

Understanding PM2.5 Risk Perception in Urban Thailand: Associations with Influencing Factors

Additional file 2

The full English language version of the questionnaire. The full English language version of the questionnaire

13-item scale to measure PM2.5 risk perception questionnaire (English version)

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A 13-item scale to measure PM2.5 risk perception

Risk perceptions of PM2.5 items		Scales				
		Strongly agree	Agree	Neutral	Disagree	Strongly disagree
Perceived susceptibility of PM2.5						
1	Outdoor activities currently involve higher PM 2.5 exposure					
2	PM2.5 exposure is elevated during outdoor activities					
3	N95 masks significantly reduce PM2.5 exposure					
4	PM2.5 exposure raises respiratory disease risk					
5	PM2.5 exposure raises cardiovascular disease risk					
6	PM2.5 exposure raises lung disease risk					
7	PM2.5 impacts mental health					
8	Higher PM2.5 risk for children, women, older adults, and lung disease patients					
Perceived severity of PM2.5						
9	PM2.5 more damaging to health than general dust					
10	PM2.5 impacts daily life					
11	Outdoor activities with high PM2.5 can readily cause illness.					
12	PM2.5 illnesses impact work disruption or stoppage					
13	PM2.5 impacts the economy, including tourism.					

The responses were based on a five-point Likert scale, ranging from 1 (strongly disagree) to 5 (Strongly agree). The total scores were then categorized into five levels of perceived PM2.5 risk, with 4.51–5.00 indicating the highest level, 3.51–4.50 indicating a high level, 2.51–3.50 indicating a moderate level, 1.51–2.50 indicating a low level, and 1.00–1.50 indicating the lowest level.