| **Supplemental Table**. Results of meta-analytical combination of quantile regression model coefficients and standard errors for each risk factor across the 11 studies for each of the three sets of accelerometer cutpoints. |
| --- |
|  |  |  | **Pate 3,365 counts/min** |  | **Evenson 4,012 counts/min** |  | **ICAD 6,000 counts/min** |
| **Cardiometabolic****Biomarker** | **VPA Tertile** | **Quantile of****Risk Factor** | **M** | **SE** | **(95CI)** | ***p*** |  | **M** | **SE** | **(95CI)** | ***p*** |  | **M** | **SE** | **(95CI)** | ***p*** |
| Diastolic Blood Pressure (mm Hg) | 1 | 10 | 0.74 | ±1.30 | (-1.81, | 3.28) | 0.571 |  | -1.02 | ±0.73 | (-2.45, | 0.41) | 0.164 |  | 0.36 | ±0.38 | (-0.40, | 1.11) | 0.354 |
|  |  | 25 | 0.43 | ±0.94 | (-1.41, | 2.26) | 0.650 |  | -0.65 | ±0.61 | (-1.84, | 0.54) | 0.286 |  | -0.20 | ±0.27 | (-0.73, | 0.34) | 0.470 |
|  |  | 50 | 0.62 | ±0.85 | (-1.05, | 2.29) | 0.467 |  | -0.97 | ±0.56 | (-2.06, | 0.12) | 0.081 |  | **-0.55** | **±0.26** | **(-1.06,** | **-0.03)** | **0.039** |
|  |  | 75 | 0.84 | ±0.95 | (-1.02, | 2.71) | 0.377 |  | -0.80 | ±0.71 | (-2.19, | 0.58) | 0.256 |  | -0.83 | ±0.26 | (-1.33, | -0.33) | 0.001 |
|  |  | 90 | -0.45 | ±1.02 | (-2.45, | 1.55) | 0.657 |  | 0.13 | ±0.67 | (-1.19, | 1.45) | 0.847 |  | -0.54 | ±0.41 | (-1.34, | 0.26) | 0.189 |
|  | 2 | 10 | 0.79 | ±1.36 | (-1.86, | 3.45) | 0.559 |  | -0.72 | ±0.76 | (-2.21, | 0.78) | 0.347 |  | -0.15 | ±0.33 | (-0.80, | 0.50) | 0.657 |
|  |  | 25 | 0.54 | ±1.12 | (-1.66, | 2.74) | 0.631 |  | -0.65 | ±0.64 | (-1.91, | 0.60) | 0.308 |  | -0.38 | ±0.29 | (-0.95, | 0.20) | 0.200 |
|  |  | 50 | -0.31 | ±0.87 | (-2.01, | 1.39) | 0.722 |  | **-1.20** | **±0.57** | **(-2.32,** | **-0.09)** | **0.034** |  | **-0.92** | **±0.25** | **(-1.41,** | **-0.43)** | **<0.001** |
|  |  | 75 | 0.17 | ±1.01 | (-1.80, | 2.14) | 0.866 |  | -1.01 | ±0.73 | (-2.44, | 0.42) | 0.165 |  | **-1.16** | **±0.35** | **(-1.84,** | **-0.47)** | **<0.001** |
|  |  | 90 | -1.62 | ±1.24 | (-4.05, | 0.81) | 0.192 |  | -0.63 | ±0.84 | (-2.27, | 1.01) | 0.451 |  | -0.47 | ±0.39 | (-1.24, | 0.29) | 0.228 |
|  | 3 | 10 | 0.81 | ±1.46 | (-2.06, | 3.68) | 0.582 |  | -0.87 | ±0.89 | (-2.60, | 0.87) | 0.327 |  | 1.23 | ±1.00 | (-0.72, | 3.19) | 0.216 |
|  |  | 25 | 0.31 | ±1.01 | (-1.67, | 2.29) | 0.758 |  | -0.45 | ±0.72 | (-1.87, | 0.97) | 0.536 |  | 0.76 | ±0.67 | (-0.55, | 2.07) | 0.257 |
