

**Supplemental Table 1. Baseline characteristics of participants by geographic regions and diabetes status**

	North America/Europe		South America		Africa		Middle East		South Asia		South East Asia		China	
	No DM	Prevalent DM	No DM	Prevalent DM	No DM	Prevalent DM	No DM	Prevalent DM	No DM	Prevalent DM	No DM	Prevalent DM	No DM	Prevalent DM
Age <sup>a</sup>	52 (9.2)	55.8 (8.6) **	50.7 (9.7)	54.9 (8.9) **	49.5 (10.6)	54.3 (9.9) **	46.5 (8.9)	52.2 (9) **	47.5 (10.2)	52.0 (9.8) **	51.1 (9.9)	56.2 (8.9) **	50.2 (9.8)	55.9 (8.5) **
Men <sup>b</sup>	7102 (42.6)	836 (44.7)	7780 (38.4)	892 (38.3)	1710 (30.9)	75 (20.1) **	3764 (48.7)	921 (43.3) **	11290 (43.3)	2029 (46.7) **	4534 (38.1)	808 (39.5)	16594 (41.8)	1012 (40.4)
Duration of follow up <sup>c</sup>	9.0 (8.1-9.3)	8.8 (7.9-9.1) **	8.9 (6.8-9.6)	8.9 (7.5-9.7) **	6.8 (3.8-10.0)	5.8 (3.7-8.0) **	7.0 (3.4-8.9)	7.1 (3.4-9.2) **	9.9 (7.3-12.2)	9.3 (7.2-11.8) **	6.9 (3.0-8.8)	7.9 (3.3-8.9) **	9.1 (6.9-9.9)	9.1 (7.0-9.9)
Systolic blood pressure (mmHg) <sup>a</sup>	130.4 (20.4)	139.6 (21.6) **	130.8 (22.5)	139.5 (22.8) **	137.1 (26.4)	146.7 (30.9) **	123.2 (18.3)	132.1 (20.7) **	124.1 (20.6)	134.6 (21.8) **	136.1 (28.7)	142.6 (25.2) **	132.4 (22.1)	140.7 (22.6) **
Diastolic blood pressure (mmHg) <sup>a</sup>	81.6 (12.5)	84.3 (12.5) **	82.6 (23.8)	85.6 (17.9) **	86.4 (15.5)	90.8 (18.6) **	77.5 (11.1)	81 (11.7) **	79.6 (12.7)	83 (13) **	80.9 (16.2)	82.1 (12.1) *	82.5 (13.3)	84.7 (12.1) **
BMI (kg/m <sup>2</sup> ) <sup>a</sup>	27.5 (5.1)	32.1 (5.8) **	27.8 (5.3)	31.3 (5.8) **	26.2 (7.1)	30.3 (7.9) **	28.2 (5.4)	30.6 (5.4) **	22.8 (4.7)	25.3 (4.4) **	25.4 (4.8)	27.3 (5.1) **	24.4 (3.6)	25.8 (3.6) **
Waist (cms) <sup>a</sup>	88.9 (13.4)	101.5 (13.8) **	91 (13)	100.2 (13.2) **	82.8 (14.1)	93.8 (17.3) **	90.1 (12.7)	97.6 (12.3) **	77 (13.3)	85.5 (11.6) **	84.3 (11.9)	91.1 (12.2) **	80.5 (10.4)	86.1 (10) **
Waist-to-hip ratio <sup>a</sup>	0.87 (0.09)	0.92 (0.09) **	0.89 (0.08)	0.94 (0.08) **	0.85 (0.09)	0.89 (0.09) **	0.89 (0.08)	0.95 (0.08) **	0.86 (0.09)	0.91 (0.09) **	0.87 (0.08)	0.91 (0.08) **	0.86 (0.07)	0.89 (0.06) **
Cholesterol (mmol/L) <sup>a</sup>	5.3 (1)	5.1 (1.2) **	5.2 (1)	5.2 (1.1)	4.3 (1.1)	4.4 (1.1)	4.9 (1)	5 (1) *	4.5 (1)	4.8 (1) **	5.4 (1.1)	5.6 (1.1) **	4.6 (0.9)	4.8 (0.9) **
