

Table S1 Interstitial lung disease and pulmonary sarcoidosis (ILD&PS) prevalence and mortality rate in China

Year	ILD&PS prevalence (/100000)						ILD&PS mortality rate (/100,000)					
	Crude			Age-standardized			Crude			Age-standardized		
	Both	Male	Female	Both	Male	Female	Both	Male	Female	Both	Male	Female
1992	22.17	22.9	21.38	27.24	30.13	25.12	0.26	0.29	0.21	0.40	0.58	0.29
1993	22.47	23.23	21.66	27.15	30.00	25.03	0.26	0.3	0.22	0.40	0.57	0.29
1994	22.85	23.63	22.01	27.08	29.90	24.96	0.26	0.3	0.22	0.40	0.57	0.29
1995	23.24	24.04	22.38	27.04	29.83	24.93	0.26	0.3	0.22	0.39	0.56	0.29
1996	23.70	24.53	22.82	27.02	29.78	24.92	0.27	0.31	0.22	0.39	0.55	0.29
1997	24.19	25.04	23.28	27.02	29.75	24.93	0.27	0.31	0.22	0.38	0.55	0.28
1998	24.70	25.58	23.76	27.03	29.73	24.94	0.27	0.32	0.23	0.38	0.54	0.28
1999	25.26	26.18	24.29	27.04	29.72	24.96	0.28	0.32	0.23	0.38	0.54	0.28
2000	25.81	26.76	24.80	27.07	29.74	24.98	0.29	0.34	0.23	0.38	0.55	0.28
2001	26.40	27.39	25.36	27.12	29.79	25.02	0.29	0.34	0.23	0.38	0.55	0.27
2002	27.04	28.07	25.94	27.21	29.91	25.09	0.3	0.36	0.24	0.38	0.56	0.27
2003	27.70	28.78	26.56	27.33	30.07	25.18	0.31	0.38	0.24	0.39	0.58	0.27
2004	28.44	29.58	27.24	27.47	30.26	25.28	0.32	0.39	0.25	0.39	0.59	0.27
2005	29.19	30.39	27.92	27.65	30.49	25.41	0.33	0.41	0.25	0.40	0.60	0.27
2006	30.37	31.69	28.97	28.30	31.33	25.92	0.34	0.42	0.26	0.40	0.60	0.27
2007	32.12	33.67	30.51	29.58	32.98	26.91	0.36	0.44	0.27	0.41	0.62	0.27
2008	34.13	35.92	32.26	31.05	34.86	28.06	0.38	0.48	0.28	0.42	0.65	0.28
2009	36.10	38.11	34.00	32.25	36.41	28.99	0.41	0.51	0.30	0.44	0.67	0.29
2010	37.48	39.61	35.25	32.76	37.06	29.38	0.43	0.54	0.31	0.45	0.69	0.29
2011	38.37	40.56	36.07	32.65	36.95	29.26	0.44	0.57	0.32	0.45	0.69	0.29
2012	39.04	41.29	36.69	32.35	36.64	28.96	0.45	0.58	0.32	0.44	0.69	0.28
2013	39.54	41.83	37.15	31.94	36.20	28.56	0.47	0.6	0.33	0.44	0.69	0.28
2014	40.03	42.36	37.59	31.49	35.71	28.14	0.47	0.61	0.33	0.43	0.67	0.27
2015	40.45	42.79	38.01	31.08	35.26	27.76	0.48	0.61	0.34	0.43	0.66	0.27
2016	40.83	43.16	38.41	30.64	34.75	27.39	0.49	0.62	0.34	0.42	0.65	0.27
2017	41.09	43.36	38.71	30.14	34.16	26.97	0.49	0.63	0.36	0.41	0.63	0.27
2018	41.41	43.65	39.07	29.69	33.62	26.60	0.5	0.63	0.37	0.41	0.61	0.26
2019	42.05	44.33	39.67	29.42	33.31	26.37	0.51	0.64	0.38	0.40	0.60	0.26
2020	42.96	45.32	40.50	29.34	33.24	26.29	0.52	0.65	0.39	0.40	0.60	0.26
2021	44.17	46.65	41.56	29.42	33.36	26.33	0.54	0.67	0.40	0.39	0.59	0.26

Table S2 Age, period and cohort effects of interstitial lung disease and pulmonary sarcoidosis (ILD&PS) prevalence and mortality rate in China