|  |  | 50 | -0.43 | ±0.92 | (-2.24, | 1.37) | 0.638 |  | **-1.37** | **±0.61** | **(-2.57,** | **-0.17)** | **0.025** |  | -0.43 | ±0.48 | (-1.36, | 0.51) | 0.371 |
|  |  | 75 | 0.68 | ±1.08 | (-1.44, | 2.80) | 0.531 |  | -0.66 | ±0.85 | (-2.33, | 1.00) | 0.436 |  | -0.37 | ±0.53 | (-1.40, | 0.66) | 0.481 |
|  |  | 90 | -1.48 | ±1.31 | (-4.06, | 1.09) | 0.258 |  | -0.81 | ±1.00 | (-2.78, | 1.15) | 0.419 |  | -0.63 | ±0.50 | (-1.61, | 0.35) | 0.208 |
| Systolic Blood Pressure (mm Hg) | 1 | 10 | 0.11 | ±1.14 | (-2.12, | 2.35) | 0.920 |  | -0.28 | ±0.80 | (-1.85, | 1.30) | 0.731 |  | -0.07 | ±0.43 | (-0.91, | 0.77) | 0.876 |
|  |  | 25 | 1.27 | ±0.97 | (-0.63, | 3.18) | 0.189 |  | 0.58 | ±0.74 | (-0.87, | 2.02) | 0.433 |  | 0.39 | ±0.51 | (-0.61, | 1.40) | 0.444 |
|  |  | 50 | 1.28 | ±0.98 | (-0.63, | 3.19) | 0.190 |  | 0.03 | ±0.65 | (-1.25, | 1.31) | 0.965 |  | 0.40 | ±0.45 | (-0.48, | 1.28) | 0.369 |
|  |  | 75 | 0.62 | ±1.21 | (-1.75, | 2.98) | 0.609 |  | -0.05 | ±0.85 | (-1.71, | 1.62) | 0.956 |  | -0.12 | ±0.55 | (-1.18, | 0.95) | 0.833 |
|  |  | 90 | 1.80 | ±1.28 | (-0.71, | 4.31) | 0.161 |  | 0.08 | ±0.99 | (-1.86, | 2.03) | 0.932 |  | -0.04 | ±0.60 | (-1.21, | 1.12) | 0.940 |
|  | 2 | 10 | -0.01 | ±1.23 | (-2.43, | 2.40) | 0.991 |  | 0.35 | ±0.91 | (-1.44, | 2.13) | 0.703 |  | 0.35 | ±0.48 | (-0.58, | 1.28) | 0.463 |
|  |  | 25 | 1.46 | ±1.06 | (-0.63, | 3.54) | 0.171 |  | 0.88 | ±0.79 | (-0.68, | 2.44) | 0.269 |  | 0.18 | ±0.60 | (-0.98, | 1.35) | 0.757 |
|  |  | 50 | 1.32 | ±1.04 | (-0.72, | 3.35) | 0.204 |  | 0.10 | ±0.74 | (-1.34, | 1.54) | 0.892 |  | 0.15 | ±0.35 | (-0.53, | 0.84) | 0.658 |
|  |  | 75 | 0.03 | ±1.26 | (-2.44, | 2.51) | 0.980 |  | -0.08 | ±1.05 | (-2.14, | 1.97) | 0.936 |  | -0.47 | ±0.44 | (-1.33, | 0.39) | 0.282 |
|  |  | 90 | 2.06 | ±1.39 | (-0.66, | 4.78) | 0.138 |  | 1.01 | ±1.35 | (-1.64, | 3.65) | 0.456 |  | -0.52 | ±0.64 | (-1.78, | 0.74) | 0.420 |
|  | 3 | 10 | -0.52 | ±1.33 | (-3.12, | 2.09) | 0.697 |  | 0.31 | ±1.05 | (-1.75, | 2.38) | 0.767 |  | -0.18 | ±0.58 | (-1.32, | 0.96) | 0.752 |
|  |  | 25 | 1.97 | ±1.17 | (-0.33, | 4.27) | 0.094 |  | 1.05 | ±0.92 | (-0.75, | 2.85) | 0.252 |  | 0.13 | ±0.71 | (-1.26, | 1.53) | 0.851 |
|  |  | 50 | 1.15 | ±1.12 | (-1.05, | 3.35) | 0.306 |  | -0.24 | ±0.82 | (-1.84, | 1.37) | 0.773 |  | 0.90 | ±0.85 | (-0.76, | 2.56) | 0.286 |
