



Barometer of fixed Internet connections in Wales

01/01/2025 - 12/31/2025



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nPerf**

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**nPerf Network
assessment**

Expert in the telecom network optimization

nPerf is an independent French company based in Lyon (France). For over a decade, nPerf has been a trusted partner for both fixed and mobile operators, providing comprehensive network testing solutions and analysis. Our mission is to accurately measure, evaluate, and enhance the understanding of Internet connectivity around the world.

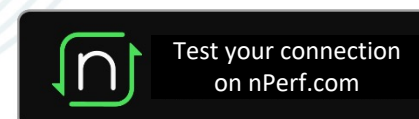
 **300k+** tests daily
worldwide.

 **26Md+** coverage
scans in total.

 **3k+** servers all
around the world.

Test your Internet connection with nPerf!

nPerf allows you to test the quality of your fixed, mobile, or Wi-Fi Internet connections up to 10 Gbps! Download our app or visit our website!



2. Executive Summary



The subscribers of Virgin Media and Vodafone enjoyed the best Fixed Internet performances in 2025 in Wales.

Fixed Internet performance in Wales

	BT / EE / Plusnet	Fibrus	Sky	TalkTalk	Virgin Media	Vodafone
▼ Download bitrates (Mb/s)	235.56	0.00	111.27	112.01	311.32	272.58
▲ Upload bitrates (Mb/s)	50.04	0.00	33.68	47.79	84.31	57.67
◀▶ Latency (ms)	22.43	0.00	18.90	19.68	23.60	18.16
🌐 Web browsing (%)	80.40	0.00	82.94	74.38	83.11	83.37
🎥 Youtube streaming (%)	86.34	0.00	85.22	79.08	85.83	88.16
🏆 nPerf Score (nPoints)	123 886	0.00	114 997	106 596	131 882	133 604

Source : nPerf.com



Best Fixed Internet performance
in 2025



Source : nPerf.com

nPerf Podium



Source : nPerf.com

The subscribers of Vodafone enjoyed the best WIFI Internet in 2025 in Wales.

Fixed Internet performance in Wales

	BT / EE / Plusnet	Fibrus	Sky	TalkTalk	Virgin Media	<u>Vodafone</u>
 Download bitrates (Mb/s)	186.03	0.00	108.16	102.90	296.93	286.57
 Upload bitrates (Mb/s)	42.88	0.00	33.60	46.93	65.11	59.74
 Latency (ms)	20.14	0.00	17.51	18.06	23.62	18.15
 Web browsing (%)	83.15	0.00	84.64	80.38	83.07	83.79
 Youtube streaming (%)	87.72	0.00	86.02	84.36	86.77	88.25
 nPerf Score (nPoints)	124 428	0.00	117 411	114 427	130 208	134 920

Source : nPerf.com

4. Methodology



nPerf provides a free application to assess Internet connection quality via its website and mobile apps (Android, iOS). Daily, thousands of people rely on nPerf for speed tests in their country, contributing to a comprehensive crowdsourced database covering all operators.

The study employs a strong filtering method to reflect real customer experiences on a specific network (mobile or fixed line). Measures are taken to prevent probes and measurement robots from affecting the results.

We assess:

▼ Download bitrate

Indicates the amount of data your connection can receive in one second from the nPerf server. The highest the measured value, the best is the bitrate of your connection.

▲ Upload bitrate

Indicates the amount of data your connection can send in one second to the nPerf server. The highest the measured value, the best is the bitrate of your connection.

◄► Latency (ping)

It indicated the delay a small packet of data requires to make a round-trip from your computer to the nPerf server. The shorter the delay, the most reactive your connection is. The mean is the minimum value.

🌐 Browsing performance

The browsing test assesses the load time of the fully loaded pages, including images, javascript, CSS, and fonts, for the five most popular sites. This indicator reflects the perceived quality by the user.

