

Report Supplementary Material 5: Table S5: Objective 3– adjusted impact of type 2 diabetes on physical and mental health outcomes for people with SMI (core models)

Table S5: Objective 3 table - Adjusted impact of type 2 diabetes on physical and mental health outcomes for people with SMI (core 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)	1.192	[1.149 - 1.237]	<0.001	1.202	[1.163 - 1.243]	<0.001	1.071	[1.034 - 1.108]	<0.001	1.037	[1.023 - 1.052]	<0.001	0.992	[0.990 - 0.993]	<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]	0.008	1.000	[1.000 - 1.000]	<0.001			
Gender, reference = Male															
Female	0.745	[0.647 - 0.858]	<0.001	0.744	[0.639 - 0.867]	<0.001	0.800	[0.626 - 1.021]	0.073	0.671	[0.605 - 0.744]	<0.001	1.111	[1.058 - 1.168]	<0.001
Ethnicity, reference = White															
Asian	0.783	[0.481 - 1.275]	0.325	1.117	[0.727 - 1.719]	0.613	1.195	[0.875 - 1.633]	0.263	0.464	[0.330 - 0.652]	<0.001	0.978	[0.846 - 1.131]	0.764
Black	0.875	[0.534 - 1.434]	0.595	0.631	[0.381 - 1.046]	0.074	1.092	[0.680 - 1.755]	0.716	0.838	[0.635 - 1.107]	0.213	1.203	[1.048 - 1.382]	0.009
Mix, other and unknown	0.768	[0.574 - 1.026]	0.074	0.307	[0.179 - 0.525]	<0.001	0.698	[0.451 - 1.079]	0.105	1.739	[1.538 - 1.966]	<0.001	0.460	[0.410 - 0.516]	<0.001
Patient IMD 2010, reference = 1st quintile (least deprived)															
2nd quintile	0.884	[0.700 - 1.115]	0.298	1.135	[0.905 - 1.425]	0.273	1.166	[0.903 - 1.506]	0.238	1.111	[0.977 - 1.264]	0.107	0.976	[0.875 - 1.087]	0.654
3rd quintile	1.093	[0.878 - 1.361]	0.426	1.117	[0.882 - 1.415]	0.358	1.025	[0.787 - 1.334]	0.854	1.100	[0.964 - 1.255]	0.156	0.973	[0.872 - 1.085]	0.618
4th quintile	1.220	[0.976 - 1.524]	0.081	1.235	[0.997 - 1.531]	0.053	1.121	[0.852 - 1.475]	0.415	1.155	[1.022 - 1.305]	0.021	1.056	[0.953 - 1.170]	0.300
5th quintile (most deprived)	1.234	[0.985 - 1.545]	0.068	1.387	[1.090 - 1.764]	0.008	0.925	[0.686 - 1.246]	0.608	1.371	[1.199 - 1.568]	<0.001	1.089	[0.977 - 1.213]	0.123
Missing	1.771	[0.325 - 9.665]	0.509	0.579	[0.079 - 4.234]	0.590	2.500	[0.690 - 9.059]	0.163	3.064	[1.571 - 5.978]	0.001	1.554	[0.578 - 4.177]	0.382

Diagnosis of T2DM	1.361	[1.108 - 1.671]	0.003	1.624	[1.314 - 2.007]	<0.001	22.229	[17.792 - 27.772]	<0.001	1.243	[1.122 - 1.378]	<0.001	1.096	[1.002 - 1.199]	0.045
SMI status															
Duration (years)							0.956	[0.935 - 0.978]	<0.001	0.879	[0.869 - 0.890]	<0.001	0.989	[0.985 - 0.992]	<0.001
Type, reference = Schizophrenia															
Schizoaffective disorder				1.396	[1.002 - 1.944]	0.049				1.324	[1.112 - 1.576]	0.002	1.578	[1.379 - 1.805]	0.000
Bipolar disorder				0.969	[0.819 - 1.147]	0.717				0.868	[0.798 - 0.945]	0.001	1.080	[1.014 - 1.150]	0.016
Depression and psychosis				1.073	[0.807 - 1.427]	0.630				0.848	[0.729 - 0.986]	0.032	1.154	[1.023 - 1.302]	0.020
Other affective disorder, mixed and missing				1.313	[0.746 - 2.312]	0.345				0.975	[0.720 - 1.320]	0.868	0.523	[0.347 - 0.787]	0.002
Comorbidities															
Cardiovascular disease	2.320	[1.869 - 2.879]	0.000	2.348	[1.907 - 2.892]	0.000	1.426	[1.093 - 1.861]	0.009	1.151	[1.014 - 1.306]	0.030			
Hypertension	1.234	[1.023 - 1.490]	0.028												
Dementia										1.159	[0.958 - 1.402]	0.129	0.438	[0.334 - 0.575]	0.000
Learning disability													0.458	[0.337 - 0.622]	0.000
Charlson index comorbidities (count)										1.214	[1.152 - 1.280]	0.000			
Medications															
Antidepressants	1.141	[0.979 - 1.330]	0.091	1.173	[1.006 - 1.369]	0.041							0.861	[0.813 - 0.912]	0.000
Antipsychotics - typical										1.289	[1.177 - 1.412]	0.000	1.123	[1.045 - 1.208]	0.002
Antipsychotics - atypical										1.089	[0.979 - 1.211]	0.117			

Antihypertensive				1.310	[1.096 - 1.565]	0.003		1.239	[1.129 - 1.361]	0.000			
Lipid lowering drugs	1.280	[1.012 - 1.619]	0.040	1.826	[1.440 - 2.315]	0.000		0.869	[0.773 - 0.975]	0.017			
Antidiabetics	1.378	[1.014 - 1.874]	0.041										
Length of follow-up (years)	1.092	[1.071 - 1.114]	0.000	1.120	[1.100 - 1.140]	0.000					1.083	[1.073 - 1.093]	0.000
Constant	0.000	[0.000 - 0.000]		0.000	[0.000 - 0.000]	0.000					0.710	[0.584 - 0.864]	
Financial year dummies	Yes			Yes			Yes				Yes		
Time-varying variables													
Gender - Female							1.010	[0.999 - 1.022]	0.066	1.005	[1.000 - 1.010]	0.050	
Comorbidities - Cardiovascular disease										1.011	[1.002 - 1.020]	0.021	
Comorbidities - Dementia										1.011	[1.006 - 1.016]	0.000	
Medications - Antipsychotics (atypical)													
Patients	26,975			26,977			26,643			26,977		26,977	
Practices	384			384								384	
C statistic	0.857											0.713	
Failures							688			3,038			
Time at risk (years)							161524.912			165625.500			

Robust 95% CI in brackets