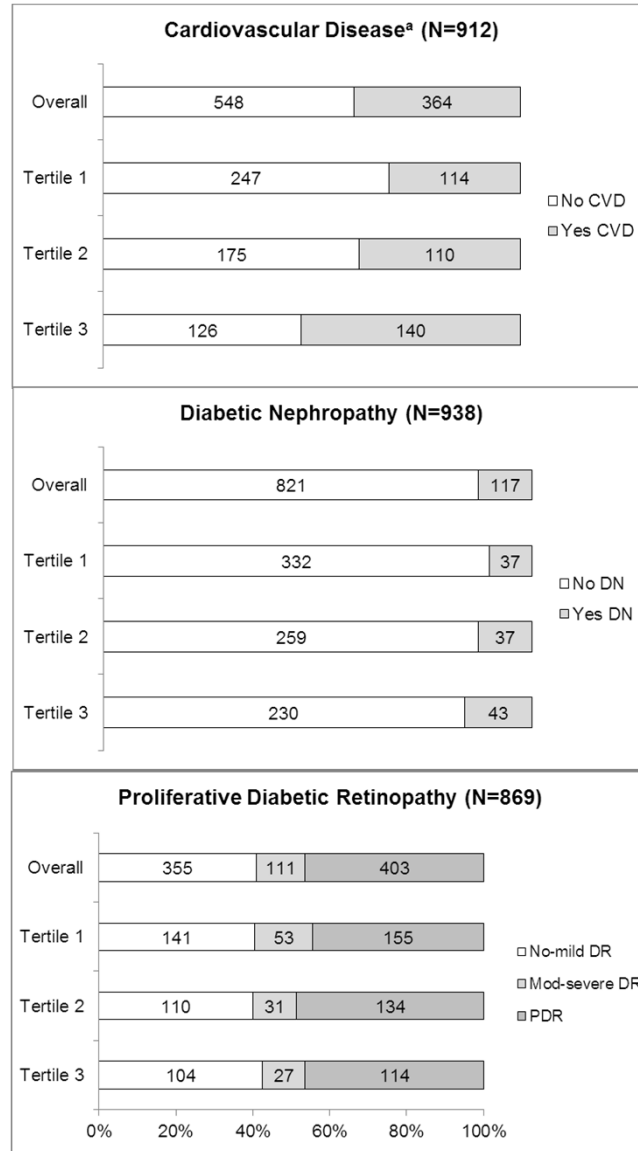
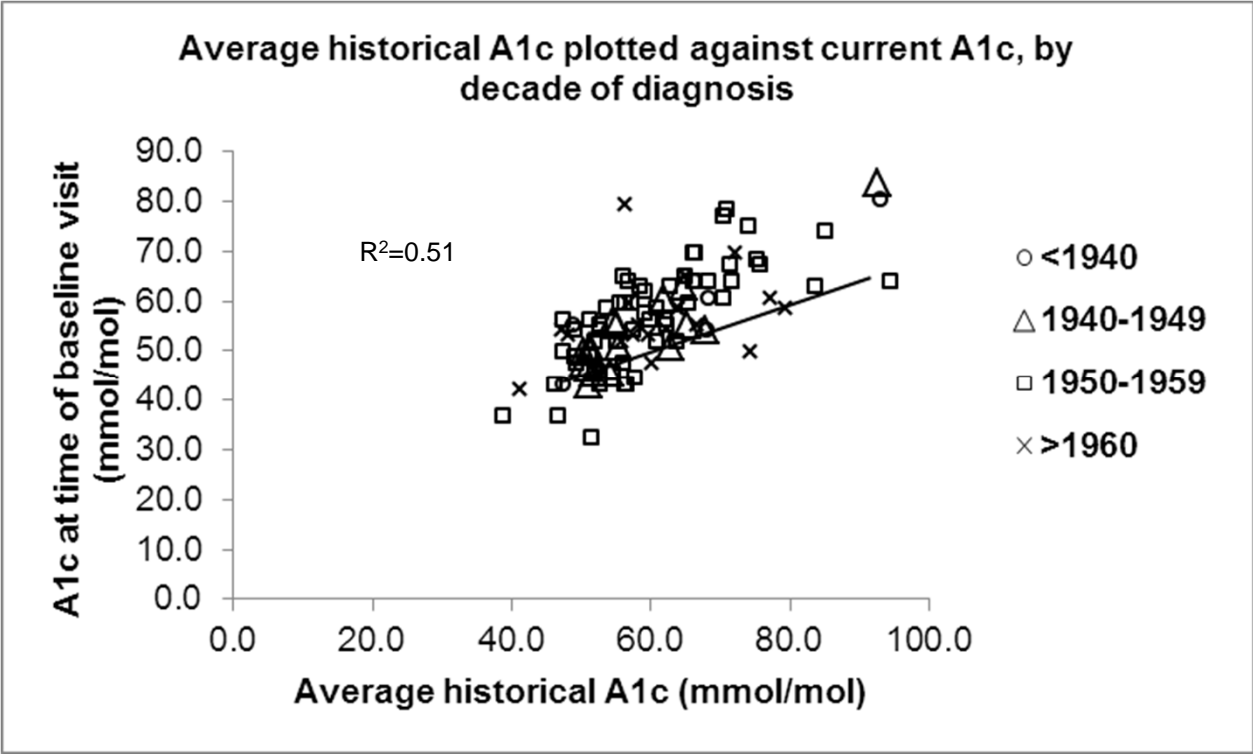


