

Supplementary material 2 - Key results in mg/dL

Table S1 - Summary of glycemic changes and blood glucose check frequency

Glycemic metrics in people with gestational diabetes (PwGDM)	Baseline to 10 weeks (n=26382)*		Change from baseline (mg/dL or % points)
	Baseline (First 7 days)	At 10 Weeks (Last 7 days)	
Mean blood glucose (mg/dL)	109.3 ± 14.5	105.1 ± 10.0	-4.1 mg/dL*
% Hypoglycemic readings < 63 mg/dL (Mean BG ± SD)	0.4% (55.4 ± 8.6 mg/dL)	0.5% (55.8 ± 7.8 mg/dL)	+0.1 %pts*
% Fasting readings in-range < 95 mg/dL (Mean BG ± SD)	50.6% (85.8 ± 5.7 mg/dL)	71.0% (84.2 ± 5.8 mg/dL)	+20.3 %pts[#] (n=18235)
% Readings in-range 63 to 140 mg/dL (Mean BG ± SD)	88.9% (103.6 ± 7.9 mg/dL)	92.0% (101.4 ± 6.8 mg/dL)	+3.1 %pts*
% Hyperglycemic readings > 140 mg/dL (Mean BG ± SD)	10.7% (157.5 ± 16.4 mg/dL)	7.5% (155.5 ± 14.6 mg/dL)	-3.3 %pts*
% Hyperglycemic readings > 180 mg/dL (Mean BG ± SD)	1.6% (202.7 ± 32.1 mg/dL)	0.7% (203.4 ± 34.2 mg/dL)	-0.9 %pts*

BGM check frequency (average per day)	4.3	4.1	-0.1*
*Mean, within subject, difference between baseline and 10 weeks. Includes only subjects checking blood glucose (BG) at least 3.5 times per day on average. #Percentage of BG readings within a time window of 5-8 am that were <95 mg/dL. Average of within subject changes from baseline. All changes p<0.001. To convert mg/dL to mmol/L, multiply by 0.056.			

Table S2 - Change in mean blood glucose (BG) and readings in range as a function of mean BG at baseline

Baseline mean BG (mg/dL)	Mean Check Frequency	Mean BG at base	Mean BG at 10 weeks	Change* in mean BG (mg/dL)	% RIR at baseline	% RIR at 10 weeks	Change* in RIR 63-140 mg/dL (% points)	% Fasting RIR at baseline	% Fasting RIR at 10 weeks	Change in fasting RIR < 95 mg/dL # (% points)
< 110 mg/dL (n=15542)	4.4	100.9 mg/dL	101.4 mg/dL	+0.4 mg/dL	95.5%	95.1%	-0.5 %pts	65.1%	76.2%	+11.2 %pts (n=10638)
≥ 110 mg/dL (n=10840)	4.3	121.2 mg/dL	110.5 mg/dL	-10.7 mg/dL	79.4%	87.7%	+8.3 %pts	30.4%	63.6%	+33.2 %pts (n=7597)
*Mean, within subject, difference between baseline and 10 weeks. Includes only subjects checking blood glucose (BG) at least 3.5 times per day on average. #Percentage of first BG readings within a time window of 5-8 am that were <95 mg/dL. Average of within subject changes from baseline. To convert mg/dL to mmol/L, multiply by 0.056.										

Table S3 - Change in mean blood glucose (BG) as a function of mean BG at baseline

Mean glucose at baseline (mg/dL)	# GDM Subjects (n=26382)	Check frequency per day at baseline	Mean glucose at baseline (mg/dL)	Mean glucose at 10 weeks (mg/dL)	Change* in mean glucose (mg/dL)
< 80	20	4.1	77.6	88.1	+10.5
≥ 80 to <90	809	4.4	87.0	92.6	+5.7
≥ 90 to <100	5332	4.5	95.9	98.5	+2.6
≥ 100 to <110	9381	4.3	105.0	103.8	-1.3
≥ 110 to <120	6710	4.1	114.3	108.5	-5.8
≥ 120 to <130	2545	4.0	124.0	112.4	-11.6
≥ 130 to <140	899	4.0	134.4	114.3	-20.0
≥ 140	686	3.9	160.8	118.2	-42.5

*Mean, within subject, difference between baseline and 10 weeks. Includes only subjects checking blood glucose (BG) at least 3.5 times per day on average. To convert mg/dL to mmol/L, multiply by 0.056.

Table S4 - Change in readings in range as a function of mean blood glucose at baseline

Mean glucose at baseline (mg/dL)	# GDM Subjects (n=26382)	Readings in range at baseline (%)	Readings in range at 10 weeks (%)	Change in readings in range 63-140 mg/dL (% points)*
< 80	20	89.0	95.1	+6.1 %pts
≥ 80 to <90	809	97.3	97.3	-0.0 %pts
≥ 90 to <100	5332	97.4	96.3	-1.1 %pts
≥ 100 to <110	9381	94.3	94.1	-0.2 %pts
≥ 110 to <120	6710	87.3	90.3	+3.0 %pts
≥ 120 to <130	2545	75.7	85.9	+10.3 %pts
≥ 130 to <140	899	62.4	82.1	+19.6 %pts
≥ 140	686	38.6	76.9	+38.3 %pts

*Mean, within subject, difference between baseline and 10 weeks.
 Includes only subjects checking blood glucose (BG) at least 3.5 times per day on average.
 To convert mg/dL to mmol/L, multiply by 0.056.

Table S5 - Change in goal attainment in those with lower or higher mean blood glucose at baseline

Percent of subjects achieving guideline target range goals at baseline and 10 weeks based on mean blood glucose (BG) category at baseline*						
Percent of subjects achieving targets for gestational diabetes[†]	BG <110 mg/dL (% of subjects at baseline) (n=15542)	BG <110 mg/dL (% of subjects at 10 weeks) (n=15542)	Change from baseline in subjects achieving this goal (% points)	BG ≥110 mg/dL (% of subjects at baseline) (n=10840)	BG ≥110 mg/dL (% of subjects at 10 weeks) (n=10840)	Change from baseline in subjects achieving this goal (% points)
Achieved target for % readings < 54 mg/dL	96.8	97.6	+0.8 %pts	99.0	96.4	-2.6 %pts
Achieved target for % readings < 63 mg/dL	95.7	96.1	+0.4 %pts	99.2	95.4	-3.8 %pts
Achieved target for % readings 63 to 140 mg/dL	98.8	96.6	-2.3 %pts	58.5	79.5	+21.0 %pts
Achieved target for % readings > 140 mg/dL	68.6	68.0	-0.6 %pts	9.0	32.2	+23.2 %pts

*Includes only subjects checking blood glucose (BG) at least 3.5 times per day on average. All readings <54, <63, 63-140 and >140 mg/dL identified and the percentage of subjects meeting each of the PwGDM target guidelines calculated at baseline and at 10 weeks. [†]Guidelines targets for readings in range are: < 1% readings <54 mg/dL; < 4% readings < 63 mg/dL; > 80% readings 63 to 140 mg/dL; < 5% readings > 140 mg/dL. To convert mg/dL to mmol/L, multiply by 0.056.