About this data: Fixed coverage, Census Output Area

To create our [Connected Nations 2023 report](#), Ofcom collected and analysed data from over 70 fixed network and fixed wireless access (FWA) providers. This file provides information on fixed broadband coverage and broadband availability from FWA at Census Output Area level. For England, Wales and Northern Ireland the 2021 Census Output Areas[1] are used, whereas the 2011 Census Output Areas are used for Scotland.

The coverage availability was collected as a snapshot in September 2023. The [Methodology Annex](#) provides details of our approach to collecting and analysing coverage data.

We report on gigabit-capable coverage but not on full-fibre coverage due to commercial confidentiality.

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](#), 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.

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[1] For Northern Ireland we use the 3,780 Data Zones - see https://www.nisra.gov.uk/support/geography/data-zones-census-2021

Coverage availability

Coverage availability for all premises

File name: 202309_fixed_oa_coverage_r01.csv

Total records in file: 1 header row, 238,656 data rows

File size: 31.6 MB

Coverage availability for residential premises

File name: 202309_fixed_oa_res_coverage_r01.csv

Total records in file: 1 header row, 238,623 data rows

File size: 31.6 MB

Column headers and what they represent:

Field	Note
output_area	Census Output Area (2021 Census OAs for England, Wales and Northern Ireland, 2011 Census OAs for Scotland)
All Premises	Count of all premises, in scope, based on Ordnance Survey AddressBase® Premium Epoch 104
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
% 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

Field	Note
Gigabit availability (% premises)	Percentage of premises that have Gigabit capable services 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 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	Percentage of premises with Next Generation Access from fixed broadband
% of premises able to receive decent broadband from FWA	Percentage of premises that have access to Decent Broadband (at least 10Mbit/s download and 1Mbit/s upload speed) from a WISP
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 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 with Gigabit availability	Number of premises that have Gigabit capable services from fixed broadband

Field	Note
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 1Mbit/s from fixed broadband or a WISP or Mobile FWA (including non-matched records and zero predicted speeds)
Number of premises with NGA	Number of premises with Next Generation Access from fixed broadband
Number of premises able to receive decent broadband from FWA	Number of premises that have access to Decent Broadband (at least 10Mbit/s download and 1Mbit/s upload speed) from a WISP
% 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
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

Field	Note
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