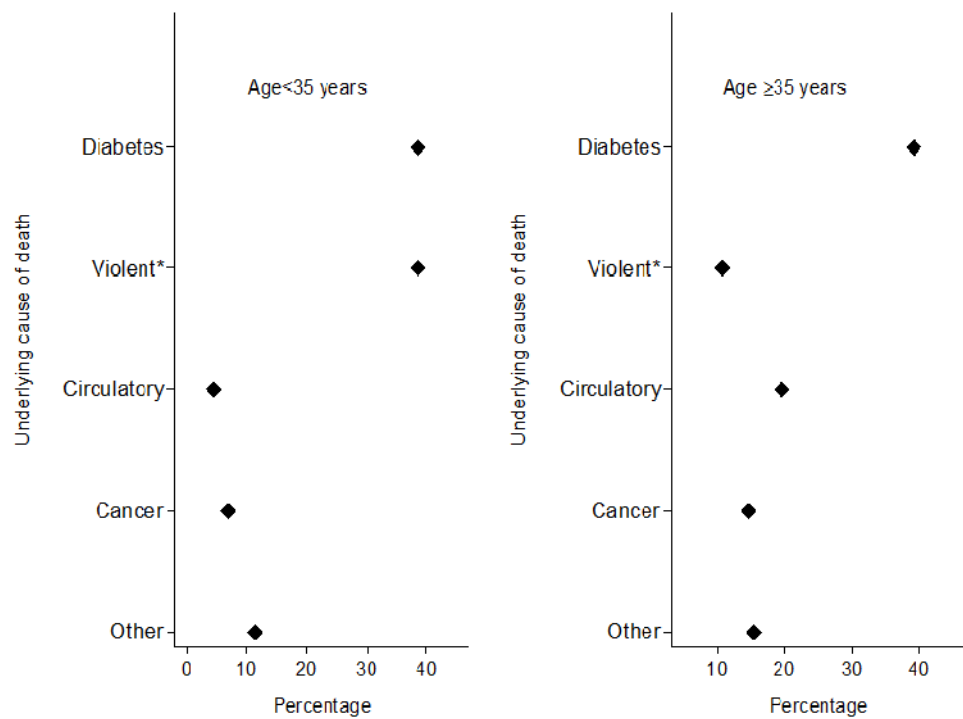
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Supplementary Figure S2. Standardized mortality ratios by 10-year attained age groups in 719 individuals with type 1 diabetes diagnosed between 15 and 29 years of age.



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Supplementary Figure S3. Most common underlying cause of death in 146 individuals with type 1 diabetes, diagnosed between age 15 and 29 years, followed for 30 years. Data are presented by age at death.



*including accidents, intoxications and suicide

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Supplementary Figure S4. Cumulative mortality with 95% CI in 33 individuals with type 1 diabetes and ESRD followed until 10 years after diagnosis of ESRD. Type 1 diabetes was diagnosed at age 15-29 years.