Supplemental Figure 1– Prevalence of diabetic complications overall and by diabetes duration tertile



*p<0.001 between the three tertiles

Supplemental Figure 2. Correlation between average historical A1c (mmol/mol) and current A1c (mmol/mol) measurements in Joslin 50-Year Medalists who received regular care at JDC (n=99)



Supplemental Table 1a. Clinical characteristics of Joslin 50-Year Medalists by cardiovascular disease (CVD) and diabetes duration tertile

Variable	Tertile 1 N=361 50-51 years					Tertile 2 N=285 52-55 years					Tertile 3 N=266 56-85 years				
	No CVD (n=247)		CVD (n=114)		p value	No CVD (n=175)		CVD (n=110)		p value	No CVD (n=126)		CVD (n=140)		p value
	Mean; %	SD (±)	Mean; %	SD (±)		Mean; %	SD (±)	Mean; %	SD (±)		Mean; %	SD (±)	Mean; %	SD (±)	
Sex (male)	36.8		50.9		0.01	42.3		57.3		0.01	45.2		53.6		0.17
Age (years)	62.5	6.7	64.2	6.5	0.02	63.8	5.9	66.3	7.2	0.003	69.3	6.1	72.2	7.7	0.003
Age at diagnosis (years)	12.0	6.7	13.7	6.5	0.02	10.6	5.9	13.0	7.0	0.004	8.8	5.2	9.5	5.5	0.33
Duration (years)	50.5	0.5	50.5	0.5	0.88	53.2	1.0	53.3	1.1	0.35	60.5	4.6	62.7	6.7	0.01
Insulin dose/kilogram (units/kg)	0.44	0.15	0.48	0.17	0.02	0.47	0.22	0.47	0.16	0.41	0.46	0.20	0.44	0.15	0.85
HbA1c (%)	7.1	1.0	7.3	0.9	0.02	7.1	1.0	7.3	0.9	0.1	7.0	0.9	7.3	0.8	0.004
HbA1c (mmol/mol)	54.0	10.6	56.2	10.2	0.02	54.0	11.1	56.0	9.9	0.10	53.4	9.9	56.8	9.2	0.004
Total cholesterol (mmol/L)	4.3	0.8	3.9	0.7	<0.001	4.5	0.9	3.9	0.8	<0.001	4.3	0.7	3.9	0.8	<0.001
LDL (mmol/L)	2.2	0.6	1.9	0.6	0.003	2.2	0.6	2.0	0.6	<0.001	2.2	0.6	1.9	0.5	<0.001
HDLc (mmol/L)	1.8	0.5	1.6	0.5	<0.001	1.8	0.6	1.5	0.4	<0.001	1.8	0.5	1.6	0.5	0.002
Triglycerides (mmol/L)	0.8	0.4	0.9	0.4	0.08	0.8	0.4	0.9	0.6	0.28	0.9	0.4	0.9	0.4	0.75
Systolic blood pressure (mmHg)	132.2	15.2	129.0	18.1	0.04	134.0	16.7	130.8	16.9	0.15	135.5	18.3	130.7	17.4	0.06
Diastolic blood pressure (mmHg)	66.1	8.5	64.1	7.8	0.03	65.1	9.2	61.5	8.5	0.007	62.6	7.3	62.2	9.1	0.56
Body mass index (kg/m ²)	26.1	4.8	27.4	4.9	0.006	25.8	4.9	26.2	4.2	0.17	25.5	4.1	26.3	4.8	0.15
eGFR (ml/min/1.73 m ²)	76.8	18.8	68.0	21.6	<0.001	73.2	18.2	61.7	20.1	<0.001	68.9	19.3	59.5	18.5	<0.001
Serum creatinine (µmol/L)	83.1	26.0	100.8	48.1	<0.001	86.9	25.0	110.8	58.1	<0.001	90.9	34.4	111.3	78.0	<0.001
ACR (mg/mmol)	10.0	66.4	6.8	18.7	0.004	6.8	50.2	8.0	17.7	0.004	4.0	9.9	10.1	21.0	0.03
CRP (nmol/L)	13.8	39.2	15.2	25.2	0.04	15.3	31.9	30.0	85.7	0.04	14.1	22.1	25.3	48.1	0.01
Insulin pump use	68.6		67.3		0.80	63.0		57.3		0.34	49.2		41.7		0.22
Regular physical activity	84.0		77.0		0.11	83.4		74.1		0.06	78.6		73.0		0.29
PDR (ETDRS>53)	41.7		54.1		0.03	39.4		65.3		<0.001	39.5		53.3		0.03
DN (eGFR≤45 ml/min/1.73m ²)	7.0		16.8		0.004	8.1		19.6		0.004	12.2		19.4		0.11
MNSI≥2	71.1		82.7		0.02	64.5		69.6		0.39	64.2		67.7		0.56
Antihypertensive medication	59.1		72.6		0.01	57.8		71.4		0.02	63.7		71.7		0.16
Lipid lowering medication	65.8		90.2		<0.001	57.5		83.6		<0.001	54.8		80.3		<0.001
Detectable random c-peptide (>0.02 nmol/L)	33.2		37.2		0.46	33.9		32.1		0.75	41.1		32.4		0.14
IA2+ or GAD65+	48.4		47.1		0.83	46.1		38.3		0.23	37.7		33.9		0.53
DR3 or 4	95.0		97.9		0.22	93.4		89.9		0.31	95.5		97.0		0.54

