

About this data: Fixed coverage and full fibre take-up

To create the Connected Nations Spring 2025 update, Ofcom collected and analysed coverage data from nearly 70 fixed network and fixed wireless access (FWA) providers, which are listed in Section A2 of the Methodology annex to our [Connected Nations 2024 report](#). The data was collected as a snapshot for January 2025.

In addition, we asked all fixed broadband providers to submit data on their active full-fibre lines, i.e. connections that provide an active broadband service to residential or business customers, as per January 2025. We report on take-up of full-fibre broadband for local and unitary authorities. Information on the take-up of full fibre broadband for UK and Nations can be found in the summary tables published as part of this update.

Ofcom uses the [Ordnance Survey AddressBase®](#) Premium and Islands products to provide the base dataset used to assess broadband coverage for residential and commercial premises. For this snapshot Epoch 115 was used. The Methodology annex provides more details of the construction of the premise base and our approach to data collection and analysis.

If you have any questions or feedback on the data, please contact us at 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 Comma Separated Values files, with double quote (") text delimiters where applicable.

Fixed coverage file for UK and Nations

This file contains all data points for the latest snapshot provided in the Speed and Time tables on pages 8 and 9 of the accompanying interactive report.

File name	Number of data rows	File size
202501_fixed_coverage_UK_and_Nations_r01.csv	495	28 KB

Column headers and what they represent:

Field	Values	Description
Location	UK, England, Northern Ireland, Scotland, Wales	
Premise type	All, Residential, Commercial	

Field	Values	Description
Rurality	Total, Urban, Rural	
Speed	Premise Base, Unclassified, <2 Mbit/s, <10 Mbit/s DL or <1 Mbit/s UL, >=10 Mbit/s, >=24 Mbit/s, >=30 Mbit/s, >= 100 Mbit/s, >=300 Mbit/s, Full Fibre, Gigabit capable	
% Premises		Percentage of premises covered
Premises		Number of premises covered
Date	Jan-25	Date of snapshot (Mon-YY)

Full fibre take-up for Local and Unitary Authorities

The take-up is based on both residential and business full-fibre broadband connections.

File name	Number of data rows	File size
202501_full_fibre_take-up_laua_r01.csv	361	11 KB

Column headers and what they represent:

Field	Description
laua	Local and Unitary Authority Code, such as S12000033
laua_name	Local and Unitary Authority Name
Full-fibre take-up (% of full-fibre coverage)	Take-up of broadband services on full-fibre networks as a percentage of all premises with full-fibre coverage as per January 2025 (Notes 1 and 2)
Full-fibre take-up (% of all premises)	Take-up of broadband services on full-fibre networks as a percentage of all premises in the local authority as per January 2025 (Note 1)

Notes

1. The number of premises with full-fibre coverage and the total number of premises in the local authority as per January 2025 can be found in the accompanying data file on fixed coverage for local authorities (all premises).

- For some local authorities, full-fibre take-up as a percentage of full-fibre coverage has decreased since last year. This reflects a greater increase in full-fibre coverage than in take-up, as the number of active full-fibre connections has increased in all these local authorities. When full fibre is rolled out, it may take a while before consumers become aware of availability or they may need to wait until their existing service contract ends before they can migrate to a new service (see also Table 2.5 in the main Connected Nations 2024 report).

Other fixed coverage files

We provide information on fixed broadband coverage and broadband availability from Fixed Wireless Access (FWA) at four levels:

- Local and Unitary Authority
- Parliamentary Constituency
- Census Output Area (2021 Census for England, Northern Ireland and Wales, 2022 Census for Scotland)
- Postcode

At each level information is provided for all premises (residential and commercial) and for residential premises only.

Level	File name	Premises	Number of data rows	File size
Local and Unitary Authority (laua)	202501_fixed_laua_coverage_r01.csv	All	361	70 KB
	202501_fixed_laua_res_coverage_r01.csv	Residential	361	69 KB
Parliamentary Constituency (pcon)	202501_fixed_pcon_coverage_r01.csv	All	650	124 KB
	202501_fixed_pcon_res_coverage_r01.csv	Residential	650	123 KB
Census Output Area (oa)	202501_fixed_oa_coverage_r01.csv	All	238,867	26 MB
	202501_fixed_oa_res_coverage_r01.csv	Residential	238,840	26 MB
Postcode (pc)	121 files in the folder 'postcode_files', one for each postcode area defined by xx: 202501_fixed_postcode_coverage_r01_xx.csv	All	1,734,253	161 MB
	121 files in the folder 'postcode_res_files', one for each postcode area defined by xx: 202501_fixed_postcode_res_coverage_r01_xx.csv	Residential	1,598,958	149 MB

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, referring to the levels in the above table (laua, pcon, oa and pc). The fields may be in a different order than the one shown below.

