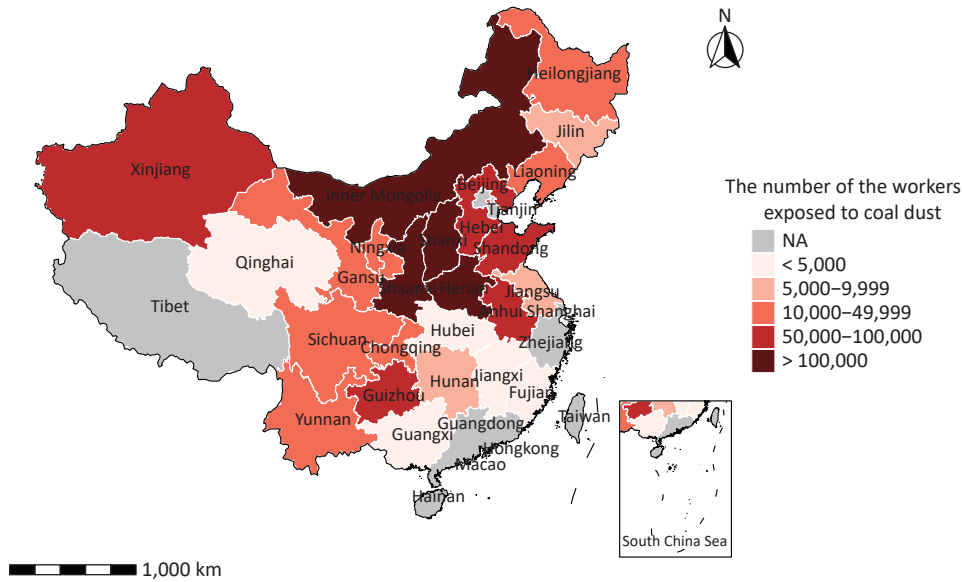


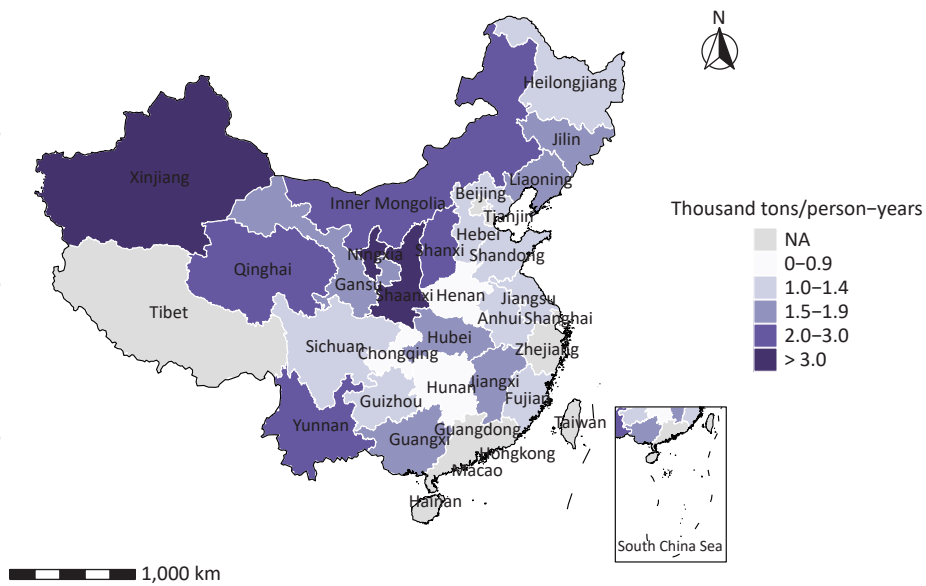
Supplementary Figure S1. Geographic distribution of raw coal production across China in 2020.

Supplementary Table S1. The scale and the registration type of enterprises in 2020

Variables	Small & Micro		Medium		Large		Total <i>n</i>
	<i>n</i>	%	<i>n</i>	%	<i>n</i>	%	
State-owned	97	10.85	340	38.03	457	51.12	894
Limited	702	57.97	398	32.87	111	9.17	1,211
Private	476	76.16	130	20.80	19	3.04	625
Others	117	44.15	100	37.74	48	18.11	265
Total	1,392	46.48	968	32.32	635	21.20	2,995



Supplementary Figure S2. Geographic distribution of the workers exposed to coal dust in 2020.



Supplementary Figure S3. Geographic distribution of the annual raw coal production per coal worker in 2020.