eGFR: Estimated glomerular filtration rate;ACR: albumin-creatinine ratio;CRP: c-reactive protein; PDR: proliferative diabetic retinopathy; DN: diabetic nephropathy; MNSI: Michigan Neuropathy Screening Instrument

Supplemental Table 1b. Clinical characteristics of Joslin 50-Year Medalists by diabetic nephropathy (DN) and diabetes duration tertile

Variable	Tertile 1 N=369 50-51 years					Tertile 2 N=296 52-55 years					Tertile 3 N=273 56-85 years				
	No DN (n=332)		DN (n=37)		p value	No DN (n=259)		DN (n=37)		p value	No DN (n=230)		DN (n=43)		p value
	Mean: %	SD (±)	Mean: %	SD (±)		Mean: %	SD (±)	Mean: %	SD (±)		Mean: %	SD (±)	Mean: %	SD (±)	
Sex (male)	41.9		43.2		0.87	48.3		43.2		0.57	51.3		46.5		0.56
Age (years)	62.7	6.5	65.8	7.3	0.02	64.5	6.5	65.7	6.6	0.20	70.7	7.1	72.8	7.2	0.08
Age at diagnosis (years)	12.2	6.5	15.2	7.1	0.03	11.2	6.4	12.4	6.4	0.22	9.3	5.5	9.2	5.0	>0.99
Duration (years)	50.5	0.5	50.6	0.5	0.12	53.2	1.1	53.3	1.1	0.83	61.4	5.8	63.6	6.3	0.02
Insulin dose/kilogram (units/kg)	0.45	0.15	0.47	0.18	0.47	0.47	0.19	0.45	0.23	0.94	0.45	0.18	0.44	0.18	0.73
HbA1c (%)	7.2	1.0	7.1	1.1	0.44	7.2	1.0	7.1	0.9	0.55	7.2	0.8	7.4	1.0	0.22
HbA1c (mmol/mol)	54.8	10.4	54.3	12.2	0.44	54.9	10.6	53.6	10.3	0.55	54.9	9.2	57.3	11.4	0.22
Total cholesterol (mmol/L)	4.2	0.8	4.0	1.0	0.03	4.3	0.9	4.2	1.1	0.54	4.1	0.8	4.1	0.8	0.98
LDL (mmol/L)	2.1	0.6	2.0	0.8	0.17	2.1	0.6	2.2	0.7	0.63	2.0	0.6	2.0	0.6	0.59
HDLc (mmol/L)	1.7	0.5	1.5	0.5	0.007	1.7	0.5	1.4	0.6	<0.001	1.7	0.5	1.5	0.5	0.07
Triglycerides (mmol/L)	0.8	0.4	1.0	0.4	0.002	0.8	0.4	1.2	0.8	<0.001	0.8	0.4	1.0	0.4	<0.001
Systolic blood pressure (mmHg)	130.4	15.9	136.0	17.1	0.09	132.8	16.7	129.5	18.5	0.16	133.1	17.2	132.2	19.7	0.56
