

Supplementary Table 3. Glycemic profiles according to %CV quintiles in profiles divided using a mean glucose of 135 mg/dL

CGM metric	Total	Quintile 1	Quintile 2	Quintile 3	Quintile 4	Quintile 5	P for trend
Mean glucose > 135 mg/dL							
Quintile range		21.1%–31.9%	32.0%–35.1%	35.2%–38.0%	38.1%–40.7%	40.8%–52.3%	
Glycemic profiles, <i>n</i>	321	64	66	67	62	62	
CV, %	36.3±5.5	28.2±2.4	33.8±0.9	36.7±0.9	39.4±0.7	44.0±2.6	<0.001
HbA1c, %	7.1±0.8	6.7±0.7	7.2±1.0	7.3±0.8	7.1±0.7	7.1±0.7	0.059
HbA1c, mmol/mol	51±9	50±8	55±11	56±9	54±8	54±8	
GMI, %	7.4±0.6	7.1±0.6	7.5±0.8	7.5±0.6	7.4±0.5	7.4±0.5	0.154
Mean glucose, mg/dL	169.6±25.9	160.1±24.0	174.1±33.6	174.0±26.9	170.4±19.4	169.2±20.7	0.154
Mean glucose, mmol/L	9.4±1.4	8.9±1.3	9.7±1.9	9.7±1.5	9.5±1.1	9.4±1.1	
TIR (70–180 mg/dL), %	60.6±14.4	71.0±14.9	59.7±17.4	57.8±14.2	57.9±10.2	56.7±8.5	<0.001
TAR (>180 mg/dL), %	37.0±14.8	28.6±15.0	39.1±18.0	40.3±15.2	39.1±11.1	38.0±9.9	0.001
TAR (>250 mg/dL), %	9.7 (4.8–18.3)	2.7 (1.6–5.0)	6.5 (4.3–16.3)	12.3 (5.6–19.8)	11.4 (7.8–19.1)	14.5 (9.6–19.6)	<0.001
TBR (<70 mg/dL), %	1.6 (0.6–3.2)	0.3 (0.1–0.7)	0.9 (0.5–1.8)	1.5 (0.8–2.7)	2.7 (1.9–4.1)	4.8 (2.8–7.1)	<0.001
TBR (<54 mg/dL), %	0.2 (0.1–0.6)	0.0 (0.0–0.1)	0.1 (0.0–0.2)	0.2 (0.1–0.4)	0.6 (0.3–0.8)	1.1 (0.5–2.1)	<0.001
Sensor wear time, %	92.3 (86.1–95.9)	94.8 (90.4–97.4)	94.2 (87.8–96.9)	91.8 (86.4–96.0)	92.0 (86.3–94.4)	87.4 (79.7–92.4)	<0.001
Mean glucose ≤ 135 mg/dL							
Quintile range		18.0%–25.7%	25.8%–29.5%	29.6%–31.1%	31.2%–34.0%	34.1%–45.5%	
Glycemic profiles, <i>n</i>	118	24	23	24	23	24	
CV, %	30.4±5.0	23.7±1.8	27.8±1.1	30.3±0.5	32.8±0.9	37.3±3.3	<0.001
HbA1c, %	5.9±0.5	5.9±0.6	5.9±0.5	5.8±0.4	6.0±0.5	6.1±0.4	0.075
HbA1c, mmol/mol	41±6	41±7	41±6	40±5	42±6	43±5	
GMI, %	6.3±0.2	6.2±0.2	6.2±0.3	6.3±0.2	6.4±0.2	6.4±0.1	<0.001
Mean glucose, mg/dL	124.7±8.3	122.5±8.6	119.5±10.6	124.7±6.5	127.1±7.3	129.7±3.2	<0.001
Mean glucose, mmol/L	6.9±0.5	6.8±0.5	6.6±0.6	6.9±0.4	7.1±0.4	7.2±0.2	
TIR (70–180 mg/dL), %	87.0±6.6	94.3±2.0	90.5±2.9	87.6±3.1	84.6±3.6	78.0±5.6	<0.001
TAR (>180 mg/dL), %	9.5±5.3	4.6±2.4	6.3±3.6	9.4±3.2	11.6±4.5	15.4±4.4	<0.001
TAR (>250 mg/dL), %	0.6 (0.2–1.5)	0.2 (0.1–0.3)	0.2 (0.1–0.5)	0.6 (0.4–0.8)	1.3 (0.8–1.6)	1.9 (1.4–3.0)	0.001
TBR (<70 mg/dL), %	2.8 (1.4–5.0)	0.7 (0.5–1.2)	2.2 (1.2–4.8)	2.6 (1.7–4.2)	3.0 (2.6–4.5)	5.8 (4.1–8.9)	<0.001
TBR (<54 mg/dL), %	0.3 (0.1–0.7)	0.1 (0.0–0.1)	0.2 (0.0–0.5)	0.2 (0.1–0.6)	0.4 (0.3–0.7)	1.0 (0.5–2.3)	<0.001
Sensor wear time, %	95.1 (89.0–97.7)	97.7 (87.6–98.7)	96.0 (92.3–98.2)	94.5 (88.9–97.0)	95.0 (88.5–97.4)	93.3 (87.7–97.1)	0.010

Values are presented as mean ± standard deviation or median (interquartile range).

CV, coefficient of variance; CGM, continuous glucose monitoring; HbA1c, glycosylated hemoglobin; GMI, glucose management indicator; TIR, time in range; TAR, time above range; TBR, time below range.