

About this data: Fixed coverage, 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) (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 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) (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 May 2021. The previous [January 2021](https://www.ofcom.org.uk/research-and-data/multi-sector-research/infrastructure-research/connected-nations-update-spring-2021) data set is available at https://www.ofcom.org.uk/research-and-data/multi-sector-research/infrastructure-research/connected-nations-update-spring-2021.

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 was introduced in the Connected Nations 2020 report, 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 was removed from these data tables.

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/) (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: 202105_fixed_oa11_coverage_r01.csv

Total records in file: 1 header row, 231,883 data rows

File size: 30.4 MB (31,941,720 byte)

Coverage availability for residential premises

File name: 202105_fixed_oa11_res_coverage_r01.csv

Total records in file: 1 header row, 231,837 data rows

File size: 30.4 MB (31,950,496 bytes)

Column headers and what they represent:

Current headers	Note
output_area	Census output area
All premises	Count of all premises, in scope, based on Ordnance Survey AddressBase® Premium Epoch 81
All matched premises	Count of all premises matched to operator records with a non-zero recorded coverage. Unmatched premises are unclassified
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 Gigabit capable services 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

Current headers	Note
% 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
Number of premises with SFBB availability	Number of premises that have Superfast Broadband (30Mbit/s or greater) coverage from fixed broadband
Number of premises with UFBB (100Mbit/s) availability	Number of premises that have Ultrafast Broadband (100Mbit/s or greater) coverage from fixed broadband
Number of premises with UFBB availability	Number of premises that have Ultrafast Broadband (300Mbit/s or greater) coverage from fixed broadband
Number of premises with Full Fibre availability	Number of premises that have coverage from a Full Fibre service from fixed broadband
Number of premises with Gigabit availability	Number of premises that have Gigabit capable services from fixed broadband
Number of premises unable to receive 2Mbit/s	Number of premises that do not have access to services above 2Mbit/s from fixed broadband
Number of premises unable to receive 5Mbit/s	Number of premises that do not have access to services above 5Mbit/s from fixed broadband
Number of premises unable to receive 10Mbit/s	Number of premises that do not have access to services above 10Mbit/s from fixed broadband
Number of premises unable to receive 30Mbit/s	Number of premises that do not have access to services above 30Mbit/s from fixed broadband
Number of premises below the USO	Number of premises that do not have access to download speeds at or above 10Mbit/s and upload speeds at or above

Current headers	Note
	1Mbit/s including non-matched records and zero predicted speeds from fixed broadband, WISPs and Mobile FWA
Number of premises with NGA	Number of premises with Next Generation Access from fixed broadband
Number of premises with decent broadband from FWA	Number of premises with Decent Broadband from WISPs
Number of premises with 30<300Mbit/s download speed	From fixed broadband
Number of premises with >=300Mbit/s download speed	From fixed broadband
Number of premises with 0<2Mbit/s download speed	From fixed broadband
Number of premises with 2<5Mbit/s download speed	From fixed broadband
Number of premises with 5<10Mbit/s download speed	From fixed broadband
Number of premises with 10<30Mbit/s download speed	From fixed broadband
% 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