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Supplementary Material Content

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China Kadoorie Biobank collaborative group and members

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eTable 1. ICD-10 codes for causes of death

Cause of death	ICD-10 codes
CVD	I00-I99
IHD	I20-I25
Stroke	I60-I61, I63-I64
IS	I63
ICH	I61
Non-CVD	
COPD	I26-I27, J41-J44
Cancer	C00-C97
Diabetic ketoacidosis or coma	E10.0, E11.0, E12.0, E13.0, E14.0, E10.1, E11.1, E12.1, E13.1, E14.1
Kidney disease	N02-N03, N07, N11 N18

COPD= chronic obstructive pulmonary disease, CVD=cardiovascular disease, ICH= intracerebral haemorrhage, IHD=ischaemic heart disease, IS=ischaemic stroke

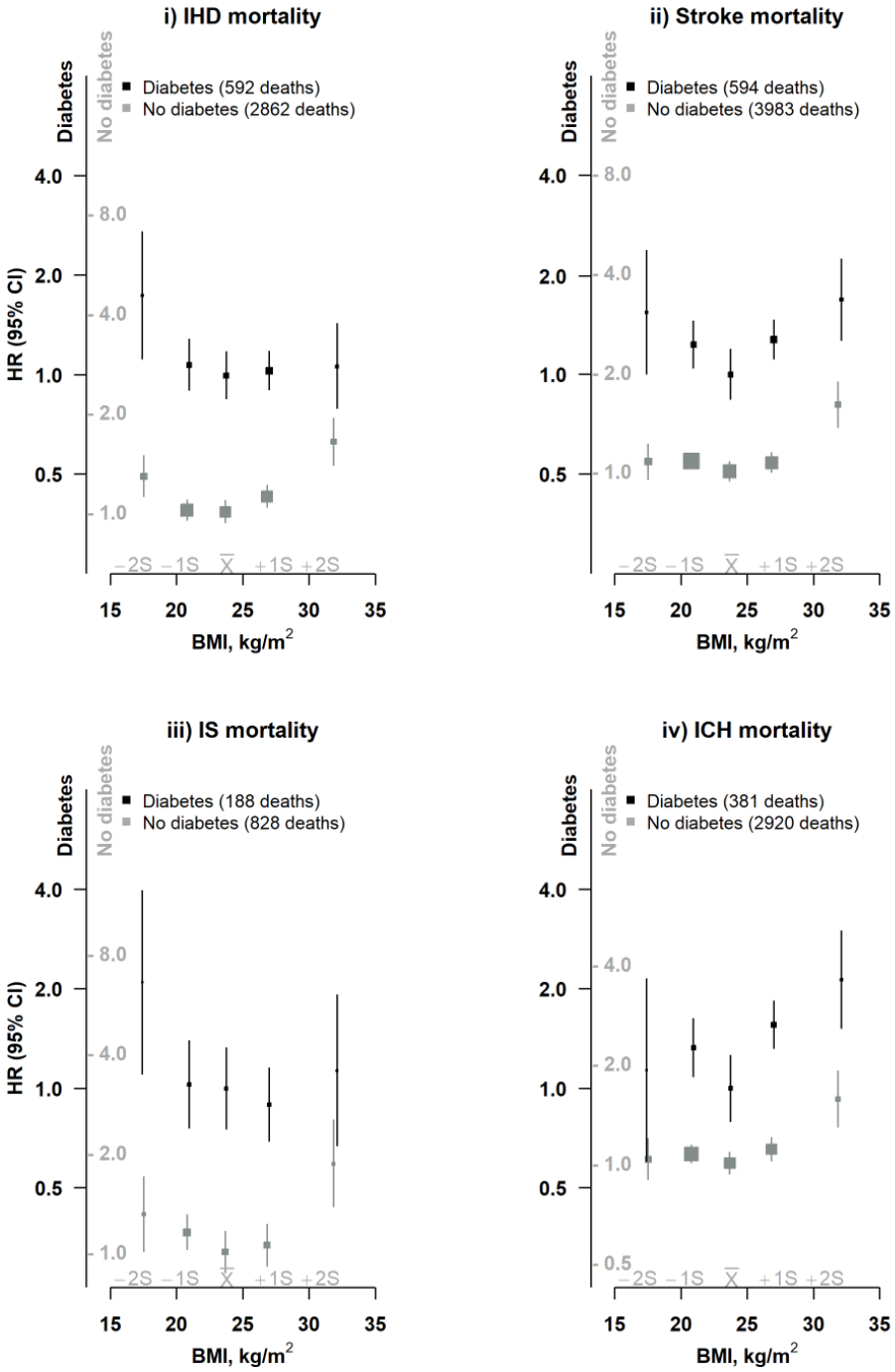
eTable 2. Number of events by diabetes status at baseline