|  |  | 75 | 0.24 | ±1.31 | (-2.33, | 2.80) | 0.857 |  | -0.29 | ±0.94 | (-2.15, | 1.56) | 0.756 |  | 0.19 | ±0.92 | (-1.61, | 1.99) | 0.833 |
|  |  | 90 | 0.41 | ±1.48 | (-2.49, | 3.30) | 0.784 |  | -0.47 | ±1.38 | (-3.18, | 2.24) | 0.734 |  | -0.88 | ±1.01 | (-2.86, | 1.11) | 0.386 |
| HDL Cholesterol (mmol/l) | 1 | 10 | 0.01 | ±0.06 | (-0.11, | 0.13) | 0.899 |  | -0.05 | ±0.04 | (-0.13, | 0.03) | 0.200 |  | -0.01 | ±0.02 | (-0.04, | 0.03) | 0.587 |
|  |  | 25 | 0.03 | ±0.06 | (-0.08, | 0.14) | 0.563 |  | -0.04 | ±0.03 | (-0.11, | 0.02) | 0.188 |  | 0.02 | ±0.02 | (-0.01, | 0.06) | 0.227 |
|  |  | 50 | 0.02 | ±0.06 | (-0.11, | 0.14) | 0.786 |  | -0.03 | ±0.04 | (-0.11, | 0.06) | 0.563 |  | 0.00 | ±0.02 | (-0.03, | 0.03) | 0.987 |
|  |  | 75 | -0.01 | ±0.09 | (-0.18, | 0.16) | 0.934 |  | -0.03 | ±0.03 | (-0.09, | 0.04) | 0.407 |  | 0.01 | ±0.04 | (-0.06, | 0.09) | 0.758 |
|  |  | 90 | 0.01 | ±0.08 | (-0.15, | 0.16) | 0.932 |  | -0.06 | ±0.05 | (-0.16, | 0.04) | 0.213 |  | -0.02 | ±0.03 | (-0.09, | 0.05) | 0.569 |
|  | 2 | 10 | 0.00 | ±0.07 | (-0.13, | 0.13) | 0.987 |  | -0.02 | ±0.05 | (-0.12, | 0.08) | 0.712 |  | 0.00 | ±0.02 | (-0.04, | 0.04) | 0.904 |
|  |  | 25 | 0.03 | ±0.04 | (-0.05, | 0.12) | 0.451 |  | -0.01 | ±0.04 | (-0.09, | 0.08) | 0.901 |  | 0.02 | ±0.02 | (-0.01, | 0.06) | 0.171 |
|  |  | 50 | 0.04 | ±0.05 | (-0.06, | 0.13) | 0.469 |  | -0.01 | ±0.03 | (-0.07, | 0.06) | 0.847 |  | -0.01 | ±0.02 | (-0.04, | 0.03) | 0.688 |
|  |  | 75 | 0.03 | ±0.09 | (-0.14, | 0.20) | 0.755 |  | 0.00 | ±0.04 | (-0.07, | 0.07) | 0.968 |  | -0.01 | ±0.03 | (-0.07, | 0.05) | 0.722 |
|  |  | 90 | -0.03 | ±0.08 | (-0.19, | 0.14) | 0.750 |  | -0.09 | ±0.06 | (-0.20, | 0.02) | 0.117 |  | -0.01 | ±0.05 | (-0.11, | 0.09) | 0.811 |
|  | 3 | 10 | 0.02 | ±0.06 | (-0.10, | 0.15) | 0.725 |  | -0.02 | ±0.04 | (-0.10, | 0.07) | 0.681 |  | 0.03 | ±0.02 | (-0.01, | 0.07) | 0.189 |
|  |  | 25 | 0.06 | ±0.04 | (-0.03, | 0.14) | 0.182 |  | 0.01 | ±0.04 | (-0.06, | 0.09) | 0.709 |  | **0.06** | **±0.02** | **(0.02,** | **0.10)** | **0.008** |
|  |  | 50 | 0.06 | ±0.04 | (-0.03, | 0.14) | 0.198 |  | 0.03 | ±0.03 | (-0.03, | 0.10) | 0.273 |  | 0.02 | ±0.03 | (-0.03, | 0.08) | 0.416 |
|  |  | 75 | 0.03 | ±0.09 | (-0.14, | 0.21) | 0.694 |  | 0.01 | ±0.04 | (-0.07, | 0.08) | 0.849 |  | -0.01 | ±0.03 | (-0.07, | 0.05) | 0.795 |
