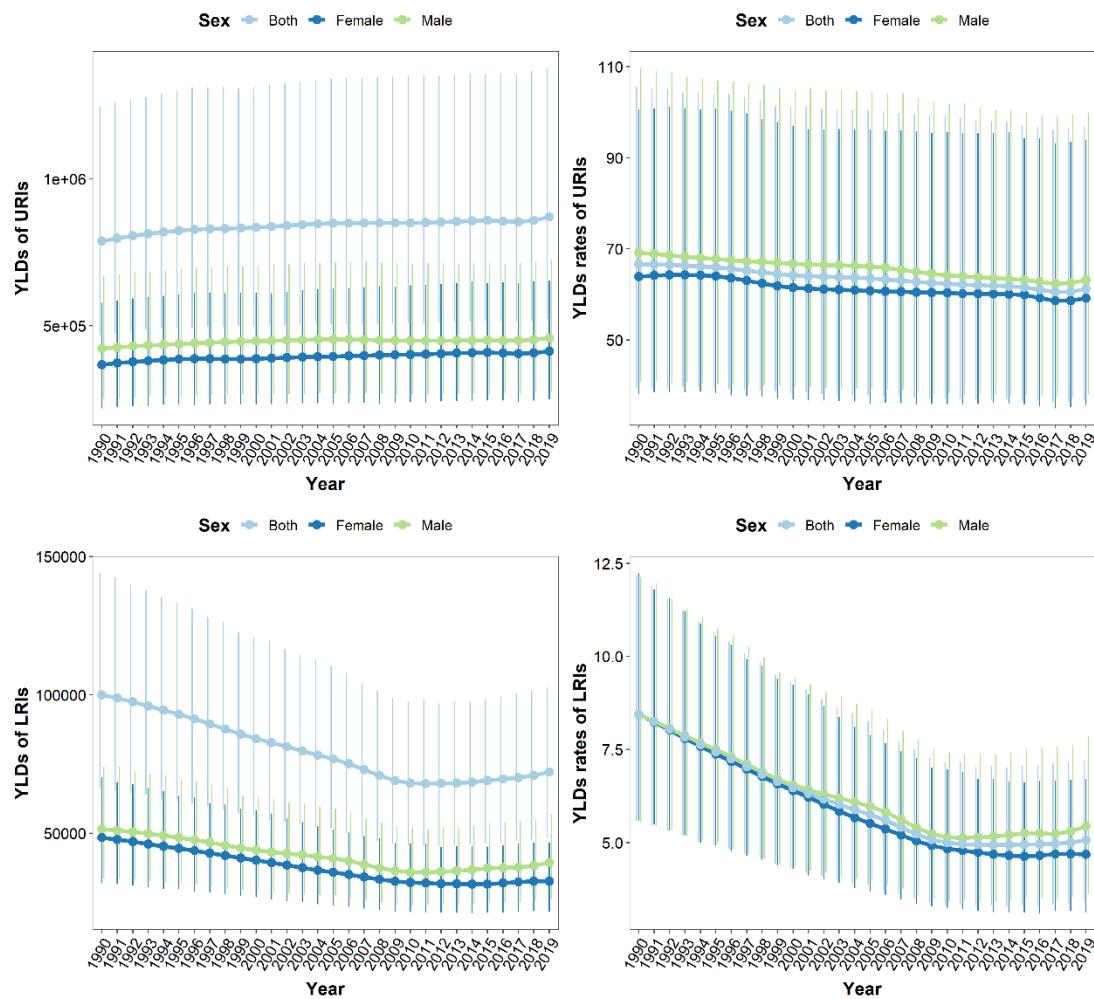


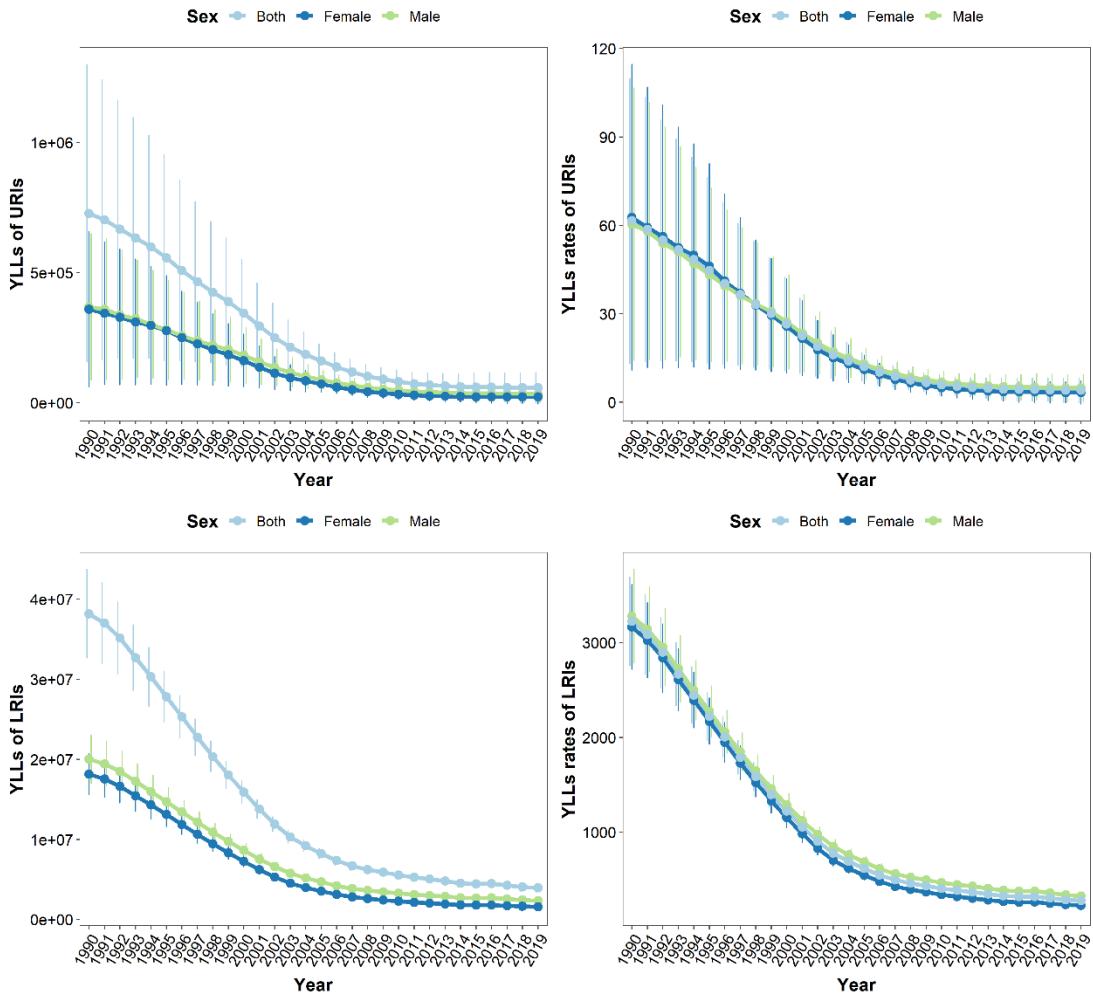
Disease burden and attributable risk factors of respiratory infections in China from 1990 to 2019

