

Report Supplementary Material 7: Table S7: Objective 3– adjusted impact of type 2 diabetes on physical and mental health outcomes for people with SMI (extended models)

Table S7: Objective 3 table - Adjusted impact of type 2 diabetes on physical and mental health outcomes for people with SMI (extended models)

	Macrovascular complications - Primary care diagnosis			Macrovascular complications - hospital admissions			Microvascular complications			All-cause mortality			SMI relapses		
	OR	95% CI	p	IRR	95% CI	p	HR	95% CI	p	HR	95% CI	p	OR	95% CI	p
Age (at follow-up start)	1.185	[1.142 - 1.230]	<0.001	1.194	[1.155 - 1.234]	<0.001	1.067	[1.030 - 1.104]	<0.001	1.039	[1.024 - 1.053]	<0.001	0.992	[0.990 - 0.994]	<0.001
Age squared	0.999	[0.999 - 0.999]	<0.001	0.999	[0.999 - 0.999]	<0.001	1.000	[0.999 - 1.000]	0.016	1.000	[1.000 - 1.000]	<0.001			
Gender, reference = Male															
Female	0.743	[0.643 - 0.858]	<0.001	0.744	[0.638 - 0.868]	<0.001	0.802	[0.628 - 1.023]	0.076	0.679	[0.612 - 0.753]	<0.001	1.134	[1.078 - 1.193]	<0.001
Ethnicity, reference = White															
Asian	0.860	[0.527 - 1.404]	0.546	1.177	[0.762 - 1.819]	0.462	1.196	[0.875 - 1.634]	0.262	0.479	[0.340 - 0.674]	<0.001	0.995	[0.862 - 1.150]	0.949
Black	0.911	[0.553 - 1.498]	0.712	0.639	[0.389 - 1.051]	0.078	1.056	[0.669 - 1.668]	0.815	0.873	[0.661 - 1.153]	0.338	1.223	[1.065 - 1.404]	0.004
Mix, other and unknown	0.777	[0.580 - 1.041]	0.091	0.304	[0.179 - 0.515]	<0.001	0.692	[0.447 - 1.071]	0.098	1.743	[1.542 - 1.972]	<0.001	0.456	[0.406 - 0.512]	<0.001
Patient IMD 2010, reference = 1st quintile (least deprived)															
2nd quintile	0.875	[0.693 - 1.104]	0.260	1.144	[0.913 - 1.435]	0.242	1.188	[0.916 - 1.539]	0.194	1.109	[0.975 - 1.262]	0.115	0.972	[0.872 - 1.083]	0.604
3rd quintile	1.065	[0.855 - 1.327]	0.574	1.099	[0.868 - 1.391]	0.433	1.046	[0.802 - 1.365]	0.740	1.094	[0.959 - 1.248]	0.181	0.969	[0.869 - 1.080]	0.564
4th quintile	1.182	[0.945 - 1.478]	0.144	1.207	[0.974 - 1.496]	0.086	1.136	[0.859 - 1.501]	0.372	1.149	[1.017 - 1.299]	0.026	1.051	[0.949 - 1.164]	0.341
5th quintile (most deprived)	1.184	[0.944 - 1.485]	0.145	1.369	[1.073 - 1.747]	0.011	0.933	[0.691 - 1.260]	0.649	1.359	[1.188 - 1.553]	<0.001	1.084	[0.974 - 1.206]	0.140
Missing	1.597	[0.253 - 10.067]	0.618	0.607	[0.073 - 5.021]	0.644	2.600	[0.700 - 9.657]	0.154	3.027	[1.554 - 5.897]	0.001	1.551	[0.576 - 4.176]	0.385