📺 Streaming performance

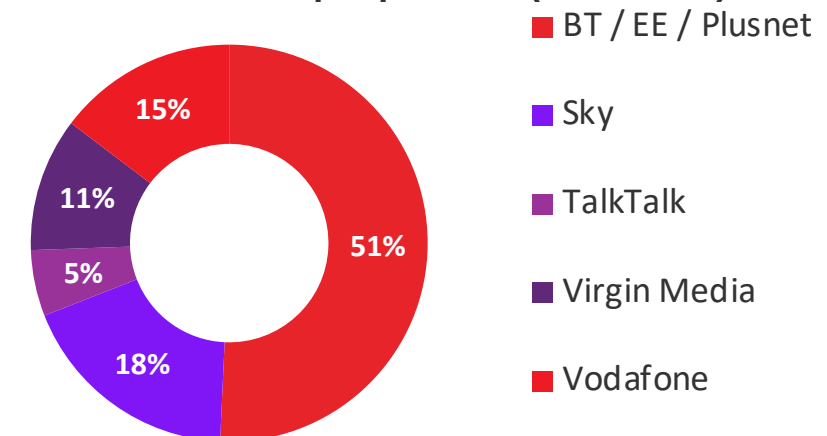
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

Statistical precision is crucial in accurately determining winners. At nPerf, we prioritize test quality, precise reporting, and transparency. Analyzing a large volume of tests in this study, we've achieved 1.5% precision for absolute values and 1% point for percentage-based results, highlighting the reliability and accuracy of our data.

For a more comprehensive understanding of the user experience, our report takes into account test results during both Busy Hours (6 PM to 11 PM) and Idle Hours (the rest of the day). Busy Hours, marked by network strain, can impact user experience through congestion. This approach helps in understanding how network performance fluctuates throughout the day.

We only include national Internet service providers with test share above 5% share. The chart below shows the overall test distribution for each service provider.

Overall distribution of the tests per provider (ISPs Share)



Source : nPerf.com



Download Speed



Download Speed (average)

BT / EE / Plusnet

235.56 Mb/s

Sky

111.27 Mb/s

TalkTalk

112.01 Mb/s

Virgin Media

311.32 Mb/s

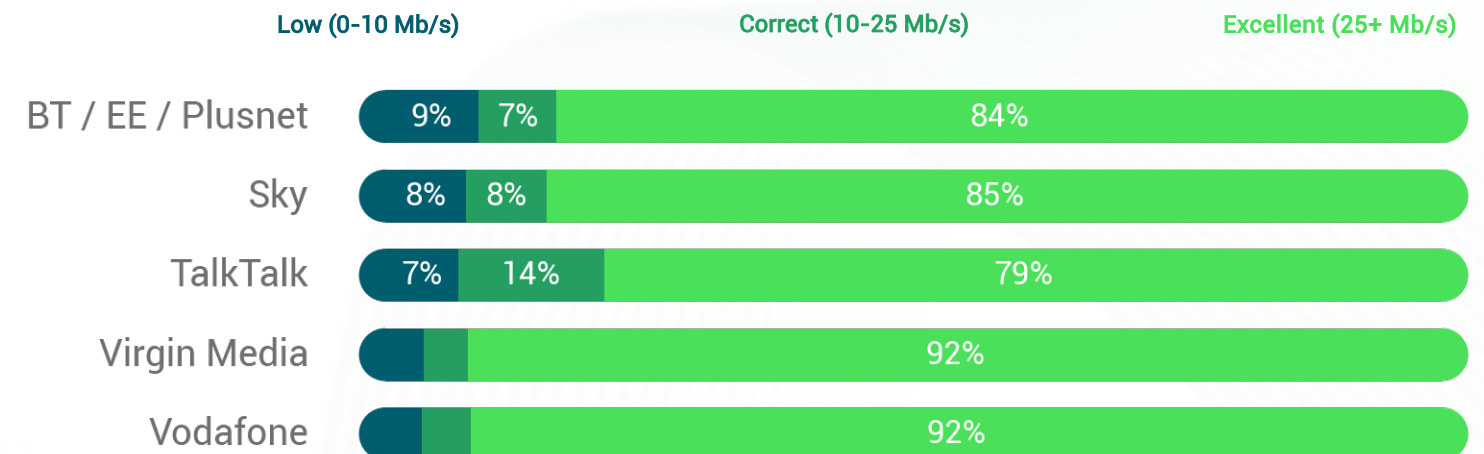
Vodafone

272.58 Mb/s

Source : nPerf.com

The subscribers of Virgin Media enjoyed the best Fixed Internet Download Speed in 2025.

