## Supplementary Table 2. Age patterns by sex of IBD prevalence, incidence and deaths in China in 2019.

| Age (years) | Prevalence | Incidence | Deaths |
|-------------|-------------|------------|--------|
|              | Counts (95% UI) | Rate [per 100,000 (95% UI)] | Counts (95% UI) | Rate [per 100,000 (95% UI)] | Counts (95% UI) | Rate [per 100,000 (95% UI)] |
|              | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male | Female | Male |
| 1-4          | 9.13 (5.50, 13.6) | 12.3 (7.85, 17.8) | 0.030 (0.018, 0.044) | 0.034 (0.022, 0.050) | 9.63 (5.84, 14.3) | 13.0 (8.30, 18.8) | 0.031 (0.019, 0.047) | 0.036 (0.023, 0.053) | 41.6 (27.7, 57.5) | 55.1 (34.6, 80.0) | 0.14 (0.090, 0.19) | 0.15 (0.097, 0.22) |
| 5-9          | 162 (114, 221) | 232 (168, 313) | 0.49 (0.34, 0.66) | 0.59 (0.20, 0.76) | 77.8 (55.6, 105) | 113 (82.2, 152) | 0.23 (0.17, 0.31) | 0.29 (0.21, 0.39) | 4.09 (2.92, 5.45) | 12.1 (7.95, 16.4) | 0.012 (0.0088, 0.016) | 0.031 (0.020, 0.042) |
| 10-14        | 692 (513, 916) | 1058 (794, 1381) | 2.14 (1.59, 2.83) | 2.76 (2.07, 3.60) | 223 (165, 299) | 351 (263, 463) | 0.69 (0.51, 0.93) | 0.92 (0.69, 1.21) | 3.43 (2.46, 4.46) | 6.23 (4.30, 8.44) | 0.011 (0.0072, 0.014) | 0.016 (0.011, 0.022) |
| 15-19        | 2786 (2104, 3626) | 3333 (2556, 4281) | 7.95 (6.00, 10.3) | 8.31 (6.37, 10.7) | 525 (395, 682) | 828 (627, 1067) | 1.50 (1.13, 1.95) | 2.06 (1.56, 2.66) | 3.44 (2.53, 4.60) | 4.82 (3.30, 6.90) | 0.0098 (0.0072, 0.013) | 0.012 (0.0082, 0.017) |
| 20-24        | 6198 (4738, 7813) | 8280 (6508, 10369) | 15.9 (12.1, 20.0) | 19.4 (15.2, 24.2) | 1037 (804, 1322) | 1556 (1218, 1961) | 2.65 (2.06, 3.38) | 3.64 (2.85, 4.59) | 5.77 (4.01, 7.74) | 13.8 (9.10, 18.6) | 0.015 (0.010, 0.020) | 0.032 (0.021, 0.043) |
| 25-29        | 16801 (12581, 20411) | 19761 (15809, 24459) | 29.6 (23.1, 37.3) | 35.1 (28.1, 43.4) | 2045 (1568, 2568) | 2840 (2177, 3574) | 3.76 (2.88, 4.72) | 5.04 (3.86, 6.34) | 9.75 (6.40, 13.3) | 22.0 (14.6, 28.5) | 0.018 (0.012, 0.024) | 0.039 (0.026, 0.051) |
| 30-34        | 29710 (23315, 36291) | 34563 (27435, 41981) | 46.6 (36.5, 56.9) | 52.9 (42.0, 64.3) | 2910 (2192, 3669) | 3795 (2869, 4819) | 4.56 (3.44, 5.75) | 5.81 (4.39, 7.38) | 11.6 (7.53, 15.4) | 29.1 (19.0, 38.3) | 0.018 (0.012, 0.024) | 0.045 (0.029, 0.059) |
| 35-39        | 36641 (29897, 43650) | 36875 (29848, 44526) | 74.0 (60.4, 88.2) | 71.7 (58.1, 86.6) | 2455 (1873, 3101) | 3085 (2347, 3870) | 4.96 (3.78, 6.26) | 6.00 (4.57, 7.53) | 16.5 (11.1, 22.5) | 30.6 (20.8, 40.5) | 0.033 (0.022, 0.045) | 0.060 (0.040, 0.079) |
| 40-44        | 42539 (34988, 49931) | 45279 (36401, 54335) | 85.5 (70.3, 100) | 87.3 (70.2, 105) | 2426 (1880, 3075) | 3014 (2316, 3840) | 4.88 (3.78, 6.18) | 5.81 (4.46, 7.40) | 26.3 (16.8, 36.1) | 42.9 (29.0, 56.6) | 0.053 (0.034, 0.073) | 0.083 (0.056, 0.11) |
| 45-49        | 53495 | 62366 | 89.9 | 101 | 2743 | 3417 | 4.61 | 5.53 | 37.2 | 80.9 | 0.062 | 0.13 |
|     | (44612, 63399) | (50809, 75240) | (74.9, 106) | (82.2, 122) | (2086, 3567) | (2556, 4464) | (3.50, 5.99) | (4.13, 7.22) | (25.0, 49.7) | (53.3, 107.9) | (0.042, 0.083) | (0.086, 0.17) |
|-----|----------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------|---------------|
| 50-54| 60570          | 70078          | 97.3        | 112         | 2590        | 3172        | 4.16        | 5.05        | 64.9        | 110          | 0.10          | 0.17          |
|     | (50389, 72849) | (57601, 84492) | (80.9, 117) | (91.7, 134) | (1970, 3372)| (2388, 4160)| (3.16, 5.42)| (3.80, 6.62)| (41.1, 87.6)| (72.0, 149)  | (0.066, 0.14) | (0.11, 0.24)  |
