

Supplemental Table S3 - Results of Cox models with backward variables selection in the three different periods of exposure

<b>1 year exposure</b>	<b>HR (95% CI)</b>	<b>p-value</b>
HbA1c (%) 5.7-6.4 vs <5.7	1.24 ( 1.13-1.35)	<.0001
HbA1c (%) 6.5-7.0 vs <5.7	1.42 ( 1.30-1.56)	<.0001
HbA1c (%) 7.1-8.0 vs <5.7	1.49 ( 1.36-1.64)	<.0001
HbA1c (%) >8.0 vs <5.7	1.56 ( 1.42-1.72)	<.0001
eGFR (ml/min/1.73m <sup>2</sup> ) < 60 vs ≥60	1.18 ( 1.12-1.23)	<.0001
Male vs Female	2.53 ( 2.42-2.63)	<.0001
Glinides Yes vs No	0.84 ( 0.77-0.91)	<.0001
Thiazolidinediones Yes vs No	0.52 ( 0.45-0.61)	<.0001
GLP1-RAs Yes vs No	1.23 ( 1.08-1.41)	0.0027
Insulin Yes vs No	1.23 ( 1.18-1.29)	<.0001
Metformin Yes vs No	0.82 ( 0.79-0.85)	<.0001
SGLT2i Yes vs No	2.10 ( 1.88-2.35)	<.0001
Microalbuminuria Yes vs No	1.10 ( 1.05-1.15)	<.0001
Antihypertensive medication Yes vs No	1.48 ( 1.42-1.54)	<.0001
Statins Yes vs No	2.04 ( 1.96-2.12)	<.0001
Smoking Yes vs No	1.10 ( 1.04-1.16)	0.0004
Age (in years) by 5	1.15 ( 1.14-1.16)	<.0001
BMI	0.99 ( 0.98-0.99)	<.0001
Diastolic blood pressure (mmHg) by 5	0.96 ( 0.95-0.96)	<.0001
Total cholesterol (mmol/l) by 10	0.97 ( 0.96-0.98)	<.0001
HDL cholesterol (mmol/l) by 10	0.85 ( 0.84-0.87)	<.0001
LDL cholesterol (mmol/l) by 10	0.94 ( 0.93-0.95)	<.0001

<b>2 year exposure</b>	<b>HR (95% CI)</b>	<b>p-value</b>
HbA1c (%) 5.7-6.4 vs <5.7	1.27 ( 1.16-1.41)	<.0001
HbA1c (%) 6.5-7.0 vs <5.7	1.40 ( 1.27-1.55)	<.0001
HbA1c (%) 7.1-8.0 vs <5.7	1.54 ( 1.40-1.71)	<.0001
HbA1c (%) >8.0 vs <5.7	1.66 ( 1.49-1.84)	<.0001
HbA1c at diagnosis (%) 7.0-8.0 vs 3.0-6.9	0.99 ( 0.93-1.06)	0.8489
HbA1c at diagnosis (%) 8.1-9.0 vs 3.0-6.9	1.03 ( 0.95-1.11)	0.5382
HbA1c at diagnosis (%) >9.0 vs 3.0-6.9	0.98 ( 0.92-1.05)	0.6488
HbA1c at diagnosis (%) NA vs 3.0-6.9	1.05 ( 1.00-1.11)	0.0389
eGFR (ml/min/1.73m2) < 60 vs ≥60	1.21 ( 1.15-1.26)	<.0001
Male vs Female	2.59 ( 2.48-2.71)	<.0001
Glinides Yes vs No	0.90 ( 0.84-0.97)	0.0078
Thiazolidinediones Yes vs No	0.61 ( 0.53-0.69)	<.0001
GLP1-RAs Yes vs No	1.16 ( 1.03-1.31)	0.0169
Insulin Yes vs No	1.20 ( 1.15-1.26)	<.0001
Metformin Yes vs No	0.87 ( 0.83-0.90)	<.0001
SGLT2i Yes vs No	1.85 ( 1.65-2.09)	<.0001
Microalbuminuria Yes vs No	1.07 ( 1.02-1.11)	0.0034
Antihypertensive medication Yes vs No	1.56 ( 1.50-1.63)	<.0001
Statins Yes vs No	2.03 ( 1.95-2.11)	<.0001
Smoking Yes vs No	1.11 ( 1.05-1.17)	0.0001
Age (in years) by 5	1.15 ( 1.14-1.16)	<.0001
BMI	0.99 ( 0.98-0.99)	<.0001
Diastolic blood pressure (mmHg) by 5	0.95 ( 0.94-0.96)	<.0001
Total cholesterol (mmol/l) by 10	0.98 ( 0.97-0.99)	<.0001
HDL cholesterol (mmol/l) by 10	0.85 ( 0.84-0.87)	<.0001
LDL cholesterol (mmol/l) by 10	0.93 ( 0.92-0.94)	<.0001
HbA1c measurements during exposure period	1.03 ( 1.02-1.04)	<.0001

