Table S1. AIC and BIC for competing correlation structures

	Random intercept models		
	Auto-regressive (1)	Compound Symmetry	Autocorrelation-moving average
AIC	7951.6	7951.6	7955.6
BIC	8034.7	8034.7	8049.8

Table S2. Number of participants in KDIGO risk categories, including eGFR and UACR at non-dialysis person-visits

eGFR (mL/min/1.73 m²) Categories	uACR (mg/g) Categories			Total
	A1: <30	**A2: 30 to <300**	**A3: ≥300**	
G1: ≥90	123	21	4	148
G2: 60 to <90	312	53	14	379
G3a: 45 to <60	192	73	26	291
G3b: 30 to <45	285	186	116	587
G4: 15 to <30	81	108	144	333
G5: <15	3	21	39	63
Total	996	462	343	1,801

Color Key: KDIGO CKD Risk Categories

Low risk

Moderately high risk

High risk

Very high risk

Table S3. Yearly mean change in total SPPB score and gait speed (m/s) by KDIGO CKD risk group

	Model 1		Model 2		Model 3	
	Estimate (95% CI)	**P-value**	**Estimate (95% CI)**	**P-value**	**Estimate (95% CI)**	**P-value**
Yearly mean change in total SPPB score by KDIGO risk categories						
Low risk	-0.13 (-0.22, -0.04)		-0.08 (-0.20, 0.04)		-0.08 (-0.20, 0.04)	
Moderately high risk	-0.13 (-0.26, -0.00)	P trend <0.001	-0.01 (-0.17, 0.14)	P trend <0.001	-0.01 (-0.17, 0.14)	P trend <0.001
High risk	-0.21 (-0.32, -0.09)		-0.12 (-0.25, 0.01)		-0.12 (-0.25, 0.01)	
Very high risk	-0.38 (-0.47, -0.30)		-0.28 (-0.38, -0.19)		-0.28 (-0.38, -0.19)	
Yearly mean change in gait speed (m/s) by KDIGO risk categories						
Low risk	-0.013 (-0.023, -0.004)		-0.018 (-0.031, -0.006)		-0.018 (-0.031, -0.006)	
Moderately high risk	-0.027 (-0.040, -0.014)	P trend <0.001	-0.031 (-0.046, -0.015)	P trend <0.001	-0.031 (-0.046, -0.015)	P trend <0.001
High risk	-0.030 (-0.042, -0.019)		-0.033 (-0.047, -0.020)		-0.033 (-0.047, -0.020)	
Very high risk	-0.037 (-0.046, -0.029)		-0.035 (-0.045, -0.025)		-0.035 (-0.045, -0.025)	

Abbreviations: SPPB, short physical performance battery

Model 1: KDIGO CKD risk groups

Model 2: Model 1 with additional adjustment for age, sex, race, and years of education

Model 3: Model 2 with additional adjustment for body mass index, Diabetes Mellitus, cognitive impairment, and congestive heart failure