Cause of death or event	No. of events (%)	
	No diabetes (n=422,871)	Diabetes (n=23,842)
Deaths from any cause	23,305 (5.5)	3509 (14.7)
Non-CVD deaths	15,011 (3.5)	2078 (8.7)
COPD	932 (0.2)	81 (0.3)
Cancer	9032 (2.1)	823 (3.5)
Diabetic ketoacidosis or coma	26 (0.01)	139 (0.6)
Kidney disease	339 (0.08)	232 (1.0)
CVD deaths	8294 (2.0)	1431 (6.0)
IHD	2862 (0.7)	592 (2.5)
Stroke	3983 (0.9)	594 (2.5)
IS	828 (0.2)	188 (0.8)
ICH	2920 (0.7)	381 (1.6)
All CVD events	99,122 (23.4)	9943 (41.7)
Survived to the end of follow-up	86,800 (20.5)	7664 (32.1)
Immediate case fatality (died within 28 days)	4693 (1.1)	671 (3.0)
All-cause mortality post non-fatal CVD event	6773 (1.6)	1474 (6.1)
CVD mortality post non-fatal CVD event	3601 (0.9)	760 (3.2)

COPD= chronic obstructive pulmonary disease, CVD=cardiovascular disease, ICH= intracerebral haemorrhage, IHD=ischaemic heart disease, IS=ischaemic stroke

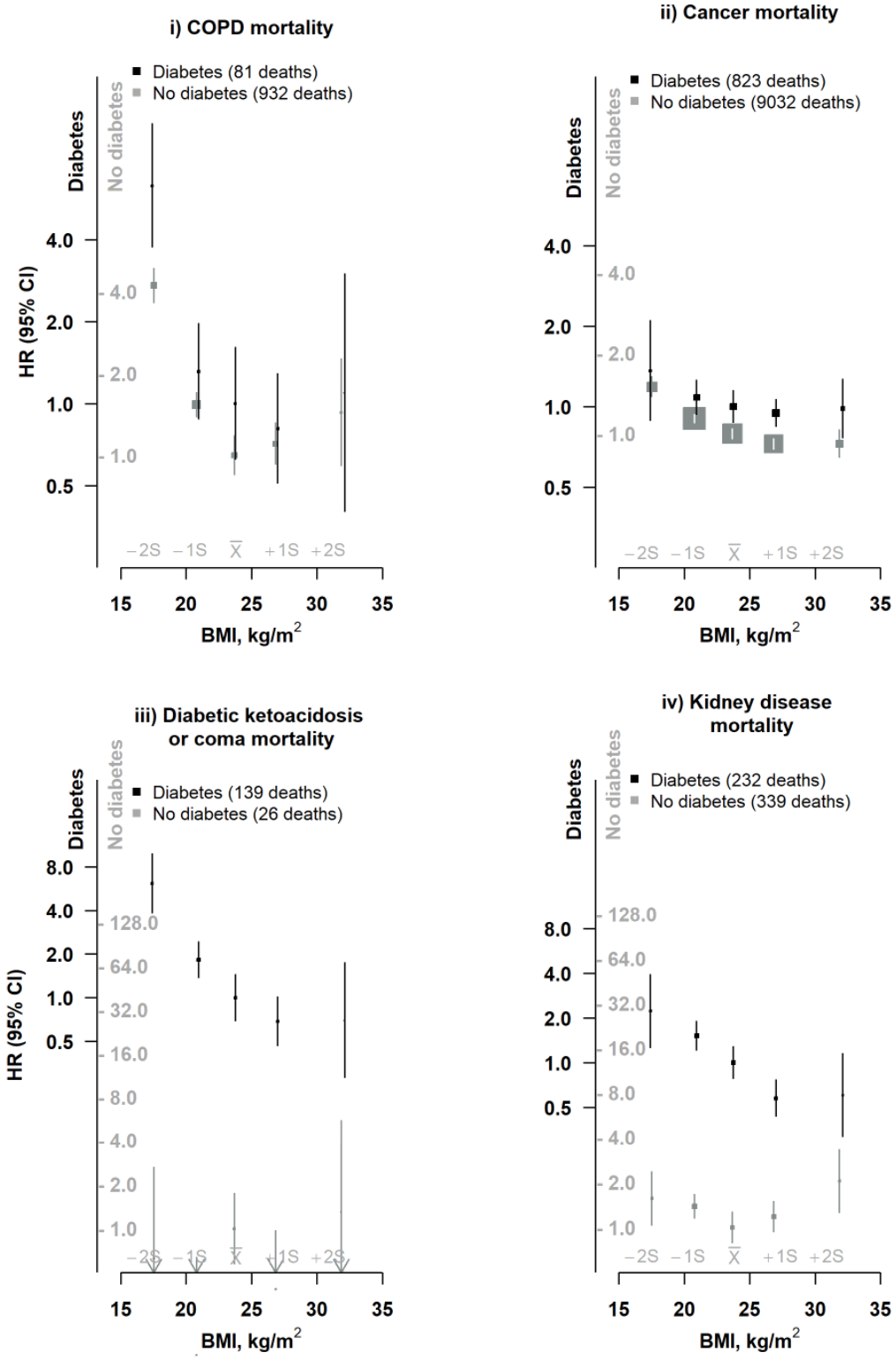
eFigure 1. Association of baseline BMI with cause-specific CVD mortality among individuals with and without diabetes

