

Report Supplementary Material 12: Table S12: Objective 4– adjusted impact of SMI on physical health checks for people with type 2 diabetes (extended models)

Table S12: Objective 4 table – Adjusted impact of SMI on physical health checks for people with type 2 diabetes (extended models)

	Health checks - blood pressure			Health checks - cholesterol			Health checks – HbA _{1c}			Health checks - BMI		
	IRR	95% CI	<i>p</i>	IRR	95% CI	<i>p</i>	IRR	95% CI	<i>p</i>	IRR	95% CI	<i>p</i>
Age (at follow-up start)	1.036	[1.022 - 1.051]	<0.001	1.036	[1.020 - 1.052]	<0.001	1.050	[1.036 - 1.065]	<0.001	1.038	[1.023 - 1.054]	<0.001
Age squared	1.000	[1.000 - 1.000]	<0.001	1.000	[1.000 - 1.000]	<0.001	1.000	[0.999 - 1.000]	<0.001	1.000	[1.000 - 1.000]	<0.001
Ethnicity, reference = White												
Asian	1.070	[1.019 - 1.124]	0.006	0.992	[0.951 - 1.035]	0.704	1.010	[0.970 - 1.052]	0.625	0.969	[0.917 - 1.023]	0.253
Black	1.086	[1.019 - 1.158]	0.012	0.977	[0.923 - 1.035]	0.436	0.999	[0.946 - 1.055]	0.978	1.024	[0.952 - 1.100]	0.530
Mix, other and unknown	0.930	[0.892 - 0.969]	0.001	0.946	[0.914 - 0.980]	0.002	0.947	[0.916 - 0.980]	0.002	0.919	[0.878 - 0.961]	<0.001
Patient IMD 2010, reference = 1st quintile (least deprived)												
2nd quintile	0.992	[0.954 - 1.032]	0.703	0.965	[0.933 - 0.998]	0.035	0.975	[0.944 - 1.006]	0.117	0.985	[0.944 - 1.028]	0.478
3rd quintile	0.984	[0.945 - 1.025]	0.436	0.935	[0.903 - 0.968]	<0.001	0.963	[0.932 - 0.996]	0.028	0.994	[0.951 - 1.039]	0.780
4th quintile	0.978	[0.938 - 1.019]	0.282	0.966	[0.933 - 1.001]	0.060	0.966	[0.934 - 0.999]	0.046	0.977	[0.934 - 1.022]	0.304
5th quintile (most deprived)	0.962	[0.920 - 1.005]	0.080	0.925	[0.890 - 0.961]	<0.001	0.943	[0.910 - 0.978]	0.002	0.965	[0.920 - 1.013]	0.148
Missing	0.904	[0.642 - 1.273]	0.564	1.057	[0.820 - 1.361]	0.670	0.873	[0.672 - 1.134]	0.309	0.794	[0.544 - 1.160]	0.233
Diagnosis of SMI	1.037	[1.013 - 1.062]	0.002	1.054	[1.034 - 1.075]	<0.001	0.998	[0.979 - 1.017]	0.852	1.081	[1.054 - 1.109]	<0.001
Comorbidities												

Cardiovascular disease	1.028	[0.995 - 1.063]	0.095									
Hypertension	1.191	[1.163 - 1.219]	<0.001									
Dementia	0.661	[0.533 - 0.819]	<0.001	0.678	[0.556 - 0.826]	<0.001	0.760	[0.630 - 0.916]	0.004	0.689	[0.543 - 0.874]	0.002
Learning disability										1.272	[1.052 - 1.538]	0.013
Charlson index comorbidities (count)	1.025	[1.009 - 1.042]	0.003									
Medications												
Antihypertensive										1.037	[1.011 - 1.063]	0.006
Lipid lowering drugs				1.075	[1.052 - 1.099]	<0.001	1.031	[1.010 - 1.052]	0.004			
Antidiabetics							1.041	[1.015 - 1.067]	0.002			
Family history of diabetes	1.037	[1.007 - 1.067]	0.014	1.052	[1.026 - 1.079]	<0.001				1.028	[0.996 - 1.061]	0.090
BMI, reference = 20-25 normal												
< 20	0.813	[0.689 - 0.960]	0.015							1.032	[0.875 - 1.216]	0.712
25-29 overweight	1.025	[0.974 - 1.078]	0.344							0.985	[0.932 - 1.040]	0.576
30+ obesity	1.078	[1.027 - 1.131]	0.002							1.079	[1.025 - 1.137]	0.004
40+ severely obese	1.083	[1.021 - 1.149]	0.008							1.239	[1.163 - 1.319]	<0.001
Missing	1.021	[0.973 - 1.073]	0.396							0.933	[0.886 - 0.983]	0.009
Blood pressure (systolic), reference: ≤140 mmHg												
>140 mmHg	1.106	[1.080 - 1.133]	<0.001									
Missing	0.963	[0.929 - 0.999]	0.046									
Cholesterol, reference: ≤ 5 mmol/L												
> 5 mmol/L	0.966	[0.941 - 0.991]	0.008	1.066	[1.042 - 1.090]	<0.001						
Missing	0.953	[0.922 - 0.986]	0.006	1.028	[1.000 - 1.057]	0.047						
HbA1c^a, reference: ≤ 7.5%												
> 7.5%	1.035	[1.003 - 1.067]	0.032				1.108	[1.080 - 1.136]	<0.001	1.036	[1.002 - 1.071]	0.041
Missing	1.017	[0.989 - 1.047]	0.235				1.046	[1.022 - 1.070]	<0.001	1.019	[0.989 - 1.051]	0.218

<i>Length of follow-up in years</i>	1.178	[1.172 - 1.183]	<0.001	1.183	[1.178 - 1.188]	<0.001	1.167	[1.163 - 1.172]	<0.001	1.180	[1.174 - 1.186]	<0.001
<i>Constant</i>	0.548	[0.353 - 0.849]	0.007	3.368	[1.804 - 6.287]	<0.001	1.504	[0.910 - 2.488]	0.112	0.430	[0.269 - 0.688]	<0.001
<i>Financial year dummies</i>	Yes			Yes			Yes			Yes		
<i>Patients</i>	9,938			9,951			9,425			9,961		
<i>Case-control clusters</i>	2,184			2,185			2,159			2,190		

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