About this data: Fixed performance, 2011 Census output area

To create our Connected Nations Report (https://www.ofcom.org.uk/research-and-data/multi-sector-research/infrastructure-research/connected-nations-2020) Ofcom collected and analysed data from fixed telecoms operators. This file contains broadband coverage availability and performance data from operators. The availability data also includes coverage information provided by alternative network providers. Further information can be found in the Connected Nations Methodology (https://www.ofcom.org.uk/research-and-data/multi-sector-research/infrastructure-research/connected-nations-2020/methodology).

The performance data was collected as a snapshot in June 2020 and includes information based on the number of connections providing an active broadband service, as opposed to individual premises.

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.

As a result of the different timing points for these data sets, the files have now been split into coverage availability and performance.

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 (https://www.nationalarchives.gov.uk/doc/open-government-licence/version/3/) 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

16 Sep 2021: Release 2 correction to units reported in Data usage fields. These were incorrectly calculated as Terabyte values when the label stated Gigabytes. These are now correctly displayed as Gigabyte units of measurement.

Performance data

File name: 202006_fixed_oa11_performance_r02.csv

Total records in file: 1 header row, 231,897 data rows

File size on disk: 27.1 MB (28,516,352 bytes)

Column headers and what they represent:

Current headers	Note
output_area	Census output area
Median upload speed (Mbit/s)	Median upload speed (in Mbit/s) of all connections
Median download speed (Mbit/s)	Median download speed (in Mbit/s) of all connections
Median data usage (GB)	Median data usage, download and upload, in GB of all connections
Average upload speed (Mbit/s) for lines 30<300Mbit/s	Average upload speed (in Mbit/s) of all connections that deliver speeds 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
Average upload speed (Mbit/s) for lines 10<30Mbit/s	Average upload speed (in Mbit/s) of all connections that deliver speeds of 10Mbit/s or higher and less than 30Mbit/s
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)	Average upload speed (in Mbit/s) of all connections
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 higher

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
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 < 10Mbit/s	Average download speed (in Mbit/s) of all connections that deliver speed less than 10Mbit/s
Average download speed (Mbit/s)	Average download speed (in Mbit/s) of all connections
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
Average data usage (GB) for lines 30<300Mbit/s	Average data usage, download and upload, in GB of all connections that deliver speeds of 30Mbit/s or higher and less than 300Mbit/s
Average data usage (GB) for lines 10<30Mbit/s	Average data usage, download and upload, in GB of all connections that deliver speeds of 10Mbit/s or higher and less than 30Mbit/s
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)	Average data usage, download and upload, in GB of all connections
Maximum upload speed (Mbit/s)	Maximum upload speed (in Mbit/s) of all connections
Maximum download speed (Mbit/s)	Maximum download speed (in Mbit/s) of all connections
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 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 >= 30 Mbit/s (number of lines)	Count of connections that have average measured speeds of 30Mbit/s or greater
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 < 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 10<30 Mbit/s (number of lines)	Count of connections that have average measured speeds of 10Mbit/s or greater and below 30Mbit/s