**Supplemental Table 1** The distribution (%) of ethnic groups in this study sample and the census data‡

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Han | |  | Hui | |  | Tibetan | |  | Mongolian | |  | Others | |
| Sample | Census |  | Sample | Census |  | Sample | Census |  | Sample | Census |  | Sample | Census |
| **Overall**§ | 72.54 | 75.88 |  | 10.98 | 4.80 |  | 9.80 | 3.96 |  | 4.04 | 3.47 |  | 2.63 | 14.81 |
| **Gender** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Men | 66.36 | 76.33 |  | 12.38 | 4.73 |  | 14.06 | 3.87 |  | 4.27 | 3.37 |  | 2.94 | 11.70 |
| Women | 75.51 | 75.41 |  | 10.31 | 4.87 |  | 7.76 | 4.06 |  | 3.93 | 3.57 |  | 2.49 | 12.09 |
| **Province** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Qinghai | 46.40 | 50.53 |  | 22.12 | 15.97 |  | 23.74 | 25.48 |  | 1.80 | 1.73 |  | 5.94 | 6.28 |
| Shaanxi | 99.15 | 99.44 |  | 0.42 | 0.35 |  | 0.32 | 0.02 |  | 0.00 | 0.03 |  | 0.11 | 0.16 |
| Ningxia | 74.46 | 64.05 |  | 24.29 | 35.04 |  | 0.00 | 0.02 |  | 0.23 | 0.13 |  | 1.02 | 0.77 |
| Gansu | 99.19 | 89.38 |  | 0.40 | 5.37 |  | 0.27 | 2.08 |  | 0.13 | 0.05 |  | 0.00 | 3.13 |
| Inner Mongolia | 59.12 | 78.74 |  | 1.62 | 0.89 |  | 1.62 | 0.02 |  | 35.10 | 17.66 |  | 2.54 | 2.69 |
| Tibet | 10.61 | 12.15 |  | 0.56 | 0.70 |  | 86.03 | 86.01 |  | 0.56 | 0.02 |  | 2.23 | 1.11 |
| Xinjiang | 66.36 | 42.24 |  | 7.27 | 4.27 |  | 1.82 | 0.07 |  | 1.82 | 0.65 |  | 22.73 | 52.77 |
| **Education\*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Senior high school and below | 34.25 | 55.46 |  | 24.80 | 28.32 |  | 37.01 | 12.20 |  | 0.79 | 0.79 |  | 3.15 | 3.24 |
| Junior college/ Undergraduate and above | 62.42 | 55.02 |  | 22.83 | 15.56 |  | 9.75 | 7.38 |  | 1.15 | 1.12 |  | 3.84 | 20.92 |

‡Census is China’s seventh national population census, with data covering all age groups.

§Overall: the overall distribution (%) of ethnic groups across the seven provinces

\*The data on education were from Qinghai and Ningxia.