For census output area and postcode, we report on gigabit-capable coverage but not on full-fibre coverage due to commercial confidentiality.

All coverage figures refer to fixed line broadband only except for the fields where FWA is explicitly mentioned in the description.

Column headers and what they represent:

Field	In files (level)	Description
laua	laua	Local or Unitary Authority Code, such as S12000033
laua_name	laua	Local or Unitary Authority Name
parl_const	pcon	Parliamentary Constituency Code, such as N05000018
parliamentary_constituency_name	pcon	Parliamentary Constituency Name
output_area	oa	Census Output Area, such as W00010697
postcode	pc	Postcode with spaces removed, such as SE19HA
postcode_space	pc	Postcode with single space, such as SE1 9HA
postcode area	pc	Postcode area, such as SE
All Premises	laua, pcon, oa	Count of all premises in scope for the location
All Matched Premises	laua, pcon, oa	Count of all premises matched to operator records with a non-zero recorded fixed broadband coverage. Unmatched premises are unclassified
SFBB availability (% premises)	All	Percentage of premises that have Superfast Broadband (30 Mbit/s or greater) coverage
UFBB (100Mbit/s) availability (% premises)	All	Percentage of premises that have Ultrafast Broadband (100 Mbit/s or greater) coverage
UFBB availability (% premises)	All	Percentage of premises that have Ultrafast Broadband (300 Mbit/s or greater) coverage

Field	In files (level)	Description
Full Fibre availability (% premises)	laua, pcon	Percentage of premises that have coverage from a full-fibre service
Gigabit availability (% premises)	All	Percentage of premises that have coverage from a gigabit-capable service
Number of premises with SFBB availability	laua, pcon, oa	Number of premises that have Superfast Broadband (30 Mbit/s or greater) coverage
Number of premises with UFBB (100Mbit/s) availability	laua, pcon, oa	Number of premises that have Ultrafast Broadband (100 Mbit/s or greater) coverage
Number of premises with UFBB availability	laua, pcon, oa	Number of premises that have Ultrafast Broadband (300 Mbit/s or greater) coverage
Number of premises with Full Fibre availability	laua, pcon	Number of premises that have coverage from a full-fibre service
Number of premises with Gigabit availability	laua, pcon, oa	Number of premises that have coverage from a gigabit-capable service
% of premises unable to receive [X]Mbit/s	All	Percentage of premises that do not have access to services above X Mbit/s, where X = 2, 5, 10 or 30
% of premises below the USO	All	Percentage of premises with no access to download speeds at or above 10 Mbit/s and upload speeds at or above 1 Mbit/s from fixed broadband or a Wireless Internet Service Provider (WISP) or Mobile FWA (including non-matched records and zero predicted speeds)
% of premises with NGA	All	Percentage of premises with Next Generation Access
% of premises able to receive decent broadband from FWA	All	Percentage of premises that have access to Decent Broadband (at least 10 Mbit/s download and 1 Mbit/s upload speed) from a WISP
Number of premises unable to receive [X]Mbit/s	laua, pcon, oa	Number of premises that do not have access to services above X Mbit/s, where X = 2, 5, 10 or 30

Field	In files (level)	Description
Number of premises below the USO	laua, pcon, oa	Number of premises that do not have access to download speeds at or above 10 Mbit/s and upload speeds at or above 1 Mbit/s from fixed broadband or a WISP or Mobile FWA (including non-matched records and zero predicted speeds)
Number of premises with NGA	laua, pcon, oa	Number of premises with Next Generation Access
Number of premises able to receive decent broadband from FWA	laua, pcon, oa	Number of premises that have access to Decent Broadband (at least 10 Mbit/s download and 1 Mbit/s upload speed) from a WISP
% of premises with [X]<[Y]Mbit/s download speed	All	Percentage of premises that have access to a maximum download speed between X and Y Mbit/s, with (X, Y) = (0, 2), (2, 5), (5, 10), (10, 30) or (30, 300)
% of premises with >=300Mbit/s download speed	All	Percentage of premises that have access to a maximum download speed of at least 300 Mbit/s
Number of premises with [X]<[Y]Mbit/s download speed	laua, pcon, oa	Number of premises that have access to a maximum download speed between X and Y Mbit/s, with (X, Y) = (0, 2), (2, 5), (5, 10), (10, 30) or (30, 300)
Number of premises with >=300Mbit/s download speed	laua, pcon, oa	Number of premises that have access to a maximum download speed of at least 300 Mbit/s