Supplemental Table 3: Odds ratios of prevalent CKD by levels of urine arsenic, with regression adjustment of creatinine for urine dilution

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| --- | --- | --- | --- | --- |
| **Sum of inorganic and methylated, μg/L** | **Cases/****noncases** | **Model 1** | **Model 2** | **Model 3** |
| **≤6.1** | 126/833 | 1.00 (ref) | 1.00 (ref) | -- |
| **6.1 – 10.4** | 102/858 | 0.82 (0.62, 1.09) | 0.76 (0.56, 1.05) | -- |
| **10.4 – 18.4** | 103/864 | 0.84 (0.62, 1.12) | 0.8 (0.57, 1.12) | -- |
| **≥18.4** | 64/901 | 0.52 (0.37, 0.75) | 0.41 (0.27, 0.63) | -- |
| p-trend |  | 0.02 | <0.01 | -- |
| IQR (18.4 vs 6.1) | 395/3456 | 0.77 (0.66, 0.90) | 0.68 (0.56, 0.83) | -- |
| **Inorganic arsenic, μg/L** |  |  |  |  |
|  IQR (1.6 vs 0.4) | 395/3456 | 0.4 (0.34, 0.47) | 0.34 (0.28, 0.42) | -- |
| **MMA, μg/L** |  |  |  |  |
|  IQR (2.6 vs 0.8) | 395/3456 | 0.82 (0.70, 0.97) | 0.83 (0.68, 1.01) | 4.35 (3.11, 6.09) |
| **DMA, μg/L** |  |  |  |  |
|  IQR (14.0 vs 4.7) | 395/3456 | 0.84 (0.72, 0.97) | 0.73 (0.60, 0.88) | 1.88 (1.44, 2.45) |
| **Arsenobetaine, μg/L**  |  |  |  |  |
|  IQR (1.7 vs 0.5) | 395/3456 | 0.96 (0.86, 1.07) | 0.93 (0.82, 1.05) | 0.95 (0.84, 1.08) |
| Model 1 is adjusted for urine creatinine |
| Model 2 is adjusted for age and gender, location, education, smoking status, BMI, hypertension medication, SBP, diabetes status and fasting glucose |
| Model 3 is additionally adjusted for inorganic arsenic levels |  |