|  |  | 90 | -0.02 | ±0.09 | (-0.20, | 0.16) | 0.822 |  | -0.09 | ±0.06 | (-0.21, | 0.03) | 0.155 |  | -0.05 | ±0.05 | (-0.15, | 0.05) | 0.334 |
| LDL Cholesterol (mmol/l) | 1 | 10 | -0.15 | ±0.09 | (-0.31, | 0.02) | 0.090 |  | -0.08 | ±0.07 | (-0.23, | 0.06) | 0.270 |  | -0.02 | ±0.06 | (-0.14, | 0.09) | 0.725 |
|  |  | 25 | -0.12 | ±0.08 | (-0.28, | 0.03) | 0.112 |  | -0.10 | ±0.09 | (-0.28, | 0.09) | 0.295 |  | -0.08 | ±0.05 | (-0.17, | 0.01) | 0.096 |
|  |  | 50 | 0.05 | ±0.10 | (-0.15, | 0.24) | 0.619 |  | -0.09 | ±0.07 | (-0.23, | 0.04) | 0.182 |  | -0.09 | ±0.05 | (-0.17, | 0.00) | 0.055 |
|  |  | 75 | 0.14 | ±0.14 | (-0.14, | 0.41) | 0.334 |  | 0.02 | ±0.07 | (-0.11, | 0.15) | 0.787 |  | 0.00 | ±0.05 | (-0.11, | 0.11) | 0.978 |
|  |  | 90 | 0.19 | ±0.28 | (-0.35, | 0.73) | 0.497 |  | 0.10 | ±0.14 | (-0.18, | 0.38) | 0.478 |  | 0.13 | ±0.15 | (-0.15, | 0.42) | 0.368 |
|  | 2 | 10 | -0.17 | ±0.11 | (-0.38, | 0.05) | 0.132 |  | -0.05 | ±0.09 | (-0.22, | 0.13) | 0.606 |  | -0.06 | ±0.07 | (-0.21, | 0.08) | 0.402 |
|  |  | 25 | -0.16 | ±0.09 | (-0.33, | 0.01) | 0.067 |  | -0.12 | ±0.09 | (-0.30, | 0.05) | 0.178 |  | -0.06 | ±0.05 | (-0.15, | 0.04) | 0.259 |
|  |  | 50 | 0.02 | ±0.09 | (-0.16, | 0.20) | 0.859 |  | -0.11 | ±0.07 | (-0.25, | 0.03) | 0.127 |  | -0.06 | ±0.05 | (-0.16, | 0.04) | 0.214 |
|  |  | 75 | 0.07 | ±0.12 | (-0.17, | 0.32) | 0.555 |  | 0.02 | ±0.08 | (-0.14, | 0.18) | 0.833 |  | -0.01 | ±0.06 | (-0.13, | 0.11) | 0.918 |
|  |  | 90 | 0.14 | ±0.31 | (-0.47, | 0.75) | 0.659 |  | 0.03 | ±0.14 | (-0.24, | 0.30) | 0.837 |  | 0.06 | ±0.09 | (-0.11, | 0.23) | 0.499 |
|  | 3 | 10 | -0.20 | ±0.11 | (-0.42, | 0.02) | 0.082 |  | -0.08 | ±0.10 | (-0.27, | 0.11) | 0.420 |  | -0.04 | ±0.06 | (-0.14, | 0.07) | 0.514 |
|  |  | 25 | -0.13 | ±0.10 | (-0.32, | 0.07) | 0.204 |  | -0.07 | ±0.10 | (-0.26, | 0.13) | 0.492 |  | -0.06 | ±0.05 | (-0.15, | 0.04) | 0.244 |
|  |  | 50 | 0.03 | ±0.09 | (-0.15, | 0.21) | 0.761 |  | -0.12 | ±0.08 | (-0.28, | 0.04) | 0.132 |  | -0.06 | ±0.05 | (-0.17, | 0.04) | 0.232 |
|  |  | 75 | 0.05 | ±0.14 | (-0.23, | 0.33) | 0.729 |  | -0.04 | ±0.14 | (-0.31, | 0.23) | 0.757 |  | 0.02 | ±0.06 | (-0.11, | 0.14) | 0.815 |
|  |  | 90 | -0.01 | ±0.33 | (-0.65, | 0.63) | 0.979 |  | -0.08 | ±0.21 | (-0.48, | 0.33) | 0.713 |  | 0.07 | ±0.10 | (-0.12, | 0.26) | 0.487 |
