

About this data: Fixed postcode

Revised 11th January 2018. A number of connections had been excluded from locations in the East Riding and Kingston upon Hull. These have been corrected.

To create our Connected Nations Report 2017 Ofcom collected and analysed data from major fixed telecoms operators (BT, Virgin Media, Sky, Talk Talk, Vodafone and KCOM). This file contains broadband coverage and broadband speed data, including information on consumers' connection speed, from the operators, aggregated at postcode level. The availability data also includes coverage information provided by alternative network providers (B4RN, BU-UK, City Fibre, Gigaclear, Hyperoptic, ITS and Relish).

The coverage data was collected as a snapshot in May 2017. The capacity data was collected over the month of June 2017.

This data should be viewed alongside the Connected Nations Report 2017 and methodology document, which summarise our approach to the data analysis and details how each of the metrics have been defined.

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 performance by local authority and the impact of superfast broadband on overall broadband performance.

Due to privacy concerns we have not presented the information in geographic areas with fewer than four broadband connections. Where we have excluded the data for this reason, we have substituted the data with N/A to denote this.

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

File Format

The file is provided as a Comma Separate Values file, with double quote (") text delimiters where applicable.

File name: 2017_fixed_pc_r02.csv

Total files in compressed folder: 121 files, for each postcode area in the UK

Total records across all files: 1 header row, 1,616,850 data rows

File size on disk (compressed): 50.2 MB (52,711,424 bytes)

File size on disk (uncompressed): 213 MB (223,420,416 bytes)

Column headers and what they represent:

Current headers	Note
postcode	Postcode with spaces removed, such as SE19HA
postcode_spaces	Postcode with single space, such as SE1 9HA
postcode area	Postcode area, such as SE
SFBB availability (% premises)	Percentage of premises that have Superfast Broadband (30Mbit/s to less than 300Mbit/s) coverage

Current headers	Note
UFBB availability (% premises)	Percentage of premises that have Ultrafast Broadband (300Mbit/s or greater) coverage
FTTP availability (% premises)	Percentage of premises that have coverage from a full fibre service
% of premises unable to receive 2Mbit/s	Percentage of premises that do not have access to services above 2Mbit/s
% of premises unable to receive 5Mbit/s	Percentage of premises that do not have access to services above 5Mbit/s
% of premises unable to receive 10Mbit/s	Percentage of premises that do not have access to services above 10Mbit/s
% of premises unable to receive 30Mbit/s	Percentage of premises that do not have access to services above 30Mbit/s
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
Minimum download speed (Mbit/s)	Minimum 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 Basic BB lines	Average download speed (in Mbit/s) of all connections that deliver speed less than 30Mbit/s
Average download speed (Mbit/s) for SFBB lines	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 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
Minimum upload speed (Mbit/s)	Minimum 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 Basic BB lines	Average upload speed (in Mbit/s) of all connections that deliver speed less than 30Mbit/s
Average upload speed (Mbit/s) for SFBB lines	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 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

Current headers	Note
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 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
Average data usage (GB)	Average 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 Basic BB lines	Average data usage, download and upload, in GB of all connections that deliver speed less than 30Mbit/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