

**Appendix 2 (as supplied by the authors):** Overall impact of the NHS Health Check on modelled CVD risk and CVD risk factors (when patients were additionally matched for baseline systolic BP, cholesterol, BMI and smoking status) (N=138,788)

Outcome and group	n	Crude DID (95%CI)	DID matching estimator in main analysis (95%CI)	*Extensive DID matching estimator (95%CI)
<b>QRISK2 (10-year % risk)</b>				
Attendees	29,672	<b>-0.29 (-0.31, -0.27)</b>	<b>-0.21 (-0.24, -0.19)</b>	<b>-0.14 (-0.16, -0.11)</b>
Non-attendees	109,116			
<b>Systolic BP (mmHg)</b>				
Attendees	29,672	<b>-2.72 (-2.88, -2.56)</b>	<b>-2.51 (-2.77, -2.25)</b>	<b>-1.60 (-1.86, -1.34)</b>
Non-attendees	109,116			
<b>Diastolic BP (mmHg)</b>				
Attendees	29,672	<b>-1.74 (-1.84, -1.64)</b>	<b>-1.46 (-1.62, -1.29)</b>	<b>-1.05 (-1.22, -0.88)</b>
Non-attendees	109,116			
<b>BMI (kg/m<sup>2</sup>)</b>				
Attendees	29,672	<b>-0.28 (-0.30, -0.27)</b>	<b>-0.27 (-0.34, -0.20)</b>	<b>-0.21 (-0.27, -0.15)</b>
Non-attendees	109,116			
<b>TChol (mmol/L)</b>				
Attendees	29,672	<b>-0.20 (-0.20, -0.19)</b>	<b>-0.15 (-0.18, -0.13)</b>	<b>-0.10 (-0.12, -0.07)</b>
Non-attendees	109,116			
<b>Smoking prevalence (%)</b>				
Attendees	29,672	<b>-0.22 (-0.46, 0.01)</b>	<b>-0.11 (-0.35, 0.13)</b>	<b>-0.54 (-0.78, -0.30)</b>
Non-attendees	109,116			
<b>Statin prescribing (%)</b>				
Attendees	29,672	<b>4.40 (4.17, 4.62)</b>	<b>3.83 (3.52, 4.14)</b>	<b>3.72 (3.41, 4.03)</b>
Non-attendees	109,116			
<b>Antihyp prescribing (%)</b>				
Attendees	29,672	<b>2.45 (2.20, 2.71)</b>	<b>1.37 (1.08, 1.66)</b>	<b>1.02 (0.73, 1.31)</b>
Non-attendees	109,116			

Note: DID=difference-in-differences; Crude DID=difference in differences without matching; CI=confidence interval ; BP=blood pressure; BMI=body mass index; TChol=total cholesterol.

\*The extensive DID matching model further included systolic BP, BMI, TChol and smoking status in the matching process.