Hazard ratios (HRs) are stratified by age-at-risk, sex and study area, and adjusted for education, smoking, alcohol and physical activity. HRs are plotted on a floating absolute risk scale and separate y-axis scales were used for individuals with and without diabetes (black and grey labels, respectively). HRs are relative to 22.5-24.9 kg/m^2 group, separately in individuals with and without diabetes. Each closed square represents HR with the area inversely proportional to the variance of the log HR. Vertical lines indicate 95% CIs. The $\bar{x}$ above the x-axis represents the mean value of BMI in the full CKB population and the $\pm$1S and $\pm$2S represent 1 and 2 SD from the mean, respectively.



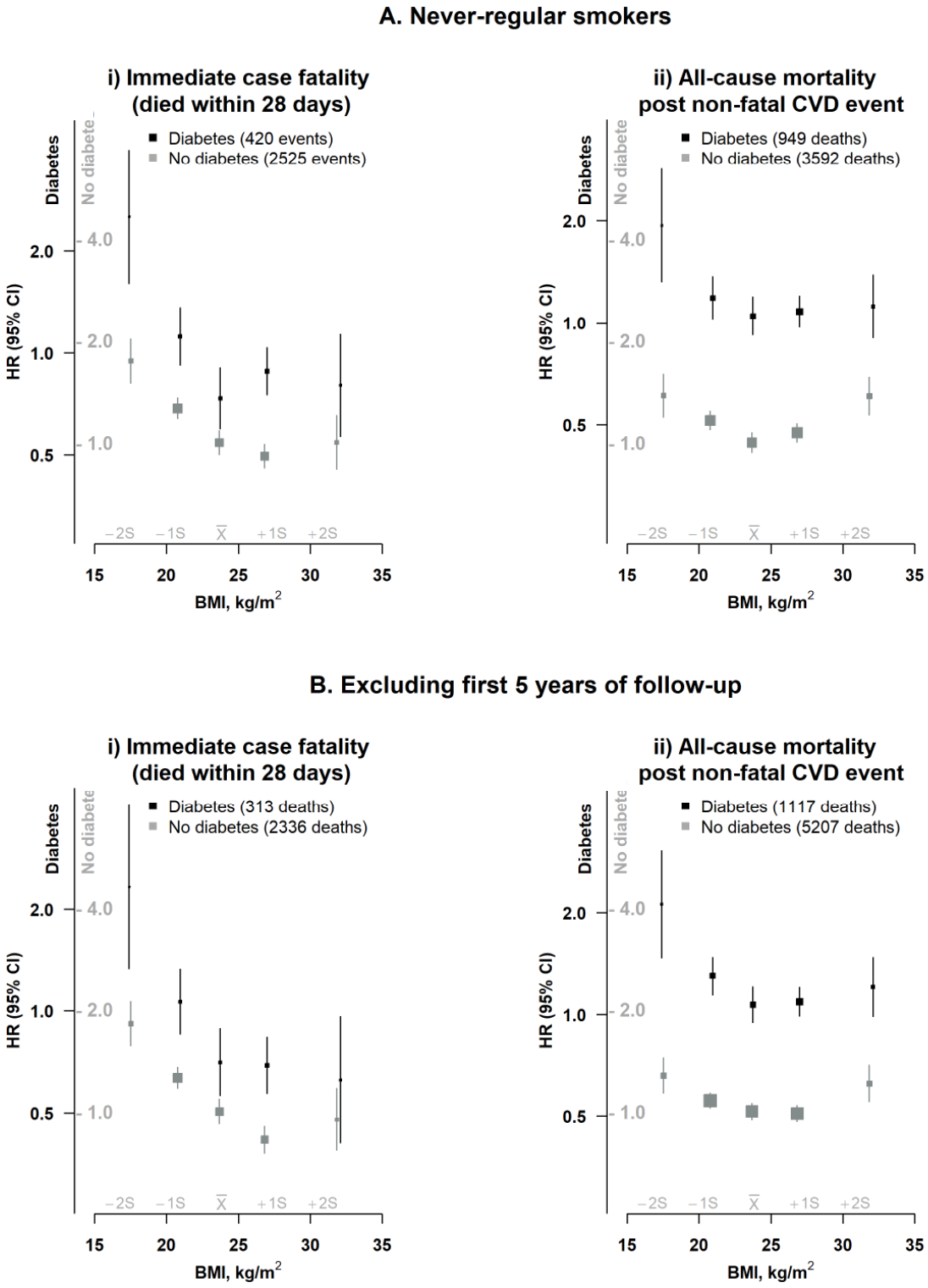
eFigure 2. Association of baseline BMI with cause-specific non-CVD mortality among individuals with and without diabetes

