



**Figure S1.** Distribution of meteorological stations and terrain around the study region.

**Table S1.** Pearson's correlation between socioeconomic factors.

Variables	Prim. ind.	GDP per capita	Tert. ind.
GDP per capita	-0.57***		
Tert. ind.	-0.36***	0.29***	
Popu. Den.	-0.39***	0.39***	0.40***

Note: Popu. den.: population density; Prim. ind.: proportion of primary industry (%); Tert. ind.: proportion of tertiary industry (%). \*\*\* < 0.01 significance level.

**Table S2.** Pearson's correlation between meteorological factors.

Variables	Temperature	Precipitation	Relative humidity
Precipitation	0.33***		
Relative humidity	0.34***	0.43***	
Sunshine hours	0.13**	-0.32***	-0.63***

Note: \*\*\* < 0.01 significance level; \*\* < 0.05 significance level.

**Table S3.** Pearson's correlation between HFMD incidence and risk factors.

<b>Prim. ind.</b>	<b>GDP per capital</b>	<b>Tert. ind.</b>	<b>Popu. Den.</b>
-0.50**	0.31**	0.25**	0.13*

Note: Popu. den.: population density; Prim. ind.: proportion of primary industry (%); Tert. ind.: proportion of tertiary industry (%). \*\* < 0.01 significance level; \* < 0.1 significance level.