Diastolic blood pressure (mmHg)	65.6	8.1	65.3	10.0	0.23	63.6	9.2	62.8	7.0	0.60	63.0	7.9	60.6	10.1	0.07
Body mass index (kg/m ²)	26.4	4.8	28.0	6.0	0.06	25.6	4.1	28.1	6.9	0.05	25.8	4.6	26.3	4.0	0.27
eGFR (ml/min/1.73 m ²)	78.5	15.7	34.0	8.7	<0.001	74.1	15.5	33.8	8.9	<0.001	69.8	15.2	34.4	11.3	<0.001
Serum creatinine (µmol/L)	80.2	18.2	166.0	54.6	<0.001	84.8	17.8	170.6	73.8	<0.001	86.8	18.6	179.2	124.2	<0.001
ACR (mg/mmol)	7.3	55.4	21.9	45.3	<0.001	2.5	4.0	39.6	109.3	<0.001	6.0	12.4	19.2	36.1	0.01
CRP (nmol/L)	14.0	35.4	14.6	28.9	0.56	20.1	59.5	25.3	40.2	0.14	19.9	39.7	22.2	32.0	0.27
Insulin pump use	68.6		61.1		0.36	60.1		63.9		0.66	44.9		48.8		0.65
Regular physical activity	82.1		75.0		0.30	83.0		63.9		0.01	79.5		59.5		0.005
CVD	29.4		52.8		0.004	35.0		60.0		0.004	50.9		64.3		0.11
PDR (ETDRS>53)	43.0		56.8		0.11	47.1		62.1		0.13	44.2		59.5		0.09
MNSI≥2	73.2		91.2		0.02	69.3		45.7		0.01	68.5		60.0		0.29
Antihypertensive medication	60.7		88.6		0.001	59.0		85.7		0.002	67.7		73.8		0.43
Lipid lowering medication	71.4		88.9		0.02	66.1		69.4		0.69	68.6		65.0		0.65
Detectable random c-peptide (>0.02 nmol/L)	33.2		37.8		0.57	33.3		35.1		0.99	35.7		35.7		0.99
IA2+ or GAD65+	49.2		21.3		0.05	44.0		40.0		0.66	36.8		44.7		0.35
DR3 or 4	95.9		96.8		0.82	92.2		94.1		0.69	95.3		100.0		0.17

eGFR: Estimated glomerular filtration rate; ACR: albumin-creatinine ratio; CRP: c-reactive protein; CVD: cardiovascular disease; PDR: proliferative diabetic retinopathy; MNSI: Michigan Neuropathy Screening Instrument

Supplemental Table 1c. Clinical characteristics of Joslin 50-Year Medalists by proliferative diabetic retinopathy (PDR) and diabetes duration tertile

