Supplementary Methods:

Statistical Analyses: Summary statistics for normally distributed continuous variables were represented as the mean (±SD) and median (min-max) for non-normally distributed data. Categorical data were represented as frequencies (percentages). For normally distributed data, comparison of means was made using ANOVA with Tukey's post hoc multiple comparison test. For non-parametric data, Kruskal-Wallis multiple comparison test with Dunn's post hoc multiple comparison test was used. Comparison of proportions was performed using a chi-squared test with post-hoc pairwise testing.

Griffin TP, *et al. BMJ Open Diab Res Care* 2021; 9:e002125. doi: 10.1136/bmjdrc-2021-002125

Supplementary Results:

End-stage Renal Disease (Dialysis/Transplantation):

Of those on haemodialysis (n=41), n=36 (87.8%) were on in-hospital haemodialysis, n=1 (9.8%) home haemodialysis and n=4 (2.4%) peritoneal dialysis (2.4%). Of those who underwent transplantation (n=19), n=18 (94.7%) received a kidney transplant and n=1 (5.3%) combined pancreas kidney transplant.

Clinical and Laboratory Data:

The median duration (days) between baseline clinic visit and baseline laboratory indices was 4 days. To calculate variability, the number of values which were available for the following variables are (median (min – max)): HbA_{1c} (9, 2-106), uACR (7, 2-56), total cholesterol (7, 2-52), HDL-C (7, 2-52), BMI (8, 2-81), SBP (8, 2-80) and DBP (8, 2-80).

Supplementary Table 1: Causes of Other DM

Other DM	
Cause	**No (%)**
DM secondary to Pancreatic Insufficiency	29 (34.5)
MODY	18 (21.4)
DM secondary to Hemochromatosis	13 (15.5)
DM secondary to Steroids	9 (10.7)
DM secondary to Cystic Fibrosis	8 (9.5)
NODAT	2 (2.4)
DIDMOAD	2 (2.4)
DM secondary to Acromegaly	1 (1.2)
Werner's syndrome	1 (1.2)
Ketosis prone diabetes	1 (1.2)
Mitochondrial DM	1 (1.2)
LADA	1 (1.2)

DM – Diabetes Mellitus, MODY – Maturity onset diabetes of the young, NODAT – New-onset diabetes after transplantation, DIDMOAD - diabetes insipidus, diabetes mellitus, optic atrophy, and deafness, LADA - Latent autoimmune diabetes in adults.

Supplementary Table 2A: Prevalence of different stages of Diabetic Kidney Disease among all patients

			Degree of Albuminuria (uACR)			
			A1	A2	A3	
			Normal to mildly increased	Moderately increased	Severely increased	
			<3mg/mmol	3-29mg/mmol	≥30mg/mmol	N/A
eGFR* Category		**Number (%)**	3103 (67.4)	1034 (22.5)	388 (8.4)	79 (1.7)
G1	**≥90**	1852 (40.2)	1447 (31.4)	300 (6.5)	61 (1.3)	44 (1.0)
G2	**60-89**	1606 (34.9)	1163 (25.3)	329 (7.1)	99 (2.2)	15 (0.3)
G3a	**45-59**	517 (11.2)	287 (6.2)	167 (3.6)	55 (1.2)	8 (0.2)
G3b	**30-44**	387 (8.4)	149 (3.2)	162 (3.5)	73 (1.6)	3 (0.1)
G4	**15-29**	165 (3.6)	46 (1.0)	57 (1.2)	59 (1.3)	3 (0.1)
G5	**<15**	10 (0.2)	1 (0.0)	1 (0.0)	8 (0.2)	0 (0.0)
G5d	**Dialysis**	41 (0.9)	1 (0.0)	7 (0.2)	29 (0.6)	4 (0.1)
Transplant		19 (0.4)	6 (0.1)	9 (0.2)	4 (0.1)	0 (0.0)
N/A		7 (0.2)	3 (0.1)	2 (0.0)	0 (0.0)	2 (0.0)

with Diabetes Mellitus

*eGFR (mL/min/1.73m^2)

Supplementary Table 2B: Prevalence of different stages of Diabetic Kidney Disease among all patients

			Degree of Albuminuria (uACR)			
			A1	A2	A3	
			Normal to mildly increased	Moderately increased	Severely increased	
			<3mg/mmol	3-29mg/mmol	≥30mg/mmol	N/A
eGFR* Category		**Number (%)**	817 (77.7)	139 (13.2)	80 (7.6)	15 (1.4)
G1	**≥90**	735 (69.9)	617 (58.7)	87 (8.3)	20 (1.9)	11 (1.0)
G2	**60-89**	220 (20.9)	174 (16.6)	25 (2.4)	18 (1.7)	3 (0.3)
G3a	**45-59**	32 (3.0)	13 (1.2)	10 (1.0)	9 (0.9)	0 (0.0)
G3b	**30-44**	33 (3.1)	7 (0.7)	12 (1.1)	13 (1.2)	1 (0.1)
G4	**15-29**	13 (1.2)	2 (0.2)	2 (0.2)	9 (0.9)	0 (0.0)
G5	**<15**	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
G5d	**Dialysis**	12 (1.1)	0 (0.0)	2 (0.2)	10 (1.0)	0 (0.0)
Transplant		5 (0.5)	3 (0.3)	1 (0.1)	1 (0.1)	0 (0.0)
N/A		1 (0.1)	1 (0.1)	0 (0.0)	0 (0.0)	0 (0.0)

with Type 1 Diabetes Mellitus

*eGFR (mL/min/1.73m^2)

Griffin TP, *et al. BMJ Open Diab Res Care* 2021; 9:e002125. doi: 10.1136/bmjdrc-2021-002125

Supplementary Table 2C: Prevalence of different stages of Diabetic Kidney Disease among all patients with Type 2 Diabetes Mellitus

			Degree of Albuminuria (uACR)			
			A1	A2	A3	
			Normal to mildly increased	Moderately increased	Severely increased	
			<3mg/mmol	3-29mg/mmol	≥30mg/mmol	N/A
eGFR* Category		**Number (%)**	2229 (65.4)	875 (25.7)	302 (8.9)	61 (1.8)
G1	**≥90**	1041 (30.9)	793 (23.3)	207 (6.1)	41 (1.2)	30 (0.9)
G2	**60-89**	1348 (39.2)	971 (28.5)	299 (8.8)	78 (2.3)	12 (0.4)
G3a	**45-59**	472 (13.8)	271 (8.0)	155 (4.6)	46 (1.4)	8 (0.2)
G3b	**30-44**	351 (10.2)	142 (4.2)	150 (4.4)	59 (1.7)	2 (0.1)
G4	**15-29**	145 (4.3)	43 (1.3)	53 (1.6)	49 (1.4)	3 (0.1)
G5	**<15**	10 (0.3)	1 (0.0)	1 (0.0)	8 (0.2)	0 (0.0)
G5d	**Dialysis**	23 (0.8)	1 (0.0)	4 (0.1)	18 (0.5)	4 (0.1)
Transplant		12 (0.3)	5 (0.1)	4 (0.1)	3 (0.1)	0 (0.0)
N/A		4 (0.2)	2 (0.1)	2 (0.1)	0 (0.0)	2 (0.1)

*eGFR (mL/min/1.73m^2)

