

Supplemental Figure 1. The Northern, Central, Southern, and Eastern regions of Taiwan

Supplemental Table 1. The Definition of ICD-9-CM Codes for Acute Upper Respiratory Tract Infections.

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| ICD-9-CM Codes | Definitions |
| 465 | Acute Upper Respiratory Infections of Multiple or Unspecific Sites |
| 487.1 | Influenza with other respiratory manifestations |
| 488.02 | Influenza due to identified avian influenza virus with other respiratory manifestations |
| 488.01 | Influenza due to identified avian influenza virus with pneumonia |
| 034.0 | Streptococcal sore throat |

Supplemental Table 2. Classification of the Hazards of PM2.5 and PM10 by Concentration

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| The concentration of pollutants and impact on health | | |
|  | PM2.5 (μg/ m3) | PM10 (μg/ m3) |
| Good | 0.0-15.4 | 0.0-54.0 |
| Moderate | 15.5-35.4 | 55.0-125.0 |
| Unhealthy for Sensitive Groups | 35.5-54.4 | 126.0-254.0 |
| Unhealthy | 54.5-150.4 | 255.0-354.0 |
| Very Unhealthy | 150.5-250.4 | 355.0-424.0 |
| Hazardous | 250.5-500.4 | 425.0-604.0 |