

Table 1. Association of Kidney Function Decline by eGFRcr (CKD Epi) with PWV & pulse pressure.

PWV	N	Unadjusted β(95% CI)	Demo adjusted* β(95% CI)	BP adjusted** β(95% CI)	Fully adjusted*** β(95% CI)	†MAP adjusted (no SBP, DBP) β(95% CI)
Continuous						
Log transformed	2057	-0.33 (-0.54, -0.11) ‡	-0.32 (-0.54, -0.10) ‡	-0.32 (-0.53, -0.10) ‡	-0.32 (-0.54, -0.10) ‡	-0.32 (-0.54, -0.10) ‡
Quartiles						
<642	525	0 (ref)	0 (ref)	0 (ref)	0 (ref)	0 (ref)
642-808	529	-0.11 (-0.33, 0.12)	-0.10 (-0.33, 0.12)	-0.10 (-0.33, 0.13)	-0.12 (-0.35, 0.11)	-0.12 (-0.35, 0.11)
809-1052	507	-0.19 (-0.43, 0.04)	-0.19 (-0.43, 0.04)	-0.19 (-0.42, 0.04)	-0.24 (-0.48, 0.01)	-0.24 (-0.48, 0.001)
>1052	496	-0.31 (-0.54, -0.07) ‡	-0.30 (-0.54, -0.06) ‡	-0.29 (-0.53, -0.05) ‡	-0.29 (-0.53, -0.05) ‡	-0.29 (-0.53, -0.05) ‡
Pulse Pressure						
Continuous (per 10mmHg)	2057	-0.07 (-0.12, -0.03) ‡	-0.07 (-0.12, -0.03) ‡	-0.07 (-0.12, -0.03) ‡	-0.08 (-0.13, -0.03) ‡	-0.08 (-0.13, -0.03) ‡
Quartiles						
<53	529	0 (ref)	0 (ref)	0 (ref)	0 (ref)	0 (ref)
53-62	503	-0.22 (-0.45, 0.01)	-0.21 (-0.44, 0.02)	-0.21 (-0.44, 0.02)	-0.20 (-0.43, 0.04)	-0.20 (-0.43, 0.04)
63-75	564	-0.28 (-0.51, -0.05) ‡	-0.28 (-0.51, -0.05) ‡	-0.27 (-0.50, -0.04) ‡	-0.28 (-0.51, -0.04) ‡	-0.28 (-0.51, -0.04) ‡
>75	461	-0.48 (-0.73, -0.23) ‡	-0.47 (-0.71, -0.22) ‡	-0.47 (-0.71, -0.22) ‡	-0.47 (-0.72, -0.21) ‡	-0.47 (-0.72, -0.21) ‡

*Adjusted for age, gender, race & site

**Adjusted for age, gender, race, site, SBP, DBP & HTN meds

***Adjusted for age, gender, race, site, SBP, DBP, HTN meds, DM, smoking, LDL, HDL, prevalent CHD & prevalent HF

† Adjusted for age, gender, race, site, HTN meds, DM, smoking, LDL, HDL, prevalent CHD, prevalent HF and MAP.

‡p < 0.05

Table 2. Association of Rapid Kidney Function Decline by eGFRcr (CKD Epi) with PWV & pulse pressure.

PWV	N	# rapid decline (%)	Unadjusted	Demo adjusted*	BP adjusted**	Fully adjusted***	†MAP adjusted (no SBP, DBP)
			OR (95% CI)	OR (95% CI)	OR (95% CI)	OR (95% CI)	OR (95% CI)
Continuous							
Log transformed	2057	257 (13%)	1.53 (1.09, 2.14)	1.33 (0.94, 1.89)	1.14 (0.79, 1.64)	1.02 (0.70, 1.49)	1.09 (0.75, 1.59)
Quartiles							
<642	525	54 (10%)	1.00 (ref)	1.00 (ref)	1.00 (ref)	1.00 (ref)	1.00 (ref)
642-808	529	62 (12%)	1.20 (0.81, 1.78)	1.08 (0.73, 1.61)	1.03 (0.69, 1.54)	1.02 (0.68, 1.53)	1.02 (0.68, 1.54)
809-1052	507	66 (13%)	1.40 (0.95, 2.06)	1.19 (0.79, 1.77)	1.07 (0.71, 1.61)	1.00 (0.66, 1.52)	1.02 (0.67, 1.54)
>1052	496	75 (15%)	1.58 (1.08, 2.31)	1.33 (0.90, 1.97)	1.15 (0.77, 1.72)	1.02 (0.67, 1.54)	1.08 (0.72, 1.63)
Pulse Pressure‡							
Continuous (per 10mmHg)	2057	257 (13%)	1.18 (1.10, 1.27)	1.18 (1.10, 1.27)	1.17 (1.09, 1.26)	1.17 (1.08, 1.26)	1.15 (1.06, 1.25)
Quartiles							
<53	529	52 (10%)	1.00 (ref)	1.00 (ref)	1.00 (ref)	1.00 (ref)	1.00 (ref)
53-62	503	45 (9%)	0.84 (0.55, 1.28)	0.84 (0.55, 1.30)	0.76 (0.47, 1.23)	0.64 (0.39, 1.03)	0.73 (0.47, 1.14)
63-75	564	75 (13%)	1.40 (0.95, 2.04)	1.41 (0.96, 2.08)	1.17 (0.69, 2.00)	0.93 (0.54, 1.61)	1.21 (0.81, 1.81)
>75	461	85 (18%)	2.00 (1.38, 2.91)	2.08 (1.42, 3.05)	1.46 (0.65, 3.24)	1.02 (0.45, 2.32)	1.66 (1.08, 2.55)

