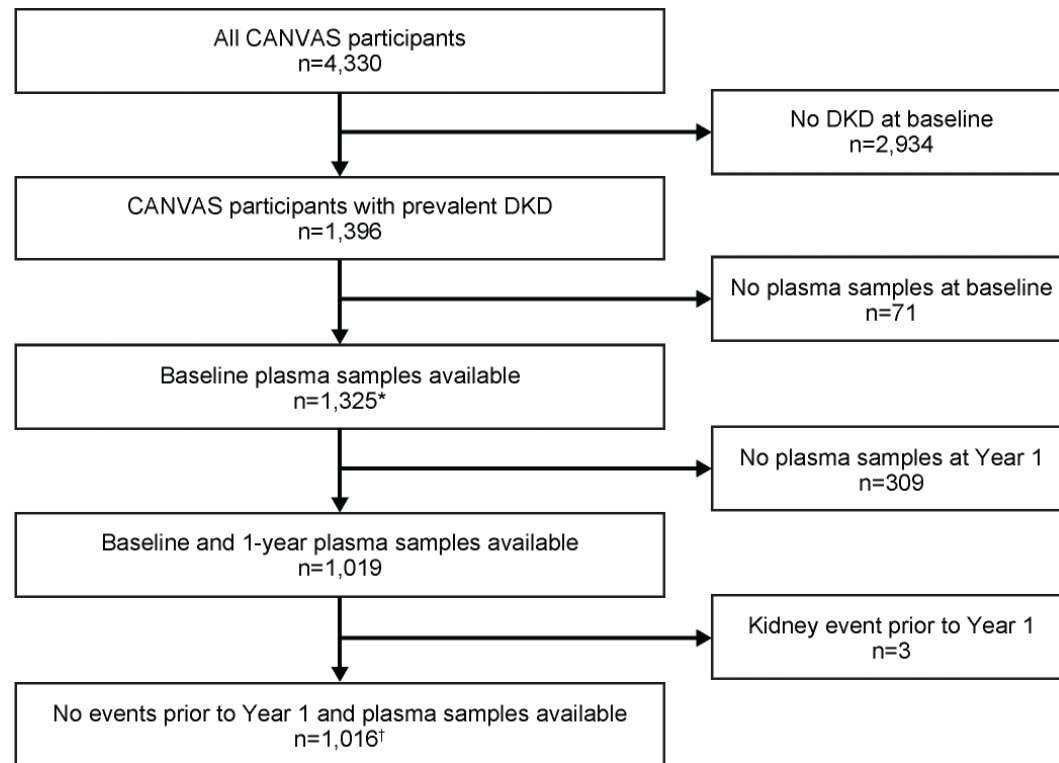


Supplementary Fig. 1. Flow diagram of study design and analysis.