| Glucose (mmol/l) | 1 | 10 | 0.06 | ±0.07 | (-0.07, | 0.20) | 0.346 |  | 0.05 | ±0.05 | (-0.05, | 0.14) | 0.355 |  | 0.01 | ±0.04 | (-0.06, | 0.09) | 0.734 |
|  |  | 25 | 0.04 | ±0.06 | (-0.07, | 0.16) | 0.461 |  | 0.06 | ±0.04 | (-0.03, | 0.14) | 0.175 |  | 0.02 | ±0.03 | (-0.04, | 0.08) | 0.562 |
|  |  | 50 | 0.10 | ±0.06 | (-0.02, | 0.22) | 0.101 |  | 0.02 | ±0.04 | (-0.06, | 0.11) | 0.593 |  | 0.02 | ±0.03 | (-0.05, | 0.09) | 0.585 |
|  |  | 75 | 0.04 | ±0.07 | (-0.10, | 0.17) | 0.589 |  | -0.01 | ±0.05 | (-0.10, | 0.08) | 0.845 |  | 0.04 | ±0.03 | (-0.02, | 0.09) | 0.168 |
|  |  | 90 | 0.10 | ±0.08 | (-0.06, | 0.27) | 0.210 |  | -0.01 | ±0.08 | (-0.15, | 0.14) | 0.934 |  | -0.01 | ±0.05 | (-0.12, | 0.09) | 0.802 |
|  | 2 | 10 | 0.06 | ±0.07 | (-0.08, | 0.20) | 0.413 |  | 0.01 | ±0.06 | (-0.11, | 0.13) | 0.852 |  | 0.02 | ±0.04 | (-0.07, | 0.10) | 0.706 |
|  |  | 25 | -0.02 | ±0.07 | (-0.15, | 0.11) | 0.757 |  | 0.03 | ±0.05 | (-0.07, | 0.12) | 0.577 |  | 0.00 | ±0.03 | (-0.07, | 0.06) | 0.943 |
|  |  | 50 | 0.03 | ±0.07 | (-0.11, | 0.16) | 0.711 |  | -0.01 | ±0.04 | (-0.09, | 0.08) | 0.871 |  | -0.02 | ±0.03 | (-0.08, | 0.04) | 0.453 |
|  |  | 75 | 0.00 | ±0.07 | (-0.15, | 0.14) | 0.966 |  | -0.04 | ±0.05 | (-0.13, | 0.05) | 0.398 |  | 0.00 | ±0.04 | (-0.07, | 0.07) | 0.941 |
|  |  | 90 | 0.05 | ±0.09 | (-0.12, | 0.22) | 0.581 |  | -0.03 | ±0.08 | (-0.19, | 0.13) | 0.707 |  | 0.00 | ±0.05 | (-0.11, | 0.10) | 0.932 |
|  | 3 | 10 | 0.03 | ±0.08 | (-0.13, | 0.18) | 0.751 |  | 0.01 | ±0.07 | (-0.12, | 0.14) | 0.896 |  | 0.00 | ±0.05 | (-0.09, | 0.09) | 0.986 |
|  |  | 25 | -0.02 | ±0.07 | (-0.16, | 0.12) | 0.735 |  | 0.02 | ±0.05 | (-0.09, | 0.13) | 0.701 |  | 0.01 | ±0.03 | (-0.05, | 0.08) | 0.697 |
|  |  | 50 | 0.05 | ±0.07 | (-0.08, | 0.19) | 0.462 |  | -0.01 | ±0.05 | (-0.11, | 0.09) | 0.782 |  | -0.02 | ±0.03 | (-0.09, | 0.04) | 0.445 |
|  |  | 75 | 0.02 | ±0.08 | (-0.14, | 0.19) | 0.791 |  | -0.01 | ±0.06 | (-0.14, | 0.12) | 0.887 |  | 0.03 | ±0.04 | (-0.05, | 0.11) | 0.413 |
|  |  | 90 | 0.12 | ±0.10 | (-0.07, | 0.31) | 0.213 |  | 0.06 | ±0.10 | (-0.13, | 0.24) | 0.557 |  | 0.10 | ±0.06 | (-0.02, | 0.22) | 0.107 |
| Insulin (pmol/l) | 1 | 10 | 4.56 | ±2.82 | (-0.96, | 10.08) | 0.106 |  | -0.57 | ±2.43 | (-5.34, | 4.20) | 0.815 |  | 0.94 | ±1.26 | (-1.52, | 3.40) | 0.453 |