<b>3 year exposure</b>	<b>HR (95% CI)</b>	<b>p-value</b>
HbA1c (%) 5.7-6.4 vs <5.7	1.27 ( 1.13-1.42)	<.0001
HbA1c (%) 6.5-7.0 vs <5.7	1.43 ( 1.28-1.60)	<.0001
HbA1c (%) 7.1-8.0 vs <5.7	1.60 ( 1.42-1.79)	<.0001
HbA1c (%) >8.0 vs <5.7	1.77 ( 1.57-2.00)	<.0001
HbA1c at diagnosis (%) 7.0-8.0 vs 3.0-6.9	1.02 ( 0.95-1.09)	0.5833
HbA1c at diagnosis (%) 8.1-9.0 vs 3.0-6.9	1.03 ( 0.94-1.12)	0.5073
HbA1c at diagnosis (%) >9.0 vs 3.0-6.9	1.01 ( 0.94-1.09)	0.7218
HbA1c at diagnosis (%) NA vs 3.0-6.9	1.08 ( 1.02-1.14)	0.0048
eGFR (ml/min/1.73m2) < 60 vs ≥60	1.19 ( 1.13-1.25)	<.0001
Male vs Female	2.65 ( 2.53-2.78)	<.0001
Glinides Yes vs No	0.90 ( 0.83-0.97)	0.0077
Thiazolidinediones Yes vs No	0.63 ( 0.55-0.70)	<.0001
Insulin Yes vs No	1.20 ( 1.14-1.27)	<.0001
Metformin Yes vs No	0.86 ( 0.83-0.90)	<.0001
SGLT2i Yes vs No	1.70 ( 1.50-1.92)	<.0001
Microalbuminuria Yes vs No	1.07 ( 1.02-1.12)	0.0028
Antihypertensive medication Yes vs No	1.64 ( 1.56-1.72)	<.0001
Statins Yes vs No	2.11 ( 2.02-2.21)	<.0001
Smoking Yes vs No	1.09 ( 1.03-1.15)	0.0041
Age (in years) by 5	1.14 ( 1.13-1.16)	<.0001
BMI	0.99 ( 0.98-0.99)	<.0001
Systolic blood pressure (mmHg) by 5	0.99 ( 0.99-1.00)	0.0211
Diastolic blood pressure (mmHg) by 5	0.95 ( 0.94-0.97)	<.0001
Total cholesterol (mmol/l) by 10	0.98 ( 0.97-0.99)	<.0001
HDL cholesterol (mmol/l) by 10	0.85 ( 0.84-0.87)	<.0001
LDL cholesterol (mmol/l) by 10	0.93 ( 0.92-0.95)	<.0001
HbA1c measurements during exposure period	1.04 ( 1.03-1.05)	<.0001