Supplementary materials

Supplementary table 1. Distribution of participants with different HbA1c cut-off values

HbA1c cut off	N with HbA1c < cut off	N with HbA1c ≥ cut off
9.0	24	84
8.5	16	92
8.0	6	102
7.5	1	107
7.0	0	108
6.5	0	108

HbA1c, glycated hemoglobin

Supplementary table 2. Subject characteristics with HbA1c cut off of 8.5 for poorly controlled T2DM

Characteristics	HbA1c < 8.5	HbA1c ≥ 8.5	P†
	N = 16	N = 92	
Continuous variables*			
Age	64 (38–88)	59 (33 - 83)	0.279
BMI	25.42 (18.51–36.20)	26.17 (17.12–54.65)	0.914
Duration of DM (yr)	9.5 (0.083–35)	5 (0.083–36)	0.361
Categorical variables			
Sex			
Male	10	53	0.789
Female	6	39	
Regular dental visits			
Yes	12	64	0.773
No	4	28	
Smoking status			
Current	5	24	0.646
Former	5	23	
None	6	45	
Alcohol consumption			
Current	4	8	0.179

Former	2	17	
None	10	67	
Regular exercise habit			
Yes	8	30	0.256
No	8	62	

* Continuous values are expressed as median (range)

† Continuous variables were subjected to Mann-Whitney U test. Categorical variables were subjected to Fisher's exact test.

HbA1c, glycated hemoglobin; T2DM, type 2 diabetes mellitus; DC, dental caries; BMI, body mass index.

Supplementary table 3. Caries and periodontal status with HbA1c cut off of 8.5 for poorly controlled T2DM

	HbA1c < 8.5 (N = 16)	HbA1c ≥ 8.5 (N = 92)	
Characteristics*			P†
%BOP	32.74 (0–100)	31.46 (0–100)	0.587
%PPD ≥4 mm	22.96 (0–100)	29.33 (0–100)	0.635
DT	0 (0–9)	1 (0–19)	0.005
MT	3 (0–24)	3 (0–27)	0.817
FT	7 (0–17)	7 (0–26)	0.849
DMF index	15 (2–28)	18.5 (1–28)	0.090
MNI (%)	100 (57.14–100)	92.58 (5–100)	0.005

* All values are expressed as median (range).

† Continuous variables were subjected to Mann-Whitney U test.

HbA1c, glycated hemoglobin; BOP, bleeding of probing; PPD, periodontal probing depth; DT, decayed teeth; MT, missing teeth; FT, filled teeth; DMF, decayed, missing, and filled teeth; MNI, Met Need Index

Supplementary table 4. Subject characteristics with HbA1c cut off of 8.0 for poorly controlled T2DM

Characteristics	HbA1c < 8.0	HbA1c ≥ 8.0	P†
	N = 6	N = 102	
Continuous variables*			
Age	65 (38–88)	59 (33 - 83)	0.274
BMI	22.63 (19.61–35.81)	26.17 (17.12–54.65)	0.331
Duration of DM (yr)	14.5 (1–29)	5.5 (0.083–36)	0.138
Categorical variables			
Sex			
Male	3	60	0.692
Female	3	42	
Regular dental visits			
Yes	5	71	0.667
No	1	31	
Smoking status			
Current	2	27	1.00
Former	1	27	
None	3	48	
Alcohol consumption			
Current	1	11	0.804

Former	1	18	
None	4	73	
Regular exercise habit			
Yes	4	34	0.181
No	2	68	

* Continuous values are expressed as median (range)

† Continuous variables were subjected to Mann-Whitney U test. Categorical variables were subjected to Fisher's exact test.

HbA1c, glycated hemoglobin; T2DM, type 2 diabetes mellitus; DC, dental caries; BMI, body mass index.

Supplementary table 5. Caries and periodontal status with HbA1c cut off of 8.0 for poorly controlled T2DM

Characteristics*	HbA1c < 8.0 (N = 6)	HbA1c ≥ 8.0 (N = 102)	P†
%BOP	0 (0–50)	32.14 (0–100)	0.095
%PPD ≥4 mm	1.613 (0–55.56)	29.33 (0–100)	0.074
DT	0 (0–0)	1 (0–19)	0.015
MT	4.5 (0–24)	3 (0–27)	0.951
FT	4.5 (0–14)	7 (0–26)	0.349
DMF index	13 (2–24)	17.5 (1–28)	0.098
MNI (%)	100 (100–100)	93.10 (5–100)	0.016

* All values are expressed as median (range).

† Continuous variables were subjected to Mann-Whitney U test.

HbA1c, glycated hemoglobin; BOP, bleeding of probing; PPD, periodontal probing depth; DT, decayed teeth; MT, missing teeth; FT, filled teeth; DMF, decayed, missing, and filled teeth; MNI, Met Need Index