

Online Supplement:**Table S1** Remaining lifetime risk of first incident cardiovascular disease across the glycaemic spectrum among overweight/obese and normal BMI categories

	Sex	Normoglycemia		Impaired fasting glucose		Type 2 diabetes	
		Cumulative incidence, % (95%CI)		Cumulative incidence, % (95%CI)		Cumulative incidence, % (95%CI)	
		BMI \geq 25 kg/m ²	BMI<25 kg/m ²	BMI \geq 25 kg/m ²	BMI<25 kg/m ²	BMI \geq 25 kg/m ²	BMI<25 kg/m ²
N events/N total	Women	499/2777	241/1691	119/509	30/125	157/508	25/88
	Men	400/1830	208/923	123/468	24/102	110/382	45/98
Age 55	Women	58.2 (54.1-62.2)	43.8 (38.8-48.9)	56.4 (48.6-64.2)	48.5 (34.6-62.5)	64.7 (57.5-71.6)	42.8 (25.5-60.1)
	Men	60.8 (56.4-65.2)	55.4 (49.4-61.4)	66.1 (58.3-74.0)	56.9 (40.6-73.1)	55.8 (47.2-64.4)	75.1 (61.5-88.8)
Age 65	Women	58.0 (53.9-62.2)	43.5 (38.3-48.6)	55.8 (47.8-63.8)	50.4 (36.4-64.4)	64.4 (59.4-71.4)	43.0 (25.9-60.1)
	Men	56.7 (52.7-62.5)	51.2 (44.9-57.5)	64.3 (56.1-72.6)	48.8 (32.6-65.0)	52.6 (43.3-61.9)	64.8 (49.9-79.6)
Age 75	Women	56.0 (51.3-60.7)	42.3 (36.4-48.1)	53.0 (43.5-62.5)	55.2 (39.4-70.9)	59.8 (51.9-67.9)	46.4 (30.7-66.1)
	Men	54.6 (48.4-60.8)	44.8 (37.3-52.3)	62.6 (52.3-73.0)	41.4 (22.9-59.9)	48.3 (36.7-60.0)	54.0 (37.8-70.3)
Age 85	Women	49.8 (43.0-56.5)	35.4 (27.8-42.9)	49.6 (37.9-61.4)	49.0 (25.7-72.3)	48.0 (36.5-59.8)	46.1 (22.7-69.6)
	Men	52.2 (41.4-63.0)	39.4 (27.1-51.6)	57.6 (38.8-76.5)	22.3 (-0.4-48.6)	41.3 (20.1-62.5)	50.9 (24.7-77.0)

Abbreviations: NG, normoglycemia; IFG, impaired fasting glucose; T2D, type 2 diabetes; CL; confidence interval; CVD, cardiovascular disease

An overall test comparing sub-hazard distributions across the glucose spectrum by the Fine-Gray method.

Sensitivity analysis

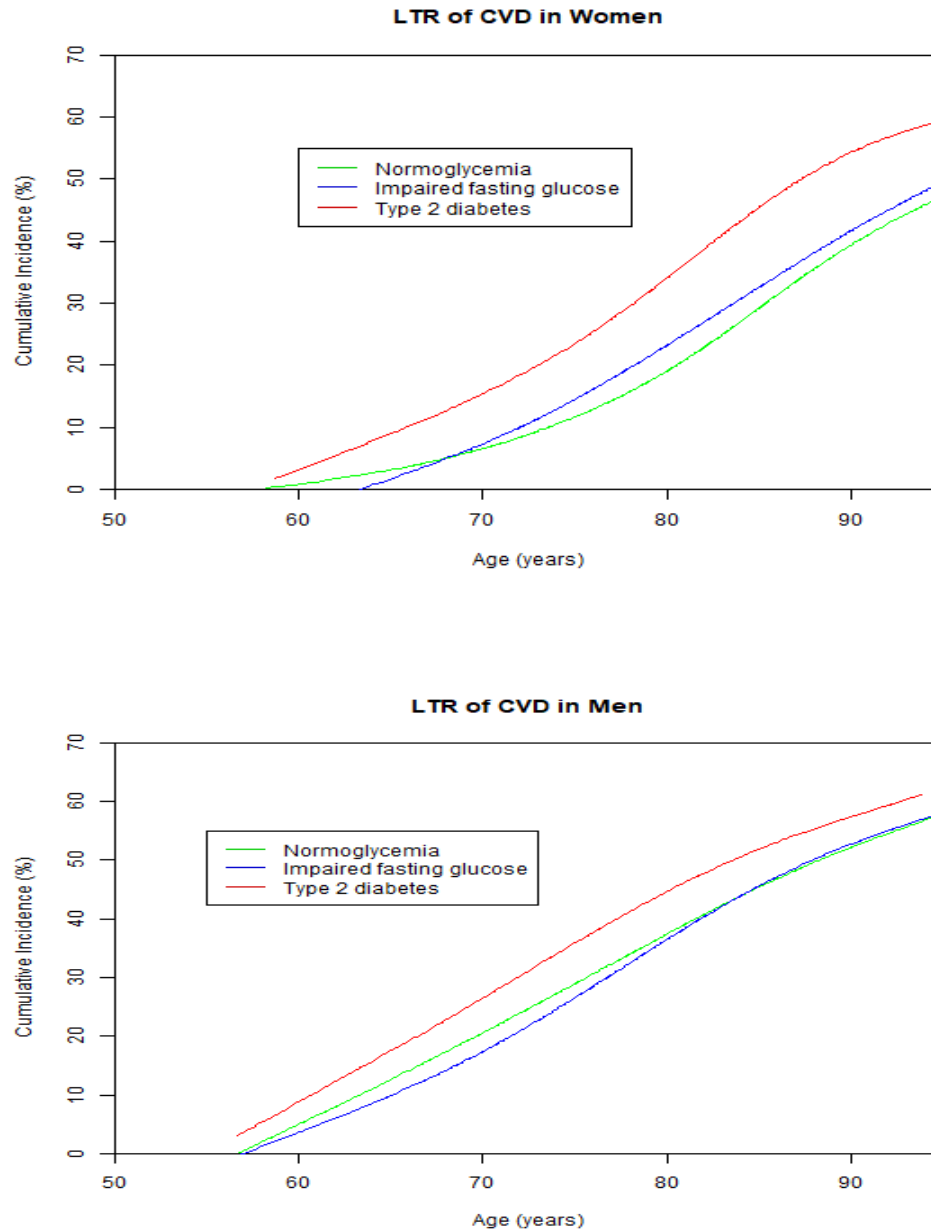


Figure S1. Cumulative incidence of cardiovascular disease defined as the composite endpoint of coronary heart disease, heart failure, and stroke in individuals aged 55 years, adjusted for the competing risk of death, adjusted for the competing risk of death.

Impaired fasting glucose defined based on the ADA guideline (5.6-6.9 mmol/l)

LTR; the lifetime risk; CVD, cardiovascular diseases