

Supplementary Table 1. KDIGO prognosis of nephropathy by GFR and albuminuria (18)

GFR (ml/min/1.73m ²)	Albuminuria (mg/g)		
	<30	30-300	>300
≥90	Low	Moderate	High
60-89	Low	Moderate	High
45-59	Moderate	High	Very high
30-44	High	Very high	Very high
15-29	Very high	Very high	Very high
<15	Very high	Very high	Very high

Supplementary Table 2. Ethnic distribution of microvascular complications

	Malay (N=599)	Indian (N=825)	Chinese (N=386)	P value
None	265 (44.2%)	474 (57.4%)	248 (64.3%)	<0.001
DR only	137 (22.9%)	244 (29.6%)	95 (24.6%)	
CKD only	120 (20.0%)	55 (6.7%)	26 (6.7%)	
DR and CKD	77 (12.9%)	52 (6.3%)	17 (4.4%)	

Supplementary Table 3. Predictors of all-cause mortality and major adverse cardiovascular events in the overall cohort

Overall cohort	No. at risk	All-cause mortality				MACE			
		No. of events (%)	Adjusted HR*	95% CI	p-value	No. of events (%)	Adjusted HR*	95% CI	p-value
Diabetes									
No	6651	365 (5.5%)	Ref			449 (6.8%) 276	Ref		
Yes	1890	249 (13.2%)	1.74	1.45-2.08	<0.001	(14.6%)	1.64	1.39-1.93	<0.001
Glycemic control & microvascular complications									
Non DM	6651	365 (5.5%)	Ref			449 (6.8%)	Ref		
None, HbA1c<8	644	36 (5.6%)	1.08	0.76-1.56	0.655	42 (6.5%)	0.94	0.68-1.31	0.718
DR or CKD, HbA1c<8	358	63 (17.6%)	1.64	1.22-2.21	0.001	55 (15.4%)	1.24	0.92-1.67	0.158
DR & CKD, HbA1c<8	75	20 (26.7%)	1.66	1.01-2.73	0.046	25 (33.3%)	2.07	1.33-3.21	0.001
None, HbA1c≥8	338	25 (7.4%)	1.54	1.02-2.33	0.041	52 (15.4%)	2.33	1.74-3.13	<0.001
DR or CKD, HbA1c≥8	284	56 (19.7%)	2.56	1.91-3.44	<0.001	59 (20.8%)	2.36	1.78-3.12	<0.001
DR & CKD, HbA1c≥8	70	26 (37.1%)	2.82	1.81-4.40	<0.001	23 (32.9%)	2.15	1.36-3.41	0.001

* Adjusted for age, gender, race, BMI, current smoking status, systolic blood pressure, cholesterol and eGFR

Supplementary Table 4. Sensitivity analysis of predictors of all-cause mortality and major adverse cardiovascular events in subjects with diabetes

DM cohort	No. at risk	All-cause mortality				MACE			
		No. of events (%)	Adjusted HR*	95% CI	p-value	No. of events (%)	Adjusted HR*	95% CI	p-value
ACR (mg/g)	1256	100 (8.0%)	1.000207	1.000154-1.00026	<0.001	140 (11.1%)	1.00015	1.000102-1.000198	<0.001
Nephropathy									
ACR<30	755	36 (4.8%)	Ref			49 (6.5%)	Ref		
ACR 30-300	426	36 (8.4%)	1.44	0.89-2.33	0.139	66 (15.5%)	2.20	1.49-3.26	<0.001
ACR >300	75	28 (36.8%)	6.63	3.71-11.85	<0.001	25 (33.3%)	5.46	3.10-9.59	<0.001
Combined nephropathy									
Low risk	680	26 (3.8%)	Ref			33 (4.9%)	Ref		
Moderate to Very high risk	569	73 (12.8%)	2.11	1.31-3.41	0.002	104 (18.2%)	3.12	2.07-4.71	<0.001

*Adjusted for age, gender, race, BMI, current smoking status, systolic blood pressure, cholesterol and duration of diabetes