Download Speed results ventilation (average)



Source : nPerf.com

Download Speed (average)

Busy Time

Idle Time

229.82 Mb/s

0.00 Mb/s

100.62 Mb/s

127.78 Mb/s

308.36 Mb/s

294.99 Mb/s

BT / EE / Plusnet

Fibribus

Sky

TalkTalk

Virgin Media

Vodafone

237.75 Mb/s

0.00 Mb/s

117.49 Mb/s

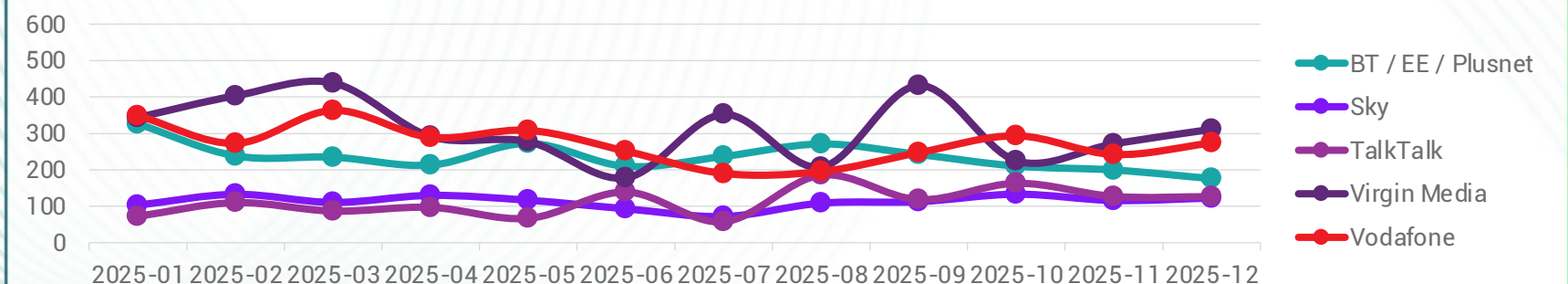
105.83 Mb/s

312.76 Mb/s

263.65 Mb/s

Source : nPerf.com

Download Speed evolution over the year (average)



Source : nPerf.com



Upload Speed



Upload Speed (average)

