

**Table S1.** Baseline characteristics according to availability of HbA1c results

BASELINE CHARACTERISTICS	No Hba1c result in at least one study period	HbA1c result prior to and during OHIP+
	N=5,090	N=4,551
Any drug claim during OHIP+, n (%)	4,190 (82.3%)	4,514 (99.2%)
Metformin claim during OHIP+, n(%)	126 (2.5%)	215 (4.7%)
Age (years), mean (SD)	13.13 ± 4.83	15.58 ± 4.10
Male (%)	2,767 (54.4%)	2,262 (49.7%)
Duration of diabetes (years), mean (SD)	6.45 ± 3.95	7.74 ± 4.46
Deprivation Quintile		
1 (least deprived)	1,117 (21.9%)	1,067 (23.4%)
2	996 (19.6%)	989 (21.7%)
3	964 (18.9%)	915 (20.1%)
4	912 (17.9%)	791 (17.4%)
5 (most deprived)	1,042 (20.5%)	734 (16.1%)
Missing	59 (1.2%)	55 (1.2%)
Any public drug claim pre-OHIP+ (%)	1,480 (29.1%)	1,508 (33.1%)

The following linear regression model was fit to the data:

$$\begin{aligned}
 y_{i,t} = & \beta_0 + \beta_1 Q_{2,i} + \beta_2 Q_{3,i} + \beta_3 Q_{4,i} + \\
 & \beta_4 Q_{5,i} + \beta_5 T + \beta_6 T Q_{2,i} + \beta_7 T Q_{3,i} + \beta_8 T Q_{4,i} + \beta_9 T Q_{5,i} + \beta_{10} T_{t-t_{OHIP+}} + \\
 & + \beta_{11} T_{t-t_{OHIP+}} Q_{2,i} + \beta_{12} T_{t-t_{OHIP+}} Q_{3,i} + \beta_{13} T_{t-t_{OHIP+}} Q_{4,i} + \beta_{14} T_{t-t_{OHIP+}} Q_{5,i} + \beta_{15} age_i + \\
 & \beta_{16} male_i + \beta_{17} duration_i + \epsilon_{i,t}
 \end{aligned}$$

Where  $y_{i,t}$  is the measured HbA1c for subject  $i$  at time  $t$ , and  $\beta_0$  represents the overall mean HbA1c at time = 0 (January 1, 2016) for subjects in the least deprived quintile. The parameters  $\beta_1$  to  $\beta_4$  are the differences in HbA1c at time = 0 between those in material deprivation quintiles 2-5 and those in quintile 1 (least deprived). The change in HbA1c level per 90 days (slope) during the pre-OHIP+ period for those in deprivation quintile 1 is given by  $\beta_5$ . The

## Supplementary File

difference in pre-OHIP+ slope for deprivation quintiles 2-5 compared to quintile 1 is captured by terms  $\beta_6$  through  $\beta_9$ . The change in slope after OHIP+ (April 1, 2018) (compared to the slope during the pre-OHIP+ time period) for deprivation quintile 1 is given by  $\beta_{10}$ , where  $T_{t-t_{OHIP+}}$  is 0 for observations in the pre-OHIP+ period and time – date of OHIP+ initiation for observations after April 1, 2018.  $\beta_{11}$  to  $\beta_{14}$  give the difference in the change in slope during between the two time periods in deprivation quintiles 2-5 relative to the change in slope in quintile 1. Finally, the effects for a one-year increase in age at time = 0, male vs. female sex and one-year increase in duration of diabetes at time = 0 are captured by  $\beta_{15}$ ,  $\beta_{16}$  and  $\beta_{17}$ , respectively, with  $\epsilon_{i,t}$  = the error term or residual.