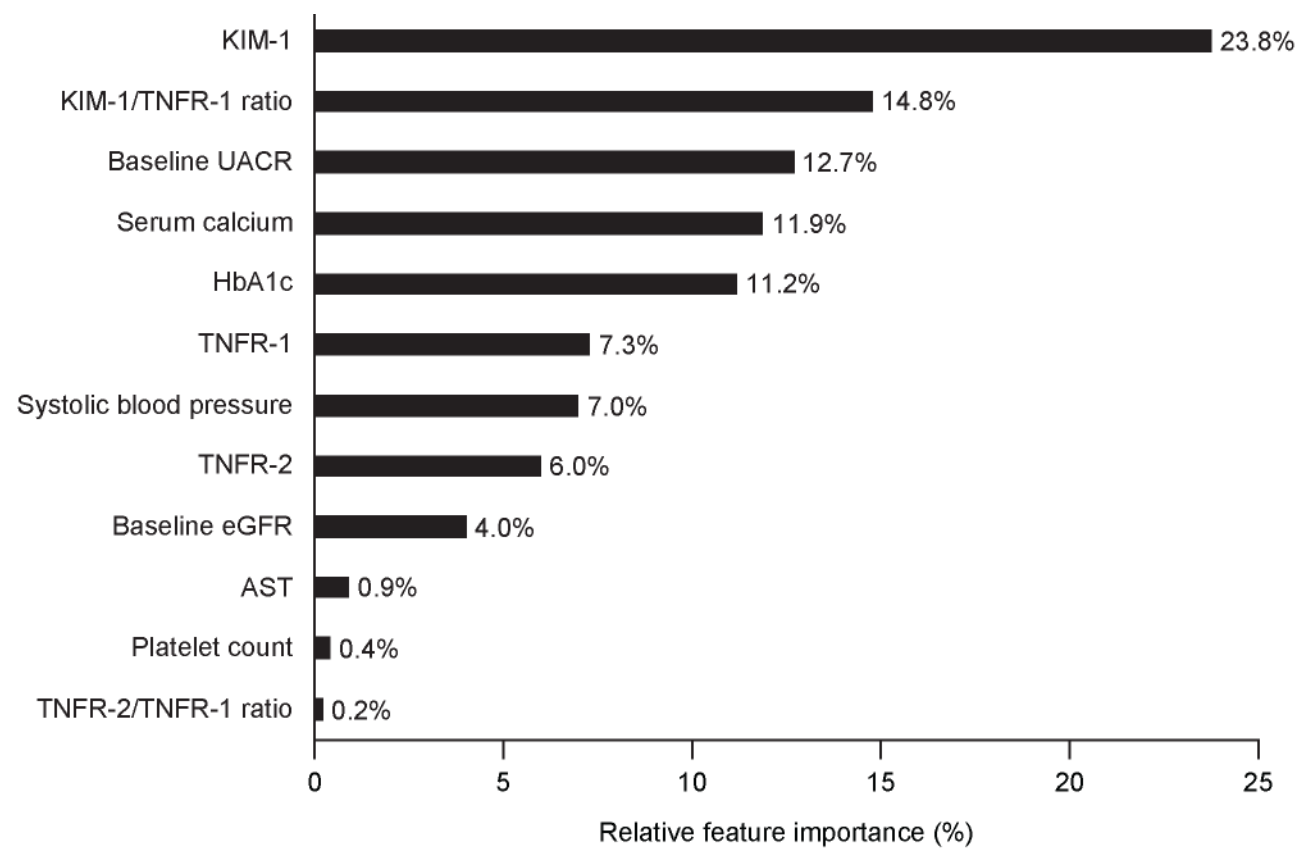


DKD, diabetic kidney disease.

*Used for baseline analyses.

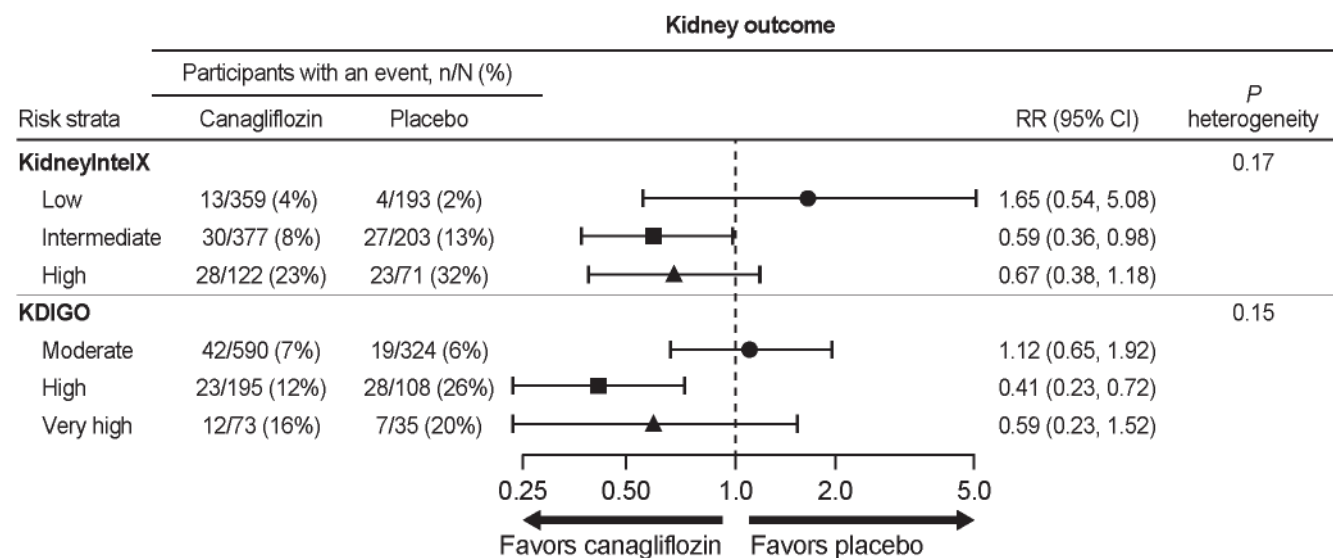
†Used for dynamic change analyses.

