

Supplemental table 1: a) DPV analyses for area level income and education [2 deprivation domains within the GIMD] b) T1DX analyses with each individual component of SES score (parental education, parental income, and insurance status) as well as minority status.

a) DPV	Pump use (%)*			CGM use (%)*			HbA1c (%)**		
	2010-2012	2016-2018	2010-12 vs. 2016-18	2010-2012	2016-2018	2010-12 vs. 2016-18	2010-2012	2016-2018	2010-12 vs. 2016-18
Income deprivation									
Q1	54.1 (51.1-57.0)	66.9 (64.5-69.2)		5.6 (4.6 -6.7)	49.6 (46.8-52.5)		8.02 (7.94-8.09)	7.88 (7.81-7.95)	
Q2	52.9 (50.8-55.0)	67.3 (65.5-69.0)		4.4 (3.7- 5.1)	54.6 (52.6-56.6)		7.96 (7.91-8.01)	7.86 (7.81-7.90)	
Q3	57.4 (55.6-59.2)	70.2 (68.7-71.6)		5.3 (4.7- 6.0)	49.5 (47.8-51.2)		7.85 (7.81-7.90)	7.73 (7.68-7.77)	
Q4	57.0 (55.2-58.8)	70.8 (69.3-72.2)		3.2 (2.8-3.8)	50.8 (49.0-52.5)		7.74 (7.70-7.78)	7.55 (7.51-7.60)	
Q5	48.4 (46.7-50.1)	63.9 (62.5-65.4)		3.5 (3.0-4.0)	55.6 (54.1-57.1)		7.59 (7.54-7.63)	7.52 (7.48-7.56)	
p-value	<0.001	0.006	0.126	<0.001	<0.001	<0.001	<0.001	<0.001	0.265
Education deprivation									
Q1	51.7 (49.7-53.7)	66.0 (64.4-67.7)		3.2 (2.7-3.8)	47.0 (45.3-48.8)		7.74 (7.69-7.79)	7.59 (7.54-7.63)	
Q2	49.6 (47.6-51.6)	66.4 (64.7-68.0)		3.5 (2.9-4.1)	46.6 (44.8-48.5)		7.79 (7.74-7.84)	7.60 (7.55-7.65)	
Q3	53.3 (51.5-55.1)	68.6 (67.1-70.0)		4.5 (3.9-5.2)	53.9 (52.2-55.5)		7.76 (7.71-7.80)	7.60 (7.56-7.64)	
Q4	57.4 (55.7-59.0)	69.4 (68.0-70.7)		4.4 (3.9-5.0)	59.1 (57.5-60.6)		7.79 (7.75-7.83)	7.77 (7.73-7.81)	
Q5	54.1 (50.8-57.4)	65.6 (62.8-68.4)		6.3 (5.2-7.6)	52.2 (48.8-55.5)		7.84 (7.75-7.92)	7.72 (7.64-7.79)	
p-value	<0.001	0.008	0.004	<0.001	<0.001	0.115	0.036	<0.001	<0.001
Minority status[‡]									
No	59.0 (57.8-60.1)	71.9 (70.9-72.8)		4.9 (4.5-5.3)	56.6 (55.4-57.7)		7.69 (7.67-7.72)	7.57 (7.54-7.59)	
yes	47.1 (45.2-49.0)	63.4 (61.9-64.9)		3.7 (3.2-4.4)	47.5 (45.9-49.1)		7.91 (7.86-7.95)	7.81 (7.77-7.85)	
p-value	<0.001	<0.001	0.052	0.003	<0.001	0.376	<0.001	<0.001	0.333

