**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.