|  |  | 25 | **6.88** | **±3.19** | **(0.63,** | **13.13)** | **0.031** |  | 2.39 | ±2.49 | (-2.50, | 7.27) | 0.338 |  | -0.18 | ±2.13 | (-4.36, | 4.00) | 0.932 |
|  |  | 50 | **9.17** | **±4.14** | **(1.06,** | **17.28)** | **0.027** |  | 3.54 | ±2.93 | (-2.21, | 9.28) | 0.228 |  | -0.33 | ±1.87 | (-4.00, | 3.34) | 0.860 |
|  |  | 75 | 14.32 | ±10.11 | (-5.49, | 34.13) | 0.157 |  | 3.41 | ±5.67 | (-7.70, | 14.52) | 0.548 |  | -3.38 | ±2.76 | (-8.79, | 2.02) | 0.220 |
|  |  | 90 | 30.37 | ±20.73 | (-10.27, | 71.01) | 0.143 |  | -4.51 | ±14.65 | (-33.22, | 24.20) | 0.758 |  | -7.23 | ±4.94 | (-16.91, | 2.45) | 0.143 |
|  | 2 | 10 | 2.63 | ±3.13 | (-3.50, | 8.76) | 0.401 |  | -1.03 | ±2.63 | (-6.19, | 4.13) | 0.696 |  | 1.10 | ±1.60 | (-2.03, | 4.23) | 0.492 |
|  |  | 25 | 2.64 | ±3.37 | (-3.96, | 9.25) | 0.433 |  | 0.56 | ±2.47 | (-4.29, | 5.40) | 0.822 |  | 1.11 | ±1.62 | (-2.06, | 4.28) | 0.492 |
|  |  | 50 | 4.25 | ±3.44 | (-2.49, | 10.99) | 0.217 |  | 2.11 | ±3.08 | (-3.93, | 8.14) | 0.494 |  | -0.40 | ±1.99 | (-4.30, | 3.51) | 0.842 |
|  |  | 75 | 5.89 | ±5.78 | (-5.44, | 17.22) | 0.308 |  | -3.63 | ±7.72 | (-18.76, | 11.50) | 0.638 |  | -4.12 | ±3.65 | (-11.28, | 3.04) | 0.259 |
|  |  | 90 | 2.22 | ±11.98 | (-21.25, | 25.70) | 0.853 |  | -13.89 | ±13.28 | (-39.93, | 12.14) | 0.296 |  | **-13.27** | **±5.83** | **(-24.68,** | **-1.85)** | **0.023** |
|  | 3 | 10 | -1.07 | ±3.59 | (-8.11, | 5.96) | 0.765 |  | -2.74 | ±3.56 | (-9.72, | 4.24) | 0.442 |  | -2.96 | ±1.63 | (-6.15, | 0.22) | 0.068 |
|  |  | 25 | 2.10 | ±3.76 | (-5.28, | 9.47) | 0.577 |  | 0.71 | ±2.77 | (-4.72, | 6.14) | 0.798 |  | -2.40 | ±2.05 | (-6.42, | 1.62) | 0.241 |
|  |  | 50 | 1.90 | ±3.74 | (-5.43, | 9.24) | 0.611 |  | -0.44 | ±3.60 | (-7.49, | 6.61) | 0.903 |  | -3.44 | ±2.45 | (-8.24, | 1.37) | 0.161 |
|  |  | 75 | -0.67 | ±9.42 | (-19.13, | 17.78) | 0.943 |  | -7.88 | ±8.07 | (-23.69, | 7.93) | 0.329 |  | **-12.60** | **±4.43** | **(-21.28,** | **-3.92)** | **0.004** |
|  |  | 90 | -9.98 | ±10.69 | (-30.93, | 10.98) | 0.351 |  | -26.89 | ±15.83 | (-57.91, | 4.14) | 0.089 |  | **-27.03** | **±9.18** | **(-45.03,** | **-9.03)** | **0.003** |
| Triglycerides (mmol/l) | 1 | 10 | 0.00 | ±0.04 | (-0.08, | 0.08) | 0.990 |  | 0.03 | ±0.03 | (-0.02, | 0.08) | 0.255 |  | 0.00 | ±0.02 | (-0.04, | 0.03) | 0.781 |
