

Report Supplementary Material 6: Table 49: Objective 3- adjusted impact of type 2 diabetes on physical health checks for people with SMI (core models)

Table 49: Objective 3 table - Adjusted impact of type 2 diabetes on physical health checks for people with SMI (core models)

	Health checks - blood pressure			Health checks - cholesterol			Health checks - glucose			Health checks - BMI	
	IRR	95% CI	p	IRR	95% CI	p	IRR	95% CI	p	IRR	95% CI
Age (at follow-up start)	1.040	[1.036 - 1.045]	<0.001	1.091	[1.085 - 1.096]	<0.001	1.059	[1.054 - 1.063]	<0.001	1.040	[1.035 - 1.046]
Age squared	1.000	[1.000 - 1.000]	<0.001	0.999	[0.999 - 0.999]	<0.001	1.000	[1.000 - 1.000]	<0.001	1.000	[1.000 - 1.000]
Gender, reference = Male											
Female	1.245	[1.210 - 1.282]	<0.001	0.980	[0.956 - 1.005]	0.120	1.099	[1.069 - 1.131]	<0.001	1.274	[1.234 - 1.316]
Ethnicity, reference = White											
Asian	1.136	[1.056 - 1.223]	0.001	1.090	[1.024 - 1.161]	0.007	1.173	[1.082 - 1.271]	<0.001	1.049	[0.972 - 1.132]
Black	1.009	[0.939 - 1.084]	0.812	0.967	[0.901 - 1.038]	0.358	1.059	[0.972 - 1.154]	0.193	1.017	[0.929 - 1.114]
Mix, other and unknown	0.845	[0.802 - 0.891]	<0.001	0.820	[0.777 - 0.866]	<0.001	0.818	[0.772 - 0.867]	<0.001	0.829	[0.781 - 0.880]
Patient IMD 2010, reference = 1st quintile (least deprived)											
2nd quintile	1.008	[0.961 - 1.057]	0.741	0.995	[0.954 - 1.038]	0.832	1.017	[0.967 - 1.070]	0.505	1.051	[0.992 - 1.113]
3rd quintile	0.970	[0.925 - 1.017]	0.210	0.971	[0.927 - 1.017]	0.219	0.987	[0.933 - 1.046]	0.666	1.050	[0.994 - 1.109]
4th quintile	0.999	[0.951 - 1.049]	0.962	0.974	[0.929 - 1.021]	0.270	0.987	[0.932 - 1.046]	0.664	1.060	[1.002 - 1.121]
5th quintile (most deprived)	0.978	[0.931 - 1.029]	0.395	0.955	[0.907 - 1.006]	0.082	0.979	[0.920 - 1.041]	0.491	1.092	[1.030 - 1.159]
Missing	0.812	[0.521 - 1.265]	0.357	0.812	[0.532 - 1.239]	0.334	0.537	[0.345 - 0.838]	0.006	1.468	[0.685 - 3.146]
Diagnosis of T2DM	1.624	[1.566 - 1.684]	<0.001	2.284	[2.195 - 2.376]	<0.001	2.032	[1.909 - 2.163]	<0.001	2.033	[1.926 - 2.146]

SMI statusType, *reference* = Schizophrenia

Schizoaffective disorder	1.064	[1.007 - 1.123]	0.027	1.147	[1.079 - 1.220]	<0.001	1.184	[1.087 - 1.290]	<0.001	1.109	[1.024 - 1.201]
Bipolar disorder	1.107	[1.072 - 1.144]	<0.001	1.142	[1.110 - 1.176]	<0.001	1.129	[1.092 - 1.167]	<0.001	1.076	[1.036 - 1.117]
Depression and psychosis	1.034	[0.985 - 1.086]	0.173	1.061	[1.013 - 1.111]	0.012	1.046	[0.995 - 1.100]	0.081	1.053	[0.995 - 1.114]
Other affective disorder, mixed and missing	1.030	[0.935 - 1.135]	0.547	1.022	[0.863 - 1.210]	0.803	1.052	[0.902 - 1.226]	0.519	0.911	[0.771 - 1.075]

Comorbidities

Cardiovascular disease	1.086	[1.023 - 1.153]	0.006	1.383	[1.299 - 1.472]	<0.001	1.132	[1.062 - 1.208]	<0.001	1.074	[0.994 - 1.161]
Hypertension	1.560	[1.482 - 1.643]	<0.001	1.196	[1.142 - 1.251]	<0.001	1.119	[1.069 - 1.171]	<0.001	1.117	[1.046 - 1.194]
Dementia	0.745	[0.664 - 0.835]	<0.001	0.771	[0.677 - 0.878]	<0.001	0.743	[0.651 - 0.848]	<0.001	0.805	[0.707 - 0.916]
Learning disability	1.368	[1.235 - 1.514]	<0.001	1.325	[1.181 - 1.487]	<0.001	1.384	[1.234 - 1.553]	<0.001	1.565	[1.393 - 1.758]
Charlson index comorbidities (count)	1.048	[1.025 - 1.071]	<0.001				1.040	[1.017 - 1.063]	0.001	1.089	[1.060 - 1.119]

Medications

Antidepressants	1.126	[1.100 - 1.152]	<0.001	1.081	[1.052 - 1.111]	<0.001	1.108	[1.078 - 1.139]	<0.001	1.116	[1.081 - 1.151]
Antipsychotics - typical	1.134	[1.095 - 1.175]	<0.001	1.066	[1.034 - 1.099]	<0.001	1.122	[1.083 - 1.163]	<0.001	1.218	[1.167 - 1.272]
Antipsychotics - atypical	1.055	[1.029 - 1.082]	<0.001	1.113	[1.082 - 1.144]	<0.001	1.144	[1.107 - 1.183]	<0.001	1.123	[1.086 - 1.160]
Antihypertensive	1.291	[1.221 - 1.365]	<0.001	1.090	[1.043 - 1.140]	<0.001	1.104	[1.057 - 1.153]	<0.001	1.113	[1.044 - 1.186]
Lipid lowering drugs	1.059	[1.015 - 1.106]	0.009	1.312	[1.256 - 1.371]	<0.001	1.069	[1.017 - 1.123]	0.008	1.091	[1.030 - 1.156]
Antidiabetics										1.195	[1.098 - 1.300]

Length of follow-up (years)

1.245	[1.238 - 1.252]	<0.001	1.295	[1.287 - 1.303]	<0.001	1.241	[1.232 - 1.250]	<0.001	1.263	[1.254 - 1.273]
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Constant

0.195	[0.169 - 0.225]	<0.001	0.013	[0.011 - 0.016]	<0.001	0.053	[0.045 - 0.062]	<0.001	0.115	[0.096 - 0.137]
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Financial year dummies

Yes			Yes			Yes			Yes	
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Patients	26,977		26,977			26,977			26,977
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Practices	384		384			384			384
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C statistic		<0.001			<0.001			<0.001	
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Robust 95% CI in brackets.