

# About this data – fixed broadband performance

For our [Connected Nations 2025 publication](#), 57 fixed broadband providers<sup>1</sup> submitted information on their active lines, i.e. connections that provide an active broadband service to residential or business customers, including access technology and upload and download speeds per connection. The data was collected as a snapshot for July 2025.

As in previous years, we provide information on average speeds for local and unitary authorities, Westminster parliamentary constituencies and census output areas. For the first time we also provide data for devolved constituencies. Note that since 2024 we no longer report on speeds at postcode level.

For local and unitary authorities, we also report on average monthly data usage per connection for all technologies and for full fibre.

Note that the figures provided here can be compared with the ones reported in 2024 but are not directly comparable with the ones from earlier years. Since last year we use maximum speeds as the basis for our analysis, whereas reports before 2024 used average speeds, and a different set of speed ranges to align with the interactive report. We also changed our methodology to derive monthly data usage, using aggregated data volumes measured at the Optical Line Terminal (OLT) or headend, whereas previously we collected data usage measurements on a per-line basis.

More details on the data collection and analysis can be found in the [Methodology Annex](#).

If you have any questions or feedback on the data, please contact us at us at [cndatateam@ofcom.org.uk](mailto:cndatateam@ofcom.org.uk).

We are providing this data on an open basis via the [Open Government Licence](#), which gives users various freedoms about how they choose to use the data, subject to conditions.

The files are provided as a Comma Separated Values file, with double quote (") text delimiters where applicable.

## Fixed broadband performance files

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We provide information on fixed broadband performance at four levels, taking into account both residential and business broadband connections:

1. Local and unitary authority (laua)
2. Westminster parliamentary constituency (pcon)
3. Devolved constituency (devcon)
4. Census output area<sup>2</sup> (oa)

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<sup>1</sup> See Section A2 in the Methodology Annex

<sup>2</sup> 2021 census for England, Northern Ireland and Wales, 2022 census for Scotland

| Level                                  | File name                               | Number of data rows | File size |
|----------------------------------------|-----------------------------------------|---------------------|-----------|
| Local and unitary authority            | 202507_fixed_performance_laua_r01.csv   | 361                 | 29 KB     |
| Westminster parliamentary constituency | 202507_fixed_performance_pcon_r01.csv   | 650                 | 49 KB     |
| Devolved constituency                  | 202507_fixed_performance_devcon_r01.csv | 131                 | 10 KB     |
| Census output area                     | 202507_fixed_performance_oa_r01.csv     | 238,864             | 11.7 MB   |

We only include output areas with speed information for at least five lines.

The table below provides a combined view of the fields in the different files. The second column shows in which files a field is present.

## Column headers and what they represent

| Field                                                                   | In files (level) | Description                                                                                                                                                                                               |
|-------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| laua                                                                    | laua             | Local or unitary authority code, such as N09000011                                                                                                                                                        |
| laua_name                                                               | laua             | Local or unitary authority name                                                                                                                                                                           |
| parl_const                                                              | pcon             | Westminster parliamentary constituency code, such as E14001592                                                                                                                                            |
| parl_const_name                                                         | pcon             | Westminster parliamentary constituency name                                                                                                                                                               |
| devolved_const                                                          | devcon           | Devolved constituency code, such as W09000022                                                                                                                                                             |
| devolved_const_name                                                     | devcon           | Devolved constituency name                                                                                                                                                                                |
| output_area                                                             | oa               | Census output area, such as S00135317                                                                                                                                                                     |
| Average max download speed (Mbit/s) for lines <10Mbit/s<br>(Note 1)     | all              | Average maximum download speed (in Mbit/s) across all connections that deliver a maximum download speed of less than 10 Mbit/s                                                                            |
| Average max download speed (Mbit/s) for lines [X]<[Y]Mbit/s<br>(Note 1) | all              | Average maximum download speed (in Mbit/s) across all connections that deliver a maximum download speed of at least X but less than Y Mbit/s, with (X, Y) = (10, 30), (30, 100), (100, 300) or (300, 900) |

| Field                                                                                           | In files (level) | Description                                                                                                                                                                                             |
|-------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Average max download speed (Mbit/s) for lines <math>\geq 900</math> Mbit/s</b><br>(Note 1)   | all              | Average maximum download speed (in Mbit/s) across all connections that deliver a maximum download speed of at least 900 Mbit/s                                                                          |
| <b>Average max upload speed (Mbit/s) for lines <math>&lt; 10</math> Mbit/s</b><br>(Note 2)      | all              | Average maximum upload speed (in Mbit/s) over all connections that deliver a maximum download speed less than 10 Mbit/s                                                                                 |
| <b>Average max upload speed (Mbit/s) for lines <math>[X] &lt; [Y]</math> Mbit/s</b><br>(Note 2) | all              | Average maximum upload speed (in Mbit/s) across all connections that deliver a maximum download speed of at least X but less than Y Mbit/s, with (X, Y) = (10, 30), (30, 100), (100, 300) or (300, 900) |
| <b>Average max download speed (Mbit/s) for lines <math>\geq 900</math> Mbit/s</b><br>(Note 2)   | all              | Average maximum upload speed (in Mbit/s) across all connections that deliver a maximum download speed of at least 900 Mbit/s                                                                            |
| <b>Average monthly data usage (GB) per connection (all technologies)</b>                        | laua             | Average monthly data usage (download plus upload, in GB) across all fixed broadband connections (using any technology)                                                                                  |
| <b>Average monthly data usage (GB) per full-fibre connection</b>                                | laua             | Average monthly data usage (download plus upload, in GB) across all full-fibre connections                                                                                                              |

Notes:

1. Average max download speeds are rounded to one decimal for lines  $< 10$  Mbit/s and  $10 < 30$  Mbit/s, and to the nearest integer for the other speed ranges.
2. Average max upload speeds are rounded to one decimal for lines  $< 10$  Mbit/s,  $10 < 30$  Mbit/s and  $30 < 100$  Mbit/s, and to the nearest integer for the other speed ranges.