

**Supplementary Table 1.** Behavioral results on BART task ( $n=25$ ), for risk averse and risk seeking performances within T1DM participants

Variable	Risk averse ( $n=11$ )					Risk seeking ( $n=14$ )					U	P value
	Mean	SD	1st Q	2nd Q	3rd Q	Mean	SD	1st Q	2nd Q	3rd Q		
Total win	2.84	0.62	2.50	2.64	3.50	3.26	0.91	2.41	3.50	4.07	222.00	0.217
Cash out	25.82	1.60	24.00	25.00	26.00	22.36	1.64	21.00	22.50	23.50	10.00	<0.001
Explode	4.18	1.61	3.00	4.00	6.00	7.64	1.64	6.75	7.50	9.00	144.00	<0.001
Inflations per balloon	9.80	2.89	8.04	9.26	12.17	18.80	5.60	15.72	17.50	23.14	145.00	<0.001
Distance to 1st balloon explosion, %	23.01	6.89	15.63	25.00	28.13	57.36	36.76	23.44	56.25	100.00	119.00	0.021
Inflations in 1st balloon	7.36	2.20	5.00	8.00	9.00	18.35	11.76	7.50	18.00	32.00	119.00	0.021
Inflations last balloon	8.82	6.03	5.00	8.00	10.00	18.21	8.05	10.75	17.50	26.75	132.50	0.001
Maximum	18.27	5.19	15.00	17.00	25.00	32.14	9.06	26.75	30.00	37.00	146.00	<0.001
Minimum	4.45	2.33	3.00	5.00	5.00	7.07	4.16	3.75	7.50	10.00	109.00	0.085
Risk after explosion % <sup>a</sup>	39.39	29.12	0.00	50.00	66.67	63.93	20.01	55.36	68.34	78.34	117.50	0.025
Reaction time	1.02	0.31	0.72	0.94	1.35	1.63	0.63	1.12	1.58	2.05	128.00	0.004

BART, Balloon Analogue Risk Task; T1DM, type 1 diabetes mellitus; SD, standard deviation.

<sup>a</sup>Risk after explosion: frequency of more inflations in the next balloon after an explosion (results are presented in percentage).