Conventions as eFigure 1.



eFigure 3. Association of baseline BMI with immediate case fatality and all-cause mortality post non-fatal CVD, among individuals with and without diabetes A) in never-regular smokers and B) after excluding first 5 years of follow-up

Conventions as eFigure 1.



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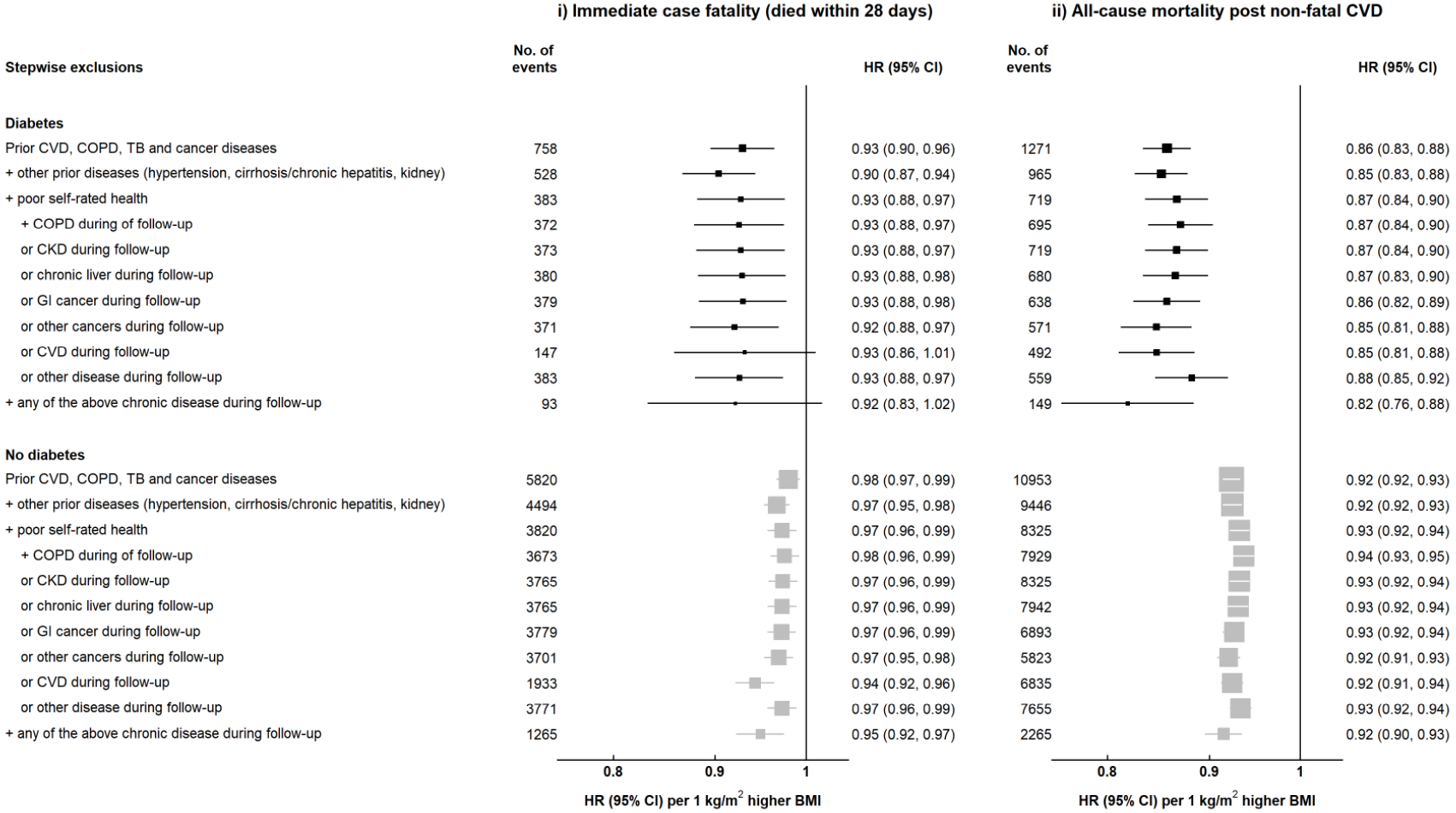