Supplementary Table 2D: Prevalence of different stages of Diabetic Kidney Disease among all patients with Other Diabetes Mellitus

			Degree of Albuminuria (uACR)			
			A1	A2	A3	
			Normal to mildly increased	Moderately increased	Severely increased	
			<3mg/mmol	3-29mg/mmol	≥30mg/mmol	N/A
eGFR* Category		**Number (%)**	60 (69.8)	17 (19.8)	6 (7.0)	3 (3.5)
G1	**≥90**	46 (53.5)	37 (43.0)	6 (7.0)	0 (0.0)	3 (3.5)
G2	**60-89**	26 (30.2)	18 (20.9)	5 (5.8)	3 (3.5)	0 (0.0)
G3a	**45-59**	5 (5.8)	3 (3.5)	2 (2.3)	0 (0.0)	0 (0.0)
G3b	**30-44**	1 (1.2)	0 (0.0)	0 (0.0)	1 (1.2)	0 (0.0)
G4	**15-29**	4 (4.7)	1 (1.2)	2 (2.3)	1 (1.2)	0 (0.0)
G5	**<15**	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
G5d	**Dialysis**	2 (2.3)	0 (0.0)	1 (1.2)	1 (1.2)	0 (0.0)
Transplant		2 (2.3)	1 (1.2)	1 (1.2)	0 (0.0)	0 (0.0)
N/A		0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)

*eGFR (mL/min/1.73m^2)

Supplementary Table 3A: HbA_{1c} (mmol/mol) among all patients with Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	64.7±19.1	1	63.9±18.5	1	68.3±21.2	0	66.3±21.1	0	
G2	**60-89**	57.1±14.5	2	55.9±13.6	1	59.4±15.6	1	63.4±17.5	0	
G3a	**45-59**	58.2±15.8	0	55.9±14.4	0	60.1±16.6	0	64.1±17.9	0	<0.001^
G3b	**30-44**	59.2±15.0	0	57.1±14.4	0	59.9±15.3	0	62±15.4	0	
G4	**15-29**	59.6±14.6	0	55.4±12.7	0	61.7±16.1	0	60.9±14	0	
G5	**<15**	51.7±13.8	0	60.0	0	50.0	0	50.9±15.3	0	
p-value	<0.001∞	**Total**	**3**	59.7±16.7	2	62.3±18.0	1	63.0±17.3	0	<0.001∂

*eGFR (mL/min/1.73m^2); ∞ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 3B: HbA_{1c} (mmol/mol) among patients with Type 1 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	71.3±18.5	0	69.9±17.6	0	80±21.1	0	76.5±23.3	0	
G2	**60-89**	66.3±13.5	0	64.6±13.1	0	71.5±8.4	0	75.4±17.9	0	
G3a	**45-59**	69.5±16.9	0	63.7±12.7	0	69.3±17.5	0	78.1±19.6	0	<0.001^
G3b	**30-44**	66.9±14.3	0	63.3±13.1	0	68.3±17.3	0	67.5±12.4	0	
G4	**15-29**	67.9±11.0	0	61±17	0	62±15.6	0	70.7±9.2	0	
G5	**<15**	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
p-value	0.005∞	**Total**	0	68.6±16.7	0	76.4±19.2	0	74.0±18.1	0	<0.001∂

*eGFR (mL/min/1.73m^2); ∞ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 3C: HbA_{1c} (mmol/mol) among patients with Type 2 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	60.3±18.3	1	59.5±18	1	63.4±19.1	0	61.3±18.3	0	
G2	**60-89**	55.6±14.1	2	54.4±13.2	1	58.2±15.5	1	60.9±16.5	0	
G3a	**45-59**	57.5±15.4	0	55.7±14.4	0	59.5±16.5	0	61.3±16.4	0	<0.001^
G3b	**30-44**	58.5±14.9	0	56.8±14.4	0	59.3±15	0	60.6±15.9	0	
G4	**15-29**	59.0±14.8	0	55.3±12.7	0	61.9±16.5	0	58.9±14.1	0	
G5	**<15**	51.7±13.8	0	60.0	0	50.0	0	50.9±15.3	0	
p-value	<0.001^^	**Total**	**3**	59.7±16.7	2	62.3±18.0	1	63.0±17.3	0	<0.001∂

*eGFR (mL/min/1.73m^2); ^^ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	
G1	**≥90**	7.7 (0-55.4)	34	7.7 (0-55.4)	26	7.3 (0-46.4)	6	8.3 (0.4-42.3)	2	
G2	**60-89**	8 (0-59.1)	40	7.7 (0-59.1)	27	8.4 (0-40.4)	10	9.5 (0.1-40.5)	3	
G3a	**45-59**	9.8 (0-53.1)	16	9.3 (0-48.9)	7	10 (0-51.3)	7	11.5 (0-53.1)	2	<0.001^
G3b	**30-44**	11.3 (0-56.2)	15	10.6 (0-53.4)	8	11.3 (0-52.2)	5	14.2 (0-56.2)	2	
G4	**15-29**	11.6 (0-51.4)	6	11 (0-51.4)	0	10 (0-47.7)	4	15.3 (1.3-38.5)	2	
G5	**<15**	13.9 (0.5-28.2)	1	11.6	0	21.1	0	13.9 (0.5-28.2)	1	
p-value	<0.001^∞	**Total**	**112**	8 (0-59.1)	68	8.7 (0-52.2)	32	12.3 (0-56.2)	12	<0.001^∂

Supplementary Table 4A: Duration of Diabetes (years) among all patients with Diabetes Mellitus by stage of DKD

*eGFR (mL/min/1.73m^2); ^∞ Kruskal-Wallis multiple comparison test with Dunn's post hoc multiple comparison test for differences between eGFR categories; ^ Kruskal-Wallis multiple comparison test with Dunn's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ^∂ Kruskal-Wallis multiple comparison test with Dunn's multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 4B: Duration of Diabetes (years) among patients with Type 1 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	
G1	**≥90**	12.8 (0-55.4)	7	12.4 (0-55.4)	5	13.9 (0.1-46.4)	1	18.1 (5-42.3)	1	
G2	**60-89**	21.3 (0.1-59.1)	1	20.7 (0.1-59.1)	1	31 (2.8-40.4)	0	24 (4.4-40.5)	0	
G3a	**45-59**	33.1 (0-53.1)	1	27.2 (0-48.3)	0	35.4 (7.5-51.3)	0	34.4 (17.9-53.1)	1	<0.001^
G3b	**30-44**	28.6 (0-56.2)	0	24.2 (8.5-53.4)	0	26.4 (0-47.9)	0	34 (1.4-56.2)	0	
G4	**15-29**	33.7 (2.6-51.4)	0	46.3 (41.3-51.4)	0	43.3 (39.4-47.2)	0	29.3 (2.6-38.5)	0	
G5	**<15**	n/a	0	n/a	n/a	n/a	n/a	n/a	n/a	
p-value	<0.001^∞	**Total**	**9**	13.5 (0-59.1)	6	19.4 (0-51.3)	1	22.9 (1.4-56.2)	2	<0.001^∂

