



# Digital Connectivity Board

June LEP Board Discussion



## Connectivity and Infrastructure: Digital Connectivity

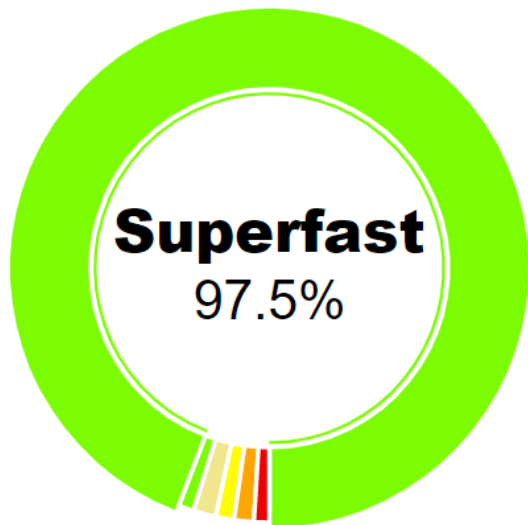
The board and delivery area are still in the "Establish" phase.

### Influence and Networking

Cementing and establishing partnership networks within the sub-region and neighbouring regions.	
↳ Define a governance structure, alongside the local authorities and Connecting Cheshire, of digital across the sub-region.	Q1
↳ Establish new governance structure.	Q2
Identification and alignment of priorities: Rural connectivity plan, Business requirements, Digital infrastructure plan review (data refresh):	
↳ Gap analysis assessment for digital connectivity in the sub-region.	Q2
↳ Recommendation to Strategy Programme Board for the Growing Places Fund, for priority business case areas to support.	Q3
Exploration of commercial models and funding streams: Opportunities and timescales of BDUK, Pipeline of public sector "backbone" schemes, Identification of "dig once" opportunities, Levelling up pitch:	
↳ Working with the local authorities and Connecting Cheshire to develop sub-regional options for Digital Connectivity improvements for levelling up, for consideration for a County Deal / Levelling Up submission.	Q1
↳ Gain further market support and facilitate engagement on the emerging levelling up proposal for the sub-region on digital connectivity.	Q3
↳ Define pipeline proposal for "backbone" and "dig once" schemes.	Q4

## Cheshire Superfast and Fibre Coverage

Latest Figures History ?

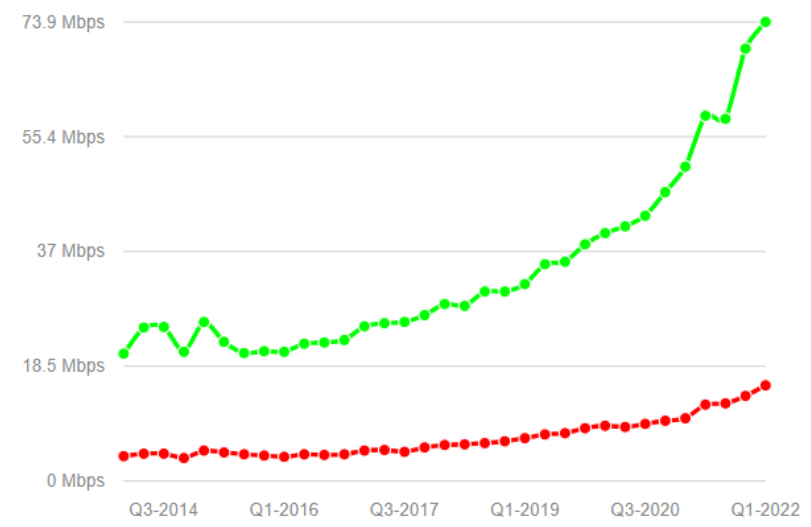


Superfast (>24 Mbps):	<b>97.80%</b>	Below 2 Mbps down:	<b>0.33%</b>
Superfast (>=30 Mbps):	<b>97.46%</b>	Below 10 Mbps down: (Legal USO)	<b>0.94%</b>
Gigabit (DOCSIS 3.1 or FTTP):	<b>58.81%</b>	Below 10 Mbps, 1.2 Mbps up:	<b>1.12%</b>
Full Fibre (FTTP or FTTH):	<b>27.37%</b>	Below 15 Mbps: (High Speed Broadband)	<b>1.40%</b>
Alt Net FTTP: FTTP excluding Openreach, KCOM and Virgin Media RFOG	<b>1.13%</b>	Ultrafast (>100 Mbps):	<b>65.55%</b>
Openreach FTTP:	<b>24.21%</b>	Virgin Media Cable:	<b>36.93%</b>
'Fibre' partial/full at any speed: (FTTC/VDSL/G.fast/Cable/FTTP)	<b>99.55%</b>	Openreach (>30 Mbps):	<b>96.33%</b>
		Openreach G.fast:	<b>10.44%</b>