Triglycerides (mmol/L) <sup>a</sup>	1.3 (0.8)	1.9 (1.1) **	1.8 (1.3)	2.4 (1.6) **	1.2 (0.8)	1.5 (1.1) **	1.6 (1)	2 (1.3) **	1.4 (0.9)	1.6 (1) **	1.6 (0.9)	2.1 (1.3) **	1.4 (1)	1.8 (1.3) **
HDL Cholesterol (mmol/L) <sup>a</sup>	1.4 (0.4)	1.2 (0.3) **	1.2 (0.3)	1.1 (0.3) **	1.2 (0.4)	1.1 (0.4) *	1.1 (0.3)	1.1 (0.3) **	1.2 (0.4)	1.2 (0.3)	1.2 (0.3)	1.2 (0.3) **	1.2 (0.3)	1.2 (0.3) *
LDL Cholesterol (mmol/L) <sup>a</sup>	3.3 (0.9)	3.1 (1) **	3.3 (0.9)	3.2 (0.9)	2.6 (0.9)	2.7 (0.9)	3.1 (0.8)	3.1 (0.9)	3.1 (1.2)	3.4 (1.2) **	3.5 (1)	3.5 (1.1)	2.7 (0.8)	2.9 (0.8) **
Total Cholesterol to HDL ratio <sup>a</sup>	4.1 (1.3)	4.5 (1.5) **	4.5 (1.3)	4.9 (1.4) **	3.8 (1.4)	4.2 (1.4) *	4.7 (1.4)	4.9 (1.5) **	4.2 (1.3)	4.4 (1.4) **	4.7 (1.4)	5 (1.5) **	4 (1)	4.3 (1.3) **
Current use of tobacco <sup>b</sup>	2935 (17.6)	336 (18)	4313 (21.3)	401 (17.3) **	1351 (24.9)	55 (15) **	1196 (15.5)	220 (10.3) **	6398 (24.6)	691 (15.9) **	1854 (15.7)	246 (12.2) **	9133 (23.3)	472 (19) **
Current use of alcohol <sup>b</sup>	11240 (67.5)	872 (46.6) **	9067 (44.7)	895 (38.5) **	1373 (25)	54 (14.6) **	39 (0.6)	7 (0.4)	2338 (9)	452 (10.4) **	1694 (14.2)	132 (6.5) **	8720 (22.1)	393 (15.8) **
On glucose lowering agent <sup>bd</sup>	0 (0)	807 (68.8)	0 (0)	958 (62.6)	0 (0)	87 (31.5)	0 (0)	1061 (71.5)	0 (0)	806 (29.1)	0 (0)	638 (36.5)	0 (0)	980 (60.8)
On oral hypo glycemic agent <sup>bd</sup>	0 (0)	734 (62.6)	0 (0)	893 (58.3)	0 (0)	81 (29.3)	0 (0)	998 (67.3)	0 (0)	748 (27)	0 (0)	621 (35.5)	0 (0)	907 (56.3)
Insulin <sup>bd</sup>	0 (0)	142 (12.1)	0 (0)	125 (8.2)	0 (0)	10 (3.6)	0 (0)	140 (9.4)	0 (0)	79 (2.9)	0 (0)	27 (1.5)	0 (0)	105 (6.5)
On Bp lowering medication <sup>b</sup>	2560 (15.4)	897 (48) **	4121 (20.3)	1081 (46.5) **	559 (10.1)	103 (27.5) **	854 (11.1)	660 (31) **	818 (3.1)	433 (10) **	1123 (9.4)	505 (24.7) **	3799 (9.6)	644 (25.7) **
On Cholesterol lowering drug <sup>b</sup>	1337 (8)	665 (35.6) **	921 (4.5)	345 (14.8) **	34 (0.6)	19 (5.1) **	322 (4.2)	611 (28.7) **	124 (0.5)	92 (2.1) **	416 (3.5)	354 (17.3) **	400 (1)	103 (4.1) **
On Aspirin <sup>b</sup>	1026 (6.2)	362 (19.4) **	789 (3.9)	296 (12.7) **	337 (6.1)	28 (7.5)	240 (3.1)	378 (17.8) **	85 (0.3)	58 (1.3) **	43 (0.4)	50 (2.4) **	435 (1.1)	78 (3.1) **

DM, self reported diabetes taking antidiabetic medications or fasting glucose  $\geq 7.0$  mmol/L; non-DM, Not on diabetic medication and fasting glucose  $< 7$  mmol/L.