Variable	Tertile 1 N=349 50-51 years					Tertile 2 N=275 52-55 years					Tertile 3 N=245 56-85 years				
	No PDR (n=194)		PDR (n=155)		p value	No PDR (n=141)		PDR (n=134)		p value	No PDR (n=131)		PDR (n=114)		p value
	Mean; %	SD (±)	Mean; %	SD (±)		Mean; %	SD (±)	Mean; %	SD (±)		Mean; %	SD (±)	Mean; %	SD (±)	
Sex (male)	49.0		32.9		0.003	50.4		53.0		0.66	45.8		54.4		0.18
Age (years)	63.6	6.9	62.0	6.1	0.03	65.4	6.9	63.6	5.7	0.05	70.5	6.7	70.1	6.3	0.74
Age at diagnosis (years)	13.0	6.9	11.5	6.1	0.03	12.2	6.8	10.3	5.6	0.02	8.9	5.4	9.2	5.1	0.55
Duration (years)	50.6	0.5	50.5	0.5	0.37	53.1	1.1	53.4	1.1	0.09	61.5	5.3	60.8	5.2	0.19
Insulin dose/kilogram (units/kg)	0.45	0.16	0.45	0.15	0.79	0.47	0.2	0.48	0.2	0.28	0.47	0.21	0.44	0.14	0.81
HbA1c (%)	7.0	0.9	7.3	1.0	0.01	7.1	0.8	7.1	0.9	0.84	7.2	0.9	7.3	0.9	0.67
HbA1c (mmol/mol)	53.2	9.9	56.8	11.3	0.01	54.6	8.9	54.4	9.8	0.84	55.2	9.5	55.8	10.0	0.67
Total cholesterol (mmol/L)	4.2	0.9	4.1	0.8	0.70	4.3	0.9	4.2	0.9	0.27	4.1	0.8	4.0	0.8	0.29
LDL (mmol/L)	2.2	0.7	2.0	0.6	0.21	2.1	0.6	2.1	0.7	0.56	2.0	0.6	2.0	0.5	0.85
HDLc (mmol/L)	1.7	0.5	1.7	0.5	0.93	1.8	0.6	1.6	0.5	0.06	1.7	0.5	1.6	0.5	0.19
Triglycerides (mmol/L)	0.8	0.4	0.9	0.5	0.004	0.8	0.3	0.9	0.5	0.39	0.8	0.4	0.8	0.4	0.85
Systolic blood pressure (mmHg)	131.7	15.8	130.6	16.6	0.47	133.5	17.1	130.8	16.2	0.27	134.7	18.3	131.0	17.2	0.09
Diastolic blood pressure (mmHg)	66.0	8.2	64.7	8.3	0.16	64.7	9.5	62.3	8.7	0.13	63.0	9.2	62.4	7.6	0.71
Body mass index (kg/m ²)	25.9	4.3	27.4	5.5	0.03	25.7	4.4	26.3	4.8	0.29	25.6	4.5	26.5	4.6	0.17
eGFR (ml/min/1.73 m ²)	76.6	19.1	70.3	21.4	0.004	73.8	18.1	66.0	18.8	0.001	66.0	17.6	63.4	20.3	0.50
Serum creatinine (µmol/L)	86.4	32.9	92.9	39.8	0.05	86.4	23.4	98.3	32.9	0.001	92.5	28.6	104.7	53.2	0.10
ACR (mg/mmol)	4.3	19.7	15.6	79.4	<0.001	7.8	54.5	4.9	12.0	0.48	6.3	17.2	8.9	18.2	0.22
CRP (nmol/L)	13.3	34.2	15.5	37.2	0.07	24.2	76.6	17.2	31.0	0.45	19.3	31.9	22.4	47.4	0.67
Insulin pump use	66.3		70.2		0.45	60.7		60.9		0.98	43.9		47.3		0.59
Regular physical activity	83.1		80.1		0.49	85.3		77.3		0.09	78.5		77.5		0.85
CVD	27.3		38.3		0.03	24.8		48.8		<0.001	45.2		59.1		0.03
DN (eGFR≤45 ml/min/1.73m ²)	8.3		13.6		0.11	7.9		13.5		0.13	11.5		19.5		0.09
MNSI≥2	67.0		83.0		0.001	67.2		67.9		0.89	66.1		68.5		0.70
Antihypertensive medication	60.9		68.2		0.16	60.2		65.7		0.36	63.0		77.7		0.01
Lipid lowering medication	69.7		78.2		0.08	63.2		71.4		0.15	66.7		71.4		0.43
Detectable random c-peptide (>0.02 nmol/L)	34.9		32.9		0.7	61.4		69.9		0.14	40.5		33.6		0.27
IA2+ or GAD65+	45.6		49.3		0.52	49.2		38.0		0.08	36.1		41.1		0.44
DR3 or 4	95.4		96.4		0.65	91.3		92.4		0.75	99.2		93.3		0.02

eGFR: Estimated glomerular filtration rate; ACR: albumin-creatinine ratio; CRP: c-reactive protein; CVD: cardiovascular disease; DN: diabetic nephropathy; MNSI: Michigan Neuropathy Screening Instrument

