

Characteristic	Percent of sampling runs in which the characteristic occurred as a significant feature ( $\beta \neq 0$ : p-value < 0.01, N=10000)	Mean	SD
Pulse pressure	100	1.035	0.002
Intensive treatment	100	3.316	0.204
Ratio of urinary albumin to creatinine	90.63	1.0006	0.0001
Female sex	18.3	2.096	0.560

**S5 Table.** Feature importance for predicting novel Chronic Kidney Disease (CKD) for non-CKD patients at baseline by the baseline model (CoxPH). Mean coefficients and SD are calculated using 1000 iterations. Mean coefficient > 1 implies positive risk effect for CV event.