

SUPPLEMENTARY TABLE S1. The annual incidence (1/100,000) and average annual growth rate of human brucellosis by provincial-level administrative divisions (PLADs) in the mainland of China from 2016 to 2019.

PLADs	2016	2017	2018	2019	Average annual incidence	Average annual growth rate (%)
North						
Inner Mongolia	23.78	29.15	38.39	54.38	36.46	31.76
Ningxia	32.34	25.13	23.19	31.96	28.15	-0.39
Xinjiang	35.60	25.33	17.17	16.32	23.46	-22.89
Heilongjiang	14.01	11.14	11.30	11.21	11.92	-7.17
Shanxi	12.52	8.34	7.56	8.82	9.30	-11.02
Gansu	6.71	6.29	5.77	6.49	6.32	-1.13
Liaoning	5.34	4.37	4.73	5.24	4.92	-0.61
Jilin	5.38	4.24	4.44	4.09	4.54	-8.71
Hebei	5.08	3.61	3.93	4.28	4.22	-5.55
Shandong	3.95	3.11	2.79	2.47	3.07	-14.49
Henan	4.21	2.57	2.11	2.30	2.79	-18.23
Shaanxi	2.50	1.92	1.74	2.85	2.25	4.43
Qinghai	0.25	0.40	1.27	2.12	1.02	102.67
Tianjin	1.18	0.95	0.80	0.85	0.94	-10.40
Tibet	0.31	0.54	0.68	1.45	0.76	67.61
Beijing	0.88	0.70	0.57	0.40	0.64	-23.30
South						
Yunnan	0.59	0.46	0.49	0.64	0.55	2.57
Guangxi	0.60	0.40	0.28	0.31	0.40	-19.90
Guangdong	0.35	0.35	0.37	0.38	0.36	3.14
Hubei	0.45	0.40	0.19	0.12	0.29	-35.17
Hunan	0.24	0.26	0.26	0.30	0.26	7.52
Fujian	0.20	0.24	0.24	0.37	0.26	23.77
Anhui	0.13	0.24	0.24	0.22	0.20	19.20
Guizhou	0.32	0.29	0.13	0.07	0.20	-39.93
Zhejiang	0.17	0.26	0.19	0.19	0.20	3.90
Jiangsu	0.18	0.23	0.20	0.17	0.20	-1.24
Jiangxi	0.14	0.16	0.20	0.13	0.16	-2.67
Hainan	0.05	0.32	0.06	0.15	0.14	39.74
Chongqing	0.14	0.14	0.07	0.15	0.13	0.60
Sichuan	0.14	0.09	0.08	0.14	0.11	0.05
Shanghai	0.05	0.02	0.03	0.01	0.03	-44.93

SUPPLEMENTARY TABLE S2. Comparison of human brucellosis between northern and southern China by reported cases at regional and county level, 2016–2019.

Year	Region	Reported cases		Median (IQR) at county level	
		No	Percentage (%)	Case number	Incidence rate
2016	South	2,115	4.5	2 (1, 4)	0.4 (0.2, 0.7)
	North	45,024	95.5	16 (6, 40)	4.4 (1.6, 13.1)
	Total	47,139	100.0	8 (2, 26)	2.0 (0.5, 7.3)
2017	South	2,110	5.5	2 (1, 4)	0.4 (0.2, 0.7)
	North	36,444	94.5	13 (5, 32)	3.4 (1.3, 10.3)
	Total	38,554	100.0	6 (2, 20)	1.6 (0.5, 5.3)
2018	South	1,818	4.8	2 (1, 3)	0.3 (0.2, 0.6)
	North	36,129	95.2	12 (5, 28)	3.2 (1.3, 9.5)
	Total	37,947	100.0	6 (2, 20)	1.6 (0.5, 5.4)
2019	South	1,966	4.5	2 (1, 4)	0.3 (0.2, 0.6)
	North	42,070	95.5	13 (5, 33)	3.4 (1.4, 10.9)
	Total	44,036	100.0	7 (2, 20)	1.7 (0.5, 5.7)

Abbreviation: IQR=Interquartile range.

SUPPLEMENTARY TABLE S3. Age and sex distribution of annual incidence (1/100,000) of human brucellosis by north and south from 2016 to 2019 in China.

Age group (years)	2016				2017				2018				2019			
	Male		Female		Male		Female		Male		Female		Male		Female	
	North	South	North	South	North	South	North	South	North	South	North	South	North	South	North	South
0–	1.20	0.17	0.98	0.13	0.80	0.05	0.67	0.03	0.80	0.03	0.64	0.03	0.78	0.06	0.66	0.06
5–	1.51	0.08	0.91	0.05	0.88	0.03	0.62	0.03	0.82	0.04	0.53	0.02	0.99	0.06	0.72	0.04
10–	2.42	0.08	1.09	0.05	1.74	0.03	0.93	0.04	1.35	0.04	0.75	0.02	1.59	0.07	0.75	0.03
15–	3.06	0.07	0.93	0.02	1.99	0.05	0.65	0.03	1.78	0.05	0.54	0.01	1.83	0.05	0.59	0.01
20–	3.77	0.10	0.86	0.06	2.73	0.13	0.72	0.03	2.29	0.09	0.69	0.01	2.65	0.09	0.75	0.03
25–	9.89	0.28	2.70	0.11	7.28	0.25	1.95	0.09	6.45	0.21	1.68	0.03	6.75	0.26	1.57	0.07
30–	12.87	0.39	3.82	0.15	11.13	0.36	3.24	0.14	11.09	0.33	3.17	0.11	12.62	0.39	3.51	0.13
35–	12.29	0.43	3.92	0.12	10.33	0.41	3.23	0.11	10.14	0.24	3.73	0.13	12.44	0.33	4.36	0.11
40–	15.05	0.49	5.37	0.17	12.05	0.47	4.30	0.21	11.40	0.28	4.33	0.12	12.41	0.37	4.84	0.16
45–	16.87	0.53	6.63	0.25	14.07	0.56	5.88	0.22	14.34	0.40	6.25	0.22	15.89	0.54	7.00	0.24
50–	24.64	1.05	11.5	0.55	20.95	1.19	9.05	0.59	20.34	0.92	9.94	0.44	24.29	0.94	11.01	0.58
55–	17.05	0.58	7.17	0.26	13.60	0.53	6.00	0.34	14.22	0.50	6.67	0.21	17.72	0.67	8.65	0.37
60–	22.37	0.74	9.45	0.43	18.34	0.80	7.23	0.43	17.80	0.57	7.66	0.26	21.17	0.63	8.22	0.37
65–	11.44	0.27	4.12	0.16	8.93	0.36	3.41	0.16	8.90	0.27	3.36	0.15	10.92	0.31	4.20	0.15