Supplemental Table 2a. Logistic regression model for association with cardiovascular disease stratified by tertile, with main effect A1c

	Tertile 1 50-51 years		Tertile 2 52-55 years		Tertile 3 56-85 years	
	OR (95% CI)	p value	OR (95% CI)	p value	OR (95% CI)	p value
A1c (mmol/mol)	1.01 (0.99, 1.04)	0.33	1.03 (1.00, 1.06)	0.10	1.08 (1.04, 1.13)	<0.001
Sex (Male vs Female)	1.59 (0.93, 2.72)	0.09	1.86 (0.99, 3.50)	0.06	1.54 (0.77, 3.09)	0.22
Duration of diabetes (years)	0.90 (0.54, 1.50)	0.68	1.19 (0.90, 1.58)	0.22	1.07 (1.01, 1.14)	0.02
Total cholesterol (mmol/L)	0.73 (0.51, 1.05)	0.09	0.61 (0.41, 0.91)	0.02	0.53 (0.32, 0.86)	0.01
Antihypertensive medication (Yes vs No)	1.34 (0.75, 2.39)	0.33	1.90 (0.97, 3.72)	0.06	1.63 (0.81, 3.30)	0.17
Lipid-lowering medication (Yes vs No)	3.46 (1.63, 7.35)	0.001	3.13 (1.46, 6.71)	0.003	2.24 (1.10, 4.57)	0.03
Body mass index	1.00 (0.95, 1.06)	0.88	0.96 (0.90, 1.03)	0.24	0.98 (0.91, 1.05)	0.54
Neuropathy (MNSI\geq2) (Yes vs No)	2.08 (1.10, 3.94)	0.02	0.74 (0.39, 1.40)	0.35	0.71 (0.34, 1.45)	0.34

Supplemental Table 2b. Logistic regression model for association with diabetic nephropathy stratified by tertile, with main effect A1c

	Tertile 1 50-51 years		Tertile 2 52-55 years		Tertile 3 56-85 years	
	OR (95% CI)	p value	OR (95% CI)	p value	OR (95% CI)	p value
A1c (mmol/mol)	0.99 (0.96, 1.03)	0.62	0.99 (0.95, 1.03)	0.49	1.02 (0.98, 1.06)	0.37
Sex (Male vs Female)	0.52 (0.23, 1.20)	0.13	0.44 (0.19, 1.00)	0.05	0.57 (0.26, 1.24)	0.16
Duration of diabetes (years)	2.25 (1.04, 4.89)	0.04	1.04 (0.73, 1.49)	0.83	1.07 (1.01, 1.13)	0.02
HDLc (mmol/L)	0.27 (0.11, 0.68)	0.006	0.37 (0.15, 0.92)	0.03	0.46 (0.20, 1.06)	0.07
Cardiovascular disease (Yes vs No)	2.46 (1.15, 5.26)	0.02	2.21 (0.99, 4.95)	0.05	1.27 (0.61, 2.65)	0.53
Antihypertensive medication (Yes vs No)	4.65 (1.56, 13.89)	0.006	3.21 (1.14, 9.09)	0.03	1.46 (0.68, 3.17)	0.33

Supplemental Table 2c. Logistic regression model for association with proliferative diabetic retinopathy stratified by tertile, with main effect A1c

