

SUPPLEMENTARY DATA

Supplementary Table S1. Characteristics of Medalist participants and non-participants in cognitive substudy

	Completed cognitive assessment n=82	Did not complete cognitive assessment n=934
	%/Mean (SD)	%/Mean (SD)
Sex (F)	54.9	54.4
Age	64.5 (6.8)	65.9 (7.7)
Age at Dx	11.5 (6.2)	11.1 (6.4)
Duration	53.0 (3.8)	54.8 (5.8)
A1c	7.0 (0.8)	7.2 (1.0)
BMI	26.2 (4.5)	26.2 (4.7)
Insulin dose per kg	0.4 (0.2)	0.5 (0.2)
Diastolic BP	65.3 (7.9)	64.1 (8.6)
Systolic BP	131.5 (18.4)	132.3 (16.8)
LDL	81.5 (28.0)	81.1 (24.2)
HDL	69.7 (19.3)	65.0 (19.9)
Total Cholesterol	165.5 (33.2)	161.4 (33.2)
Triglycerides	68.5 (27.6)	75.3 (38.1)
Waist circumference	91.4 (14.5)	91.5 (15.6)
Hip circumference	103.1 (11.5)	101.5 (12.7)
ACR	41.6 (130.6)	73.7 (370.4)
CRP	0.9 (3.3)	1.8 (4.4)
Calcium	9.1 (0.3)	9.0 (0.4)
eGFR	75.6 (17.4)	69.3 (20.5)
Detectable c-peptide	18.5	34.0
DR3or4	92.3	93.5
IA2+ or GAD65+	51.6	43.1
CVD	34.6	40.8
PDR	41.9	46.9
DN	3.7	13.5
Neuropathy	63.2	70.6
Hypertension	65.9	74.8
Anti HTN meds	59.5	65.7
Lipid lowering meds	67.9	69.7
Smoker	41.5	48.2
Exercise	84.2	78.9

SUPPLEMENTARY DATA

Supplementary Table S2. Effect size estimate between control, type 1 and type 2 diabetes groups

Cognitive Test	NDM vs. T1	Type 2 vs. Type 1
Grooved Pegboard (dominant hand) time (s)	-0.64	0.18
Grooved Pegboard (non-dominant hand) time (s)	-0.65	-0.17
Letter-Number Sequencing (scaled)	0.34	0.04
Immediate Memory (scaled)	0.98	-0.01
Delayed Memory (scaled)	0.78	0.01
Wechsler Abbreviated Scale of Intelligence FSIQ	-0.64	0.18
Delis-Kaplan Executive Function System –Number-Letter Switching (scaled)	-0.65	-0.17

Supplementary Table S3. Effect size estimate between Medalists with and without complications

Cognitive Test	CVD Yes vs No	PDR Yes vs. No	Nephropathy Yes vs. No	Neuropathy Yes vs. No
Grooved Pegboard (dominant hand) time (s)	0.21	0.58	0.65	0.29
Grooved Pegboard (non-dominant hand) time (s)	0.01	0.29	0.43	0.43
Letter-Number Sequencing (scaled)	-0.35	0.00	-0.22	-0.19
Immediate Memory (scaled)	-0.24	-0.01	0.09	-0.23
Delayed Memory (scaled)	-0.14	0.14	-0.34	-0.03
Wechsler Abbreviated Scale of Intelligence FSIQ	-0.22	-0.62	-1.70	-0.39
Delis-Kaplan Executive Function System – Number-Letter Switching (scaled)	-0.62	-0.12	-0.10	-0.13