

Information topic	Details
Indicator name	<b>Nitrogen dioxide 1-hour maximum levels at monitoring stations</b>
Domain and topic	Air quality: Other air pollutants
Indicator definition and units	Maximum 1-hour levels of nitrogen dioxide at monitored sites. Exceedances occur when 1-hour mean concentrations of nitrogen dioxide are above the national short-term standard (Ministry for the Environment 2014) of 200µg/m <sup>3</sup> (nine exceedances per 12-month period allowed)
Data source	<ul style="list-style-type: none"> <li>- Ministry for the Environment</li> <li>- Statistics New Zealand</li> </ul>
Time period and time scale	Annual; from 2005 onward
Spatial coverage	All sites that were reported by Ministry for the Environment and Statistics New Zealand
Measures of frequency	Maximum 1-hour nitrogen dioxide levels at monitored sites: <i>currently not reported, as exceedances are very rare</i>
Limitations of indicator	<ul style="list-style-type: none"> <li>- Only sites that have nitrogen dioxide concentration monitored will be reported.</li> <li>- The population coverage of the monitoring sites is unknown, meaning a national representative level cannot be compiled.</li> </ul>
Limitations of data source	<ul style="list-style-type: none"> <li>- Not all monitoring sites have data for the whole time series</li> <li>- Some of the monitoring occurs at locations expected to have the highest concentrations (e.g. close to road traffic)</li> </ul>
Related indicators	<ul style="list-style-type: none"> <li>- Annual average PM<sub>10</sub> levels at monitoring stations</li> <li>- Exceedances of the daily national standard for PM<sub>10</sub>, including maximum PM<sub>10</sub> levels</li> <li>- Monitoring sites exceeding the WHO daily guideline for sulphur dioxide</li> <li>- Sulphur dioxide 1-hour maximum levels at monitored sites</li> <li>- Carbon monoxide 8-hour maximum levels at monitored sites</li> <li>- Number of motor vehicles in New Zealand, by type (including diesel)</li> <li>- Number of light vehicles per 1000 population</li> <li>- Average age of vehicle fleet</li> </ul>
Created by	Ministry for the Environment and Statistics New Zealand

<p>For more information</p>	<p>Ministry for the Environment. Environmental Reporting  <a href="http://www.mfe.govt.nz/publications/environmental-reporting/environment-aotearoa-2015">http://www.mfe.govt.nz/publications/environmental-reporting/environment-aotearoa-2015</a> (accessed March 2017)</p> <p>Statistics New Zealand. Environmental Reporting  <a href="http://www.stats.govt.nz/browse_for_stats/environment/environmental-reporting-series/environmental-indicators/Home.aspx">http://www.stats.govt.nz/browse_for_stats/environment/environmental-reporting-series/environmental-indicators/Home.aspx</a>          (accessed March 2017)</p>
<p>References</p>	<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>