Diagnosis of T2DM	1.350	[1.099 - 1.658]	0.004	1.650	[1.329 - 2.050]	<0.001	20.858	[16.301 - 26.689]	<0.001	1.261	[1.135 - 1.402]	<0.001	1.118	[1.022 - 1.223]	0.015
SMI status															
Duration (years)							0.951	[0.930 - 0.973]	<0.001	0.878	[0.868 - 0.888]	<0.001	0.990	[0.987 - 0.993]	<0.001
Type, <i>reference</i> = Schizophrenia															
Schizoaffective disorder				1.405	[1.010 - 1.954]	0.044				1.326	[1.113 - 1.580]	0.002	1.594	[1.393 - 1.825]	<0.001
Bipolar disorder				0.981	[0.828 - 1.161]	0.822				0.869	[0.798 - 0.946]	0.001	1.090	[1.024 - 1.162]	0.007
Depression and psychosis				1.091	[0.821 - 1.452]	0.548				0.847	[0.727 - 0.986]	0.032	1.161	[1.029 - 1.311]	0.016
Other affective disorder, mixed and missing				1.328	[0.765 - 2.306]	0.313				0.987	[0.734 - 1.328]	0.933	0.524	[0.347 - 0.790]	0.002
Comorbidities															
Cardiovascular disease	2.398	[1.925 - 2.987]	<0.001	2.389	[1.939 - 2.943]	<0.001	1.419	[1.089 - 1.849]	0.010	1.077	[0.928 - 1.250]	0.331			
Hypertension	1.246	[1.026 - 1.513]	0.026												
Dementia										1.168	[0.966 - 1.412]	0.110	0.442	[0.337 - 0.581]	<0.001
Learning disability													0.471	[0.345 - 0.643]	<0.001
Charlson index comorbidities (count)										1.219	[1.157 - 1.285]	<0.001			
Medications															
Antidepressants	1.138	[0.976 - 1.328]	0.099	1.160	[0.995 - 1.354]	0.058							0.866	[0.818 - 0.918]	<0.001
Antipsychotics - typical										1.282	[1.171 - 1.403]	<0.001	1.130	[1.050 - 1.215]	0.001
Antipsychotics - atypical										1.090	[0.981 - 1.212]	0.110			

Antihypertensive				1.255	[1.044 - 1.508]	0.016		1.238	[1.126 - 1.361]	<0.001	
Lipid lowering drugs	1.384	[1.068 - 1.794]	0.014	1.947	[1.514 - 2.504]	<0.001		0.868	[0.772 - 0.977]	0.019	
Antidiabetics	1.468	[1.077 - 2.002]	0.015								
Family history of diabetes								0.720	[0.597 - 0.869]	0.001	
Substance use								2.052	[1.588 - 2.650]	<0.001	
Smoking status, reference = Non smoker											
Ex-smoker	1.013	[0.740 - 1.386]	0.937	1.122	[0.844 - 1.491]	0.428			1.046	[0.940 - 1.164]	0.406
Current smoker	1.869	[1.486 - 2.350]	<0.001	1.324	[1.054 - 1.663]	0.016			1.122	[1.033 - 1.219]	0.006
Missing	1.219	[0.966 - 1.539]	0.095	1.052	[0.840 - 1.317]	0.661			1.157	[1.055 - 1.268]	0.002
Blood pressure (systolic), baseline: ≤140 mmHg											
>140 mmHg	1.228	[1.019 - 1.480]	0.031	1.405	[1.155 - 1.710]	0.001			1.127	[1.029 - 1.234]	0.010
Missing	1.094	[0.905 - 1.324]	0.352	1.071	[0.875 - 1.312]	0.505			1.142	[1.065 - 1.225]	<0.001
Cholesterol, reference: ≤ 5 mmol/L											
> 5 mmol/L	1.399	[1.075 - 1.820]	0.012	1.499	[1.136 - 1.978]	0.004					
Missing	1.270	[0.962 - 1.676]	0.092	1.268	[0.948 - 1.694]	0.109					
HbA_{1c}, reference: ≤ 7.5%											
> 7.5%							1.893	[1.428 - 2.509]		<0.001	
Missing							1.078	[0.825 - 1.409]		0.582	
Length of follow-up in years	1.099	[1.077 - 1.121]	<0.001	1.123	[1.103 - 1.143]	<0.001			1.083	[1.072 - 1.093]	<0.001

Constant	0.000	[0.000 - 0.000]	<0.001	0.000	[0.000 - 0.000]	<0.001				0.548	[0.445 - 0.676]	<0.001
Financial year dummies	Yes			Yes			Yes		Yes			
Time-varying variables												
Gender - Female							1.010	[0.999 - 1.022]	0.071	1.005	[1.000 - 1.010]	0.047
Comorbidities - Cardiovascular disease										1.006	[1.000 - 1.013]	0.066
Comorbidities - Dementia										1.010	[1.000 - 1.019]	0.040
Medications - Antipsychotics (atypical)										1.011	[1.005 - 1.016]	<0.001
Patients	26,975			26,977			26,643			26,977		26,977
Practices	384			384								384
C statistic	0.860											0.715
Failures							688			3,038		
Time at risk (years)							161524.9			165625.5		
							12			00		

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