

**Table S9. Multivariable-adjusted difference (95% CI) in 1-year outcomes based on different imputations (Using matched HL activators and NDA controls cohort)**

1-year outcome	Imputation #1 (N=29,625)	Imputation #5 (N=29,625)	Imputation #9 (N=29,625)
<b>Linear regression models (beta coefficient, 95% CI)</b>			
HbA1c (mmol/mol)	-1.3 (-1.7; -0.8)	-1.2 (-1.6; -0.7)	-1.0 (-1.5; -0.6)
Body mass index (BMI), kg/m <sup>2</sup>	-0.2 (-0.3; -0.1)	-0.2 (-0.3; -0.1)	-0.2 (-0.3; -0.1)
Systolic blood pressure (SBP), mmHg	-1.2 (-1.6; -0.7)	-1.2 (-1.7; -0.7)	-0.9 (-1.4; -0.5)
Diastolic blood pressure (DBP), mmHg	-0.6 (-0.9; -0.3)	-0.5 (-0.8; -0.2)	-0.4 (-0.7; -0.1)
<b>Logistic regression models (OR, 95% CI)</b>			
Insulin use	1.0 (0.8; 1.2)	1.1 (0.9; 1.4)	1.0 (0.8; 1.3)

HbA1c: glycated haemoglobin; HL: Healthy Living; NDA: National Diabetes audit; OR: odds ratio.

Models were adjusted for: age, sex (reference category: male), ethnicity (reference category: White), IMD quintiles (reference category: most deprived), smoking status (reference category: never smoked), BMI, and T2DM duration; baseline ischemic heart disease (reference category: unknown), history of cardiovascular disease admission (reference category: unknown), learning disability (reference category: unknown), and severe mental illness (reference category: diagnosis not provided); baseline prescriptions of antihypertensives, insulin, non-insulin diabetes medications, and statins.