**Table S1**

| Characteristic | Adjusted | Adjusted | Adjusted | Adjusted |
| --- | --- | --- | --- | --- |
|  | β\* | [95% CI]† | *p‡* | *β* | [95% CI] | *p* | *β* | [95% CI] | *p* | *β* | [95% CI] | *p* |
| Predictors | Asymmetric dimethylarginine | Symmetric dimethylarginine | L-Arginine | L-arginine/ADMA ratio |
| Q1 | Ref | Ref | Ref | Ref |
| Q2 | -0.631 | (-4.175, 2.913) | 0.726 | 1.457 | (-2.085, 4.999) | 0.419 | -1.268 | (-4.798, 2.262) | 0.481 | -0.970 | (-4.794, 2.853) | 0.618 |
| Q3 | -2.966 | (-6.674, 0.741) | 0.117 | -1.035 | (-5.163, 3.093) | 0.622 | -0.597 | (-4.551, 3.358) | 0.767 | 0.803 | (-2.756, 4.361) | 0.658 |
| Q4 | -2.213 | (-6.065, 1.640) | 0.260 | 1.010 | (-2.886, 4.906) | 0.611 | 3.729 | (0.081, 7.377) | 0.045 | 5.106 | (1.494, 8.717) | 0.006 |
| Gender |  |  |  |  |  |  |  |  |  |  |  |   |
| Female | Ref | Ref | Ref | Ref |
| Male  | -3.753 | (-6.730, -0.776) | 0.014 | -4.012 | (-6.860, -1.164) | 0.006 | -4.006 | (-6.955, -1.057) | 0.008 | -6.382 | (-9.120, -3.645) | <0.001 |
| Household income |  |  |  |  |  |  |  |  |  |  |  |   |
| <A$40,000 | Ref | Ref | Ref | Ref |
|  >=A$40,000 | 3.189 | (0.494, 5.883) | 0.020 | 3.638 | (0.819, 6.456) | 0.012 | 3.644 | (0.959, 6.330) | 0.008 | 3.501 | (0.786, 6.216) | 0.012 |
| **Asthma** |  |  |  |  |  |  |  |  |  |  |  |   |
| No | Ref | Ref | Ref | Ref |
| Yes | -10.081 | (-15.278, -4.884) | <0.001 | -10.875 | (-16.131, -5.619) | <0.001 | -10.551 | (-15.769, -5.333) | <0.001 | 10.285 | (-15.535, -5.035) | <0.001 |
| No. General practitioner visits |  |  |  |  |  |  |  |  |  |  |  |   |
| 0-2 times | Ref |  | Ref | Ref |
|  3-6 times | -1.386 | (-4.511, 1.739) | 0.384 |  |  |  | -0.837 | (-3.940, 2.266) | 0.596 | 0.012 | (-3.016, 3.040) | 0.994 |
| 7+ times | -6.083 | (-10.543, -1.623) | 0.008 |  |  |  | -5.629 | (-10.100, -1.158) | 0.014 | -4.818 | (-9.273, -0.363) | 0.034 |
| Smoking years | -0.305 | (-0.405, -0.205) | <0.001 | -0.315 | (-0.423, -0.207) | <0.001 | -0.313 | (-0.413, -0.214) | <0.001 |  |  |  |
| Body mass index | -0.505 | (-0.804, -0.205) | 0.001 | -0.641 | (-0.967, -0.315) | <0.001 | -0.538 | (-0.842, -0.233) | 0.001 | -0.504 | (-0.797, -0.211) | 0.001 |
| Urate | -22.326 | (-40.960, -3.692) | 0.019 |  |  |  | -20.455 | (-38.691, -2.220) | 0.028 |  |  |  |
| Homocysteine |  |  |  | -0.532 | (-0.999, -0.064) | 0.026 |  |  |  |  |  |  |
| Fibrinogen |  |  |  |  |  |  |  |  |  | -3.579 | (-6.025, -1.133) | 0.004 |
| Adjusted R-squared (%) | 26.390 |  |  | 23.960 |  |  | 27.240 |  |  | 28.390 |  |  |

Independent variables adjusted for based on p-value < 0.20 are: gender, marital status, education, household income, body mass index, asthma, heart attack, atrial fibrillation, high cholesterol, coronary artery bypass graft, hypertension, smoking years, alcoholic drink days per month, No. general practice visits, physical function score, urea, urate, white blood cell count, fasting glucose, fibrinogen, homocysteine, pulse pressure, C-reactive protein, cardiovascular medication use, anticholinergic medication use.

\* β -coefficient; †95% confidence interval; ‡p-value