

Information topic	Details
Indicator names	<ol style="list-style-type: none"> 1. Monitoring sites exceeding the NESAQ daily threshold for PM₁₀ 2. Monitoring sites exceeding the WHO annual average guideline for PM₁₀
Domain and topic	Air Quality: Particulate matter
Indicator definition and units	<p>Number of monitored sites that exceeded the NESAQ daily threshold for PM₁₀: exceedances occur when annual average concentrations are greater than 50µg/m³</p> <p>Average annual concentrations of PM₁₀ at certain air quality monitoring stations. Exceedances of the WHO recommendation occur when concentrations exceed 15µg/m³</p>
Data source	Ministry for the Environment and Stats NZ. New Zealand's Environmental Reporting Series.
Numerator	Monitoring sites exceeding the WHO annual average guideline
Time period and time scale	Annual; from 2005 onwards
Spatial Coverage	All sites with valid data that were reported by the Ministry for the Environment and Stats NZ
Measures of frequency	<ol style="list-style-type: none"> 1. Number of exceedances of NESAQ threshold value for 24-hour average PM₁₀ concentrations, by station and year 2. Annual average concentrations & exceedances of WHO annual guideline value of PM₁₀, by station and year
Limitations of indicator	The population coverage of the monitoring site is unknown, meaning a national representative average cannot be applied.
Limitations of data source	<ul style="list-style-type: none"> - Monitoring information is only reported if the site achieves greater than 75% valid data collection and data were present for at least three consecutive years. - Some of the monitoring occurs at peak sites (sites expected to have high concentrations e.g. where home heating emissions accumulate, close to high-volume road traffic or near industrial activities). These sites may therefore not be representative of the surrounding area.
Created by	Ministry for the Environment and Stats NZ
Related indicators	<ul style="list-style-type: none"> - Monitoring sites exceeding the WHO daily guideline for sulphur dioxide - Monitoring sites exceeding the national environmental standard (one-hour average) for sulphur dioxide

Metadata

	<ul style="list-style-type: none">- Monitoring sites exceeding the WHO annual average guideline for nitrogen dioxide- Carbon monoxide 8-hour maximum levels at monitored sites- Monitoring sites exceeding WHO guidance limits for fine particulate matter (PM_{2.5})
For more information	Ministry for the Environment and Stats NZ. Environmental reporting: Air. URL: https://environment.govt.nz/facts-and-science/air/ (accessed August 2022).
References	Ministry for the Environment and Stats NZ. 2021. <i>Our air 2021</i> . Wellington: Ministry for the Environment.