About this data: Fixed coverage, Postcode unit

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 coverage availability was collected as a snapshot in September 2020. The previous May 2020 data set is available at https://www.ofcom.org.uk/research-and-data/multi-sector-research/infrastructure-research/connected-nations-update-summer-2020.

The definition for full fibre coverage has been changed. From Sept 2018 it represents where the network has been rolled out to a "lead-in" that will serve the consumer end premise and where the consumer would expect to pay a standard installation charge for that connection.

Gigabit capable coverage has been introduced, which includes all Full Fibre coverage, and all Coaxial coverage using Docsis 3.1 that has been identified as delivering download speeds up to 1 Gbit/s. However, due to commercial confidentiality, Full Fibre coverage has been removed from this data set.

Due to changes in the collection of information from Wireless Internet Service Providers on Fixed Wireless Access (FWA) coverage, it is no longer possible to identify superfast coverage from FWA provision.

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.

Coverage availability

File name: 202009_fixed_pc_coverage_r01_xx.csv where xx defines Postcode area

Total files in folder 202009_fixed_pc_coverage_r01: 121 files, for each postcode area in the UK

Total records across all files: 1 header row, 1,682,937 data rows

File size on disk: 154 MB (162,152,448 bytes)

Coverage availability for residential premises

File name: 202009_fixed_pc_res_coverage_r01_xx.csv where xx defines Postcode area

Total files in folder 202009_fixed_pc_res_coverage_r01: 121 files, for each postcode area in the UK

Total records across all files: 1 header row, 1,555,300 data rows

File size on disk: 143 MB (150,163,456 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
% of premises with 30<300Mbit/s download speed	From fixed broadband
% of premises with >=300Mbit/s download speed	From fixed broadband
% of premises with 0<2Mbit/s download speed	From fixed broadband
% of premises with 2<5Mbit/s download speed	From fixed broadband
% of premises with 5<10Mbit/s download speed	From fixed broadband
% of premises with 10<30Mbit/s download speed	From fixed broadband

Current headers	Note
SFBB availability (% premises)	Percentage of premises that have Superfast Broadband (30Mbit/s or greater) coverage from fixed broadband
UFBB (100Mbit/s) availability (% premises)	Percentage of premises that have Ultrafast Broadband (100Mbit/s or greater) coverage from fixed broadband
UFBB availability (% premises)	Percentage of premises that have Ultrafast Broadband (300Mbit/s or greater) coverage from fixed broadband
~~Full Fibre availability (% premises)~~	~~Percentage of premises that have coverage from a full fibre service from fixed broadband~~
Gigabit availability (% premises)	Percentage of premises that have coverage from a Gigabit capable service from fixed broadband
% of premises unable to receive 2Mbit/s	Percentage of premises that do not have access to services above 2Mbit/s from fixed broadband
% of premises unable to receive 5Mbit/s	Percentage of premises that do not have access to services above 5Mbit/s from fixed broadband
% of premises unable to receive 10Mbit/s	Percentage of premises that do not have access to services above 10Mbit/s from fixed broadband
% of premises unable to receive 30Mbit/s	Percentage of premises that do not have access to services above 30Mbit/s from fixed broadband
% of premises below the USO	Percentage of premises that do not have access to download speeds at or above 10Mbit/s and upload speeds at or above 1Mbit/s including non-matched records and zero predicted speeds from fixed broadband, WISPs and Mobile FWA
% of premises with NGA	Percentage of premises with Next Generation Access from fixed broadband
% of premises able to receive decent broadband from FWA	Percentage of premises with Decent Broadband from WISPs
~~% of premises able to receive SFBB from FWA~~	~~Percentage of premises with Superfast Broadband (30Mbit/s or above) from WISPs~~