*eGFR (mL/min/1.73m^2); ^∞ Kruskal-Wallis multiple comparison test with Dunn's post hoc multiple comparison test for differences between eGFR categories; ^ Kruskal-Wallis multiple comparison test with Dunn's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of

albuminuria; ∂ Kruskal-Wallis multiple comparison test with Dunn's multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	
G1	**≥90**	5.7 (0-43.1)	27	5.7 (0-43.1)	21	5.8 (0-27.7)	5	7.3 (0.4-31.7)	1	<0.001^
G2	**60-89**	7.5 (0-46.2)	39	7.2 (0-46.2)	26	8.2 (0-35.6)	10	8.5 (0.1-29.8)	3	

Supplementary Table 4C: Duration of Diabetes (years) among patients with Type 2 Diabetes Mellitus by stage of DKD

*eGFR (mL/min/1.73m^2); ∞ Kruskal-Wallis multiple comparison test with Dunn's post hoc multiple comparison test for differences between eGFR categories; ^ Kruskal-Wallis multiple comparison test with Dunn's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ Kruskal-Wallis multiple comparison test with Dunn's multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

G3a	**45-59**	8.6 (0-44.5)	15	8.5 (0-44.1)	7	8.8 (0-42.8)	7	9.4 (0-44.5)	1	
G3b	**30-44**	11 (0-52.2)	15	10.3 (0-33.1)	8	11 (0-52.2)	5	12.3 (0-27.4)	2	
G4	**15-29**	11 (0-47.7)	6	11 (0-39.7)	0	9 (0-47.7)	4	13.8 (1.3-37.1)	2	
G5	**<15**	13.9 (0.5-28.2)	1	11.6	0	21.1	0	13.9 (0.5-28.2)	1	
p-value	<0.001[∞]	**Total**	**103**	7.1 (0-46.2)	62	8.2 (0-52.2)	31	9.6 (0-44.5)	10	<0.001[∂]

Supplementary Table 5A: Age (years) of patients with Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	46.3±14.1	0	45.7±14	0	48±14.5	0	50.5±14.7	0	
G2	**60-89**	64.3±11.8	0	63.8±11.7	0	66.6±11	0	62.2±14.2	0	
G3a	**45-59**	71.2±10.1	0	71.2±9.3	0	73±10.1	0	65.7±12.3	0	<0.001^
G3b	**30-44**	74.5±10.2	0	75.2±8.5	0	76.6±9.3	0	68.4±12.7	0	
G4	**15-29**	75.7±11.9	0	80±7.2	0	77.1±10.1	0	71.2±14.8	0	
G5	**<15**	65.6±12.3	0	69.00	0	59.14	0	66±13.7	0	
p-value	<0.001~~	**Overall**	**0**	56.8±16.6	0	64.4±16.2	0	63.6±15.3	0	<0.001∂

*eGFR (mL/min/1.73m^2); ~~ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 5B: Age (years) of patients with Type 1 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	36±12.3	0	36.2±12.2	0	34.9±13.3	0	36.7±9.8	0	
G2	**60-89**	52.3±14	0	52.9±13.9	0	55.2±14.1	0	42.1±10.3	0	
G3a	**45-59**	58.8±14.9	0	64.4±14.6	0	58.6±15.7	0	50.8±12	0	<0.001^
G3b	**30-44**	60.1±14.3	0	69.6±10.1	0	63.2±14	0	52.1±12.8	0	
G4	**15-29**	53±15.7	0	66.4±3.7	0	68.9±6.2	0	46.5±14.5	0	
G5	**<15**	n/a	0	n/a	n/a	n/a	n/a	n/a	n/a	
p-value	<0.001~~	**Overall**	**0**	40.6±15	0	43.4±17.8	0	44.1±12.7	0	0.037∂

*eGFR (mL/min/1.73m^2); ~~ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 5C: Age (years) of patients with Type 2 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	53.5±10.3	0	53.3±10.1	0	53.8±10.8	0	57.3±11.7	0	
G2	**60-89**	66.4±10	0	65.8±10	0	67.7±10	0	67.4±9.7	0	
G3a	**45-59**	72±9.2	0	71.5±9	0	73.9±9	0	68.7±10.1	0	<0.001^
G3b	**30-44**	76±8.3	0	75.5±8.4	0	77.7±7.9	0	72.6±8	0	
G4	**15-29**	78±8.9	0	80.5±6.8	0	77.9±9.8	0	76±9.2	0	
G5	**<15**	65.6±12.3	0	69.00	0	59.14	0	66±13.7	0	
p-value	<0.001∞	**Overall**	**0**	63±12.5	0	67.9±13	0	68.7±11.3	0	<0.001∂

*eGFR (mL/min/1.73m^2); ∞ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 6A: Systolic Blood Pressure (mmHg) among all patients with Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	130±16	12	128±15	10	134±16	2	138±18	0	
G2	**60-89**	135±18	7	133±17	4	137±20	3	143±20	0	
G3a	**45-59**	136±18	8	133±17	4	139±18	2	142±18	2	<0.001^
G3b	**30-44**	136±20	1	131±19	0	138±19	1	141±21	0	
G4	**15-29**	138±18	2	134±14	0	136±19	1	144±20	1	
G5	**<15**	125±17	0	132.0	0	118.0	0	125±19	0	
p-value	<0.001^∞	**Total**	30	131±16	18	137±18	9	142±20	3	<0.001^∂

*eGFR (mL/min/1.73m^2); ^∞ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ^∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 6B: Systolic Blood Pressure (mmHg) among patients with Type 1 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	127±14	7	126±14	6	128±15	1	136±16	0	
G2	**60-89**	132±16	0	130±15	0	136±22	0	141±12	0	
G3a	**45-59**	136±17	1	139±19	0	131±14	0	137±16	1	<0.001^
G3b	**30-44**	138±21	0	134±19	0	136±17	0	142±27	0	
G4	**15-29**	141±22	1	143±13	0	135.0	1	142±26	0	
G5	**<15**	n/a	0	n/a	n/a	n/a	n/a	n/a	n/a	
p-value	<0.001^∞	**Total**	9	127±15	6	131±16	2	139±19	1	<0.001^∂

*eGFR (mL/min/1.73m^2); $^{\infty}$ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; $^{\wedge}$ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; $^{\partial}$ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 6C: Systolic Blood Pressure (mmHg) among patients with Type 2 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	132±16	5	130±15	4	137±17	1	139±18	0	
G2	**60-89**	135±18	5	134±17	3	137±20	2	143±21	0	
G3a	**45-59**	136±18	7	133±17	4	139±18	2	143±18	1	<0.001$^{\wedge}$
G3b	**30-44**	136±20	1	131±19	0	138±20	1	141±20	0	
G4	**15-29**	138±18	1	134±13	0	136±19	0	145±20	1	
G5	**<15**	125±17	0	132.0	0	118.0	0	125±19	0	
p-value	<0.001$^{\infty}$	**Total**	19	132±17	11	138±19	6	142±20	2	<0.001$^{\partial}$

*eGFR (mL/min/1.73m^2); $^{\infty}$ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; $^{\wedge}$ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; $^{\partial}$ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 7A: Diastolic Blood Pressure (mmHg) among all patients with Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	76±9	13	75±9	11	79±10	2	80±11	0	
G2	**60-89**	74±10	7	74±9	4	74±11	3	77±9	0	
G3a	**45-59**	72±9	8	71±9	4	73±10	2	75±11	2	<0.001^
G3b	**30-44**	70±10	1	69±10	0	69±9	1	72±12	0	
G4	**15-29**	69±10	2	68±9	0	68±9	1	72±11	1	
G5	**<15**	67±11	0	83.0	0	62.0	0	66±11	0	
p-value	<0.001^^	**Total**	31	74±9	19	74±11	9	75±11	3	0.153^∂

