

 **Table 5. Pollutant-Specific Health Effects Statements for the Air Quality Index (AQI)**

AQI Category	Ozone (ppm)		Particulate Matter ($\mu\text{g}/\text{m}^3$)		Carbon Monoxide (ppm)	Sulfur Dioxide (ppm)	Nitrogen Dioxide (ppm)
	[8-hour]	[1-hour]	PM _{2.5} [24-hour]	PM ₁₀ [24-hour]	[8-hour]	[24-hour]	[1-hour]
Good	None		None	None	None	None	None
Moderate	Unusually sensitive individuals may experience respiratory symptoms.		None	None	None	None	None
Unhealthy for Sensitive Groups	Increasing likelihood of respiratory symptoms and breathing discomfort in active children and adults and people with respiratory disease, such as asthma.	Increasing likelihood of respiratory symptoms and breathing discomfort in active children and adults and people with respiratory disease, such as asthma.	Increasing likelihood of respiratory symptoms in sensitive individuals, aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease and the elderly.	Increasing likelihood of respiratory symptoms and aggravation of lung disease, such as asthma.	Increasing likelihood of reduced exercise tolerance due to increased cardiovascular symptoms, such as chest pain, in people with cardiovascular disease.	Increasing likelihood of respiratory symptoms, such as chest tightness and breathing discomfort, in people with asthma.	None
Unhealthy	Greater likelihood of respiratory symptoms and breathing difficulty in active children and adults and people with respiratory disease, such as asthma; possible respiratory effects in general population.	Greater likelihood of respiratory symptoms and breathing difficulty in active children and adults and people with respiratory disease, such as asthma; possible respiratory effects in general population.	Increased aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease and the elderly; increased respiratory effects in general population.	Increased respiratory symptoms and aggravation of lung disease, such as asthma; possible respiratory effects in general population.	Reduced exercise tolerance due to increased cardiovascular symptoms, such as chest pain, in people with cardiovascular disease.	Increased respiratory symptoms, such as chest tightness and wheezing in people with asthma; possible aggravation of heart or lung disease.	None

Table 5. Pollutant-Specific Health Effects Statements for the Air Quality Index (AQI) (Cont.)

AQI Category	Ozone (ppm)		Particulate Matter ($\mu\text{g}/\text{m}^3$)		Carbon Monoxide (ppm) [8-hour]	Sulfur Dioxide (ppm) [24-hour]	Nitrogen Dioxide (ppm) [1-hour]
	[8-hour]	[1-hour]	PM _{2.5} [24-hour]	PM ₁₀ [24-hour]			
Very Unhealthy	Increasingly severe symptoms and impaired breathing likely in active children and adults and people with respiratory disease, such as asthma; increasing likelihood of respiratory effects in general population.	Increasingly severe symptoms and impaired breathing likely in active children and adults and people with respiratory disease, such as asthma; increasing likelihood of respiratory effects in general population.	Significant aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease and the elderly; significant increase in respiratory effects in general population.	Significant increase in respiratory symptoms and aggravation of lung disease, such as asthma; increasing likelihood of respiratory effects in general population.	Significant aggravation of cardiovascular symptoms, such as chest pain, in people with cardiovascular disease.	Significant increase in respiratory symptoms, such as wheezing and shortness of breath, in people with asthma; aggravation of heart or lung disease.	Increasing likelihood of respiratory symptoms and breathing discomfort in children and people with respiratory disease, such as asthma.
Hazardous	Severe respiratory effects and impaired breathing likely in active children and adults and people with respiratory disease, such as asthma; increasingly severe respiratory effects likely in general population.	Severe respiratory effects and impaired breathing likely in active children and adults and people with respiratory disease, such as asthma; increasingly severe respiratory effects likely in general population.	Serious aggravation of heart or lung disease and premature mortality in persons with cardiopulmonary disease and the elderly; serious risk of respiratory effects in general population.	Serious risk of respiratory symptoms and aggravation of lung disease, such as asthma; respiratory effects likely in general population.	Serious aggravation of cardiovascular symptoms, such as chest pain, in people with cardiovascular disease; impairment of strenuous activities in general population.	Severe respiratory symptoms, such as wheezing and shortness of breath, in people with asthma; increased aggravation of heart or lung disease; possible respiratory effects in general population.	Greater likelihood of respiratory symptoms and breathing difficulty in children and people with respiratory disease, such as asthma.