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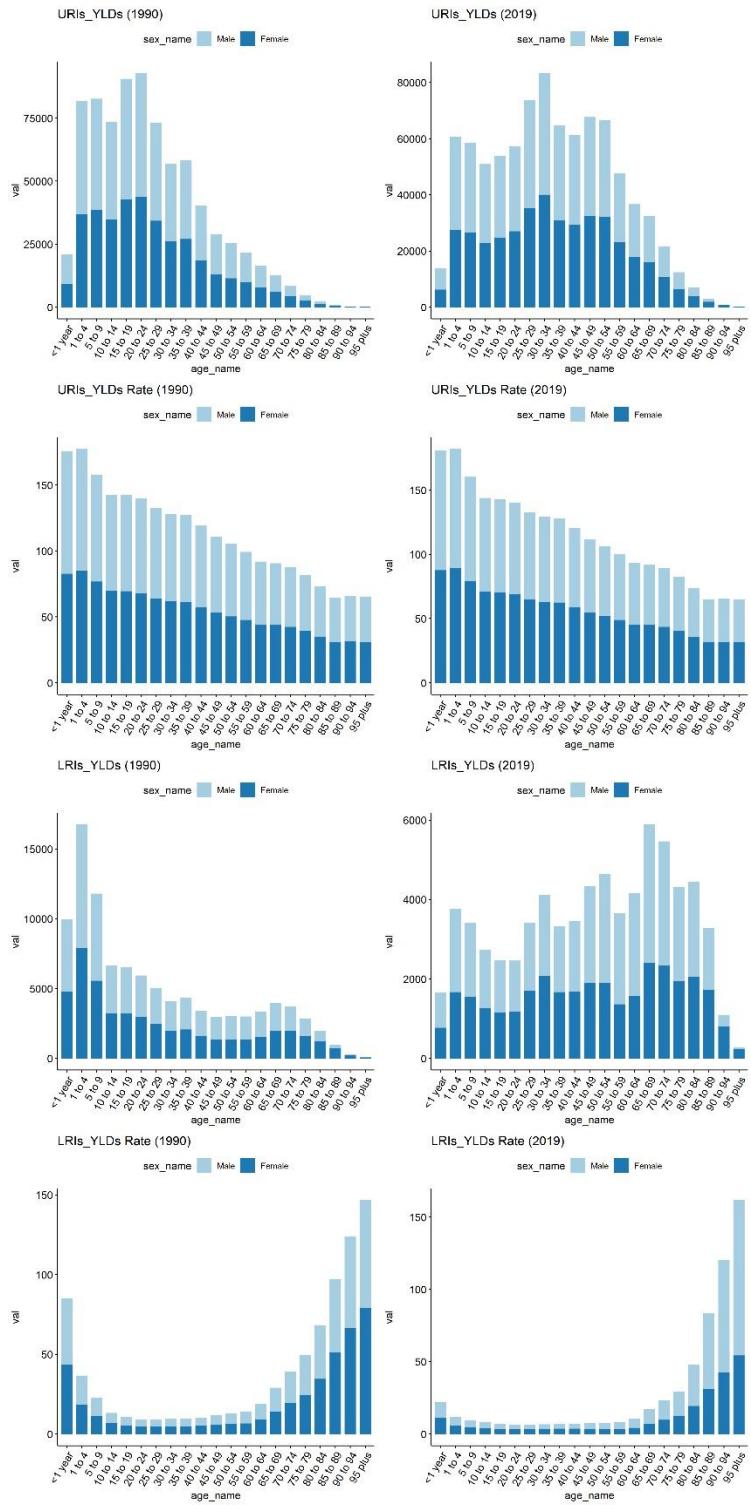
Supporting information legends