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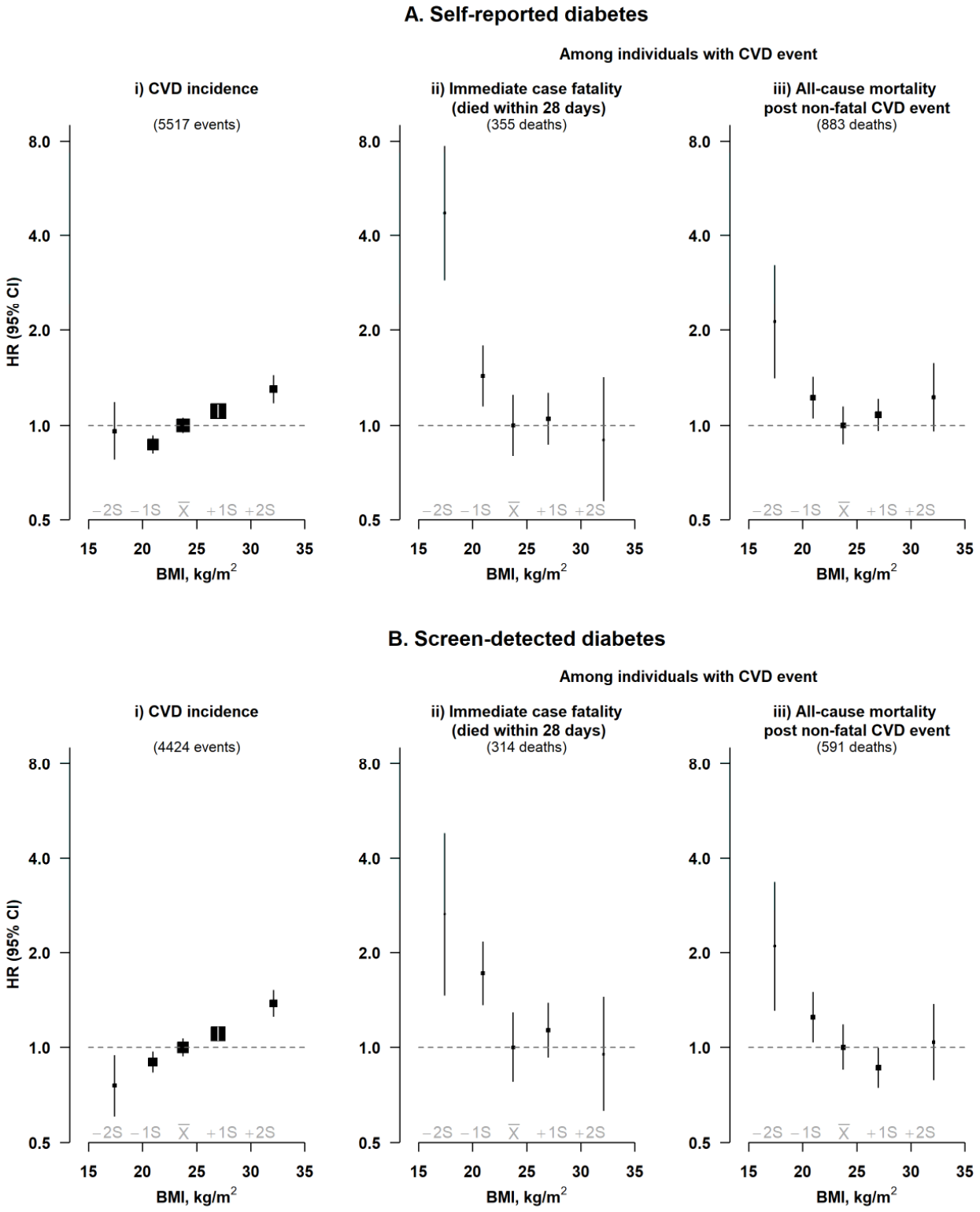