*Adjusted for age, gender, race & site

**Adjusted for age, gender, race, site, SBP, DBP & HTN meds

***Adjusted for age, gender, race, site, SBP, DBP, HTN meds, DM, smoking, LDL, HDL, prevalent CHD & prevalent HF

† Adjusted for age, gender, race, site, HTN meds, DM, smoking, LDL, HDL, prevalent CHD, prevalent HF and MAP.

‡ not adjusted for SBP & DBP in models

Table 3. Association of Incident CKD by eGFR_{vr} (CKD Epi) with PWV & pulse pressure.

Incident CKD is defined as eGFR-Cr_{≥60} at baseline and eGFR-Cr < 60 at exams 3 or 10 and KF decline by eGFR-Cr >1

PWV	N	# inc CKD (%)	Unadjusted	Demo adjusted*	BP adjusted**	Fully adjusted***	†MAP adjusted (no SBP, DBP)
			IRR (95% CI)	IRR (95% CI)	IRR (95% CI)	IRR (95% CI)	IRR (95% CI)
Continuous							
Log transformed	1502	329 (22%)	1.17 (0.92, 1.48)	1.11 (0.87, 1.43)	1.05 (0.82, 1.34)	1.02 (0.79, 1.30)	1.03 (0.80, 1.33)
Quartiles							
<642	402	78 (19%)	1.00 (ref)	1.00 (ref)	1.00 (ref)	1.00 (ref)	1.00 (ref)
642-808	393	84 (24%)	1.28 (0.99, 1.65)	1.23 (0.95, 1.58)	1.21 (0.93, 1.56)	1.21 (0.94, 1.57)	1.22 (0.94, 1.58)
809-1052	352	85 (24%)	1.33 (1.02, 1.73)	1.23 (0.94, 1.60)	1.19 (0.91, 1.55)	1.18 (0.90, 1.55)	1.19 (0.90, 1.56)
>1052	355	72 (20%)	1.18 (0.90, 1.56)	1.12 (0.85, 1.49)	1.07 (0.81, 1.41)	1.04 (0.78, 1.37)	1.06 (0.80, 1.40)
Pulse Pressure‡							
Continuous (per 10mmHg)	1502	329 (22%)	1.06 (1.01, 1.12)	1.05 (1.00, 1.11)	1.03 (0.98, 1.09)	1.03 (0.98, 1.09)	1.04 (0.99, 1.11)
Quartiles							
<53	385	79 (21%)	1.00 (ref)	1.00 (ref)	1.00 (ref)	1.00 (ref)	1.00 (ref)
53-62	373	72 (19%)	1.05 (0.94, 1.18)	1.04 (0.92, 1.16)	0.96 (0.84, 1.10)	0.96 (0.84, 1.10)	1.00 (0.89, 1.13)
63-75	413	97 (24%)	1.01 (0.90, 1.23)	0.95 (0.85, 1.06)	0.85 (0.72, 1.00)	0.85 (0.72, 1.01)	0.91 (0.81, 1.03)
>75	331	81 (25%)	1.28 (1.14, 1.41)	1.17 (1.04, 1.31)	0.91 (0.70, 1.18)	0.91 (0.69, 1.19)	1.04 (0.91, 1.18)

*Adjusted for age, gender, race & site

**Adjusted for age, gender, race, site, SBP, DBP & HTN meds

***Adjusted for age, gender, race, site, SBP, DBP, HTN meds, DM, smoking, LDL, HDL, prevalent CHD, prevalent HF & BL eGFR-cysC

† Adjusted for age, gender, race, site, HTN meds, DM, smoking, LDL, HDL, prevalent CHD, prevalent HF, BL eGFR cysC and MAP.

‡ not adjusted for SBP & DBP in models