

Additional File 5

Association between vascular calcified plaque score quintiles and mortality in DHS participants using models adjusted for age, sex, total cholesterol, HDL-cholesterol, smoking, systolic blood pressure, and use of anti-hypertensive medications. CAC: coronary artery calcified plaque; CarCP: carotid artery calcified plaque; AACP: abdominal aortic calcified plaque.

| Quintiles | CAC | | | CarCP | | | AACP | | | Multi-bed | | |
|----------------------------|----------------|-------------------|---------|----------------|-------------------|-----------------------|----------------|-------------------|---------|----------------|-------------------|-----------------------|
| | Quintile Range | HR (95% CI) | p-value | Quintile Range | HR (95% CI) | p-value | Quintile Range | HR (95% CI) | p-value | Quintile Range | HR (95% CI) | p-value |
| All-cause mortality | | | | | | | | | | | | |
| Qu1 | 0-29.5 | Ref | - | 0 | Ref | - | 0-497 | Ref | - | 0-0.10 | Ref | - |
| Qu2 | 29.5-214 | 1.80 (0.84-3.84) | 0.13 | 0-20 | 2.09 (0.93-4.67) | 0.07 | 497-2713 | 0.83 (0.38-1.81) | 0.64 | 0.1-0.45 | 2.07 (0.96-4.46) | 0.06 |
| Qu3 | 214-824 | 1.73 (0.81-3.71) | 0.16 | 20-123 | 2.71 (1.35-5.45) | 0.005 | 2713-8539 | 1.38 (0.71-2.66) | 0.34 | 0.45-1.39 | 1.48 (0.73-2.99) | 0.28 |
| Qu4 | 824-3259 | 2.30 (1.11-4.74) | 0.02 | 123-480 | 3.19 (1.58-6.46) | 0.0012 | 8539-21858 | 1.48 (0.76-2.89) | 0.25 | 1.39-3.33 | 2.85 (1.36-5.98) | 0.006 |
| Qu5 | 3295-50415 | 4.25 (1.94-9.31) | 0.0003 | 480-5954 | 4.50 (2.22-9.10) | 2.96x10 ⁻⁵ | 21858-94156 | 2.34 (1.22-4.49) | 0.01 | 3.33-23.57 | 4.59 (2.18-9.69) | 6.24x10 ⁻⁵ |
| CVD-Mortality | | | | | | | | | | | | |
| Qu1 | 0-29.5 | Ref | - | 0 | Ref | - | 0-496.6 | Ref | - | 0-0.10 | Ref | - |
| Qu2 | 29.5-214 | 2.28 (0.66-7.94) | 0.19 | 0-20 | 4.32 (0.89-20.96) | 0.07 | 497-2713 | 1.28 (0.31-5.30) | 0.73 | 0.1-0.45 | 3.24 (0.77-13.66) | 0.11 |
| Qu3 | 214-824 | 1.50 (0.44-5.10) | 0.51 | 20-123 | 3.25 (0.75-14.19) | 0.17 | 2713-8539 | 1.61 (0.42-0.61) | 0.49 | 0.45-1.39 | 2.47 (0.53-11.55) | 0.25 |
| Qu4 | 824-3259 | 3.48 (1.14-10.64) | 0.03 | 123-480 | 8.42 (1.97-35.87) | 0.004 | 8539-21858 | 2.29 (0.61-8.52) | 0.22 | 1.39-3.33 | 6.22 (1.45-26.68) | 0.01 |
| Qu5 | 3295-50415 | 4.64 (1.38-15.65) | 0.01 | 480-5954 | 7.98 (1.89-33.66) | 0.005 | 21858-94156 | 3.79 (1.05-13.69) | 0.04 | 3.33-23.57 | 9.67 (2.23-41.97) | 0.002 |