

Information topic	Details
Indicator name	Exceedances of the daily national standard for PM₁₀, including maximum PM₁₀ levels
Domain and topic	Air quality: Particulate Matter
Indicator definition and units	Number of monitored sites that exceed the national short-term standard for PM ₁₀ . Exceedances occur when 24-hour mean concentrations of PM ₁₀ are above the national short-term standard of 50µg/m ³ (one exceedance per 12-month period allowed) (Ministry for the Environment 2014).
Data Source	Ministry for the Environment Statistics New Zealand
Numerator	Number of PM ₁₀ monitored sites that exceeded the national short-term standard of 50µg/m ³ in a 24-hour period
Denominator	Number of PM ₁₀ sites that were monitored
Spatial coverage	All sites that were reported by the Ministry for the Environment and Statistics New Zealand
Time period and time scale	Annual; from 2006 onwards
Measures of frequency	Number of days with PM ₁₀ concentrations exceeding the daily standard, at monitored sites
Limitations of indicator	Only sites that monitor PM ₁₀ concentrations and with valid data will be reported.
Limitations of data source	<ul style="list-style-type: none"> - Not all sites are monitored (monitoring information is only included if the site achieves greater than 75% valid data collection) - Some of the monitoring occurs at peak sites (sites expected to have high concentrations e.g. where home heating emissions accumulate or close to high-volume road traffic). These sites may therefore not be representative of the surrounding area. - The population coverage is unknown, meaning a national representative average cannot be compiled.
Related indicators	Annual average PM ₁₀ levels at monitoring sites
Created by	Ministry for the Environment and Statistics New Zealand
For more information	<p>Ministry for the Environment. Particles. Available from http://www.mfe.govt.nz/air/specific-air-pollutants/particles (accessed March 2017)</p> <p>Statistics New Zealand. Annual average PM₁₀ concentrations. Available from http://www.stats.govt.nz/browse_for_stats/environment/enviro</p>

	<p>mental-reporting-series/environmental-indicators/Home/Air/pm10-annual-average-concentrations.aspx (accessed March 2017)</p> <p>Ministry for the Environment and Statistics New Zealand. New Zealand's Environmental Reporting Series: Environment Aotearoa. Available from www.mfe.govt.nz and www.stats.govt.nz</p>
References	<p>Ministry for the Environment. (2014). <i>2011 User's Guide to the revised National Environmental Standards for Air Quality. Updated 2014</i>. Wellington: Ministry for the Environment.</p>