

SUPPLEMENTARY DATA

**Supplementary Table S1.** Differences among those <18 years that use and do not use Auto Mode at one year.

	<b>Using Auto Mode</b>	<b>Discontinued Auto Mode</b>	<b>p-value</b>
<b>n</b>	7 (39%)	11 (61%)	N/A
<b>Age (years)</b>	13.6 ± 2.9	15.5 ± 2.0	0.12
<b>Percent Time Using CGM Prior to Auto Mode Initialization</b>	81 ± 16%	64 ± 29%	0.18
<b>Diabetes Duration (years)</b>	4.4 ± 4.7	7.5 ± 4.2	0.16
<b>Gender</b>			
<b>Male</b>	4 (57%)	7 (64%)	0.78
<b>Female</b>	3 (43%)	4 (36%)	0.78
<b>Baseline HbA1c</b>	7.7 ± 1.1% (61 ± 11.7 mmol/mol)	9.0 ± 2.0% (75 ± 22.2 mmol/mol)	0.14
<b>HbA1c at 1 year</b>	7.7 ± 0.7% (60 ± 7.3 mmol/mol)	8.5 ± 1.3% (70 ± 13.9 mmol/mol)	0.15
<b>Number Visits (Total 5 Possible)</b>	4.9 ± 0.4	4.7 ± 0.5	0.55
<b>Race</b>			
<b>African</b>	0 (0%)	1 (9%)	0.41
<b>Asian</b>	3 (43%)	1 (9%)	0.09
<b>Caucasian</b>	4 (57%)	8 (73%)	0.50
<b>Native American</b>	0 (0%)	1 (9%)	0.41
<b>Highest Education for Subject or Guardian</b>			
<b>Some High School</b>	1 (14%)	3 (27%)	0.52
<b>Some College</b>	0 (0%)	1 (9%)	0.41
<b>College Degree</b>	2 (29%)	3 (27%)	0.95
<b>Graduate Degree</b>	4 (57%)	2 (18%)	0.09
<b>Declined</b>	0 (0%)	2 (18%)	0.23
<b>Prior Insulin Delivery Systems</b>			
<b>Animas</b>	0 (0%)	1 (6%)	0.50
<b>Medtronic – Older</b>	3 (38%)	9 (50%)	0.56
<b>Medtronic 630G</b>	4 (50%)	6 (33%)	0.42
<b>OmniPod</b>	1 (13%)	0 (0%)	0.13
<b>Other</b>	0 (0%)	2 (11%)	0.33
<b>Prior CGM</b>			
<b>Abbott FreeStyle Libre</b>	1 (14%)	1 (6%)	0.53
<b>Dexcom – G5 or older</b>	4 (57%)	7 (44%)	0.56
<b>Medtronic Enlite</b>	1 (14%)	7 (44%)	0.17
<b>None</b>	0 (0%)	1 (6%)	0.50
<b>Other</b>	1 (14%)	0 (0%)	0.12
<b>Concurrent Dexcom G6 Use</b>	0 (0%)	6 (55%)	0.02*

\* p < 0.05

SUPPLEMENTARY DATA

**Supplementary Table S2.** Differences among those  $\geq 18$  years that use and do not use Auto Mode at one year.

	Using Auto Mode	Discontinued Auto Mode	p-value
<b>n</b>	23 (61%)	15 (39%)	N/A
<b>Age (years)</b>	37.0 $\pm$ 16.8	27.4 $\pm$ 10.6	0.06
<b>Percent Time Using CGM Prior to Auto Mode Initialization</b>	84 $\pm$ 13%	56 $\pm$ 37%	0.003*
<b>Diabetes Duration (years)</b>	20.8 $\pm$ 12.4	13.7 $\pm$ 11.1	0.08
<b>Gender</b>			
<b>Male</b>	11 (48%)	10 (67%)	0.25
<b>Female</b>	11 (48%)	5 (33%)	0.38
<b>Transfeminine</b>	1 (4%)	0 (0%)	0.41
<b>Baseline HbA1c</b>	7.7 $\pm$ 1.1% (61 $\pm$ 12.5 mmol/mol)	7.7 $\pm$ 1.0% (61 $\pm$ 10.7 mmol/mol)	1.00
<b>HbA1c at 1 year</b>	7.5 $\pm$ 0.9% (59 $\pm$ 9.7 mmol/mol)	7.7 $\pm$ 1.2% (60 $\pm$ 13.1 mmol/mol)	0.88
<b>Number Visits (Total 5 Possible)</b>	4.6 $\pm$ 0.7	4.5 $\pm$ 0.5	0.51
<b>Race</b>			
<b>African</b>	0 (0%)	1 (7%)	0.21
<b>Asian</b>	3 (13%)	0 (0%)	0.14
<b>Caucasian</b>	19 (83%)	9 (60%)	0.12
<b>Middle Eastern</b>	0 (0%)	3 (20%)	0.03*
<b>Unknown</b>	0 (0%)	1 (7%)	0.21
<b>Declined</b>	1 (4%)	1 (7%)	0.76
<b>Highest Education for Subject or Guardian</b>			
<b>High School Degree</b>	2 (9%)	0 (0%)	0.24
<b>Some College</b>	1 (4%)	4 (27%)	0.05*
<b>College Degree</b>	7 (30%)	3 (20%)	0.48
<b>Graduate Degree</b>	9 (39%)	3 (20%)	0.21
<b>Other</b>	2 (9%)	2 (13%)	0.65
<b>Declined</b>	2 (9%)	3 (20%)	0.31
<b>Prior Insulin Delivery Systems</b>			
<b>Animas</b>	4 (9%)	3 (11%)	0.75
<b>Medtronic – Older</b>	21 (45%)	11 (39%)	0.65
<b>Medtronic 630G</b>	11 (23%)	8 (29%)	0.62
<b>OmniPod</b>	1 (2%)	3 (7%)	0.11
<b>Roche</b>	1 (2%)	0 (0%)	0.44
<b>Tandem</b>	2 (4%)	1 (4%)	0.88
<b>MDI</b>	1 (2%)	1 (4%)	0.70
<b>Other</b>	6 (13%)	1 (4%)	0.19
<b>Prior CGM</b>			
<b>Dexcom – G5 or older</b>	19 (54%)	9 (56%)	0.90
<b>Medtronic Enlite</b>	12 (34%)	4 (25%)	0.51
<b>None</b>	1 (3%)	3 (19%)	0.05*
<b>Other</b>	3 (9%)	0 (0%)	0.23
<b>Concurrent Dexcom G6 Use</b>	4 (17%)	2 (13%)	0.73

\* p < 0.05