*eGFR (mL/min/1.73m^2); ^^ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ^∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 7B: Diastolic Blood Pressure (mmHg) among patients with Type 1 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	75±9	7	75±8	6	78±9	1	79±11	0	
G2	**60-89**	73±9	0	72±9	0	73±9	0	81±6	0	
G3a	**45-59**	73±9	1	70±9	0	72±5	0	79±12	1	<0.001^
G3b	**30-44**	73±10	0	73±7	0	70±10	0	75±12	0	
G4	**15-29**	75±10	1	71±4	0	74.0	1	76±12	0	
G5	**<15**	n/a	0	n/a	n/a	n/a	n/a	n/a	n/a	
p-value	0.008^^	**Total**	9	74±9	6	76±9	2	78±10	1	<0.001^∂

*eGFR (mL/min/1.73m^2); ^^ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ^∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 7C: Diastolic Blood Pressure (mmHg) among patients with Type 2 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	77±10	6	76±9	5	79±10	1	80±12	0	
G2	**60-89**	74±10	5	74±9	3	74±11	2	76±10	0	
G3a	**45-59**	72±10	7	71±9	4	73±10	2	74±10	1	<0.001^
G3b	**30-44**	69±10	1	69±10	0	69±9	1	71±11	0	
G4	**15-29**	69±10	1	68±9	0	68±9	0	71±11	1	
G5	**<15**	67±11	0	83.0	0	62.0	0	66±11	0	
p-value	<0.001∞	**Total**	20	74±10	12	74±11	6	74±11	2	0.756∂

*eGFR (mL/min/1.73 m^2); ∞ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 8A: BMI (kg/m^2) among all patients with Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	29.54±6.69	39	29.23±6.54	27	31.04±7.37	9	29.56±5.87	3	
G2	**60-89**	30.76±5.95	36	30.66±5.8	21	31.06±6.29	10	30.9±6.68	5	
G3a	**45-59**	31.24±6	24	31.29±5.9	11	31.17±6.18	7	31.21±6.09	6	<0.001$^{\wedge}$
G3b	**30-44**	31.09±5.71	9	29.97±4.79	2	31.8±6.28	4	31.85±5.83	3	
G4	**15-29**	31.23±5.53	10	31.68±5.2	1	30.45±4.43	5	31.61±6.64	4	
G5	**<15**	33.25±8.81	1	36.8	0	33.5	0	32.7±10.05	1	
p-value	<0.001$^{\infty}$	**Overall**	119	30.03±6.17	62	31.16±6.52	35	31.07±6.36	22	<0.001$^{\partial}$

*eGFR (mL/min/1.73m^2); $^{\infty}$ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; $^{\wedge}$ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; $^{\partial}$ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 8B: BMI (kg/m^2) among patients with Type 1 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	25.8±4.44	12	25.76±4.31	10	25.97±5.21	1	26.54±5.13	1	
G2	**60-89**	26.49±4.42	24	26.61±4.37	21	25.81±3.51	2	26.29±5.94	1	
G3a	**45-59**	27.35±4.13	3	27.27±4.19	1	27.43±3.67	1	27.36±5	1	0.015$^{\wedge}$
G3b	**30-44**	29.36±5.68	4	26.59±2.48	0	31±6.1	1	29.5±6.49	3	
G4	**15-29**	26.97±4.86	1	25.86±0.66	0	28.7	1	27.02±5.64	0	
G5	**<15**	n/a	0	n/a	n/a	n/a	n/a	n/a	n/a	
p-value	<0.001$^{\infty}$	**Overall**	44	25.97±4.31	32	26.48±5.06	6	27.1±5.57	6	0.095$^{\partial}$

*eGFR (mL/min/1.73m^2); ∞ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 8C: BMI (kg/m^2) among patients with Type 2 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	32.31±6.75	27	32.1±6.69	17	33.37±7.05	8	31.04±5.7	2	0.008^
G2	**60-89**	31.53±5.86	35	31.44±5.71	20	31.63±6.23	10	32.31±6.32	5	
G3a	**45-59**	31.56±6	21	31.57±5.87	10	31.45±6.25	6	31.96±6.05	5	
G3b	**30-44**	31.26±5.68	5	30.14±4.82	2	31.85±6.31	3	32.43±5.54	0	
G4	**15-29**	31.76±5.41	9	32.13±5.09	1	30.7±4.35	4	32.55±6.56	4	
G5	**<15**	33.25±8.81	1	36.8	0	33.5	0	32.7±10.05	1	
p-value	0.022∞	**Total**	98	31.62±6.05	50	32±6.39	31	32.15±6.14	17	0.018∂

*eGFR (mL/min/1.73m^2); ∞ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 9A: Serum total cholesterol (mmol/mol) among all patients with Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	
G1	**≥90**	4.4 (1.4-13.9)	15	4.4 (1.4-10.5)	12	4.3 (1.7-13.9)	2	4.7 (1.8-9.4)	1	<0.001^
G2	**60-89**	3.9 (1.5-10.1)	4	3.9 (1.6-10.1)	4	3.9 (1.5-8.2)	0	4 (1.8-7.8)	0	
G3a	**45-59**	3.8 (1.7-11.4)	4	3.8 (1.8-8.2)	0	3.7 (1.7-11.4)	3	4.1 (1.9-6.9)	1	
G3b	**30-44**	3.8 (2-8.4)	2	3.8 (2.2-7.2)	0	3.8 (2.2-8.2)	0	3.9 (2-8.4)	2	
G4	**15-29**	3.8 (1.9-7.6)	0	3.6 (2.5-6.5)	0	3.9 (2.4-7.3)	0	3.9 (1.9-7.6)	0	
G5	**<15**	4.3 (3-15.5)	0	3.0	0	5.2	0	4.3 (3-15.5)	0	
p-value	<0.001^∞	**Total**	25	4.1 (1.4-10.5)	16	4 (1.5-13.9)	5	4 (1.8-15.5)	4	0.001^∂

*eGFR (mL/min/1.73m^2); ^∞ Kruskal-Wallis multiple comparison test with Dunn's post hoc multiple comparison test for differences between eGFR categories; ^ Kruskal-Wallis multiple comparison test with Dunn's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ^∂ Kruskal-Wallis multiple comparison test with Dunn's multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 9B: Serum total cholesterol (mmol/mol) among patients with Type 1 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	
G1	**≥90**	4.6 (2.5-9.9)	12	4.6 (2.5-9)	10	4.8 (2.9-9.9)	2	5.3 (3.4-8.9)	0	0.001^
G2	**60-89**	4.4 (2.4-8.2)	1	4.4 (2.5-8.2)	1	4.5 (2.4-7.1)	0	5.3 (3.5-7.8)	0	
G3a	**45-59**	4.5 (2.5-7.9)	2	3.9 (2.5-7.9)	0	4.4 (2.5-5.6)	1	5.4 (3.4-6.3)	1	
G3b	**30-44**	4.4 (2.2-8.4)	0	4.7 (2.2-6.5)	0	4.1 (3.1-4.9)	0	4.5 (3.1-8.4)	0	
G4	**15-29**	4.8 (2.6-6.6)	0	3.1 (2.6-3.6)	0	5.3 (4.8-5.7)	0	5.7 (3.4-6.6)	0	
G5	**<15**	n/a	0	n/a	n/a	n/a	n/a	n/a	n/a	
p-value	0.041^∞	**Total**	15	4.6 (2.2-9)	11	4.6 (2.4-9.9)	3	5.1 (3.1-8.9)	1	0.025^∂

