Report Supplementary Material 11: Table S11: Objective 4– adjusted impact of SMI on physical and mental health outcomes for people with type 2 diabetes (extended models)

Table S11: Objective 4 table – Adjusted impact of SMI on physical and mental health outcomes for people with type 2 diabetes (extended models)

	Macrovascular complications - Primary care diagnosis			Macrovascular complications - hospital admissions (emergency)			Macrovascular complications - hospital admissions (elective)			All-cause mortality			Depression and anxiety		
	OR	95% CI	*p*	IRR	95% CI	*p*	IRR	95% CI	*p*	HR	95% CI	*p*	OR	95% CI	*p*
Age (at follow-up start)	0.867	[0.754 - 0.998]	0.046	1.048	[1.021 - 1.075]	<0.001	1.018	[0.973 - 1.066]	0.442	0.987	[0.887 - 1.098]	0.807	0.941	[0.865 - 1.025]	0.163
Ethnicity, reference = White															
Asian	1.140	[0.719 - 1.809]	0.577	1.165	[0.758 - 1.790]	0.486	1.800	[0.973 - 3.328]	0.061	0.496	[0.265 - 0.929]	0.029	0.732	[0.536 - 1.000]	0.050
Black	1.223	[0.651 - 2.297]	0.532	1.190	[0.670 - 2.114]	0.553	0.664	[0.233 - 1.890]	0.443	1.082	[0.614 - 1.910]	0.785	0.458	[0.307 - 0.681]	<0.001
Mix, other and unknown	0.639	[0.433 - 0.945]	0.025	0.341	[0.210 - 0.554]	<0.001	0.291	[0.128 - 0.662]	0.003	2.119	[1.467 - 3.061]	<0.001	0.460	[0.349 - 0.605]	<0.001
Patient IMD 2010, reference = 1st quintile (least deprived)															
2nd quintile	1.263	[0.869 - 1.836]	0.220	1.149	[0.839 - 1.572]	0.386	1.309	[0.832 - 2.060]	0.245	1.060	[0.762 - 1.474]	0.731	0.984	[0.751 - 1.290]	0.907
3rd quintile	2.128	[1.495 - 3.030]	<0.001	1.364	[0.990 - 1.880]	0.058	1.054	[0.658 - 1.689]	0.826	1.618	[1.196 - 2.191]	0.002	1.269	[0.991 - 1.625]	0.059
4th quintile	1.720	[1.150 - 2.572]	0.008	1.227	[0.888 - 1.696]	0.215	1.348	[0.844 - 2.151]	0.211	1.534	[1.120 - 2.101]	0.008	1.361	[1.037 - 1.785]	0.026
5th quintile (most deprived)	1.327	[0.890 - 1.980]	0.166	1.261	[0.894 - 1.777]	0.186	1.162	[0.707 - 1.911]	0.553	1.376b	[0.981 - 1.932]	0.065	1.442	[1.102 - 1.888]	0.008
Missing	1.509	[0.078 - 29.119]	0.785	1.485	[0.143 - 15.375]	0.740	0.000	[0.000 - .]	0.997	2.020	[0.294 - 13.883]	0.475	3.180	[0.956 - 10.577]	0.059
Diagnosis of SMI	0.970	[0.794 - 1.185]	0.765	1.111	[0.929 - 1.328]	0.250	0.631	[0.460 - 0.865]	0.004	1.790	[1.499 - 2.137]	<0.001	1.844	[1.616 - 2.103]	<0.001

	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p
T2DM status - duration (years)				1.035	[1.011 - 1.061]	0.005	1.032	[0.992 - 1.075]	0.120						
Comorbidities															
Cardiovascular disease	3.199	[2.558 - 4.000]	<0.001	2.473	[2.029 - 3.014]	<0.001	2.753	[2.052 - 3.693]	<0.001	1.268	[1.027 - 1.565]	0.027			
Charlson index comorbidities (count)										1.371	[1.227 - 1.533]	<0.001	1.238	[1.135 - 1.349]	<0.001
Medications															
Antihypertensive				1.313	[1.068 - 1.614]	0.010	1.392	[1.027 - 1.887]	0.033						
Lipid lowering drugs	1.300	[1.031 - 1.639]	0.026	1.333	[1.089 - 1.632]	0.005	1.823	[1.357 - 2.450]	<0.001						
Antidiabetics										2.466	[1.674 - 3.633]	<0.001			
Family history of diabetes										0.684	[0.518 - 0.903]	0.007			
Substance use										4.763	[1.409 - 16.098]	0.012	2.402	[1.288 - 4.479]	0.006
Smoking status, reference = Non smoker															
Ex-smoker	1.167	[0.906 - 1.504]	0.233	0.987	[0.769 - 1.267]	0.919				1.139	[0.887 - 1.462]	0.307			
Current smoker	1.890	[1.394 - 2.564]	<0.001	1.351	[1.026 - 1.779]	0.032				1.497	[1.149 - 1.949]	0.003			
Missing	1.152	[0.880 - 1.508]	0.305	1.116	[0.885 - 1.407]	0.353				1.138	[0.890 - 1.454]	0.303			
Blood pressure (systolic), baseline: ≤140 mmHg															
>140 mmHg	1.260	[1.020 - 1.556]	0.032	1.261	[1.046 - 1.521]	0.015									
Missing	1.254	[0.948 - 1.658]	0.112	1.244	[0.938 - 1.648]	0.129									
HbA$_{1c}$^{a}, reference: ≤ 7.5%															
> 7.5%	1.523	[1.152 - 2.013]	0.003				1.388	[0.969 - 1.987]	0.073						

	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p
Missing	1.203	[0.971 - 1.492]	0.092				0.848	[0.609 - 1.182]	0.331						
length of follow-up in years	1.033	[1.000 - 1.066]	0.047	1.020	[0.992 - 1.048]	0.160	1.152	[1.094 - 1.213]	<0.001				1.101	[1.074 - 1.128]	<0.001
Constant				0.005	[0.001 - 0.028]	<0.001	0.004	[0.000 - 0.065]	<0.001						
Financial year dummies	Yes			Yes			Yes			Yes			Yes		
Time-varying variables															
Antidiabetics										0.918	[0.868 - 0.971]	0.003			
Patients	3,159			2,988			1,772			9,965			5,969		
Case-control clusters	657			624			367						1,277		
C statistic	0.669												0.686		
Failures										1,384					
Time at risk (years)										61645.306					

Robust 95% CI in brackets. a. HbA$_{1c}$ 7.5% = 58 mmol/mol.