

**Supplemental Table.** Associations between Categories of Serum Potassium with Cause of Death in CHS

<b>Sudden Cardiac Death</b>					
<b>Potassium Concentration (mEq/L)</b>	<b>&lt; 3.5</b>	<b>3.5 - 3.9</b>	<b>4.0 - 4.4</b>	<b>4.5 - 4.9</b>	<b>≥ 5.0</b>
#Events/P-Y	2 / 2818.4	11 / 9798.3	44 / 26660	16 / 8311	1 / 680
Event Rate (per 1000 P-Y)	0.71	1.12	1.65	1.93	1.47
Age, Sex, Race	0.46 (0.11, 1.89)	0.72 (0.37, 1.41)	1 (ref)	1.04 (0.58, 1.85)	0.74 (0.10, 5.43)
Fully Adjusted*	0.45 (0.10, 1.97)	0.70 (0.36, 1.46)	1 (ref)	1.04 (0.57, 1.91)	0.80 (0.11, 5.85)
<b>Pulmonary Death</b>					
<b>Potassium Concentration (mEq/L)</b>	<b>&lt; 3.5</b>	<b>3.5 - 3.9</b>	<b>4.0 - 4.4</b>	<b>4.5 - 4.9</b>	<b>≥ 5.0</b>
#Events/P-Y	15 / 4994	68 / 16931	171 / 44730	55 / 14966	4 / 1295
Event Rate (per 1000 P-Y)	3.00	4.02	3.82	3.67	3.09
Age, Sex, Race	0.64 (0.37, 1.08)	0.83 (0.63, 1.10)	1 (ref)	1.04 (0.76, 1.41)	0.74 (0.27, 2.00)
Fully Adjusted*	0.64 (0.36, 1.13)	0.83 (0.61, 1.12)	1 (ref)	0.96 (0.70, 1.34)	1.02 (0.37, 2.79)
<b>Cancer Death</b>					
<b>Potassium Concentration (mEq/L)</b>	<b>&lt; 3.5</b>	<b>3.5 - 3.9</b>	<b>4.0 - 4.4</b>	<b>4.5 - 4.9</b>	<b>≥ 5.0</b>
#Events/P-Y	38 / 4994	160 / 16931	353 / 44730	136 / 14966	12 / 1295
Event Rate (per 1000 P-Y)	7.61	9.45	7.89	9.09	9.27
Age, Sex, Race	0.80 (0.57, 1.12)	0.91 (0.76, 1.10)	1 (ref)	1.28 (1.04, 1.57)	0.97 (0.54, 1.73)
Fully Adjusted*	0.74 (0.50, 1.10)	0.86 (0.70, 1.05)	1 (ref)	1.23 (1.00, 1.52)	1.13 (0.61, 2.08)
<b>Neurological Death</b>					
<b>Potassium Concentration (mEq/L)</b>	<b>&lt; 3.5</b>	<b>3.5 - 3.9</b>	<b>4.0 - 4.4</b>	<b>4.5 - 4.9</b>	<b>≥ 5.0</b>
#Events/P-Y	39 / 4994	122 / 16931	266 / 44730	92 / 14966	9 / 1295
Event Rate (per 1000 P-Y)	7.81	7.21	5.95	6.15	6.95
Age, Sex, Race	0.99 (0.71, 1.40)	0.91 (0.73, 1.13)	1 (ref)	1.15 (0.90, 1.46)	1.11 (0.56, 2.18)
Fully Adjusted*	1.14 (0.77, 1.69)	0.92 (0.73, 1.16)	1 (ref)	1.27 (0.99, 1.63)	1.36 (0.66, 2.78)
<b>Other Death</b>					
<b>Potassium Concentration (mEq/L)</b>	<b>&lt; 3.5</b>	<b>3.5 - 3.9</b>	<b>4.0 - 4.4</b>	<b>4.5 - 4.9</b>	<b>≥ 5.0</b>
#Events/P-Y	28 / 4994	73 / 16931	217 / 44730	91 / 14966	11 / 1295
Event Rate (per 1000 P-Y)	5.61	4.31	4.85	6.08	8.49
Age, Sex, Race	0.88 (0.59, 1.32)	0.68 (0.52, 0.89)	1 (ref)	1.37 (1.07, 1.76)	1.54 (0.82, 2.88)
Fully Adjusted*	0.83 (0.52, 1.31)	0.70 (0.53, 0.92)	1 (ref)	1.46 (1.13, 1.89)	1.45 (0.73, 2.90)

\*Adjusted for age, sex, race, time-varying eGFR, DM, SBP, current smoking, pack-years smoking, ever having cancer, ACE inhibitors, potassium sparing diuretics, other diuretics, NSAIDs, potassium supplements, other anti-hypertensive medications, beta blockers, and beta agonists

\*\*Analyses and Events/P-Y accounted for participants until December 2011