Supplemental Table 1 The grouping situation of MWIC

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| --- | --- | --- | --- | --- | --- |
| group | MWIC(µg/L) | MUIC(µg/L) | NISCR(%) | TvolM(mL) | GR(%) |
| [0-10) | 5.4 | 242 | 69.05 | 2.71 | 2.71 |
| [10-20) | 14.0 | 233 | 77.66 | 2.35 | 3.20 |
| [20-30) | 25.2 | 236 | 72.24 | 2.42 | 1.88 |
| [30-40) | 34.0 | 245 | 69.79 | 2.29 | 1.20 |
| [40-50) | 44.0 | 274 | 80.00 | 2.62 | 2.00 |
| [50-60) | 54.4 | 258 | 67.71 | 2.99 | 3.33 |
| [60-70) | 65.3 | 289 | 61.09 | 2.55 | 2.31 |
| [70-80) | 75.0 | 299 | 65.23 | 2.55 | 1.90 |
| [80-90) | 85.6 | 313 | 59.00 | 3.09 | 4.21 |
| [90-100) | 95.0 | 308 | 43.70 | 2.69 | 2.73 |
| [100-110) | 105.6 | 264 | 54.09 | 2.62 | 1.59 |
| [110-120) | 115.0 | 302 | 61.63 | 2.60 | 2.65 |
| [120-130) | 126.0 | 288 | 66.27 | 2.55 | 1.99 |
| [130-140) | 135.3 | 328 | 58.21 | 2.70 | 3.40 |
| [140-150) | 144.4 | 298 | 56.65 | 2.69 | 2.52 |
| [150-160) | 155.5 | 280 | 60.20 | 2.66 | 4.26 |
| [160-170) | 164.9 | 337 | 51.62 | 2.6 | 3.29 |
| [170-180) | 174.5 | 351 | 63.95 | 3.14 | 3.44 |
| [180-190) | 184.8 | 314 | 58.75 | 2.60 | 3.80 |
| [190-200) | 194.3 | 415 | 68.31 | 2.78 | 3.75 |
| [200-210) | 204.0 | 367 | 63.00 | 3.03 | 4.38 |
| [210-220) | 213.8 | 447 | 45.65 | 3.11 | 6.04 |
| [220-230) | 223.7 | 434 | 74.19 | 2.74 | 4.77 |
| [230-240) | 234.6 | 406 | 42.38 | 3.15 | 5.61 |
| [240-250) | 247.0 | 384 | 66.96 | 2.79 | 2.18 |
| [250-260) | 256.5 | 391 | 61.41 | 2.96 | 4.36 |
| [260-270) | 263.8 | 377 | 72.62 | 3.39 | 3.99 |
| [270-280) | 274.5 | 461 | 62.56 | 2.36 | 3.20 |
| [280-290) | 286.4 | 520 | 83.90 | 3.02 | 2.08 |
| [290-300) | 294.5 | 450 | 68.85 | 3.29 | 4.89 |
| [300-310) | 304.8 | 467 | 77.64 | 2.87 | 2.90 |
| [310-320) | 313.0 | 473 | 80.98 | 2.99 | 3.01 |
| [320-330) | 328.0 | 459 | 95.00 | 2.93 | 2.50 |
| [330-340) | 335.8 | 682 | 68.75 | 3.14 | 3.69 |
| [340-350) | 348.7 | 465 | 85.71 | 3.00 | 5.91 |
| [350-360) | 355.2 | 670 | 76.60 | 3.07 | 3.83 |
| [360-370) | 368.4 | 322 | 60.40 | 3.00 | 2.48 |
| [370-380) | 375.8 | 787 | 80.92 | 2.85 | 3.28 |
| [380-390) | 384.0 | 667 | 84.08 | 2.62 | 3.82 |
| [390-400) | 395.3 | 440 | 37.73 | 3.53 | 10.62 |
| [400-410) | 403.7 | 683 | 70.06 | 2.76 | 3.82 |
| [410-420) | 412.4 | 706 | 40.00 | 2.63 | 4.00 |
| [420-430) | 426.2 | 454 | 63.22 | 3.39 | 5.37 |
| [430-440) | 434.4 | 868 | 46.90 | 3.81 | 10.62 |
| [440-450) | 447.1 | 627 | 42.77 | 2.97 | 5.03 |
| [450-460) | 453.6 | 779 | 70.52 | 3.26 | 9.25 |
| [460-470) | 461.8 | 638 | 43.52 | 3.44 | 8.33 |
| [470-480) | 474.4 | 682 | 76.34 | 3.33 | 9.16 |
| [480-490) | 482.0 | 568 | 80.00 | 3.71 | 10.22 |
| [490-500) | 495.5 | 882 | 42.86 | 4.27 | 28.57 |
| [500-) | 636.4 | 829 | 75.06 | 3.18 | 7.73 |

MWIC, median of water iodine concentration; MUI, median of urinary iodine concentration; TvolM, median of thyroid volume; GR, goiter rate; NISCR, non-iodized salt coverage rate.

Grouping situation: When the MWIC is lower than 500 µg/L, every 10 µg/L is a group. Because there were few villages with MWIC greater than 500 µg/L, such areas were combined into a group. Thus, they were divided into 51 groups.