Supplementary Fig. 2. Relative feature importance.



KIM-1, kidney injury molecule 1; TNFR-1, tumor necrosis factor receptor 1; TNFR-2, tumor necrosis factor receptor 2; UACR, urine albumin to creatinine ratio; eGFR, estimated glomerular filtration rate; AST, aspartate aminotransferase.

Supplementary Fig. 3. Forest plots of the effects of canagliflozin on kidney outcomes by baseline KidneyIntelX and KDIGO risk strata.



RR, relative risk; CI, confidence interval.

Supplemental Fig. 4. KidneyIntelX score at baseline versus 1 year and risk of the composite kidney outcome.

		KidneyIntelX score at 1 year		
		Low	Intermediate	High
KidneyIntelX score at baseline	Low	1.0 (ref) 1%	3.4 (0.9, 12.4) 5%	
	Intermediate	2.6 (0.8, 8.4) 4%	4.6 (1.7, 12.3) 6%	19.4 (6.6, 56.6) 28%
	High	10.4 (3.6, 29.9) 15%		17.1 (6.6, 44.3) 25%

RR, relative risk; CI, confidence interval.

RRs (95% CIs) and cumulative incidence for the composite kidney outcome associated with changes in KidneyIntelX score.

Supplemental Table 1. Quality Control Parameters of Biospecimen Assays

	Average recovery (%)	Recovery range (%)	Average concentration (pg/mL)	Inter-assay CV	Intra-assay CV	Intra-assay CV range	Average LLOD (pg/mL)	LLOD range (pg/mL)
KIM-1 QCM	100	96-107	506	3.3	2.8	0-7.0	11	10-11
KIM-1 QCH	99	95-105	2006	2.9	1.6	0-6.0		
TNFR-1 QCM	98	93-109	7610	5.4	2.4	0-6.0	177	162-201
TNFR-1 QCH	96	84-107	15,786	6.5	3.2	1-6.0		
TNFR-2 QCM	102	97-112	10,534	5.2	3.3	0-7.0	179	172-196
TNFR-2 QCH	100	91-106	33,283	4.2	2.8	1-5.0		
KIM-1 NP	N/A	N/A	30	4.8	2.3	0-7.0	11	10-11
TNFR-1 NP	N/A	N/A	1685	5.1	2.1	0-8.0	177	162-201
TNFR-2 NP	N/A	N/A	6076	4.4	3.2	1-6.0	179	172-196

CV, coefficient of variability; LLOD, lower limit of detection; KIM-1, kidney injury molecule 1; QCM, quality control medium; QCH, quality control high; TNFR-1, tumor necrosis factor receptor 1; TNFR-2, tumor necrosis factor receptor 2; NP, normal plasma; N/A, not applicable.