## Cheshire Speed Test Results (Mbps)

Last Quarter History  
 Any ADSL FTTC Cable FTTH 3G/4G

ADSL, ADSL2+, FTTC, fibre, cable, mobile and wireless speeds ?  
 Technology Split: ADSL 11.4% FTTC 56.3% Cable 17.7% FTTH 14.5%

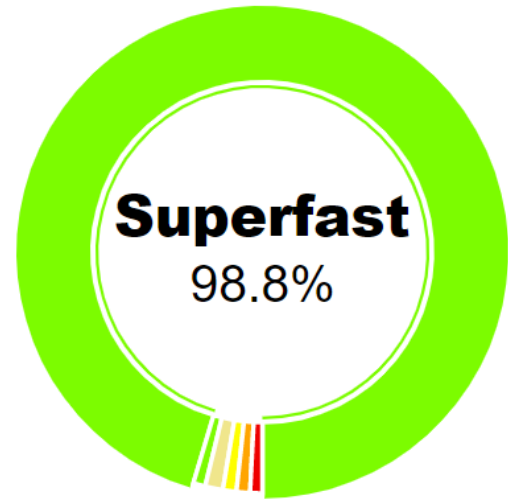


Estimated Maximum Mean Download Speed: **441 Mbps**

This figure is based around everyone buying the fastest Virgin Media, KC or Openreach product available to them, based on current product availability. Distance limitations of ADSL2+ and VDSL2 are factored into the calculation.

Speed test results are based on the analysis of results from our speed test or partners who use our speed test service. We believe this is the largest analysis of crowd sourced speed test data for the UK and the technology splits by area help to show what the public is experiencing for the different types of services across the UK.

Latest Figures History ?



Authority classed as Other Urban (OU) ?

Superfast (>24 Mbps):	<b>98.97%</b>	Below 2 Mbps down:	<b>0.07%</b>
Superfast (>=30 Mbps):	<b>98.84%</b>	Below 10 Mbps down: (Legal USO)	<b>0.29%</b>
Gigabit (DOCSIS 3.1 or FTTP):	<b>84.70%</b>	Below 10 Mbps, 1.2 Mbps up:	<b>0.50%</b>
Full Fibre (FTTP or FTTH):	<b>20.51%</b>	Below 15 Mbps: (High Speed Broadband)	<b>0.49%</b>
Alt Net FTTP: FTTP excluding Openreach, KCOM and Virgin Media RFOG	<b>0.47%</b>	Ultrafast (>100 Mbps):	<b>86.31%</b>
Openreach FTTP:	<b>15.47%</b>	Virgin Media Cable:	<b>71.33%</b>
'Fibre' partial/full at any speed: (FTTC/VDSL/G.fast/Cable/FTTP)	<b>99.66%</b>	Openreach (>30 Mbps):	<b>97.14%</b>
		Openreach G.fast:	<b>12.05%</b>

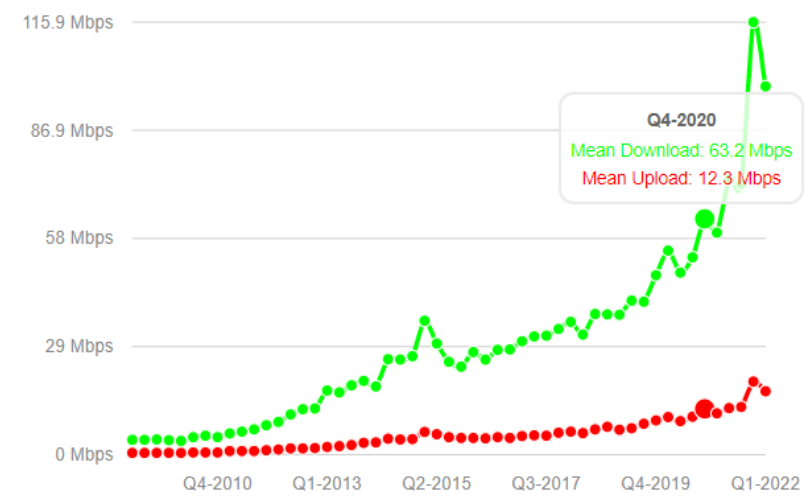
Coverage percentages include both residential and business premises and is based around postcode level

Last Quarter History

Any Openreach ADSL FTTC Cable FTTH 3G/4G

ADSL, ADSL2+, FTTC, fibre, cable, mobile and wireless speeds ?

Technology Split: ADSL 10.6% FTTC 44.7% Cable 34.1% FTTH 10.6%



Estimated Maximum Mean Download Speed: **509 Mbps**

This figure is based around everyone buying the fastest Virgin Media, KC or Openreach product available to them, based on current product availability. Distance limitations of ADSL2+ and VDSL2 are factored into the calculation.

