**Supplement table 2.** **Prevalence of osteopenia and osteoporosis stratified by UIC**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| UIC (g/L) |  | <100 g/L | |  | 100-199.99 g/L | |  | 200-299.99 g/L | |  | ≥300 g/L | |
|  |  | N | % |  | N | % |  | N | % |  | N | % |
| Osteopenia (-2.5 SD <*T*< -1.0 SD) | Total | 29/91 | 31.9 |  | 80/279 | 28.7 |  | 127/299 | 42.5\* |  | 234/538 | 43.5\* |
|  | Male | 9/22 | 40.9 |  | 22/82 | 26.8 |  | 40/102 | 39.2 |  | 70/166 | 42.2 |
|  | Female | 20/69 | 28.9 |  | 58/197 | 29.4 |  | 87/197 | 44.2\* |  | 164/372 | 44.1\* |
| Osteoporosis ( *T*≤ -2.5 SD) | Total | 2/91 | 2.2 |  | 11/279 | 3.9 |  | 10/299 | 3.3 |  | 15/538 | 2.8 |
|  | Male | 1/22 | 4.5 |  | 2/82 | 2.4 |  | 2/102 | 1.9 |  | 5/166 | 3.0 |
|  | Female | 1/69 | 1.4 |  | 9/197 | 4.6 |  | 8/197 | 4.1 |  | 10/372 | 2.7 |

IFA, Iodine fortification areas; IAA, iodine adequate areas; IEA, iodine excess areas; UIC, urinary iodine concentration;\* indicates compared with UIC 100-199.99g/L P <0.05/3=0.017