

## About this data: Fixed coverage, Census Output Area

To create our [Connected Nations 2022 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 and Wales the 2021 Census Output Areas are used, whereas the 2011 Census Output Areas are used for Scotland and Northern Ireland.

The coverage availability was collected as a snapshot in September 2022. [Our methodology](#) provides details of our approach to collecting and analysing coverage data.

Gigabit-capable coverage was introduced in the Connected Nations 2020 report and includes all coverage from full fibre networks and upgraded cable networks that are capable of delivering download speeds of 1 Gbit/s or higher. Since its introduction, we no longer report on full fibre coverage due to commercial confidentiality.

Also, since the Connected Nations 2020 report, it is no longer possible to identify superfast coverage from FWA provision, due to changes in the collection of coverage information from Wireless Internet Service Providers (WISPs). Hence, we only report on the availability of decent broadband (at least 10Mbit/s downstream and 1Mbit/s upstream speeds) from FWA.

If you have any questions or feedback on the data, please contact us at [open.data@ofcom.org.uk](mailto: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.

### Revision note

[8 Feb 2023] – Since the report was published on 15 December 2022, we have identified additional premises that should have been reported as covered by full fibre and gigabit-capable networks.

## Coverage availability

### Coverage availability for all premises

File name: 202209\_fixed\_oa\_coverage\_r02.csv

Total records in file: 1 header row, 239,414 data rows

File size: 31.8 MB

### Coverage availability for residential premises

File name: 202209\_fixed\_oa\_res\_coverage\_r02.csv

Total records in file: 1 header row, 239,377 data rows

File size: 31.8 MB

### Column headers and what they represent:

Current headers	Note
<b>output_area</b>	Census Output Area (2021 Census OAs for England and Wales, 2011 Census OAs for Northern Ireland and Scotland)
<b>All Premises</b>	Count of all premises, in scope, based on Ordnance Survey AddressBase® Premium Epoch 96
<b>All Matched Premises</b>	Count of all premises matched to operator records with a non-zero recorded coverage. Unmatched premises are unclassified
<b>SFBB availability (% premises)</b>	Percentage of premises that have Superfast Broadband (30Mbit/s or greater) coverage from fixed broadband
<b>UFBB (100Mbit/s) availability (% premises)</b>	Percentage of premises that have Ultrafast Broadband (100Mbit/s or greater) coverage from fixed broadband
<b>UFBB availability (% premises)</b>	Percentage of premises that have Ultrafast Broadband (300Mbit/s or greater) coverage from fixed broadband
<b>% of premises unable to receive 2Mbit/s</b>	Percentage of premises that do not have access to services above 2Mbit/s from fixed broadband
<b>% of premises unable to receive 5Mbit/s</b>	Percentage of premises that do not have access to services above 5Mbit/s from fixed broadband
<b>% of premises unable to receive 10Mbit/s</b>	Percentage of premises that do not have access to services above 10Mbit/s from fixed broadband

<b>% of premises unable to receive 30Mbit/s</b>	Percentage of premises that do not have access to services above 30Mbit/s from fixed broadband
<b>Gigabit availability (% premises)</b>	Percentage of premises that have Gigabit capable services from fixed broadband
<b>% of premises below the USO</b>	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 WISP or Mobile FWA (including non-matched records and zero predicted speeds)
<b>% of premises with NGA</b>	Percentage of premises with Next Generation Access from fixed broadband
<b>% of premises able to receive decent broadband from FWA</b>	Percentage of premises that have access to Decent Broadband (at least 10Mbit/s download and 1Mbit/s upload speed) from a WISP or Mobile FWA
<b>Number of premises with SFBB availability</b>	Number of premises that have Superfast Broadband (30Mbit/s or greater) coverage from fixed broadband
<b>Number of premises with UFBB (100Mbit/s) availability</b>	Number of premises that have Ultrafast Broadband (100Mbit/s or greater) coverage from fixed broadband
<b>Number of premises with UFBB availability</b>	Number of premises that have Ultrafast Broadband (300Mbit/s or greater) coverage from fixed broadband
<b>Number of premises unable to receive 2Mbit/s</b>	Number of premises that do not have access to services above 2Mbit/s from fixed broadband
<b>Number of premises unable to receive 5Mbit/s</b>	Number of premises that do not have access to services above 5Mbit/s from fixed broadband
<b>Number of premises unable to receive 10Mbit/s</b>	Number of premises that do not have access to services above 10Mbit/s from fixed broadband
<b>Number of premises unable to receive 30Mbit/s</b>	Number of premises that do not have access to services above 30Mbit/s from fixed broadband
<b>Number of premises with Gigabit availability</b>	Number of premises that have Gigabit capable services from fixed broadband
<b>Number of premises below the USO</b>	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)

<b>Number of premises with NGA</b>	Number of premises with Next Generation Access from fixed broadband
<b>Number of premises able to receive decent broadband from FWA</b>	Number of premises that have access to Decent Broadband (at least 10Mbit/s download and 1Mbit/s upload speed) from a WISP or Mobile FWA
<b>% of premises with 30&lt;300Mbit/s download speed</b>	From fixed broadband
<b>% of premises with &gt;=300Mbit/s download speed</b>	From fixed broadband
<b>% of premises with 0&lt;2Mbit/s download speed</b>	From fixed broadband
<b>% of premises with 2&lt;5Mbit/s download speed</b>	From fixed broadband
<b>% of premises with 5&lt;10Mbit/s download speed</b>	From fixed broadband
<b>% of premises with 10&lt;30Mbit/s download speed</b>	From fixed broadband
<b>Number of premises with 30&lt;300Mbit/s download speed</b>	From fixed broadband
<b>Number of premises with &gt;=300Mbit/s download speed</b>	From fixed broadband
<b>Number of premises with 0&lt;2Mbit/s download speed</b>	From fixed broadband
<b>Number of premises with 2&lt;5Mbit/s download speed</b>	From fixed broadband
<b>Number of premises with 5&lt;10Mbit/s download speed</b>	From fixed broadband
<b>Number of premises with 10&lt;30Mbit/s download speed</b>	From fixed broadband