

**Supplemental Table S1.** Hazard Ratios and 95% Confidence Intervals for Death according to the Glucose Spectrum (Excluding Cancer Patients)

Cause of death	Diabetes spectrum	Number	No. of events	Incidence rate, /1,000 PY	Model 1	Model 2
All-cause	DM					
	No	992,838	177,194	22.7	1 (reference)	1 (reference)
	Yes	248,992	63,066	33.6	1.52 (1.51–1.53)	1.59 (1.58–1.61)
	<i>P</i> value				<0.0001	<0.0001
	Glucose spectrum					
	NGT	667,707	117,158	22.3	1 (reference)	1 (reference)
	IFG	325,131	60,036	23.6	1.02 (1.01–1.03)	1.06 (1.05–1.07)
	Newly-diagnosed DM	48,701	12,115	33.1	1.36 (1.34–1.39)	1.40 (1.37–1.43)
	Early DM	127,747	28,590	29.2	1.35 (1.33–1.36)	1.46 (1.44–1.48)
	Advanced DM	72,544	22,361	42.2	2.03 (2.00–2.06)	2.13 (2.10–2.16)
<i>P</i> for trend				<0.0001	<0.0001	
Circulatory system (I)	DM					
	No	992,838	40,352	5.2	1 (reference)	1 (reference)
	Yes	248,992	14,354	7.6	1.53 (1.50–1.56)	1.49 (1.46–1.52)
	<i>P</i> value				<0.0001	<0.0001
	Glucose spectrum					
	NGT	667,707	26,651	5.1	1 (reference)	1 (reference)
	IFG	325,131	13,701	5.4	1.04 (1.02–1.06)	1.03 (1.01–1.06)
	Newly-diagnosed DM	48,701	2,798	7.6	1.40 (1.35–1.45)	1.37 (1.32–1.43)
	Early DM	127,747	6,628	6.8	1.38 (1.35–1.42)	1.36 (1.32–1.40)
	Advanced DM	72,544	4,928	9.3	2.00 (1.94–2.06)	1.89 (1.83–1.95)
<i>P</i> for trend				<0.0001	<0.0001	
Respiratory system (J)	DM					
	No	992,838	22,570	2.9	1 (reference)	1 (reference)
	Yes	248,992	6,744	3.6	1.31 (1.28–1.35)	1.51 (1.47–1.55)
	<i>P</i> value				<0.0001	<0.0001
	Glucose spectrum					
	NGT	667,707	15,239	2.9	1 (reference)	1 (reference)
	IFG	325,131	7,331	2.9	0.95 (0.92–0.98)	1.03 (1.00–1.06)
	Newly-diagnosed DM	48,701	1,519	4.2	1.28 (1.21–1.35)	1.41 (1.34–1.49)
	Early DM	127,747	2,917	3.0	1.09 (1.05–1.13)	1.35 (1.29–1.40)
	Advanced DM	72,544	2,308	4.4	1.69 (1.62–1.77)	1.99 (1.90–2.08)
<i>P</i> for trend				<0.0001	<0.0001	
Genitourinary system (N)	DM					
	No	992,838	3,528	0.5	1 (reference)	1 (reference)
	Yes	248,992	1,990	1.1	2.45 (2.32–2.58)	2.22 (2.10–2.35)
	<i>P</i> value				<0.0001	<0.0001
Glucose spectrum						
NGT	667,707	2,339	0.4	1 (reference)	1 (reference)	

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Supplemental Table S1. Continued

Cause of death	Diabetes spectrum	Number	No. of events	Incidence rate, /1,000 PY	Model 1	Model 2
	IFG	325,131	1,189	0.5	1.03 (0.96–1.10)	0.99 (0.92–1.06)
	Newly-diagnosed DM	48,701	256	0.7	1.47 (1.29–1.67)	1.39 (1.22–1.58)
	Early DM	127,747	790	0.8	1.89 (1.74–2.05)	1.71 (1.57–1.85)
	Advanced DM	72,544	944	1.8	4.42 (4.10–4.77)	3.83 (3.54–4.14)
	<i>P</i> for trend				<0.0001	<0.0001
Neoplasms (C)	DM					
	No	992,838	56,369	7.2	1 (reference)	1 (reference)
	Yes	248,992	16,572	8.8	1.23 (1.20–1.25)	1.28 (1.26–1.30)
	<i>P</i> value				<0.0001	<0.0001
	Glucose spectrum					
	NGT	667,707	37,008	7.0	1 (reference)	1 (reference)
	IFG	325,131	19,361	7.6	1.03 (1.02–1.05)	1.06 (1.04–1.08)
	Newly-diagnosed DM	48,701	3,419	9.3	1.20 (1.16–1.24)	1.21 (1.17–1.26)
	Early DM	127,747	8,195	8.4	1.19 (1.16–1.22)	1.27 (1.24–1.31)
	Advanced DM	72,544	4,958	9.3	1.36 (1.32–1.41)	1.45 (1.41–1.50)
	<i>P</i> for trend				<0.0001	<0.0001
Others	DM					
	No	992,838	41,843	5.4	1 (reference)	1 (reference)
	Yes	248,992	12,306	6.6	1.27 (1.24–1.30)	1.38 (1.35–1.41)
	<i>P</i> value				<0.0001	<0.0001
	Glucose spectrum					
	NGT	667,707	27,870	5.3	1 (reference)	1 (reference)
	IFG	325,131	13,973	5.5	1.01 (0.99–1.03)	1.06 (1.03–1.08)
	Newly-diagnosed DM	48,701	2,827	7.7	1.33 (1.28–1.38)	1.41 (1.35–1.46)
	Early DM	127,747	5,549	5.7	1.11 (1.08–1.15)	1.26 (1.22–1.30)
	Advanced DM	72,544	3,930	7.4	1.53 (1.48–1.58)	1.68 (1.63–1.74)
	<i>P</i> for trend				<0.0001	<0.0001

Model 1: Adjusted for age and sex; Model 2: Adjusted for model 1+smoking, heavy drinking, regular exercise, body mass index, hypertension, and dyslipidemia.

PY, person-years; DM, diabetes mellitus; NGT, normal glucose tolerance; IFG, impaired fasting glucose.