Factors	ILD&PS prevalence				ILD&PS mortality rate			
	Coefficient	RR	95% CI		Coefficient	RR	95% CI	
			Lower	Upper			Lower	Upper
Age								
15-19	-3.39	0.03	0.03	0.03	-2.30	0.10	0.09	0.12
20-24	-1.75	0.17	0.17	0.18	-2.25	0.11	0.09	0.12
25-29	-1.06	0.35	0.34	0.35	-1.97	0.14	0.12	0.16
30-34	-0.71	0.49	0.49	0.50	-1.80	0.17	0.15	0.18
35-39	-0.48	0.62	0.61	0.62	-1.47	0.23	0.21	0.25
40-44	-0.27	0.77	0.76	0.77	-1.17	0.31	0.29	0.33
45-49	0.00	1.00	0.99	1.00	-0.91	0.40	0.38	0.43
50-54	0.28	1.32	1.31	1.32	-0.50	0.60	0.57	0.64
55-59	0.51	1.67	1.66	1.67	0.06	1.06	1.01	1.11
60-64	0.73	2.07	2.06	2.08	0.44	1.55	1.49	1.61
65-69	0.89	2.43	2.42	2.45	0.80	2.23	2.15	2.30
70-74	0.99	2.69	2.66	2.71	1.23	3.41	3.30	3.53
75-79	1.04	2.84	2.81	2.87	1.61	5.02	4.84	5.20
80-84	1.03	2.81	2.77	2.84	1.70	5.50	5.27	5.74
85-89	0.92	2.51	2.47	2.54	2.04	7.72	7.34	8.13
90-94	0.73	2.08	2.04	2.13	2.22	9.18	8.59	9.81
95+	0.54	1.72	1.66	1.79	2.27	9.64	8.63	10.77
Period								
1992	-0.24	0.78	0.78	0.79	-0.34	0.71	0.69	0.73
1997	-0.19	0.83	0.82	0.83	-0.26	0.77	0.75	0.79
2002	-0.10	0.90	0.90	0.90	-0.11	0.89	0.88	0.91
2007	0.09	1.10	1.10	1.10	0.12	1.13	1.10	1.15
2012	0.19	1.21	1.20	1.21	0.26	1.30	1.27	1.32
2017	0.25	1.29	1.28	1.29	0.34	1.40	1.37	1.44
Cohort								
1897-1901	0.50	1.65	1.34	2.03	1.35	3.87	2.30	6.51
1902-1996	0.49	1.63	1.52	1.75	1.24	3.46	2.83	4.21
1907-1911	0.50	1.64	1.58	1.71	1.09	2.97	2.63	3.35
1912-1916	0.54	1.71	1.66	1.77	1.03	2.81	2.55	3.08
1917-1921	0.58	1.78	1.73	1.83	0.98	2.67	2.46	2.89
1922-1926	0.63	1.88	1.83	1.93	0.90	2.46	2.29	2.64
1927-1931	0.67	1.95	1.91	2.00	0.80	2.23	2.09	2.38

Table S2 (continued)

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Factors	ILD&PS prevalence				ILD&PS mortality rate			
	Coefficient	RR	95% CI		Coefficient	RR	95% CI	
			Lower	Upper			Lower	Upper
1932-1936	0.68	1.98	1.94	2.02	0.69	1.98	1.87	2.11
1937-1941	0.66	1.93	1.90	1.97	0.55	1.73	1.63	1.83
1942-1946	0.60	1.83	1.80	1.86	0.37	1.45	1.37	1.54
1947-1951	0.54	1.71	1.69	1.74	0.20	1.23	1.16	1.30
1952-1956	0.44	1.56	1.54	1.58	0.04	1.04	0.97	1.10
1957-1961	0.32	1.38	1.36	1.39	-0.12	0.89	0.83	0.95
1962-1966	0.15	1.16	1.15	1.17	-0.33	0.72	0.67	0.78
1967-1971	-0.05	0.95	0.94	0.96	-0.49	0.61	0.56	0.66
1972-1976	-0.27	0.76	0.75	0.77	-0.68	0.51	0.46	0.55
1977-1981	-0.53	0.59	0.58	0.60	-0.83	0.43	0.39	0.48
1982-1986	-0.82	0.44	0.43	0.44	-0.98	0.38	0.33	0.43
1987-1991	-1.11	0.33	0.32	0.33	-1.12	0.33	0.28	0.37
1992-1996	-1.32	0.27	0.26	0.27	-1.33	0.26	0.22	0.32
1997-2001	-1.48	0.23	0.22	0.23	-1.53	0.22	0.16	0.29
2002-2006	-1.71	0.18	0.16	0.20	-1.82	0.16	0.10	0.27
Intercept	-8.11				-12.39			
Log likelihood	-41269.89				-3215.97			
AIC	270.01				21.29			
BIC	77795.28				3028.26			