*eGFR (mL/min/1.73m^2); ∞ Kruskal-Wallis multiple comparison test with Dunn's post hoc multiple comparison test for differences between eGFR categories; ^ Kruskal-Wallis multiple comparison test with Dunn's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ Kruskal-Wallis multiple comparison test with Dunn's multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 9C: Serum total cholesterol (mmol/mol) among patients with Type 2 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	
G1	**≥90**	4.2 (1.4-9.6)	3	4.2 (1.4-8.9)	2	4.2 (1.7-9.6)	0	4.4 (1.8-9.4)	1	
G2	**60-89**	3.9 (1.5-10.1)	3	3.9 (1.6-10.1)	3	3.9 (1.5-8.2)	0	3.8 (1.8-6.9)	0	
G3a	**45-59**	3.8 (1.7-8.2)	2	3.8 (1.8-8.2)	0	3.7 (1.7-6.8)	2	3.9 (1.9-6.9)	0	<0.001^
G3b	**30-44**	3.7 (2-8.2)	2	3.7 (2.2-7.2)	0	3.7 (2.2-8.2)	0	3.8 (2-8)	2	
G4	**15-29**	3.8 (1.9-7.6)	0	3.8 (2.5-6.5)	0	3.9 (2.4-7.3)	0	3.8 (1.9-7.6)	0	
G5	**<15**	4.3 (3-15.5)	0	3.0	0	5.2	0	4.3 (3-15.5)	0	
p-value	<0.001∞	**Total**	10	4 (1.4-10.1)	5	3.9 (1.5-9.6)	2	3.9 (1.8-15.5)	3	0.069∂

*eGFR (mL/min/1.73m^2); ∞ Kruskal-Wallis multiple comparison test with Dunn's post hoc multiple comparison test for differences between eGFR categories; ^ Kruskal-Wallis multiple comparison test with Dunn's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ Kruskal-Wallis multiple comparison test with Dunn's multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	
G1	**≥90**	1.3 (0.4-4.2)	27	1.4 (0.5-4)	22	1.2 (0.4-4.2)	4	1.1 (0.6-2.7)	1	
G2	**60-89**	1.2 (0.3-3.8)	6	1.2 (0.4-3.5)	4	1.2 (0.3-3.8)	1	1.2 (0.6-2.7)	1	
G3a	**45-59**	1.2 (0.3-4.4)	5	1.2 (0.4-4.4)	1	1.2 (0.3-2.8)	3	1.1 (0.6-2.4)	1	<0.001^
G3b	**30-44**	1.1 (0.5-3.7)	3	1.2 (0.5-2.5)	0	1.1 (0.5-2.8)	0	1.1 (0.5-3.7)	3	
G4	**15-29**	1.1 (0.5-3)	1	1.1 (0.5-2.6)	0	1.1 (0.6-2.6)	1	1.1 (0.6-3)	0	
G5	**<15**	1.1 (0.8-2.5)	0	1.0	0	2.5	0	1.1 (0.8-1.4)	0	
p-value	<0.001^^	**Total**	**42**	1.3 (0.4-4.4)	27	1.2 (0.3-4.2)	9	1.1 (0.5-3.7)	6	<0.001^∂

Supplementary Table 10A: Serum HDL-C (mmol/mol) among all patients with Diabetes Mellitus by stage of DKD

*eGFR (mL/min/1.73m^2); ^^ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 10B: Serum HDL-C (mmol/mol) among patients with Type 1 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	
G1	**≥90**	1.6 (0.5-4.2)	19	1.6 (0.6-4)	16	1.6 (0.5-4.2)	3	1.7 (0.6-2.7)	0	0.21^
G2	**60-89**	1.7 (0.5-3.8)	2	1.7 (0.5-3.1)	1	2 (0.6-3.8)	0	1.6 (1-2.7)	1	
G3a	**45-59**	1.6 (0.7-4.4)	2	1.6 (0.8-4.4)	0	1.4 (0.7-2.8)	1	1.6 (0.9-2.4)	1	
G3b	**30-44**	1.5 (0.6-3.7)	1	1.7 (0.6-1.8)	0	1.6 (0.6-2.6)	0	1.2 (0.9-3.7)	1	
G4	**15-29**	1.2 (0.9-2.3)	0	1.2 (1.1-1.3)	0	1.5 (1.1-1.8)	0	1.2 (0.9-2.3)	0	
G5	**<15**	n/a	0	n/a	n/a	n/a	n/a	n/a	n/a	
p-value	0.02^∞	**Total**	**24**	1.6 (0.5-4.4)	17	1.6 (0.5-4.2)	4	1.5 (0.6-3.7)	3	0.04^∂

*eGFR (mL/min/1.73m^2); ^∞ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ^∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 10C: Serum HDL-C (mmol/mol) among patients with Type 2 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	**Median (Min- Max)**	**Missing**	
G1	**≥90**	1.1 (0.4-2.8)	8	1.2 (0.5-2.8)	6	1.1 (0.4-2.6)	1	1.1 (0.7-2.2)	1	
G2	**60-89**	1.2 (0.3-3.5)	3	1.2 (0.4-3.5)	3	1.1 (0.3-3.1)	0	1.1 (0.6-2.5)	0	
G3a	**45-59**	1.2 (0.4-2.8)	3	1.2 (0.4-2.8)	1	1.2 (0.4-2.5)	2	1 (0.6-1.5)	0	<0.001^
G3b	**30-44**	1.1 (0.5-2.8)	2	1.2 (0.5-2.5)	0	1.1 (0.5-2.8)	0	1.1 (0.5-2.1)	2	
G4	**15-29**	1.1 (0.5-3)	1	1 (0.5-2.6)	0	1.1 (0.6-2.6)	1	1.1 (0.6-3)	0	
G5	**<15**	1.1 (0.8-2.5)	0	1.0	0	2.5	0	1.1 (0.8-1.4)	0	
p-value	0.006^∞	**Total**	**17**	1.2 (0.4-3.5)	10	1.1 (0.3-3.1)	4	1.1 (0.5-3)	3	<0.001^∂

*eGFR (mL/min/1.73m^2); ^∞ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ^∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 11A: Absolute change in renal function (mL/min/1.73m^2) among all patients with Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	-0.97±1.58	239	-0.97±1.51	187	-0.88±1.94	42	-1.35±1.28	10	
G2	**60-89**	-1.8±1.98	174	-1.7±1.86	124	-1.86±2.05	38	-2.86±2.76	12	
G3a	**45-59**	-2.78±2.37	64	-2.66±2.08	33	-2.6±2.46	27	-3.85±3.15	4	<0.001^
G3b	**30-44**	-3.35±2.56	61	-3.45±2.69	25	-3.21±2.31	29	-3.45±2.78	7	
G4	**15-29**	-4.45±3.56	32	-4.25±3.46	11	-3.81±2.6	13	-5.13±4.23	8	
G5	**<15**	-4.84±3.26	0	-3.71	0	-1.95	0	-5.35±3.46	0	
p-value	<0.001∞	**Total**	**570**	-1.56±1.95	380	-1.99±2.34	149	-3.33±-2.44	41	<0.001∂

*eGFR (mL/min/1.73m^2); ∞ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Rate of change in renal function was calculated based on 18 (2-416) individual CKD-EPI values.