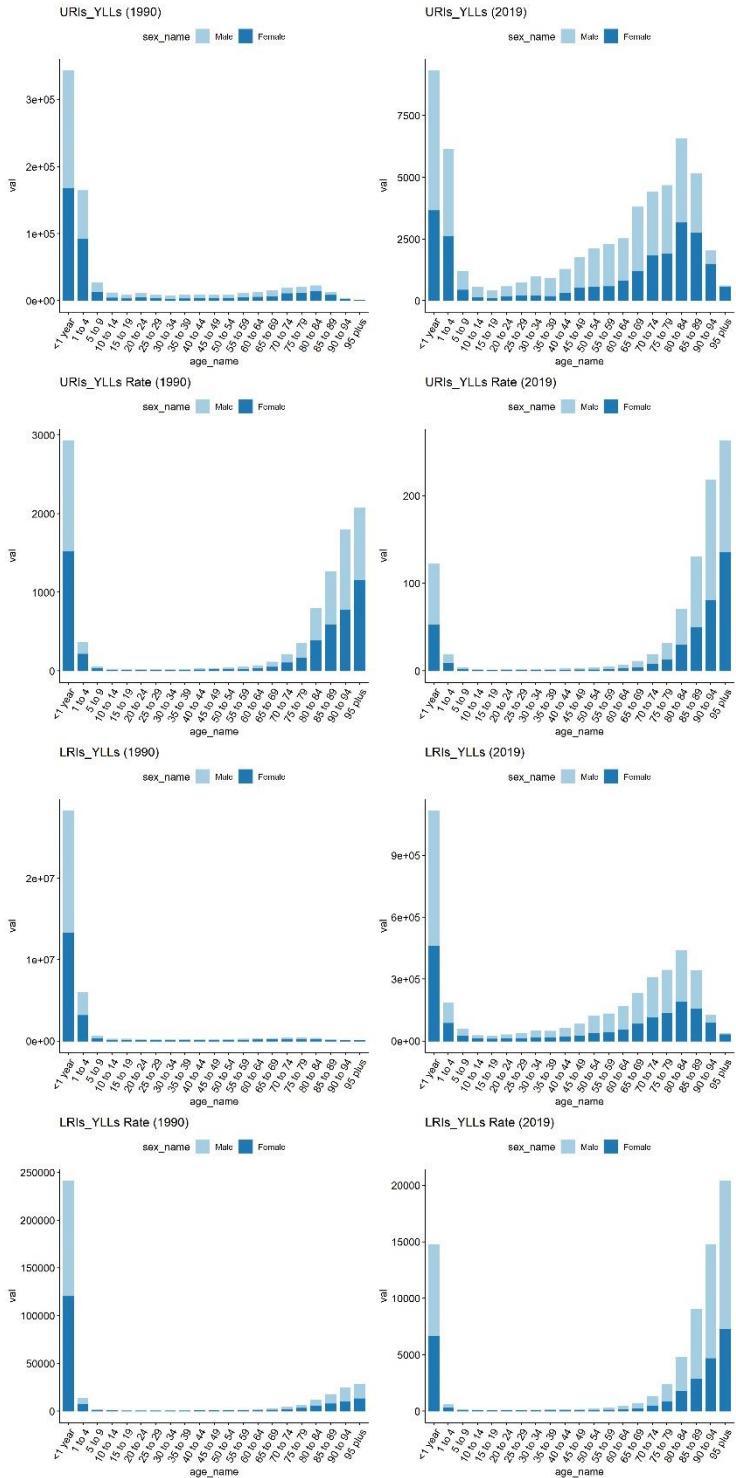
Supplementary fig 1. Trends of years lived with disability of upper and lower respiratory infections in China from 1990 to 2019.



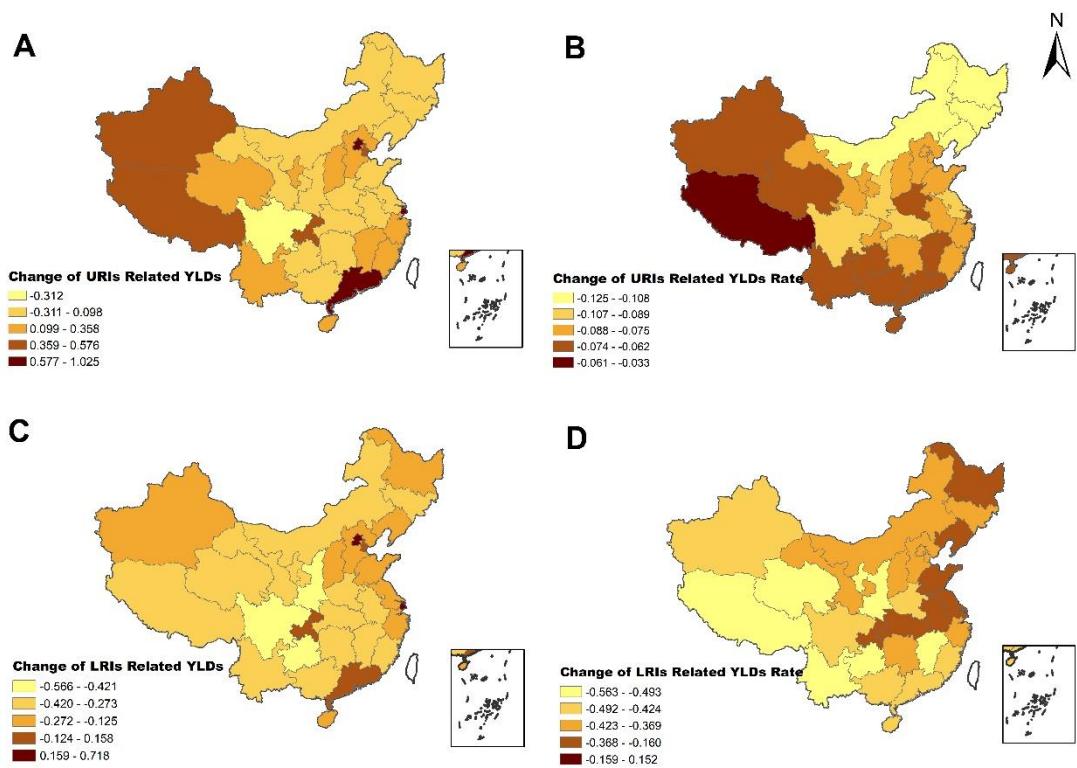
Supplementary fig 2. Trends of years of life lost due to upper and lower respiratory infections in China from 1990 to 2019.