|  |  | 25 | 0.02 | ±0.04 | (-0.05, | 0.09) | 0.630 |  | 0.01 | ±0.03 | (-0.05, | 0.07) | 0.722 |  | -0.01 | ±0.02 | (-0.05, | 0.03) | 0.593 |
|  |  | 50 | **0.09** | **±0.04** | **(0.01,** | **0.17)** | **0.029** |  | 0.02 | ±0.03 | (-0.04, | 0.08) | 0.446 |  | -0.01 | ±0.02 | (-0.05, | 0.04) | 0.750 |
|  |  | 75 | 0.04 | ±0.10 | (-0.15, | 0.24) | 0.655 |  | **0.10** | **±0.05** | **(0.00,** | **0.19)** | **0.050** |  | 0.04 | ±0.04 | (-0.03, | 0.11) | 0.245 |
|  |  | 90 | -0.11 | ±0.13 | (-0.36, | 0.14) | 0.398 |  | 0.01 | ±0.10 | (-0.18, | 0.20) | 0.905 |  | 0.04 | ±0.05 | (-0.07, | 0.14) | 0.492 |
|  | 2 | 10 | 0.00 | ±0.05 | (-0.09, | 0.09) | 0.954 |  | 0.00 | ±0.03 | (-0.05, | 0.06) | 0.906 |  | -0.01 | ±0.02 | (-0.05, | 0.02) | 0.411 |
|  |  | 25 | 0.01 | ±0.04 | (-0.06, | 0.09) | 0.743 |  | -0.01 | ±0.03 | (-0.08, | 0.05) | 0.647 |  | 0.00 | ±0.02 | (-0.04, | 0.03) | 0.884 |
|  |  | 50 | **0.11** | **±0.05** | **(0.01,** | **0.21)** | **0.027** |  | 0.00 | ±0.04 | (-0.08, | 0.07) | 0.903 |  | -0.04 | ±0.02 | (-0.09, | 0.01) | 0.115 |
|  |  | 75 | 0.06 | ±0.11 | (-0.16, | 0.28) | 0.595 |  | 0.05 | ±0.05 | (-0.05, | 0.14) | 0.371 |  | -0.02 | ±0.04 | (-0.10, | 0.06) | 0.645 |
|  |  | 90 | -0.08 | ±0.13 | (-0.33, | 0.17) | 0.525 |  | 0.04 | ±0.10 | (-0.16, | 0.25) | 0.693 |  | -0.04 | ±0.08 | (-0.20, | 0.12) | 0.630 |
|  | 3 | 10 | -0.02 | ±0.05 | (-0.12, | 0.09) | 0.745 |  | -0.01 | ±0.03 | (-0.08, | 0.05) | 0.691 |  | 0.00 | ±0.02 | (-0.04, | 0.03) | 0.792 |
|  |  | 25 | -0.01 | ±0.04 | (-0.09, | 0.07) | 0.788 |  | -0.01 | ±0.04 | (-0.08, | 0.06) | 0.783 |  | 0.00 | ±0.02 | (-0.04, | 0.04) | 0.950 |
|  |  | 50 | 0.06 | ±0.05 | (-0.04, | 0.16) | 0.216 |  | -0.03 | ±0.04 | (-0.11, | 0.05) | 0.424 |  | -0.03 | ±0.03 | (-0.08, | 0.02) | 0.277 |
|  |  | 75 | 0.02 | ±0.13 | (-0.23, | 0.27) | 0.885 |  | 0.03 | ±0.06 | (-0.08, | 0.15) | 0.564 |  | -0.03 | ±0.04 | (-0.12, | 0.06) | 0.477 |
|  |  | 90 | -0.16 | ±0.16 | (-0.48, | 0.15) | 0.315 |  | 0.01 | ±0.10 | (-0.20, | 0.21) | 0.959 |  | -0.03 | ±0.07 | (-0.17, | 0.10) | 0.626 |
| Waist Circumference (cm) | 1 | 10 | 0.58 | ±0.85 | (-1.09, | 2.24) | 0.497 |  | -0.04 | ±0.58 | (-1.18, | 1.09) | 0.939 |  | 0.21 | ±0.21 | (-0.20, | 0.62) | 0.323 |
|  |  | 25 | 0.67 | ±0.66 | (-0.63, | 1.96) | 0.314 |  | -0.75 | ±0.57 | (-1.88, | 0.38) | 0.193 |  | -0.18 | ±0.19 | (-0.55, | 0.20) | 0.357 |