Supplementary Table 11B: Absolute change in renal function (mL/min/1.73m^2) among patients with Type 1 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	-0.89±1.62	98	-0.9±1.55	91	-0.68±1.95	4	-1.65±1.62	3	
G2	**60-89**	-1.92±2.08	24	-1.7±1.88	21	-2.03±2.61	2	-3.76±2.16	1	
G3a	**45-59**	-1.91±1.75	3	-1.77±1.09	1	-2.16±1.8	1	-1.84±2.57	1	<0.001^
G3b	**30-44**	-3.47±3.42	2	-4.58±6.18	1	-3±2.18	1	-3.35±2.74	0	
G4	**15-29**	-5.14±4.59	1	-0.61±1.47	0	-2.65±1.71	0	-6.9±4.61	1	
G5	**<15**	n/a	0	n/a	n/a	n/a	n/a	n/a	n/a	
p-value	<0.001^^	**Total**	**128**	-1.12±1.76	114	-1.25±2.22	8	-3.26±3.04	6	<0.001^∂

*eGFR (mL/min/1.73m^2); ^^ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ^∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 11C: Absolute change in renal function (mL/min/1.73m^2) among patients with Type 2 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	-1±1.48	137	-1.01±1.38	93	-0.91±1.9	37	-1.19±1.07	7	
G2	**60-89**	-1.77±1.89	148	-1.67±1.8	103	-1.89±1.95	34	-2.47±2.49	11	
G3a	**45-59**	-2.84±2.41	61	-2.71±2.12	32	-2.63±2.51	26	-4.23±3.13	3	0.008^
G3b	**30-44**	-3.35±2.46	59	-3.39±2.43	24	-3.23±2.33	28	-3.55±2.8	7	
G4	**15-29**	-4.36±3.49	31	-4.49±3.48	11	-3.89±2.7	13	-4.72±4.15	7	
G5	**<15**	-4.84±3.26	0	-3.71	0	-1.95	0	-5.35±3.46	0	
p-value	<0.001^^	**Total**	**436**	-1.71±1.95	263	-2.13±2.33	138	-3.31±3.13	35	<0.001^∂

*eGFR (mL/min/1.73m^2); ^^ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ^∂^ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 11D: Absolute change in renal function (mL/min/1.73m^2) among patients with Other types of Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	-1.45±2.67	4	-1.21±2.69	3	-3.09±2.11	1	n/a	n/a	
G2	**60-89**	-2.67±4.41	2	-2.91±3.42	0	2.63±2.45	2	-6.53±7.28	0	
G3a	**45-59**	-2.36±1.8	0	-2.12±1.85	0	-2.73±2.37	0	n/a	n/a	0.022^
G3b	**30-44**	0.1	0	n/a	n/a	n/a	n/a	0.1	0	
G4	**15-29**	-4.73±2.43	0	-3.8	0	-3.48±1.29	0	-8.2	0	
G5	**<15**	n/a	0	n/a	n/a	n/a	n/a	n/a	n/a	
p-value	0.202∞	**Total**	**6**	-1.85±2.96	3	-1.67±3.18	3	-5.54±6.07	0	0.053∂

*eGFR (mL/min/1.73m^2); ∞ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 12A: Percent change in renal function (% change/year) among all patients with Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	-1.05±2.08	239	-1.06±1.86	187	-0.88±2.97	42	-1.44±1.38	10	
G2	**60-89**	-2.32±2.79	174	-2.18±2.65	124	-2.43±2.93	38	-3.66±3.56	12	
G3a	**45-59**	-4.19±4.14	64	-4.08±3.28	33	-3.77±5	27	-5.88±4.91	4	
G3b	**30-44**	-6.27±4.82	61	-6.29±5.14	25	-6.2±4.54	29	-6.41±4.83	7	<0.001^
G4	**15-29**	-10.36±6.67	32	-9.66±6.68	11	-9.35±4.98	13	-11.7±7.75	8	
G5	**<15**	-16.39±8.83	0	-10.02	0	-8.43	0	-18.19±9.04	0	
p-value	<0.001∞	**Overall**	**570**	-2.13±3.08	380	-3.12±4.37	149	-5.91±6.16	41	<0.001∂

*eGFR (mL/min/1.73m^2); ∞ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Rate of change in renal function was calculated based on 18 (2-416) individual CKD-EPI values.

Supplementary Table 12B: Percent change in renal function (% change/year) among patients with Type 1 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	-0.93±2.07	98	-0.96±1.97	91	-0.64±2.66	4	-1.51±1.73	3	
G2	**60-89**	-2.38±2.47	24	-2.08±2.22	21	-2.61±2.96	2	-4.82±2.65	1	
G3a	**45-59**	-2.86±2.55	3	-2.82±1.77	1	-3.45±3.13	1	-2.25±3	1	<0.001^
G3b	**30-44**	-6.05±5.51	2	-8.09±8.65	1	-5.35±4.42	1	-5.71±4.81	0	
G4	**15-29**	-12.4±8.03	1	-1.9±5.91	0	-8.58±3.59	0	-15.97±6.65	1	
G5	**<15**	n/a	0	n/a	n/a	n/a	n/a	n/a	n/a	
p-value	<0.001∞	**Overall**	**128**	-1.3±2.3	114	-1.72±3.37	8	-5.2±5.74	6	<0.001∂

*eGFR (mL/min/1.73m^2); ∞ANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 12C: Percent change in renal function (% change/year) among patients with Type 2 Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	-1.11±2.04	137	-1.13±1.72	93	-0.93±3.11	37	-1.4±1.2	7	
G2	**60-89**	-2.29±2.66	148	-2.16±2.56	103	-2.51±2.79	34	-3.14±3.23	11	
G3a	**45-59**	-4.28±4.23	61	-4.15±3.34	32	-3.78±5.14	26	-6.56±4.93	3	<0.001^
G3b	**30-44**	-6.33±4.73	59	-6.19±4.94	24	-6.28±4.56	28	-6.75±4.74	7	
G4	**15-29**	-10.14±6.62	31	-10.14±6.61	11	-9.41±5.19	13	-10.83±7.83	7	
G5	**<15**	-16.39±8.83	0	-10.02	0	-8.43	0	-18.19±9.04	0	
p-value	<0.001∞	**Overall**	**436**	-2.41±3.21	263	-3.38±4.45	138	-6.06±6.22	35	<0.001∂

*eGFR (mL/min/1.73m^2); ᵒᵒANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 12D: Percent change in renal function (% change/year) among patients with Other types of Diabetes Mellitus by stage of DKD