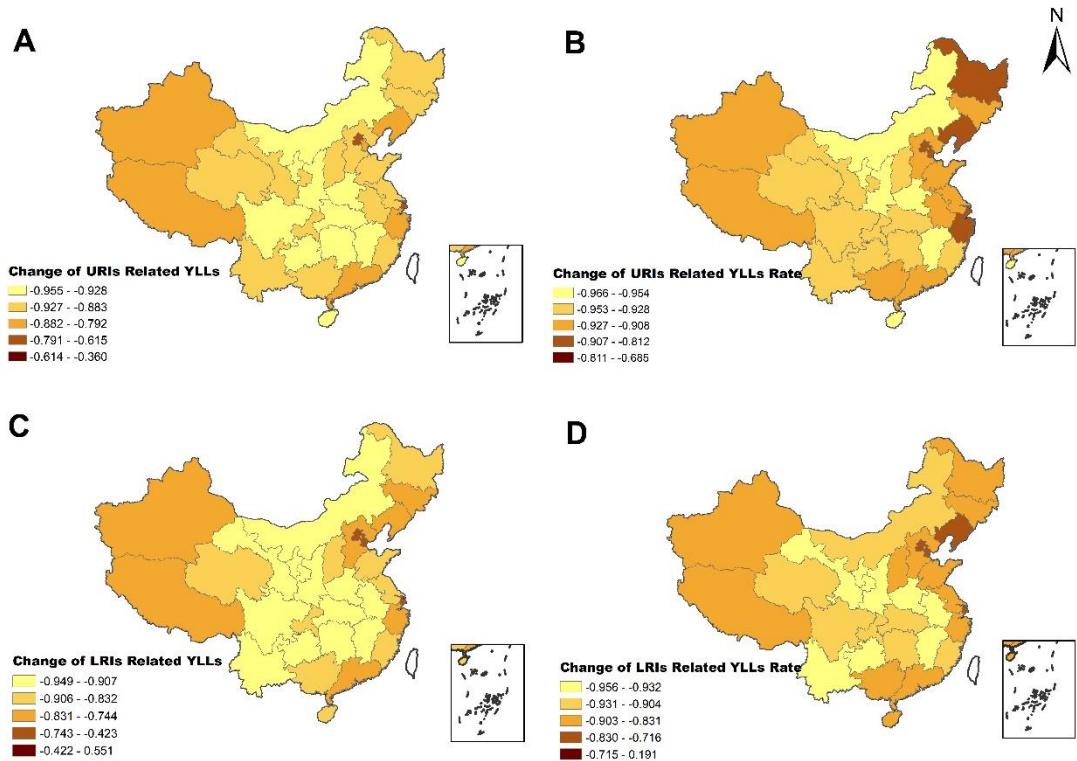
Supplementary fig 3. The age-specific years lived with disability of upper and lower respiratory infections in 1990 and 2019.