<sup>a</sup> Values are presented as mean (standard deviation); <sup>b</sup> Values are presented as number (percent); <sup>c</sup> Values are presented as median (Interquartile range); <sup>d</sup> percentage calculated for the self-reported diabetes individuals, North America/Europe (n=1,173), South America (n=1,531), Africa (n=276), Middle East (n=1,484), South Asia (n=2,767), South East Asia (n=1,747) and China (n=1,611); \*p<0.05 and \*\*p<0.001 compared to non-diabetic individuals; p<0.001 for all comparisons between the income country groups in both those with diabetes and no diabetes.

**Supplemental Table 2. Age and sex adjusted event rates (per 1000 person years) among diabetes (Physician diagnosed on medication, not on medication and newly-diagnosed) and by country income categories**

Risk factor	High-income countries			Middle-income countries			Low-income countries		
	Physician diagnosed on antidiabetic medication	Physician diagnosed not on antidiabetic medication	Newly diagnosed diabetes	Physician diagnosed on antidiabetic medication	Physician diagnosed not on antidiabetic medication	Newly diagnosed diabetes	Physician diagnosed on antidiabetic medication	Physician diagnosed not on antidiabetic medication	Newly diagnosed diabetes
<b>n</b>	1,032	404	519	3,484	2,805	2,872	821	2,043	1,612
<b>Major CVD</b>	11.6 (9-14.2)	5.3 (2.6-7.9)	5.5 (3.4-7.7)	10.8 (9.3-12.3)	9.1 (7.7-10.4)	8.0 (6.9-9.1)	13.8 (10.2-17.5)	12.4 (10.6-14.1)	6.4 (5.2-7.7)
<b>All-cause mortality</b>	5.0 (3.6-6.4)	4.9 (2.5-7.3)	2.1 (0.8-3.3)	9.8 (8.1-11.5)	10.1 (8.6-11.6)	2.9 (2.2-3.6)	21.0 (16.3-25.7)	17.4 (15.4-19.4)	7.9 (6.1-9.6)
<b>CV mortality</b>	1.4 (0.6-2.1)	1.3 (0-2.8)	0 (0-0)	3.5 (2.5-4.5)	2.6 (1.9-3.3)	0.7 (0.4-1)	8.7 (5.5-11.8)	7.4 (6.2-8.6)	2.3 (1.6-3.1)

Values are presented as age and sex adjusted event rates per 1,000 person years (95% Confidence Interval)

**Supplemental Table 3. Hazards Ratios for all-cause and CV mortality among those with and without diabetes by geographic regions**