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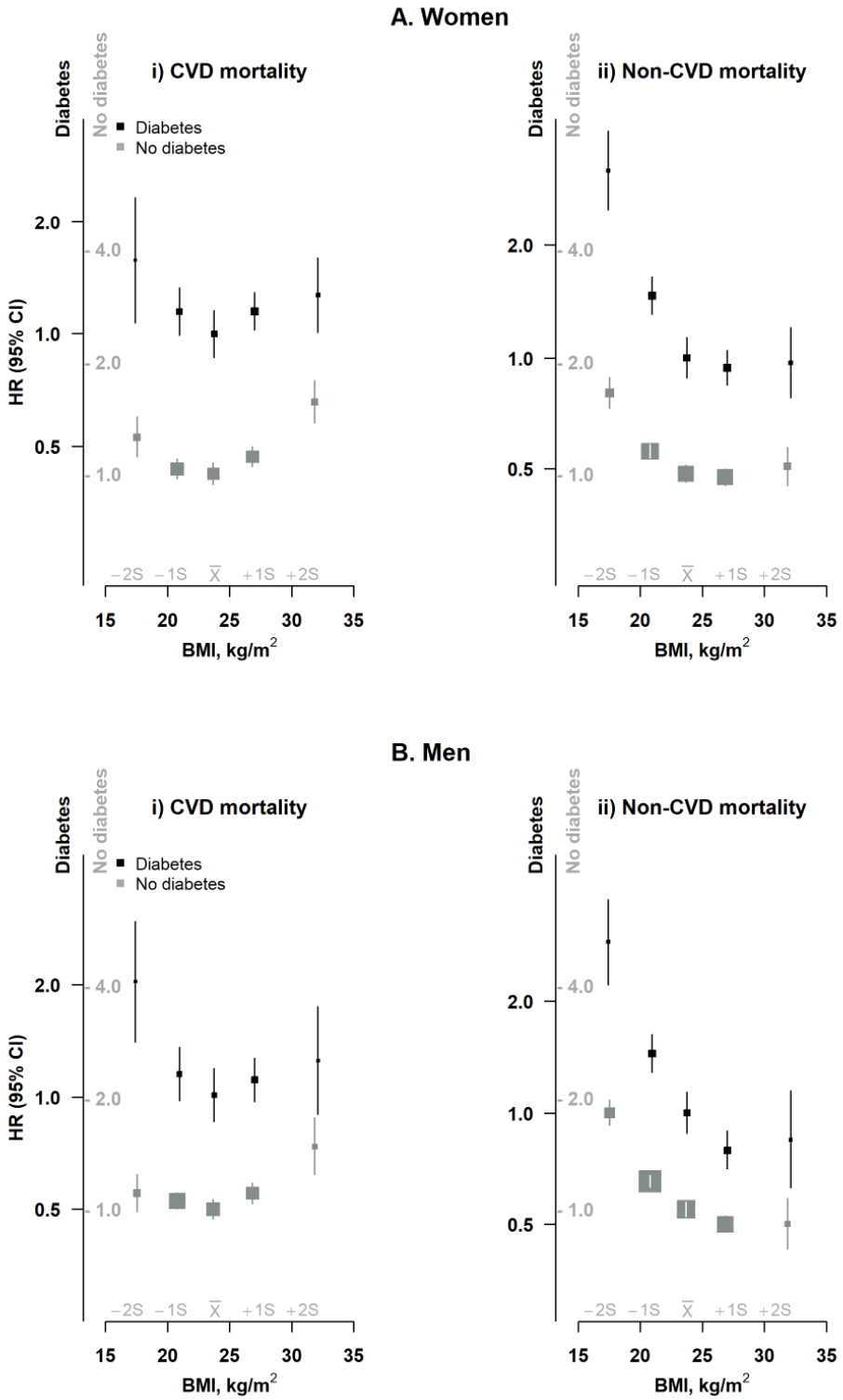
Conventions as eFigure 1.



