Supplementary materials

for

A cross-sectional study on the epidemiological features of human brucellosis in Tongliao city, Inner Mongolia province, China, over a 11-year period (2007-2017)

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Table S1 The annual age distribution of human brucellosis in Tongliao during 2007-2017.

Age stage	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
0-	1	4	1	1	4	5	3	2	3	3	5	32
4-	4	10	11	4	14	11	9	5	4	5	6	83
10-	7	5	14	7	17	7	6	10	1	2	8	84
15-	5	21	33	29	46	39	19	25	8	5	21	251
20-	13	44	63	52	102	86	59	68	32	23	33	575
25-	49	96	123	101	208	170	133	141	84	67	86	1258
30-	46	123	128	132	272	234	179	168	115	80	114	1591
35-	53	127	169	173	341	285	203	206	119	102	140	1918
40-	49	132	162	165	374	352	264	228	184	145	217	2272
45-	39	79	132	158	328	311	244	248	184	153	238	2114
50-	38	59	77	96	245	216	183	214	150	138	200	1616
55-	29	33	62	74	192	153	145	129	102	72	148	1139
60-	6	17	31	41	87	78	63	88	56	54	115	636
65-	8	9	11	14	28	30	27	28	27	30	56	268
70-	2	3	7	8	7	7	6	6	5	4	10	65
75-	1	1	1	4	3	4	3	1	2	3	2	25
80-	1	0	1	0	2	1	0	0	1	2	3	11
Total	351	763	1026	1059	2270	1989	1546	1567	1077	888	1402	13938

Table S2 Occupational distribution of annual reported human brucellosis over the 11-year period in Tongliao.

Occupation	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
Agriculturalists	264	528	769	745	1837	1633	1249	1409	961	818	1201	11414
Pastoralist	62	168	181	256	311	236	241	96	78	34	62	1725
Student	11	19	28	12	10	15	9	19	5	2	11	141
Preschool children	3	7	5	5	13	11	9	5	5	7	9	79
Teacher	1	0	1	1	1	2	2	0	2	1	0	11
Medical	1	2	4	2	43	5	2	1	2	1	2	65
Worker	3	16	30	21	4	9	6	8	2	8	3	110
Public official	2	4	2	1	6	2	2	9	2	1	4	35
Unemployed	0	14	3	5	10	11	17	16	12	16	94	198
Other	3	5	3	11	28	11	6	4	2	0	4	77
Unknown	1	0	0	0	7	54	3	0	6	0	12	83
Total	351	763	1026	1059	2270	1989	1546	1567	1077	888	1402	13938

Table S3 The yearly incidence rates of human brucellosis in Tongliao at county level during 2007 to 2017 (per 100, 000 population).

County	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Average
Horqin	2.72	2.59	2.46	8.85	18.91	22.27	17.11	26.27	14.10	10.41	17.80	13.05
Horqin Left Wing Middle Banner	1.11	4.23	8.74	12.63	40.21	57.70	36.87	46.27	35.28	32.82	60.76	30.60
Horqin Left Wing Rear Banner	6.12	4.86	12.30	14.84	43.24	49.17	61.63	63.60	30.00	18.56	57.02	32.85
Kailu	5.24	2.73	11.59	18.88	69.92	51.83	42.86	36.12	29.97	28.68	35.54	30.31
Hure Banner	2.22	13.24	24.66	75.67	213.75	114.94	81.93	105.46	83.05	81.89	93.94	80.98
Naiman Banner	2.04	3.15	10.72	12.42	85.68	62.45	36.07	47.61	38.52	27.30	37.32	33.03
Jurud Banner	56.78	181.38	212.85	143.48	211.90	176.61	153.03	84.54	67.86	55.80	87.11	130.12
Holingol	40.98	42.39	96.35	62.70	55.77	66.13	43.97	37.20	20.50	7.87	10.82	44.06
Average	9.22	22.33	31.20	31.24	69.16	60.55	47.79	47.82	33.28	27.30	44.32	38.56

Table S4 The number of reported human brucellosis cases in Tongliao at county level during 2007 to 2017.

County	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
Horqin	42	22	22	76	170	200	154	244	130	94	159	1313
Horqin Left Wing Middle Banner	10	25	53	81	216	301	197	247	183	171	311	1795
Horqin Left Wing Rear Banner	35	20	51	66	169	187	249	249	114	72	217	1429
Kailu	28	11	51	81	284	209	179	146	121	118	140	1368
Hure Banner	5	30	45	158	369	195	137	187	141	143	159	1569
Naiman Banner	15	18	50	65	358	261	157	192	157	114	152	1539
Jurud Banner	188	608	688	489	647	569	428	264	210	168	253	4512
Holingol	28	29	66	43	57	67	45	38	21	8	11	413
Total	351	763	1026	1059	2270	1989	1546	1567	1077	888	1402	13938

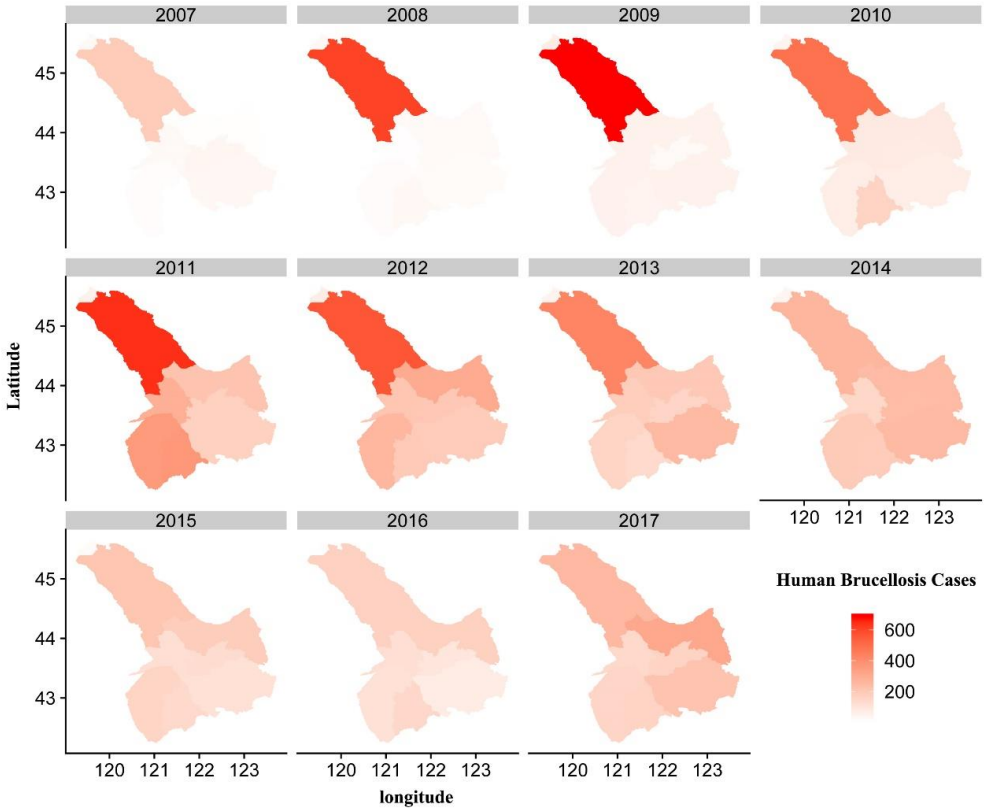

Figure S1 Annual distribution of reported cases of human brucellosis in Tongliao city, based on county (2007-2017).