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| **Indicator: 37** | **Annual mean nitrogen dioxide concentration at monitored urban roadside locations** |

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| **Responsible Statistician:** | Maire Brolly, Department of Agriculture, Environment and Rural Affairs |
| **Web Link to Statistical Publication:** | <https://www.daera-ni.gov.uk/articles/northern-ireland-environmental-statistics-report> |
| **Frequency of update:** | Annually in the NI Environmental Statistics Report  Note that prior to the 2017 Environmental Statistics Report, a different method and different number of sites were used to calculate the NI average therefore data in previous reports will not be consistent with the figures using PfG methodology presented below.  Data from monitoring sites (shown on a map) are available immediately (or as soon as possible)  at [www.airqualityni.co.uk](http://www.airqualityni.co.uk) |
| **Time lag:** | 5 months for annual results in ESR |
| **Data Source:** | Administrative |
| **National Statistics Status** | Official Statistics |
| **Quality Report:** | <https://www.daera-ni.gov.uk/sites/default/files/publications/daera/ni-environmental-statistics-user-information-2020.pdf> |
| **Historic Data available from:** | 2011 |
| **Time-series trend:** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | Annual mean concentration of nitrogen dioxide (NO₂), 2011-2019, for 10 urban roadside sites in NI | | | | | | | | | |  | |  | |  | | |  |  | |  |  | |  | |  | | |  | |  | |  | |  | | |  |  | |  | **2011** | **2012** | | **2013** | | **2014** | **2015** | | **2016** | | **2017** | | **2018** | | **2019** | | 10 urban roadside  Sites mean µg/m3 | 37.7 | 38.7 | | 36.7 | | 35.6 | 33.1 | | 35.5 | | 33.4 | | 33.5 | | 31.4 | | | | | | |  |  |  |  |  | |  |  |  |  |  | |  |  |  |  |  | |
| **For Survey Data**  **Sample size and confidence interval for the latest available year:** | Sample size: N/A  Confidence interval: N/A |
| **UK/RoI/International comparisons:** | UK: Yes  UK Regional: Yes  RoI: Yes  International (please specify countries): Yes, with Europe  Data are fully compatible with UK and EU reporting and monitoring standards (<http://uk-air.defra.gov.uk/>).  Please also see <http://uk-air.defra.gov.uk/air-pollution/uk-eu-limits> for air quality information on standards, objectives, target values and limit values. |
| **Issues in relation to this data, e.g. data limitations, future data availability, changes to methodology** | Data availability: Data is released annually in the NI Environmental Statistics Report. The next annual publication is due May 2021. Data from monitoring sites (shown on a map) are available immediately (or as soon as possible) at [www.airqualityni.co.uk](http://www.airqualityni.co.uk)  Data Limitations: The data presented for each air pollutant is generally an average of values for selected air pollution monitors (monitors are selected by type – e.g. ‘roadside’ or ‘urban’). These averages are useful for indicating trends across specific types of sites in the NI monitoring network; however, they can mask problems / exceedences at individual sites. Although the average value for a pollutant may be below an EU threshold, this does not mean that no sites in NI are experiencing exceedences. |
| **Is this measure being used to monitor performance against your current/latest Departmental/ Agency Plan** | The data are collected for the purpose of monitoring air quality; to assess levels of pollutants which are contained in the UK Air Quality Strategy and the EU Air Quality Directives. |
| **If yes, please specify any particular baseline point/year for the measure which is being for performance monitoring purposes** | N/A |

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| **Technical Assessment Panel** |  |
| **Baseline Year** | 2014 |
| **Criteria for reporting change from the baseline** | +/-1 μg/m3 |

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| **Available groupings\*** | **Yes/No** | **Notes** |
| **NI Level** | Yes |  |
| **Parliamentary Constituency level** | No |  |
| **Local Government District (2014) level** | No |  |
| **Deprivation Quintile** | No |  |
| **NISRA Geography Urban/Rural Measure** | No |  |
| **Gender** | No |  |
| **Age** | No |  |
| **Marital Status** | No |  |
| **Religion** | No |  |
| **Political Opinion** | No |  |
| **Disability** | No |  |
| **Dependants** | No |  |
| **Sexual Orientation** | No |  |
| **Racial Group** | No |  |
| **Lowest level geography at which the measure is available:** | Northern Ireland level | |

\* Due to confidentiality constraints, in some instances breakdowns may not be available due to small numbers