	n	North America/Europe	South America	Africa	Middle East	South Asia	South East Asia	China
		HR (95% CI)	HR (95% CI)	HR (95% CI)	HR (95% CI)	HR (95% CI)	HR (95% CI)	HR (95% CI)
<b>All-cause mortality n (%)</b>		509(2.7)	1093(4.8)	658(11.3)	152(1.6)	3172(10.7)	513(4.6)	1494(3.5)
Model-1	138563	1.27(1.00-1.61)	1.67(1.43-1.93)	1.60(1.23-2.08)	0.93(0.65-1.32)	1.20(1.10-1.31)	1.67(1.38-2.02)	1.19(0.99-1.42)
Model-2	119751	1.10(0.85-1.41)	1.54(1.31-1.80)	2.67(1.85-3.85)	0.95(0.65-1.39)	1.31(1.18-1.46)	1.56(1.22-1.99)	1.18(0.98-1.42)
Model-3	119751	0.85(0.60-1.21)	1.06(0.85-1.33)	2.80(1.85-4.23)	0.59(0.32-1.06)	1.22(1.08-1.36)	1.45(1.09-1.92)	1.00(0.78-1.29)
<b>CV mortality n (%)</b>		93(0.5)	284(1.3)	115(2)	55(0.6)	960(3.2)	145(1.3)	474(1.1)
Model-1	138563	2.17(1.37-3.44)	2.09(1.58-2.75)	1.51(0.78-2.92)	0.92(0.51-1.65)	1.76(1.53-2.04)	1.52(1.05-2.18)	1.41(1.04-1.90)
Model-2	119751	1.87(1.15-3.04)	1.68(1.25-2.25)	2.48(0.80-7.69)	0.89(0.47-1.66)	1.72(1.45-2.05)	1.49(0.93-2.38)	1.29(0.95-1.76)
Model-3	119751	1.02(0.49-2.11)	1.27(0.85-1.89)	1.56(0.35-6.99)	0.29(0.09-0.97)	1.63(1.36-1.97)	1.19(0.67-2.09)	1.01(0.67-1.54)

Reference group: Individuals without diabetes; Values are presented as Hazards ratio (95% Confidence Interval)

Model-1: Adjusted for age, sex and center (as random effect).

Model-2: Model-1+ behavioural factors (low physical activity level, smoking), BMI and hypertension.

Model-3: Model-2+treatments (BP lowering drugs, cholesterol lowering drugs, glucose lowering agents and aspirin).

**Supplemental Table 4: Hazards Ratios for all-cause and CV mortality by country income level**

	High-income countries			Middle-income countries			Low-income countries		
	Physician diagnosed on antidiabetic medication	Physician diagnosed not on antidiabetic medication	Newly diagnosed diabetes	Physician diagnosed on antidiabetic medication	Physician diagnosed not on antidiabetic medication	Newly diagnosed diabetes	Physician diagnosed on antidiabetic medication	Physician diagnosed not on antidiabetic medication	Newly diagnosed diabetes
	n=1032	n=404	n=519	n=3484	n=2805	n=2872	n=821	n=2043	n=1612
<b>All-cause mortality n (%)</b>	52(5.1)	17(4.3)	11(2.1)	299(9)	233(8.7)	76(2.6)	168(20.5)	388(19.2)	114(7.1)
Model-1	1.67(1.21-2.30)	1.83(1.12-3.00)	0.65(0.35-1.20)	1.89(1.68-2.14)	1.78(1.54-2.04)	0.57(0.45-0.72)	1.67(1.40-1.98)	1.69(1.44-1.98)	0.59(0.45-0.78)
Model-2	1.55(1.10-2.20)	1.39(0.81-2.41)	0.58(0.31-1.11)	1.86(1.63-2.12)	1.70(1.45-1.99)	0.47(0.35-0.61)	1.93(1.56-2.38)	1.80(1.48-2.19)	0.66(0.47-0.92)
Model-3	1.44(0.99-2.08)	1.32(0.76-2.28)	0.56(0.29-1.07)	1.84(1.61-2.11)	1.70(1.45-2.00)	0.47(0.35-0.61)	2.04(1.64-2.53)	1.84(1.51-2.24)	0.65(0.47-0.92)
<b>CV mortality n (%)</b>	14(1.4)	4(1)	0(0)	106(3.2)	64(2.4)	19(0.7)	71(8.7)	177(8.8)	37(2.3)
Model-1	2.32(1.18-4.58)	2.82(1.00-7.96)	0.00(0.00-0.00)	2.47(2.01-3.04)	1.74(1.33-2.28)	0.51(0.31-0.82)	2.29(1.74-3.01)	2.65(2.11-3.33)	0.58(0.35-0.96)
Model-2	2.00(0.97-4.15)	1.82(0.62-5.30)	0.00(0.00-0.00)	2.20(1.76-2.75)	1.67(1.24-2.25)	0.35(0.20-0.62)	2.39(1.69-3.37)	2.36(1.75-3.19)	0.53(0.27-1.03)
Model-3	1.80(0.82-3.95)	1.81(0.62-5.29)	0.00(0.00-0.00)	2.05(1.62-2.58)	1.63(1.21-2.20)	0.35(0.19-0.61)	2.49(1.74-3.56)	2.39(1.76-3.23)	0.52(0.27-1.02)

Reference group: Individuals without diabetes; Values are presented as HR, Hazards ratio (95% Confidence Interval)

Model-1: Adjusted for age, sex, ethnicity and center (as random effect).