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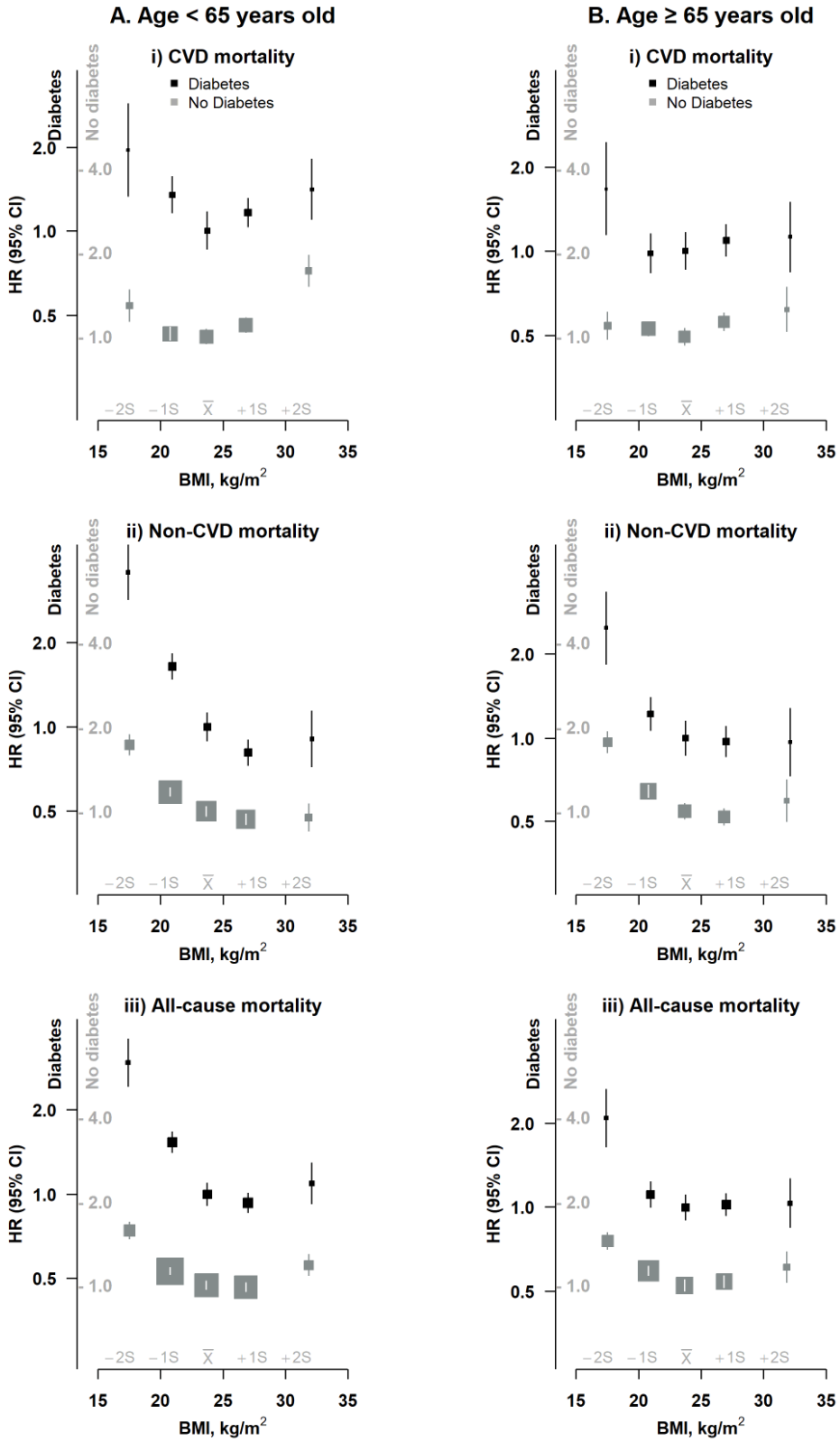