				Degree of Albuminuria (uACR)						p-value
				A1		A2		A3		
				Normal to mildly increased		Moderately increased		Severely increased		
				<3mg/mmol		3-29mg/mmol		≥30mg/mmol		
eGFR* Category		**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	**Mean ± SD**	**Missing**	
G1	**≥90**	-1.51±2.76	4	-1.22±2.75	3	-3.46±2.19	1	n/a	n/a	0.001^
G2	**60-89**	-3.62±7.61	2	-4.31±6.73	0	5.4±5.49	2	-8.51±9.41	0	
G3a	**45-59**	-3.82±2.94	0	-3.39±3.01	0	-4.47±3.86	0	n/a	n/a	
G3b	**30-44**	2.4	0	n/a	n/a	n/a	n/a	2.4	0	
G4	**15-29**	-10.44±2.51	0	-10.0	0	-8.92±1.26	0	-14.0	0	
G5	**<15**	n/a	0	n/a	n/a	n/a	n/a	n/a	n/a	
p-value	0.008ᵒᵒ	**Overall**	**6**	-2.49±4.69	3	-2.32±5.86	3	-7.43±8.93	0	0.128∂

*eGFR (mL/min/1.73m^2); ᵒᵒANOVA with Tukey's post hoc multiple comparison test for differences between eGFR categories; ^ANOVA with Tukey's post hoc multiple comparison test for differences between stages of DKD as defined by eGFR category and degree of albuminuria; ∂ANOVA with Tukey's post hoc multiple comparison test for differences between albuminuria categories; missing – individuals for which a value is not available.

Supplementary Table 13: Prevalence of low, intermediate and high 5-year risk of ESRD (based on the Kidney Failure Risk Equation (KFRE)) among patients with Diabetes Mellitus and eGFR <60mL/min/1.73m^2.

Stage of DKD	All Diabetes Mellitus			Type 1 Diabetes Mellitus			Type 2 Diabetes Mellitus			Other Diabetes Mellitus		
	Low	Intermediate	High	Low	Intermediate	High	Low	Intermediate	High	Low	Intermediate	High
G3aA1	100.0% (287/287)	0.0% (0/287)	0.0% (0/287)	100.0% (13/13)	0.0% (0/13)	0.0% (0/13)	100.0% (271/271)	0.0% (0/271)	0.0% (0/271)	100.0% (3/3)	0.0% (0/3)	0.0% (0/3)
G3aA2	100.0% (167/167)	0.0% (0/167)	0.0% (0/167)	100.0% (10/10)	0.0% (0/10)	0.0% (0/10)	100.0% (155/155)	0.0% (0/155)	0.0% (0/155)	100.0% (2/2)	0.0% (0/2)	0.0% (0/2)
G3aA3	74.5% (41/55)	23.6% (13/55)	1.8% (1/55)	44.4% (4/9)	55.6% (5/9)	0.0% (0/9)	80.4% (37/46)	17.4% (8/46)	2.2% (1/46)	N/A	N/A	N/A
G3bA1	97.3% (145/149)	2.7% (4/149)	0.0% (0/149)	85.7% (6/7)	14.3% (1/7)	0.0% (0/7)	97.9% (139/142)	2.1% (3/142)	0.0% (0/142)	N/A	N/A	N/A
G3bA2	72.2% (117/162)	27.2% (44/162)	0.6% (1/162)	58.3% (7/12)	33.3% (4/12)	8.3% (1/12)	73.3% (110/150)	26.7% (40/150)	0.0% (0/150)	N/A	N/A	N/A
G3bA3	5.5% (4/73)	58.9% (43/73)	35.6% (26/73)	0.0% (0/13)	38.5% (5/13)	61.5% (8/13)	6.8% (4/59)	62.7% (37/59)	30.5% (18/59)	0.0% (0/1)	100.0% (1/1)	0.0% (0/1)
G4A1	28.3% (13/46)	60.9% (28/46)	10.9% (5/46)	0.0% (0/2)	50.0% (1/2)	50.0% (1/2)	27.9% (12/43)	62.8% (27/43)	9.3% (4/43)	100.0% (1/1)	0.0% (0/1)	0.0% (0/1)
G4A2	1.8% (1/57)	42.1% (24/57)	56.1% (32/57)	0.0% (0/2)	0.0% (0/2)	100.0% (2/2)	1.9% (1/53)	43.4% (23/53)	54.7% (29/53)	0.0% (0/2)	50.0% (1/2)	50.0% (1/2)
G4A3	0.0% (0/59)	0.0% (0/59)	100.0% (59/59)	0.0% (0/9)	0.0% (0/9)	100.0% (9/9)	0.0% (0/49)	0.0% (0/49)	100.0% (49/49)	0.0% (0/1)	0.0% (0/1)	100.0% (1/1)
G5A1	0.0% (0/1)	0.0% (0/1)	100.0% (1/1)	N/A	N/A	N/A	0.0% (0/1)	0.0% (0/1)	100.0% (1/1)	N/A	N/A	N/A
G5A2	0.0% (0/1)	0.0% (0/1)	100.0% (1/1)	N/A	N/A	N/A	0.0% (0/1)	0.0% (0/1)	100.0% (1/1)	N/A	N/A	N/A
G5A3	0.0% (0/8)	0.0% (0/8)	100.0% (8/8)	N/A	N/A	N/A	0.0% (0/8)	0.0% (0/8)	100.0% (8/8)	N/A	N/A	N/A
Total	72.8% (775/1065)	14.6% (156/1065)	12.6% (134/1065)	51.9% (40/77)	20.8% (16/77)	27.3% (21/77)	74.5% (729/978)	14.1% (138/978)	11.4% (111/978)	60% (6/10)	20% (2/10)	20% (2/10)

Low risk: 0-5%; Intermediate risk: 5-15%; High risk: 15%.

% Change in eGFR/year	Multivariate Model 1	Multivariate Model 2	Multivariate Model 3	Multivariate Model 4
Values Available	876/1018 (86.05%)	871/1018 (85.56%)	712/1018 (69.94%)	710/1018 (69.74%)

Supplementary Table 14A: Multiple linear regression model with rate of change of eGFR (% change eGFR/year) as a response variable for T1DM