Model-2: Model-1+ behavioural factors (physical activity level, smoking), BMI and hypertension.

Model-3: Model-2+treatments (BP lowering drugs, cholesterol lowering drugs and aspirin).

**Supplemental Table 5: Hazards Ratios for All-cause and CV Mortality by tertiles of individual's wealth index and country income categories**

	N	High-income countries			Middle-income countries			Low-income countries		
		Tertiles-3 (High)	Tertiles-2 (Middle)	Tertiles-1 (Low)	Tertiles-3 (High)	Tertiles-2 (Middle)	Tertiles-1 (Low)	Tertiles-3 (High)	Tertiles-2 (Middle)	Tertiles-1 (Low)
<b>All-cause mortality n (%)</b>		128 (2.2)	119 (2)	146 (3.3)	902 (3)	1187 (3.9)	1681 (5.6)	687 (6.5)	1002 (10.8)	1460 (14.7)
Model-1	121103	1.54(0.99-2.41)	1.22(0.72-2.08)	1.52(1.02-2.27)	1.72(1.46-2.03)	1.39(1.18-1.63)	1.45(1.25-1.68)	1.41(1.18-1.69)	1.35(1.11-1.65)	1.71(1.16-2.53)
Model-2	105711	1.60(0.98-2.60)	1.03(0.58-1.85)	1.21(0.78-1.89)	1.71(1.42-2.05)	1.19(0.98-1.43)	1.42(1.21-1.67)	1.53(1.24-1.88)	1.33(1.04-1.71)	2.43(1.49-3.96)
Model-3	105711	0.86(0.41-1.78)	0.72(0.31-1.68)	1.10(0.60-2.01)	1.41(1.11-1.79)	0.83(0.64-1.08)	1.15(0.93-1.43)	1.26(0.98-1.62)	1.22(0.91-1.62)	2.17(1.28-3.69)
<b>CV mortality n (%)</b>		23 (0.4)	9 (0.2)	27 (0.6)	241 (0.8)	328 (1.1)	484 (1.6)	248 (2.4)	336 (3.6)	343 (3.4)
Model-1	121103	2.52(1.01-6.32)	4.55(1.09-19.1)	0.84(0.28-2.46)	2.02(1.48-2.75)	1.56(1.16-2.08)	1.61(1.23-2.10)	2.00(1.50-2.66)	1.94(1.44-2.61)	2.16(1.10-4.24)
Model-2	105711	3.35(1.18-9.50)	4.27(0.88-20.8)	0.44(0.14-1.37)	2.00(1.43-2.80)	1.24(0.88-1.75)	1.52(1.14-2.01)	1.94(1.39-2.71)	1.58(1.06-2.36)	2.78(1.12-6.88)
Model-3	105711	1.07(0.20-5.82)	2.15(0.21-21.5)	0.52(0.12-2.20)	1.39(0.87-2.21)	0.79(0.48-1.29)	1.10(0.75-1.62)	1.62(1.09-2.42)	1.40(0.88-2.22)	2.54(0.96-6.68)

Reference group: Individuals without diabetes; Values are presented as HR, Hazards ratio (95% Confidence Interval)

Model-1: Adjusted for age, sex, ethnicity and center (as random effect).

Model-2: Model-1+ behavioural factors (physical activity level, smoking), BMI and hypertension.

Model-3: Model-2+treatments (BP lowering drugs, cholesterol lowering drugs, glucose lowering agents and aspirin).