Speed test results are based on the analysis of results from our speed test or partners who use our speed test service. We believe this is the largest analysis of crowd sourced speed test data for the UK and the technology splits by area help to show what the public is experiencing for the different types of services across the UK.

## Connectivity & Infrastructure: Digital Connectivity

### Millenials, Generation Z (“Digital Natives”)

- 1995 – founding of Amazon, Yahoo and Ebay
- 2000 – Dotcom boom
- 2004 - First Sat Nav / GPS location

So What?

Digital Natives (those that grew up with the internet) are entering the workforce now.

Greater variety of social media accounts

More gaming

More Smartphone use

[https://www.ofcom.org.uk/\\_data/assets/pdf\\_file/0025/217834/adults-media-use-and-attitudes-report-2020-21.pdf](https://www.ofcom.org.uk/_data/assets/pdf_file/0025/217834/adults-media-use-and-attitudes-report-2020-21.pdf)

## Connectivity & Infrastructure: Digital Connectivity

### Imagination (or is it?)

- Ordering a driverless, autonomous bus or taxi by mobile phone anytime, anywhere.
- Monitoring a patient or vulnerable person remotely including provision of voice services, chatbots.
- A personal device or room sensor that alerts emergency services to “critical” changes in body condition.
- GPS locator for emergency services.
- Biometric identification
- Receiving twin factor authentication codes to a mobile to authorise payment transactions
- Personalised TV, advertising and streaming services
- Personalised and virtual retail offers
- Remote control of supply and demand
- Digital management of livestock, feed, yield, water supply / irrigation, fertiliser levels.
- Labour shortages driving technological advances
- Expansion of the “metaverse” – growth in Virtual and Augmented Reality for work, commercial and social interaction



## Connectivity & Infrastructure: Digital Connectivity

### Barriers

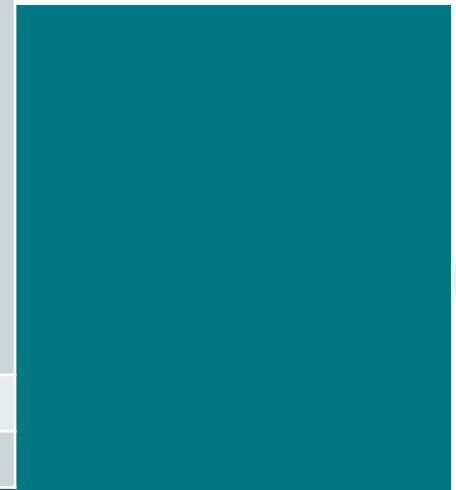
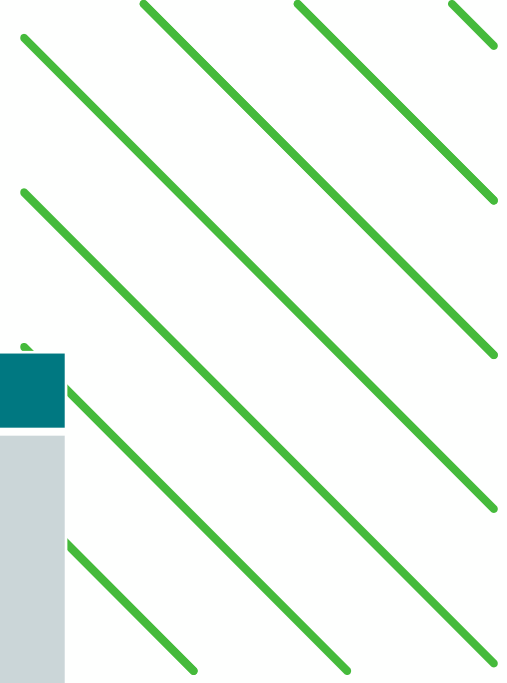
- Infrastructure
- Funding
- Planning – cabling installation, siting of masts, satellite receivers?
- Affordability of devices and connections
- Skills
  - Decision makers
  - Community at Large
  - Coders, Developers
- Speed of change
- Risk of “Silo” thinking



## Connectivity & Infrastructure: Digital Connectivity

### Our ask of the board today

Who are we “doing this for”? – residents, businesses  
We are seeking to prioritise needs, not technologies. How can you help us evidence those needs?  
What type of conversations should we be having?  
How do we avoid “silos”?





## Connectivity & Infrastructure: Digital Connectivity

### Further Questions

- What criteria we might employ to prioritise infrastructure investment?
- How do we encourage people to adopt and adapt to use the digital infrastructure provided?
- How do we raise awareness to the power of digital to change ways of working?
- How do we raise awareness more generally?
- How do we overcome the limitations of our resources to develop digital?
- What “power” do we have – financial, networks, communities, planning conditions?