R-sq(adj)	11.41%			6.16%			11.72%			20.07%		
Variable	**Coeff**	**95% CI**	**p-value**	**Coeff**	**95% CI**	**p-value**	**Coeff**	**95% CI**	**p-value**	**Coeff**	**95% CI**	**p-value**
Constant	-3.69	(-5.43, -1.96)	**<0.001**	0.17	(-1.86, 2.2)	0.868	-0.71	(-1.52, 0.11)	0.088	-1.41	(-3.49, 0.67)	0.185
LN uACR (mg/mmol)	-0.55	(-0.67, -0.43)	**<0.001**							-0.61	(-0.74, -0.47)	**<0.001**
HbA1c (mmol/mol)	0.02	(0.01, 0.03)	**0.001**							0.02	(0, 0.03)	**0.009**
Baseline eGFR (per 10ml/min/1.73m2)	0.10	(0.02, 0.18)	**0.014**									
ALP (U/L)	0.00	(-0.01, 0.01)	0.974									
ALT (U/L)	0.00	(-0.01, 0.02)	0.587									
Cholesterol (mmol/L)	-0.09	(-0.27, 0.09)	0.335									
HDL-C (mmol/L)	0.29	(-0.06, 0.64)	0.105									
Free T4 (pmol/L)	-0.01	(-0.07, 0.05)	0.699									
TSH (mIU/L)	0.04	(-0.05, 0.12)	0.401									
Age (per 10 years)				-0.04	(-0.18, 0.1)	0.555						
LN Duration of DM (years)				0.06	(-0.09, 0.21)	0.428						
BMI (Kg/m2)				0.01	(-0.04, 0.05)	0.808						
SBP (per 10 mmHg)				-0.22	(-0.37, -0.07)	**0.005**				-0.21	(-0.37, -0.06)	**0.006**
DBP (per 10 mmHg)				0.16	(-0.09, 0.42)	0.206				0.28	(0.03, 0.53)	**0.029**
No. of Antihypertensives				-0.73	(-1.04, -0.42)	**<0.001**				-0.59	(-0.9, -0.28)	**<0.001**
Male				-0.05	(-0.41, 0.32)	0.807						
Non-caucasian				1.56	(-0.79, 3.91)	0.193						
ACE/ARB				0.44	(-0.17, 1.04)	0.159				0.94	(0.34, 1.54)	**0.002**
Adj SD BMI							-0.31	(-0.51, -0.12)	**0.001**	-0.38	(-0.56, -0.2)	**<0.001**
Adj SD SBP							-0.11	(-0.17, -0.05)	**<0.001**			
Adj SD DBP							0.06	(-0.05, 0.17)	0.308			
Adj SD HbA1c							0.01	(-0.02, 0.05)	0.401			
LN Adj SD uACR							-0.33	(-0.45, -0.21)	**<0.001**			
Adj SD Cholesterol							-0.91	(-1.53, -0.29)	**0.004**	-0.61	(-1.2, -0.01)	**0.046**
Adj SD HDL-C							2.72	(0.78, 4.66)	**0.006**	2.35	(0.49, 4.2)	**0.013**

R-sq (adj): R-squared (adjusted), uACR: urine albumin:creatinine ratio, HbA_{1c}: glycated haemoglobin, eGFR: estimated glomerular filtration rate, ALP: alkaline phosphatase, ALT: alanine aminotransferase, Cholesterol: Total Cholesterol, HDL-C: high density lipoprotein, Free T4: Thyroxine, TSH: thyroid stimulating hormone, BMI: body mass index, SBP: systolic blood pressure, DBP: diastolic blood pressure, DM: diabetes mellitus, ACEi/ARB: angiotensin converting enzyme inhibitor/angiotensin receptor blocker, Adj SD: adjusted standard deviation. Multivariate model 1 – relevant biochemical and urinary indices, multivariate model 2- relevant clinical indices, multivariate model 3 – variability indices, multivariate model 4- stepwise regression using relevant biochemical, urinary, clinical and variability indices.

% Change in eGFR/year	Multivariate Model 1			Multivariate Model 2			Multivariate Model 3			Multivariate Model 4		
Values Available	2901/3367 (86.16%)			2791/3367 (82.89%)			2175/3367 (64.6%)			2151/3367 (63.88%)		
R-sq(adj)	11.45%			9.84%			8.84%			16.07%		
Variable	Coeff	95% CI	p-value	Coeff	95% CI	p-value	Coeff	95% CI	p-value	Coeff	95% CI	p-value
Constant	-4.46	(-5.67, -3.25)	**<0.001**	-1	(-2.64, 0.64)	**0.231**	-2.01	(-2.59, -1.44)	**<0.001**	-2.72	(-4.57, -0.86)	**0.004**
LN uACR (mg/mmol)	-0.53	(-0.62, -0.45)	**<0.001**							-0.25	(-0.39, -0.12)	**<0.001**
HbA1c (mmol/mol)	0.01	(0, 0.02)	**0.025**							0.01	(0, 0.02)	**0.022**
Baseline eGFR (per 10ml/min/1.73m2)	0.22	(0.15, 0.28)	**<0.001**									
ALP (U/L)	-0.01	(-0.01, -0.01)	**<0.001**							-0.01	(-0.01, 0)	**0.001**
ALT (U/L)	0.01	(0.01, 0.02)	**<0.001**									
Cholesterol (mmol/L)	-0.03	(-0.16, 0.09)	0.592									
HDL-C (mmol/L)	0.84	(0.49, 1.19)	**<0.001**							0.72	(0.32, 1.13)	**<0.001**
Free T4 (pmol/L)	-0.04	(-0.08, 0.01)	0.137									
TSH (mIU/L)	-0.10	(-0.16, -0.05)	**<0.001**							-0.07	(-0.13, -0.02)	**0.009**
Age (per 10 years)				-0.43	(-0.56, -0.3)	**<0.001**				-0.41	(-0.55, -0.27)	**<0.001**
LN Duration of DM (years)				-0.02	(-0.09, 0.06)	0.64						
BMI (Kg/m2)				-0.01	(-0.03, 0.01)	0.244						
SBP (per 10 mmHg)				-0.11	(-0.2, -0.02)	**0.012**						
DBP (per 10 mmHg)				0.43	(0.27, 0.59)	**<0.001**				0.37	(0.21, 0.53)	**<0.001**
No. of Antihypertensives				-0.52	(-0.64, -0.39)	**<0.001**				-0.34	(-0.48, -0.2)	**<0.001**
Male				0.23	(-0.03, 0.5)	0.081				0.33	(0.02, 0.64)	**0.036**
Non-caucasian				-0.43	(-1.49, 0.63)	0.43						
ACE/ARB				0.65	(0.31, 0.99)	**<0.001**				0.46	(0.07, 0.84)	**0.020**
Adj SD BMI							0.08	(-0.06, 0.23)	0.249			
Adj SD SBP							-0.08	(-0.11, -0.04)	**<0.001**	-0.03	(-0.06, 0.01)	0.121
Adj SD DBP							-0.03	(-0.1, 0.04)	0.427			
Adj SD HbA1c							-0.01	(-0.03, 0.02)	0.492	-0.03	(-0.05, 0)	**0.019**
LN Adj SD uACR							-0.52	(-0.61, -0.43)	**<0.001**	-0.23	(-0.35, -0.11)	**<0.001**
Adj SD Cholesterol							-0.05	(-0.47, 0.36)	0.805	-0.35	(-0.75, 0.06)	0.091
Adj SD HDL							0.79	(-1.21, 2.79)	0.437			

Supplementary Table 14B: Multiple linear regression model with rate of change of eGFR (% change eGFR/year) as a response variable for T2DM

R-sq (adj): R-squared (adjusted), uACR: urine albumin:creatinine ratio, HbA_{1c}: glycated haemoglobin, eGFR: estimated glomerular filtration rate, ALP: alkaline phosphatase, ALT: alanine aminotransferase, Cholesterol: Total Cholesterol, HDL-C: high density lipoprotein, Free T4: Thyroxine, TSH: thyroid stimulating hormone, BMI: body mass index, SBP: systolic blood pressure, DBP: diastolic blood pressure, DM: diabetes mellitus, ACEi/ARB: angiotensin converting enzyme inhibitor/angiotensin receptor blocker, Adj SD: adjusted standard

deviation. Multivariate model 1 – relevant biochemical and urinary indices, multivariate model 2- relevant clinical indices, multivariate model 3 – variability indices, multivariate model 4- stepwise regression using relevant biochemical, urinary, clinical and variability indices.