b) T1DX	Pump use (%)*			CGM use (%)*			HbA1c (%)**		
	2010-2012	2016-2018	2010-12 vs. 2016-18	2010-2012	2016-2018	2010-12 vs. 2016-18	2010-2012	2016-2018	2010-12 vs. 2016-18
Income									
≥ \$100,000	66.7 (64.1-69.2)	71.9 (69.3-74.4)		9.1 (7.8-10.6)	49.1 (45.7-52.5)		7.98 (7.90-8.06)	8.17 (8.09-8.25)	
\$75,000 – <\$100,000	56.1 (52.7-59.5)	65.9 (62.4-69.2)		6.8 (5.4-8.5)	40.7 (36.7-44.9)		8.27 (8.17-8.36)	8.41 (8.31-8.51)	
\$50,000 – < \$75,000	52.8 (49.4-56.1)	57.6 (54.1-61.0)		4.8 (3.7-6.3)	32.2 (28.5-36.2)		8.43 (8.34-8.53)	8.72 (8.62-8.82)	
\$35,000 – < \$50,000	41.2 (37.6-45.0)	45.7 (42.0-49.4)		4.0 (2.8-5.6)	21.8 (18.4-25.6)		8.76 (8.65-8.87)	9.08 (8.97-9.19)	
\$25,000 – \$35,000	32.5 (28.9-36.2)	43.1 (39.1-47.2)		4.2 (2.8-6.0)	17.3 (14.2-21.0)		8.96 (8.84-9.07)	9.31 (9.19-9.43)	
< \$25,000	26.5 (23.7-29.6)	30.7 (27.6-34.0)		3.5 (2.4-5.0)	12.3 (10.0-15.0)		9.08 (8.98-9.18)	9.42 (9.32-9.53)	
p-value	<0.001	<0.001	0.808	<0.001	<0.001	<0.001	<0.001	<0.001	0.004
Education									
Professional or Doctoral degree	66.3 (61.6-70.7)	74.3 (69.5-78.6)		11.1 (8.6-14.2)	53.9 (48.2-59.5)		7.82 (7.69-7.96)	7.93 (7.78-8.08)	
Master's degree	64.4 (61.4-67.4)	69.4 (66.2-72.5)		9.3 (7.7-11.1)	43.0 (39.2-47.0)		8.02 (7.93-8.11)	8.13 (8.03-8.23)	
Bachelor's degree	57.8 (55.3-60.2)	62.9 (60.3-65.4)		6.4 (5.5-7.6)	39.3 (36.3-42.4)		8.24 (8.17-8.31)	8.48 (8.40-8.56)	
Associate's degree	45.6 (42.4-48.9)	51.5 (48.0-55.0)		5.3 (4.1-6.8)	27.7 (24.4-31.3)		8.70 (8.60-8.79)	9.05 (8.95-9.15)	
High school graduate or GED	34.9 (32.9-37.0)	41.4 (39.2-43.7)		2.9 (2.3-3.6)	19.3 (17.3-21.4)		8.85 (8.78-8.91)	9.19 (9.12-9.26)	
Less than a high school diploma	20.6 (16.6-25.3)	41.9 (38.5-45.4)		3.1 (1.6-6.0)	21.6 (18.4- 25.2)		8.96 (8.80-9.13)	8.94 (8.83-9.04)	
p-value	<0.001	<0.001	0.020	<0.001	<0.001	0.639	<0.001	<0.001	0.265
Insurance									
Private	56.9 (55.1-58.7)	62.3 (60.4-64.2)		6.8 (6.1-7.6)	39.8 (37.5-42.1)		8.24 (8.18-8.29)	8.46 (8.40-8.51)	
Public	33.2 (31.2-35.3)	40.3 (38.1-42.6)		3.8 (3.1-4.6)	17.6 (15.8-19.6)		8.91 (8.85-8.98)	9.24 (9.18-9.31)	
None	24.0 (14.7-36.6)	59.8 (49.0-69.7)		1.8 (0.2-11.9)	21.5 (13.1-33.1)		8.52 (8.12-8.91)	8.82 (8.51-9.14)	
p-value	<0.001	<0.001	<0.001	<0.001	<0.001	0.004	<0.001	<0.001	0.359
Minority status[‡]									
No	58.0 (56.4-59.5)	65.1 (63.4-66.6)		6.2 (5.6-6.9)	38.4 (36.5-40.4)		8.24 (8.20-8.28)	8.42 (8.37-8.46)	
yes	44.5 (41.9-47.2)	52.4 (49.6-55.1)		6.2 (5.1-7.6)	27.7 (25.1-30.5)		8.48 (8.41-8.55)	8.86 (8.78-8.94)	
p-value	<0.001	<0.001	0.855	0.972	<0.001	<0.001	<0.001	<0.001	<0.001

*Logistic /** linear regression models including income or education or insurance, and period, sex, age, diabetes duration, minority status, income or education or insurance by period interaction, and income or education or insurance by minority status interaction. Adjusted mean estimates with 95% CI are extracted from these models with income or education or insurance modelled as a categorical variable. P-values for the association of income, education and insurance with outcomes within each time period, as well p-values for the comparison of respective associations between periods (relating to the income or education or insurance by period interaction) are extracted from these models with income or education or insurance modelled as an ordinal variable.

‡ Regression models including minority status, period, sex, age, diabetes duration, SES, minority status by period interaction, and minority status by SES interaction. Adjusted mean estimates with 95% CI are extracted from these models with minority modelled as a categorical variable P-values for the association of minority status with outcomes within each time period, as well p-values for the comparison of respective associations between periods (relating to the minority status by period interaction) are extracted from these models with minority modelled as an ordinal variable.

Models were estimated separately for the DPV and T1DX registry