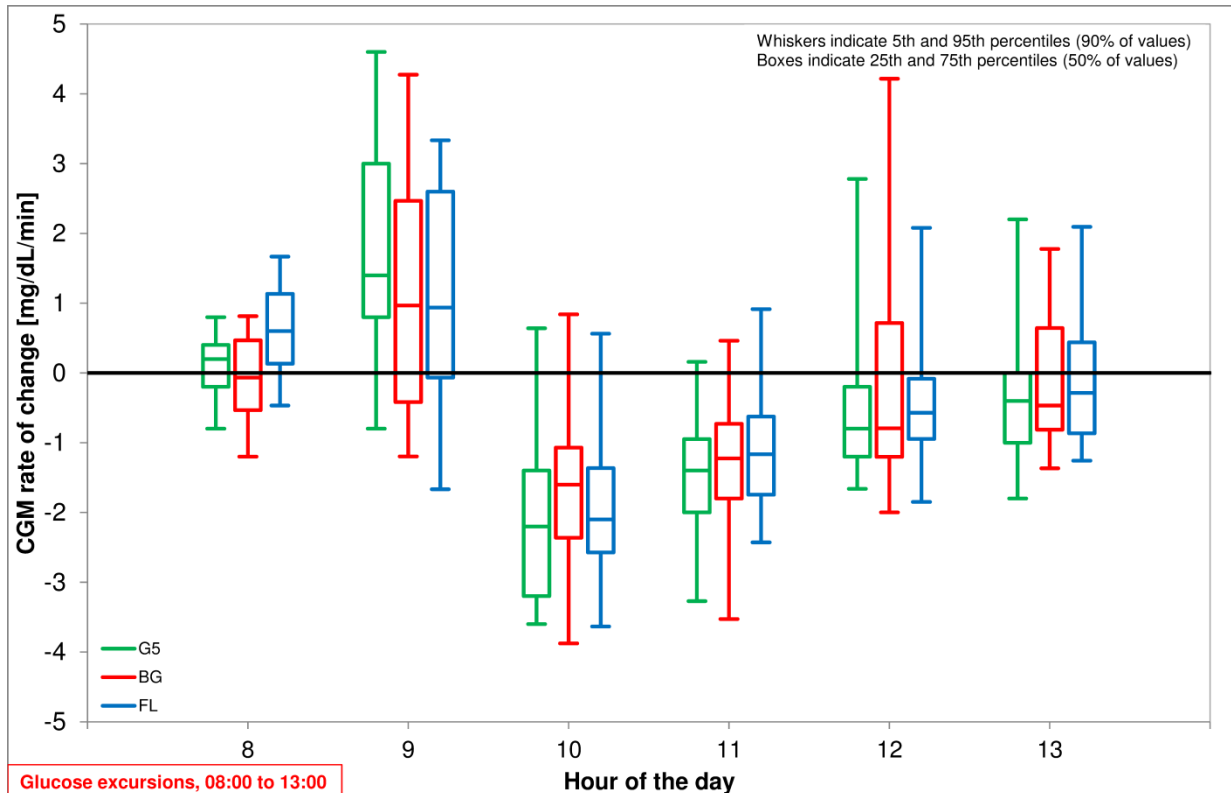


Supplemental data

Supplemental figure SF1: Box-whisker plots for blood glucose (BG) and continuous glucose monitoring rates of change over hour of the day, limited to induced glucose excursions between 08:00 and 13:00 on days 2 and 7 of the study. Whiskers indicate 5th and 95th percentiles (covering the 90% of values) and boxes indicate 25th and 75th percentiles (1st and 3rd quartiles, covering 50% of values). G5: Dexcom G5, FL: FreeStyle Libre.



Supplemental Table ST1: Concurrence matrix of glucose rates of change for Dexcom G5 (G5) and blood glucose (BG) values, limited to induced glucose excursions between 08:00 and 13:00 on days 2 and 7 of the study (n=279).

		BG rate of change [mg/dL/min]						
		≤ -3	> -3 to ≤ -2	> -2 to ≤ -1	> -1 to $< +1$	$\geq +1$ to $< +2$	$\geq +2$ to $< +3$	$\geq +3$
G5 rate of change [mg/dL/min]	≤ -3	2.5%	2.5%	1.4%	-	-	-	-
	> -3 to ≤ -2	1.1%	2.9%	3.2%	0.7%	-	-	-
	> -2 to ≤ -1	-	1.1%	17.2%	8.6%	-	-	-
	> -1 to $< +1$	-	0.4%	5.7%	33.0%	1.1%	0.4%	1.1%
	$\geq +1$ to $< +2$	-	-	0.4%	2.9%	1.8%	0.7%	0.7%
	$\geq +2$ to $< +3$	-	-	-	-	2.5%	1.4%	0.4%
	$\geq +3$	-	-	-	-	0.7%	2.5%	3.2%

Supplemental Table ST2: Concurrence matrix of glucose rates of change for FreeStyle Libre (FL) and blood glucose (BG) values, limited to induced glucose excursions between 08:00 and 13:00 on days 2 and 7 of the study (n=283).

		BG rate of change [mg/dL/min]						
		≤-3	>-3 to ≤-2	>-2 to ≤-1	>-1 to <+1	≥+1 to <+2	≥+2 to <+3	≥+3
FL rate of change [mg/dL/min]	≤-3	1.4%	1.4%	-	0.4%	-	-	-
	>-2 to ≤-1	1.8%	3.2%	3.9%	1.1%	-	-	-
	>-3 to ≤-2	0.4%	2.1%	13.8%	6.0%	-	0.4%	-
	>-1 to <+1	0.7%	0.4%	10.2%	30.0%	2.1%	1.8%	0.4%
	≥+1 to <+2	-	-	-	6.0%	2.1%	0.7%	1.1%
	≥+2 to <+3	-	-	-	0.4%	1.4%	1.4%	1.1%
	≥+3	-	-	-	0.4%	0.4%	1.1%	2.8%

Supplemental Table ST3: Concurrence matrix of glucose rates of change for Dexcom G5 (G5) and FreeStyle Libre (FL) values, limited to induced glucose excursions between 08:00 and 13:00 on days 2 and 7 of the study (n=278).

		FL rate of change [mg/dL/min]						
		≤ -3	> -3 to ≤ -2	> -2 to ≤ -1	> -1 to $< +1$	$\geq +1$ to $< +2$	$\geq +2$ to $< +3$	$\geq +3$
G5 rate of change [mg/dL/min]	≤ -3	2.2%	3.2%	0.4%	0.7%	-	-	-
	> -3 to ≤ -2	0.4%	4.3%	2.9%	0.4%	-	-	-
	> -2 to ≤ -1	-	1.8%	13.3%	11.5%	0.4%	-	-
	> -1 to $< +1$	-	0.4%	5.4%	28.4%	5.8%	0.7%	0.7%
	$\geq +1$ to $< +2$	0.4%	0.4%	0.4%	2.2%	1.8%	1.1%	0.4%
	$\geq +2$ to $< +3$	-	-	-	1.4%	1.8%	1.1%	-
	$\geq +3$	-	-	-	1.1%	0.4%	1.4%	3.6%