Supplemental Table Legends

Supplemental Table 1. R-squared values of GEE models evaluating univariate associations of different independent variable with daily percentage Time Above Range (TAR) for glucose over a 7-day period.

Supplemental Table 2. R-squared values of GEE models evaluating associations of different Bolus saliva uptake with daily percentage Time Above Range (TAR) for glucose over a 7-day period, adjusting for other factors.

Supplemental Table 1. R-squared values of GEE models evaluating univariate associations of different independent variable with daily percentage Time-Above-Range (TAR) for glucose over a 7-day period.

Independent variable	Model R-squared, with one fixed factor (%)
Bolus saliva uptake (%)	12.8
Stimulated Salivary Amylase Activity (U/ml)	2.8
Saliva flow rate (g/min)	0.3
Average particle size (mm^2)	1.3
Total surface area (mm^2)	0.5
Saliva incorporation rate SIR (g/min)	3.5
Bite size (g/bite)	4.2
Time in mouth (secs)	3.3
Eating rate (kcal/min)	2.2
BMI (kg/m^2)	<0.1
Carbohydrates (energy %)	<0.1
Sugar (energy %)	0.7
Daily 10-minute-bouted moderate-to-vigorous physical activity (minutes/day)	1
Total daily moderate-to-vigorous physical activity (hours/day)	0.8

Supplemental Table 2. R-squared values of GEE models evaluating associations of different Bolus saliva uptake with daily percentage Time-Above-Range (TAR) for glucose over a 7-day period, adjusting for other factors.

Independent variables	Model R-squared, with multiple fixed factors (%)
Bolus saliva uptake (%) and BMI (kg/m^2)	13.2
Bolus saliva uptake (%) and Carbohydrates (energy %)	13.5
Bolus saliva uptake (%) and Sugar (energy %)	14.7
Bolus saliva uptake (%) and Daily 10-minute-bouted moderate-to-vigorous physical activity (hours/day)	12.5
Bolus saliva uptake (%) and Total daily moderate-to-vigorous physical activity (hours/day)	12.8