| 55-59| 50093          | 57124          | 106         | 120         | 1754        | 2179        | 3.72        | 4.57        | 76.0        | 138          | 0.16          | 0.29          |
|     | (42476, 60433) | (47772, 69367) | (90.0, 128) | (100, 146)  | (1313, 2303)| (1602, 2875)| (2.78, 4.88)| (3.36, 6.04)| (49.6, 101) | (86.7, 185)  | (0.10, 0.21)  | (0.18, 0.39)  |
| 60-64| 43095          | 49562          | 107         | 125         | 1624        | 1925        | 3.31        | 4.16        | 109         | 178          | 0.28          | 0.45          |
|     | (35983, 52167) | (41084, 61192) | (92.0, 133) | (104, 155)  | (943, 1722) | (1186, 2209)| (2.41, 4.41)| (3.00, 5.60)| (73.3, 141) | (116, 230)   | (0.19, 0.36)  | (0.29, 0.58)  |
| 65-69| 38509          | 43188          | 107         | 126         | 1642        | 1925        | 3.12        | 3.76        | 161         | 249          | 0.45          | 0.72          |
|     | (32087, 46791) | (35363, 53853) | (89.5, 130.6)| (102, 156)  | (768, 1445) | (934, 1806) | (2.14, 4.03)| (2.70, 5.23)| (115, 212)  | (159, 327)   | (0.32, 0.59)  | (0.46, 0.95)  |
| 70-74| 23927          | 27743          | 97.5        | 119         | 649         | 800         | 2.64        | 3.43        | 230         | 328          | 0.94          | 1.41          |
|     | (19453, 29318) | (22276, 34434) | (79.3, 120) | (95.5, 148) | (457, 902)  | (561, 1156) | (1.87, 3.68)| (2.40, 4.96)| (170, 293)  | (228, 428)   | (0.69, 1.19)  | (0.98, 1.83)  |
| 75-79| 12523          | 14810          | 79.7        | 105         | 380         | 447         | 2.42        | 3.16        | 266         | 353          | 1.69          | 2.50          |
|     | (9460, 15641)  | (11306, 18562) | (60.2, 99.6) | (80.0, 131) | (263, 556)  | (300, 672)  | (1.68, 3.54)| (2.12, 4.75)| (199, 344)  | (242, 452)   | (1.26, 2.19)  | (1.71, 3.20)  |
| 80-84| 6410           | 7487           | 60.0        | 89.4        | 240         | 245         | 2.24        | 2.93        | 385         | 416          | 3.66          | 4.97          |
|     | (4585, 8317)   | (5532, 9550)   | (42.9, 77.8) | (114, 66.1) | (166, 345)  | (165, 365)  | (1.55, 2.35)| (1.97, 4.36)| (289, 496)  | (309, 557)   | (2.71, 4.64)  | (3.69, 6.64)  |
| 85-89| 2456           | 2318           | 44.4        | 77.8        | 116         | 81.6        | 2.09        | 2.74        | 352         | 377          | 6.36          | 12.6          |
|     | (1738, 3356)   | (3039, 702)    | (31.4, 60.7) | (57.1, 102) | (80.1, 166) | (53.9, 119) | (1.45, 3.01)| (1.81, 4.00)| (264, 477)  | (296, 484)   | (4.77, 8.63)  | (9.94, 16.3)  |
| 90-94| 659            | 271            | 35.5        | 70.1        | 37.9        | 10.2        | 2.04        | 2.63        | 225         | 84.9         | 12.1          | 22.0          |
|     | (476, 914)     | (196, 366)     | (25.6, 49.2) | (50.6, 94.7)| (25.5, 55.2)| (6.81, 15.1)| (1.38, 2.97)| (1.76, 3.91)| (166, 300)  | (67.5, 111)  | (8.92, 16.1)  | (17.5, 28.7)  |
| ≥95 | 128            | 20.6           | 31.2        | 57.0        | 8.43        | 0.91        | 2.05        | 2.51        | 106         | 9.19         | 25.9          | 25.4          |
|     | (860, 187)     | (13.9, 29.6)   | (20.9, 45.5) | (38.3, 81.8)| (5.41, 13.1)| (0.58, 1.45)| (1.32, 3.18)| (1.59, 4.01)| (75.1, 141) | (6.51, 14.7) | (18.3, 34.5)  | (18.0, 40.7)  |

IBD, inflammatory bowel disease; 95% UI, 95% uncertainty interval.