	Tertile 1 50-51 years		Tertile 2 52-55 years		Tertile 3 56-85 years	
	OR (95% CI)	p value	OR (95% CI)	p value	OR (95% CI)	p value
A1c (mmol/mol)	1.03 (1.00, 1.05)	0.03	0.98 (0.95, 1.01)	0.24	1.01 (0.98, 1.04)	0.52
Sex (Male vs Female)	0.54 (0.32, 0.91)	0.02	0.64 (0.35, 1.17)	0.15	1.62 (0.87, 3.01)	0.13
Age (years)	0.96 (0.93, 1.00)	0.03	0.93 (0.89, 0.97)	0.001	0.99 (0.95, 1.03)	0.60
HDLc (mmol/L)^a	0.86 (0.52, 1.43)	0.56	0.60 (0.34, 1.04)	0.07	0.88 (0.48, 1.58)	0.66
Antihypertensive medication (Yes vs No)	0.71 (0.43, 1.16)	0.17	0.91 (0.51, 1.63)	0.75	0.50 (0.28, 0.90)	0.02
Cardiovascular disease (Yes vs No)	1.70 (1.03, 2.80)	0.04	3.91 (2.07, 7.41)	<0.001	1.66 (0.95, 2.91)	0.08

^aHDLc has a confounding effect with sex

Supplemental Table 3. Characteristics by decade of diagnosis among Joslin 50 Year Medalists

Variable	<1940 N=45		1940-1949 N=138		1950-1959 N=524		1960+ N=245		p value
	Mean; %	SD (±)	Mean; %	SD (±)	Mean; %	SD (±)	Mean; %	SD (±)	
Deceased	53.3	(24)	29.0	(40)	10.5	(55)	1.6	(4)	<0.001
Sex (male)	60.0		51.5		47.5		35.9		0.001
Age (years)	79.3	6.2	70.4	6.3	64.9	6.7	63.0	6.5	<0.001
Age at diagnosis (years)	7.1	4.3	9.7	5.3	11.5	6.5	12.2	6.5	<0.001
Duration (years)	72.2	5.1	60.8	3.9	53.4	2.8	50.8	1.0	<0.001
Insulin dose/kilogram (units/kg)	0.45	0.18	0.43	0.19	0.47	0.18	0.45	0.17	0.03
HbA1c (%)	7.1	0.9	7.2	0.9	7.2	1.0	7.1	0.9	0.54
HbA1c (mmol/mol)	54.1	9.5	55.4	9.7	55.0	10.6	54.6	10.1	0.58
Total cholesterol (mmol/L)	4.1	0.7	4.1	0.8	4.2	0.9	4.2	0.8	0.44
LDL (mmol/L)	2.0	0.6	2.1	0.5	2.1	0.6	2.1	0.6	0.58
HDLc (mmol/L)	1.6	0.5	1.6	0.5	1.7	0.5	1.7	0.5	0.07
Triglycerides (mmol/L)	0.9	0.4	0.9	0.4	0.9	0.5	0.8	0.3	0.10
Body mass index (kg/m ²)	25.9	4.2	25.6	4.1	26.2	4.6	26.4	5.1	0.69
eGFR (ml/min/1.73 m ²)	54.3	15.1	61.5	18.1	70.3	18.9	77.0	20.1	<0.001
Serum creatinine (µmol/L)	108.8	34.7	103.8	45.0	95.4	51.1	85.0	36.9	<0.001
ACR (mg/mmol)	15.6	23.7	6.8	17.6	6.2	31.4	12.8	70.3	<0.001
CRP (nmol/L)	29.9	37.3	25.6	49.7	21.3	51.4	4.9	9.2	<0.001
Insulin pump use	28.6		38.5		61.0		72.0		<0.001
Regular physical activity	65.1		76.3		80.2		82.4		0.05
CVD	58.1		57.6		38.4		29.9		<0.001
PDR (ETDRS>53)	43.3		49.6		47.0		46.2		0.73
DN (eGFR≤45 ml/min/1.73m ²)	29.6		19.0		11.4		8.7		<0.001
MNSI≥2**	51.3		60.2		74.1		68.8		<0.001
Antihypertensive medication	57.1		67.2		64.9		63.1		0.65
Lipid lowering medication	64.3		63.0		70.8		71.6		0.24
Detectable random c-peptide (>0.02 nmol/L)	22.7		43.5		44.2		9.5		<0.001
IA2+ or GAD65+	19.1		39.8		44.8		47.6		0.006
DR3 or 4	97.6		95.4		94.9		94.0		0.81

eGFR: Estimated glomerular filtration rate; ACR: albumin-creatinine ratio; CRP: c-reactive protein; CVD: cardiovascular disease; PDR: proliferative diabetic retinopathy; DN: diabetic nephropathy; MNSI: Michigan Neuropathy Screening Instrument