|  |  | 50 | 0.26 | ±1.11 | (-1.93, | 2.44) | 0.818 |  | -0.87 | ±0.60 | (-2.05, | 0.31) | 0.147 |  | **-0.67** | **±0.34** | **(-1.33,** | **-0.01)** | **0.048** |
|  |  | 75 | 0.69 | ±1.49 | (-2.23, | 3.61) | 0.642 |  | -0.81 | ±0.76 | (-2.31, | 0.68) | 0.285 |  | **-1.19** | **±0.51** | **(-2.19,** | **-0.19)** | **0.020** |
|  |  | 90 | 0.53 | ±2.36 | (-4.10, | 5.17) | 0.822 |  | -1.62 | ±1.29 | (-4.14, | 0.90) | 0.209 |  | **-1.86** | **±0.61** | **(-3.05,** | **-0.67)** | **0.002** |
|  | 2 | 10 | 0.50 | ±0.81 | (-1.09, | 2.10) | 0.537 |  | -0.18 | ±0.63 | (-1.40, | 1.05) | 0.779 |  | 0.01 | ±0.27 | (-0.52, | 0.53) | 0.978 |
|  |  | 25 | 0.35 | ±0.66 | (-0.95, | 1.66) | 0.595 |  | **-1.17** | **±0.52** | **(-2.18,** | **-0.15)** | **0.024** |  | -0.16 | ±0.28 | (-0.71, | 0.38) | 0.554 |
|  |  | 50 | -0.54 | ±0.85 | (-2.21, | 1.13) | 0.525 |  | **-1.73** | **±0.57** | **(-2.86,** | **-0.61)** | **0.003** |  | -0.76 | ±0.52 | (-1.77, | 0.26) | 0.143 |
|  |  | 75 | -1.32 | ±1.65 | (-4.55, | 1.92) | 0.425 |  | **-2.58** | **±0.88** | **(-4.30,** | **-0.86)** | **0.003** |  | **-1.80** | **±0.66** | **(-3.10,** | **-0.51)** | **0.006** |
|  |  | 90 | -2.73 | ±2.48 | (-7.60, | 2.14) | 0.272 |  | **-3.94** | **±1.80** | **(-7.47,** | **-0.41)** | **0.029** |  | **-2.62** | **±1.00** | **(-4.58,** | **-0.66)** | **0.009** |
|  | 3 | 10 | 0.53 | ±0.81 | (-1.06, | 2.11) | 0.514 |  | -0.45 | ±0.75 | (-1.91, | 1.01) | 0.543 |  | -0.38 | ±0.33 | (-1.03, | 0.26) | 0.247 |
|  |  | 25 | 0.12 | ±0.72 | (-1.28, | 1.53) | 0.864 |  | **-1.68** | **±0.73** | **(-3.10,** | **-0.26)** | **0.020** |  | **-0.94** | **±0.32** | **(-1.56,** | **-0.31)** | **0.003** |
|  |  | 50 | -1.53 | ±1.05 | (-3.59, | 0.52) | 0.144 |  | **-2.63** | **±0.76** | **(-4.12,** | **-1.14)** | **<0.001** |  | **-1.61** | **±0.56** | **(-2.70,** | **-0.51)** | **0.004** |
|  |  | 75 | -3.23 | ±1.73 | (-6.62, | 0.16) | 0.062 |  | **-4.62** | **±0.99** | **(-6.56,** | **-2.68)** | **<0.001** |  | **-3.05** | **±0.72** | **(-4.45,** | **-1.65)** | **<0.001** |
|  |  | 90 | **-6.00** | **±2.68** | **(-11.25,** | **-0.74)** | **0.025** |  | **-7.30** | **±1.89** | **(-11.01,** | **-3.58)** | **<0.001** |  | **-4.28** | **±1.02** | **(-6.29,** | **-2.27)** | **<0.001** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |