# About this data: Fixed performance, Postcode unit area

To create our Connected Nations 2022 report, Ofcom collected and analysed data from fixed broadband providers. This file contains broadband performance data at postcode level.

The data was collected as a snapshot in May 2022 and includes information based on the number of connections providing an active broadband service, as opposed to individual premises. Our methodology provides details of our approach to collecting and analysing performance data.

Due to variations in broadband performance over time, the file should not be regarded as a definitive and fixed view of the UK's fixed broadband infrastructure. However, the information provided in this file may be useful in identifying variations in broadband availability.

If you have any questions or feedback on the data, please contact us at open.data@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.

### Revision note

[8 Feb 2023] – Corrected an error in the average data usage figures quoted on a 'per line-speed' basis.

## Performance data

Due to privacy concerns, we have not presented the information in postcodes with less than four broadband connections. Where we have excluded the data for this reason, we have substituted the data with a null value. Postcodes for which the total number of records was not greater than four were entirely excluded.

File name: 202205_fixed_pc_performance_r02_xx.csv where xx defines postcode area

Total number of files: 121 (one for each postcode area in the UK)

Total number of records across all files: 1 header row, 1,192,227 data rows

Combined file size: 131 MB

**Column headers and what they represent:**

| Current headers | Note |
| --- | --- |
| **postcode** | Postcode with spaces removed, such as SE19HA |
| **postcode_space** | Postcode with single space, such as SE1 9HA |
| **postcode area** | Postcode area, such as SE |
| **Median download speed (Mbit/s)** | Median download speed (in Mbit/s) of all connections |
| **Average download speed (Mbit/s)** | Average download speed (in Mbit/s) of all connections |
| **Maximum download speed (Mbit/s)** | Maximum download speed (in Mbit/s) of all connections |
| **Average download speed (Mbit/s) for lines < 10Mbit/s** | Average download speed (in Mbit/s) of all connections that deliver speed less than 10Mbit/s |
| **Average download speed (Mbit/s) for lines 10<30Mbit/s** | Average download speed (in Mbit/s) of all connections that deliver speeds of 10Mbit/s or higher and less than 30Mbit/s |
| **Average download speed (Mbit/s) for lines 30<300Mbit/s** | Average download speed (in Mbit/s) of all connections that deliver speeds of 30Mbit/s to less than 300Mbit/s |
| **Average download speed (Mbit/s) for SFBB lines** | Average download speed (in Mbit/s) of all connections that deliver speeds of 30Mbit/s or greater |
| **Average download speed (Mbit/s) for UFBB lines** | Average download speed (in Mbit/s) of all connections that deliver speeds of 300Mbit/s or greater |

| | |
|---|---|
| **Median upload speed (Mbit/s)** | Median upload speed (in Mbit/s) of all connections |
| **Average upload speed (Mbit/s)** | Average upload speed (in Mbit/s) of all connections |
| **Maximum upload speed (Mbit/s)** | Maximum upload speed (in Mbit/s) of all connections |
| **Average upload speed (Mbit/s) for lines < 10Mbit/s** | Average upload speed (in Mbit/s) of all connections that deliver speed less than 10Mbit/s |
| **Average upload speed (Mbit/s) for lines 10<30Mbit/s** | Average upload speed (in Mbit/s) of all connections that deliver speed less than 30Mbit/s |
| **Average upload speed (Mbit/s) for lines 30<300Mbit/s** | Average upload speed (in Mbit/s) of all connections that deliver speed of 30Mbit/s to less than 300Mbit/s |
| **Average upload speed (Mbit/s) for SFBB lines** | Average upload speed (in Mbit/s) of all connections that deliver speeds of 30Mbit/s or greater |
| **Average upload speed (Mbit/s) for UFBB lines** | Average upload speed (in Mbit/s) of all connections that deliver speeds of 300Mbit/s or greater |
| **Number of connections < 2 Mbit/s (number of lines)** | Count of connections that have average measured speeds below 2Mbit/s |
| **Number of connections 2<5 Mbit/s (number of lines)** | Count of connections that have average measured speeds of 2Mbit/s or greater and below 5Mbit/s |
| **Number of connections 5<10 Mbit/s (number of lines)** | Count of connections that have average measured speeds of 5Mbit/s or greater and below 10Mbit/s |
| **Number of connections 10<30 Mbit/s (number of lines)** | Count of connections that have average measured speeds of 10Mbit/s or greater and below 30Mbit/s |
| **Number of connections 30<300 Mbit/s (number of lines)** | Count of connections that have average measured speeds of 30Mbit/s or greater and below 300Mbit/s |
| **Number of connections >= 300 Mbit/s (number of lines)** | Count of connections that have average measured speeds of 300Mbit/s or greater |
| **Number of connections >= 30 Mbit/s (number of lines)** | Count of connections that have average measured speeds of 30Mbit/s or greater |
| **Average data usage (GB)** | Average data usage, download and upload, in GB of all connections |

| | |
|---|---|
| **Median data usage (GB)** | Median data usage, download and upload, in GB of all connections |
| **Average data usage (GB) for lines <10Mbit/s** | Average data usage, download and upload, in GB of all connections that deliver speed less than 10Mbit/s |
| **Average data usage (GB) for lines 10<30Mbit/s** | Average data usage, download and upload, in GB of all connections that deliver speed less than 30Mbit/s |
| **Average data usage (GB) for lines 30<300Mbit/s** | Average data usage, download and upload, in GB of all connections that deliver speed of 30Mbit/s and higher and less than 300Mbit/s |
| **Average data usage (GB) for SFBB lines** | Average data usage, download and upload, in GB of all connections that deliver speeds of 30Mbit/s or greater |
| **Average data usage (GB) for UFBB lines** | Average data usage, download and upload, in GB of all connections that deliver speeds of 300Mbit/s or greater |