Supplemental Table 4. Characteristics of Joslin 50 Year Medalists who have died, overall and by decade of diagnosis

Variable	Overall N=123		<1940 N=24		1940-1949 N=40		1950-1959 N=55		1960+ N=4		p-value
	Mean; %	SD (±)	Mean; %	SD (±)	Mean; %	SD (±)	Mean; %	SD (±)	Mean; %	SD (±)	
Sex (male)	58.5		66.7		52.5		58.2		75.0		0.64
Age (years)	72.8	8.4	81.0	6.4	72.1	6.9	70.2	8.1	66.5	5.0	<0.001
Age at diagnosis (years)	13.5	7.5	7.5	4.6	11.9	5.7	17.2	7.7	15.3	5.4	<0.001
Duration (years)	59.3	8.6	73.5	5.5	60.3	3.8	52.9	2.5	51.3	0.5	<0.001
Insulin dose/kilogram (units/kg)	0.44	0.17	0.43	0.15	0.41	0.14	0.45	0.17	0.7	0.26	0.03
HbA1c (%)	7.4	1.0	7.1	0.9	7.6	1.1	7.4	1.0	6.7	0.8	0.54
HbA1c (mmol/mol)	57.3	11.1	54.6	9.7	59.8	12.3	57.1	10.6	49.5	8.2	0.18
Total cholesterol (mmol/L)	4.1	0.9	4.1	0.6	4.1	0.8	4.1	1.0	3.9	0.5	0.88
LDL (mmol/L)	2.1	0.6	2.0	0.5	2.1	0.6	2.1	0.7	2.1	0.5	0.95
HDLc (mmol/L)	1.6	0.5	1.6	0.5	1.6	0.5	1.5	0.5	1.4	0.2	0.83
Triglycerides (mmol/L)	0.9	0.5	1.0	0.4	0.8	0.3	1.0	0.6	0.9	0.2	0.88
Systolic blood pressure (mmHg)	134.3	20.1	134.7	22.7	136.4	19.3	132.2	20.4	143.0	16.7	0.16
Diastolic blood pressure (mmHg)	61.3	8.1	65.3	8.9	59.4	6.4	60.8	8.2	68.0	9.8	<0.001
Body mass index (kg/m ²)	25.8	4.5	26.1	3.8	24.9	4.7	26.2	4.7	26.3	2.6	0.69
eGFR (ml/min/1.73 m ²)	54.2	19.4	51.1	13.2	53.8	19.4	56.7	20.1	45.4	37.2	<0.001
Serum creatinine (µmol/L)	121.5	56.4	114.7	32.1	118.3	49.4	121.1	59.2	197.1	132.8	0.64
ACR (mg/mmol)	26.2	72.2	27.6	30.0	11.6	27.4	29.2	92.5	103.8	103.9	0.08
CRP (nmol/L)	38.0	66.4	44.3	45.4	36.5	77.0	39.4	68.4	1.0	0.0	0.001
Insulin pump use	64.4		13.6		29.7		44.2		100.0		0.003
Regular physical activity	68.1		56.5		68.4		74.5		50.0		0.39
CVD	71.8		78.3		76.3		67.3		50.0		0.51
PDR (ETDRS>53)	56.7		57.1		55.9		56.4		66.7		0.99
DN (eGFR≤45 ml/min/1.73m ²)	31.9		34.8		30.8		30.2		50.0		0.85
MNSI≥=2	58.4		35.0		52.8		67.9		100.0		0.02
Antihypertensive medication	65.2		65.2		57.9		68.1		100.0		0.36
Lipid lowering medication	73.3		68.2		68.4		76.9		100.0		0.46
Detectable random c-peptide (>0.02 nmol/L)	41.3		13.0		42.5		55.6		0.0		0.002
IA2+ or GAD65+	19.3		18.2		45.0		37.7		25.0		0.19
DR3 or 4	97.4		100.0		97.3		98.0		75.0		0.04

eGFR: Estimated glomerular filtration rate; ACR: albumin-creatinine ratio; CRP: c-reactive protein; CVD: cardiovascular disease; PDR: proliferative diabetic retinopathy; DN: diabetic nephropathy; MNSI: Michigan Neuropathy Screening Instrument