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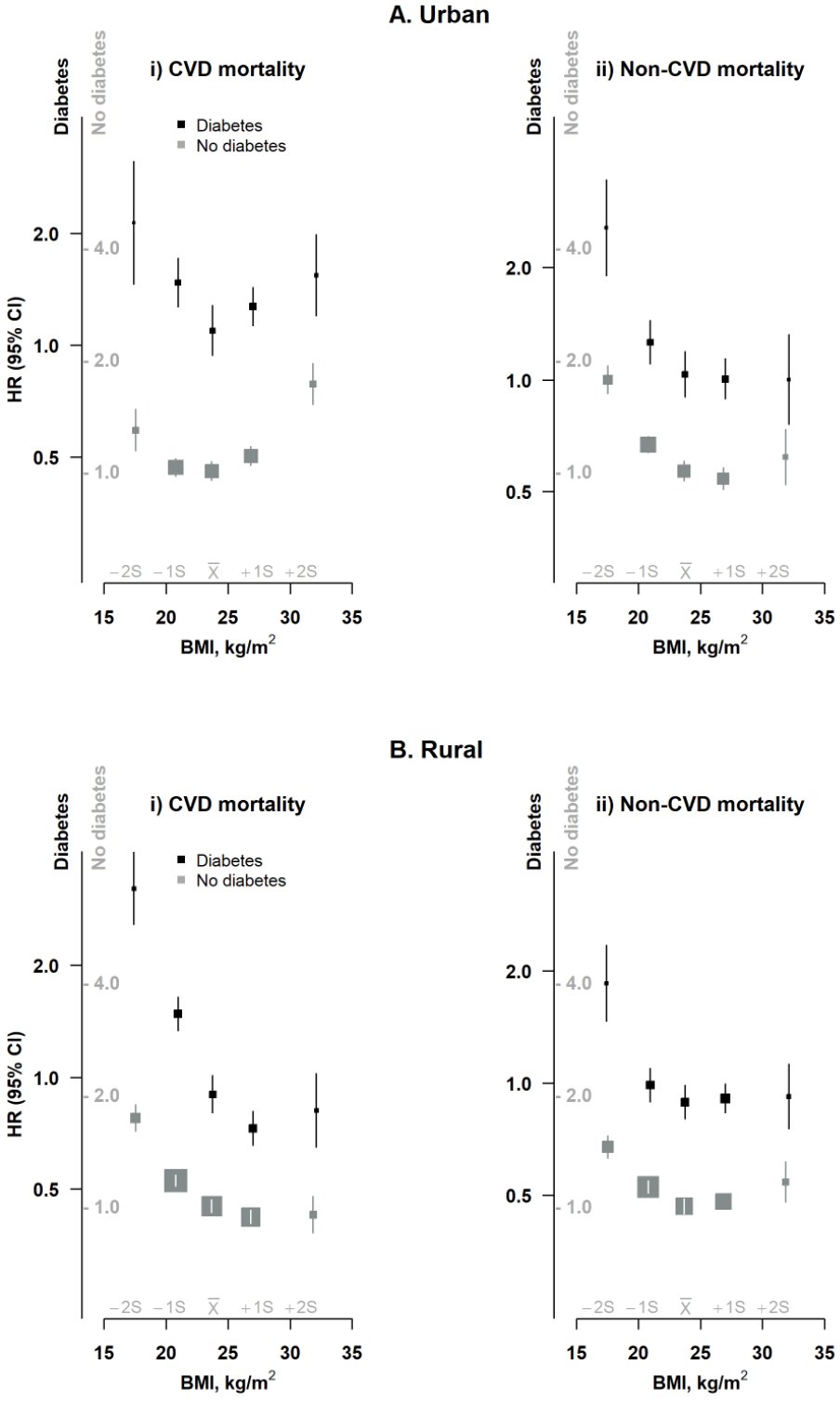
Conventions as eFigure 1.



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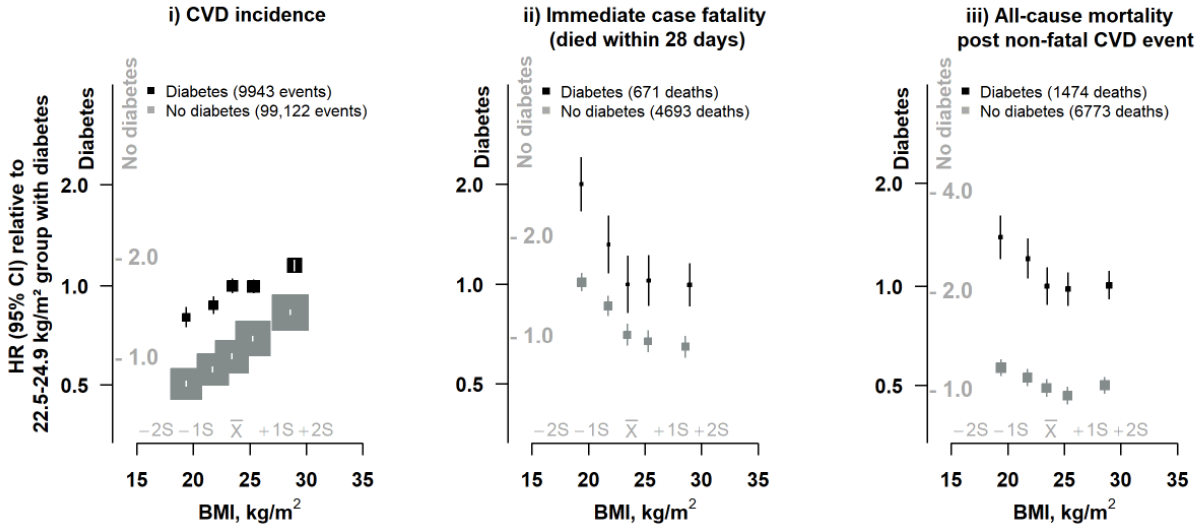
Hazard ratios (HRs) are stratified by age-at-risk, sex and study area, and adjusted for education, smoking, alcohol and physical activity. HRs are plotted on a floating absolute risk scale and separate y-axis scales were used for individuals with and without diabetes (black and grey labels, respectively). HRs are relative to 3rd quintile group, separately in individuals with and without diabetes. Each closed square represents HR with the area inversely proportional to the variance of the log HR. Vertical lines indicate 95% CIs. The $\bar{x}$ above the x-axis represents the mean value of each adiposity measure in the full CKB population and the ±1S and ±2S represent 1 and 2 SD from the mean, respectively.



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Conventions as eFigure 9.