Supplementary fig 4. The age-specific years of life lost due to upper and lower respiratory infections in 1990 and 2019.



Supplementary fig 5. The change of province-specific years lived with disability of upper and lower respiratory infections from 1990 to 2019.



Supplementary fig 6. The change of province-specific years of life lost due to upper and lower respiratory infections from 1990 to 2019.

Supplementary table 1. All-age years lived with disability (YLDs) of upper and lower respiratory infections and their percentage change by sex in China, 1990–2019.

Subcategories	All-age YLDs (95% UI), No. in thousands			Age-standardized YLD rate (95% UI), per 100,000		
	1990	2019	Change (%)	1990	2019	Change (%)
Upper respiratory infections						
Male	422·12 (249·53– 669·10)	457·96 (276·33– 723·23)	8·49 (2·31– 14·72) 109·66)	69·18 (40·89– 99·78)	63·18 (38·12– 99·78)	-8·67 (-13·87–3·42)
Female	366·63 (219·67– 576·61)	412·81 (249·32– 654·69)	12·60 (5·58– 19·50) 100·54)	63·93 (38·30– 93·86)	59·18 (35·74– 93·86)	-7·43 (-13·20–1·75)
Total	788·74 (467·93– 1248·80)	870·77 (525·68– 1377·52)	10·40 (3·87– 16·77) 105·50)	66·63 (39·53– 96·85)	61·22 (36·96– 96·85)	-8·13 (-13·56–2·82)
Lower respiratory infections						
Male	51·52 (33·93– 73·94)	39·44 (26·44– 56·80)	-23·44 (-28·67– -18·51)	8·44 (5·56– 12·12)	5·44 (3·65– 7·84)	-35·55 (-39·95– 31·40)
Female	48·46 (32·20– 70·15)	32·70 (21·84– 46·74)	-32·51 (-36·96– -27·38)	8·45 (5·62– 12·23)	4·69 (3·13– 6·70)	-44·51 (-48·17– 40·30)
Total	99·97 (66·18– 143·98)	72·15 (48·41– 102·66)	-27·83 (-32·11– -23·48)	8·45 (5·59– 12·16)	5·07 (3·40– 7·22)	-39·94 (-43·50– 36·32)

Supplementary table 2. All-age years of life lost (YLLs) of upper and lower respiratory infections and their percentage change by sex in China, 1990–2019.

Subcategories	All-age YLLs (95% UI), No. in thousands			Age-standardized YLL rate (95% UI), per 100,000		
	1990	2019	Change (%)	1990	2019	Change (%)
Upper respiratory infections						
Male	368·28 (85·82– 650·74)	34·76 (0·55– 68·96)	-90·56 (-96·52–22·99)	60·36 (14·07– 106·65)	4·80 (0·08– 9·51)	-92·06 (-97·07– 3·54)
Female	359·70 (61·75– 657·65)	23·09 (-4·03– 50·21)	-93·58 (-98·31–04)	62·72 (10·77– 114·67)	3·31 (-0·58– 7·20)	-94·72 (-98·36– 7·74)
Total	727·98 (155·02– 1300·94)	57·85 (-1·62– 117·31)	-92·05 (-97·18–25·34)	61·50 (13·10– 109·91)	4·07 (-0·11– 8·25)	-93·39 (-97·66– 4·31)
Lower respiratory infections						
Male	20017·58 (16995·46– 23039·70)	2364·94 (2021·14– 2708·74)	-88·19 (-90·45– 84·24)	3280·57 (2785·29– 3775·84)	326·28 (278·85– 373·71)	-90·05 (-91·96– -86·74)
Female	18160·95 (15588·76– 20733·14)	1583·59 (1320·97– 1846·21)	-91·28 (-92·98– 88·53)	3166·71 (2718·20– 3615·23)	227·03 (189·38– 264·68)	-92·83 (-94·23– -90·57)
Total	38178·53 (32615·84– 43741·22)	3948·53 (3431·80– 4465·26)	-89·66 (-91·46– 86·59)	3225·40 (2755·46– 3695·35)	277·61 (241·28– 313·94)	-91·39 (-92·89– -88·84)