

Information topic	Details
Indicator name	Monitoring sites exceeding the national environmental standard (one-hour average) for sulphur dioxide
Domain and topic	Air Quality: Other air pollutants
Indicator definition and units	Number of monitored sites that exceeded the national one-hour standard for sulphur dioxide: exceedances occur when 1-hour average concentrations of sulphur dioxide are greater than the national standard of either 350µg/m ³ (nine exceedances per 12-month period allowed) or 570µg/m ³ (no exceedances allowed) (Ministry for the Environment and Stats NZ 2018).
Data source	Ministry for the Environment and Stats NZ. New Zealand's Environmental Reporting Series. URL: https://data.mfe.govt.nz/
Numerator	Monitoring sites exceeding the national standard for sulphur dioxide
Time period and time scale	Annual; from 2008 onwards
Spatial Coverage	All sites with valid data that were reported by the Ministry for the Environment and Stats NZ
Measures of frequency	<ul style="list-style-type: none"> - Monitoring sites exceeding the national standard for sulphur dioxide - Number of exceedances of national standard, by monitoring 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. - Some of the monitoring occurs at peak sites (sites expected to have high concentrations eg. 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 - Annual average nitrogen dioxide concentration at

	<p>monitoring sites</p> <ul style="list-style-type: none"> - Nitrogen dioxide 1-hour maximum levels at monitoring sites - Carbon monoxide 8-hour maximum levels at monitored sites
For more information	<p>Ministry for the Environment and Stats NZ. Environmental reporting on air. URL: https://www.mfe.govt.nz/air/state-of-our-air/environmental-reporting-air (accessed July 2019).</p>
References	<p>Ministry for the Environment and Stats NZ. 2018. <i>Our air 2018. Data to 2017</i>. Wellington: Ministry for the Environment.</p>