BT / EE / Plusnet

50.04 Mb/s

Sky

33.68 Mb/s

TalkTalk

47.79 Mb/s

Virgin Media

84.31 Mb/s

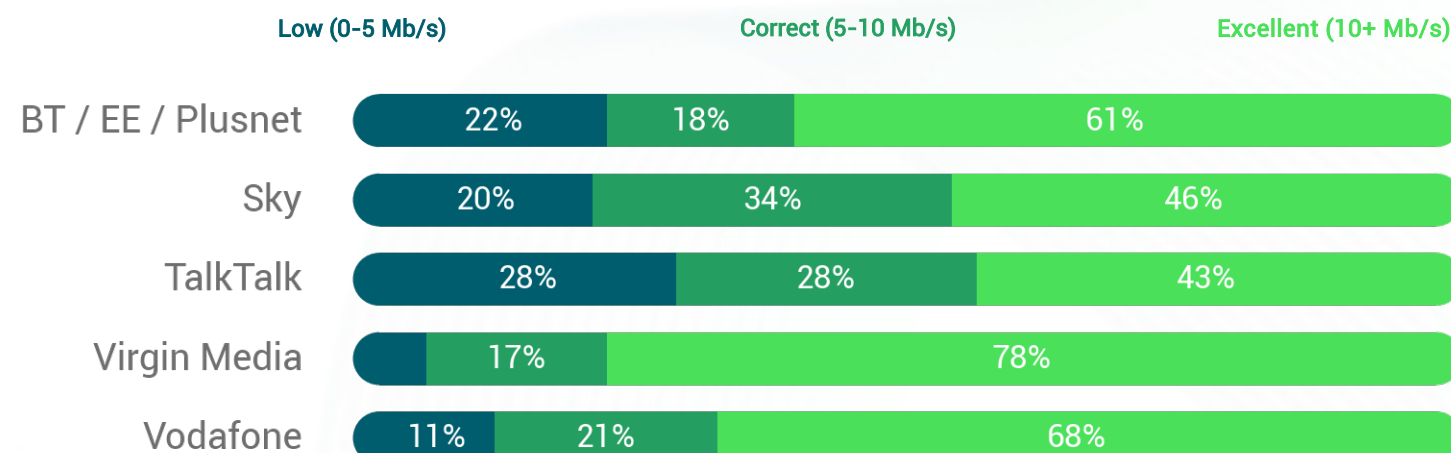
Vodafone

57.67 Mb/s

Source : nPerf.com

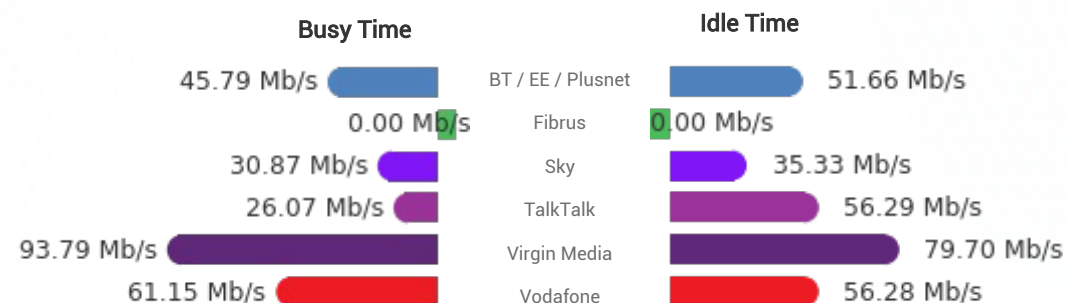
The subscribers of Virgin Media enjoyed the best Fixed Internet Upload Speed in 2025.

Upload Speed results ventilation (average)



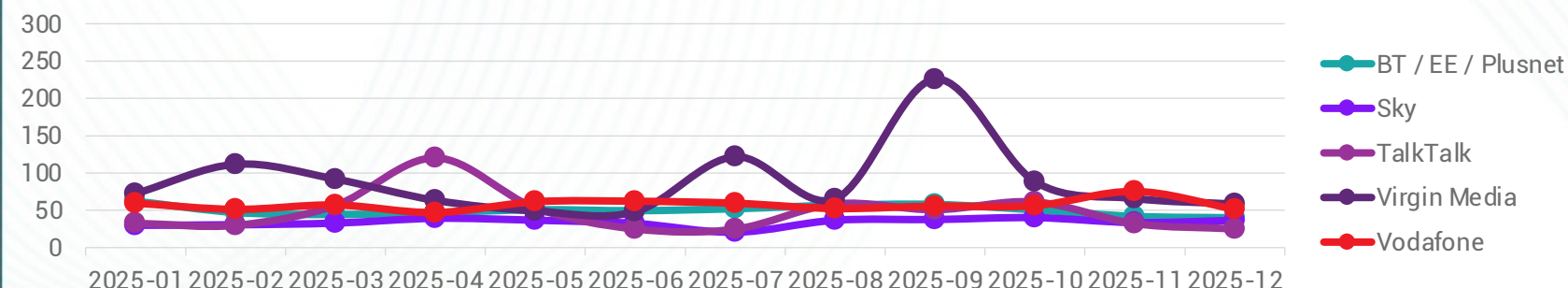
Source : nPerf.com

Upload Speed (average)



Source : nPerf.com

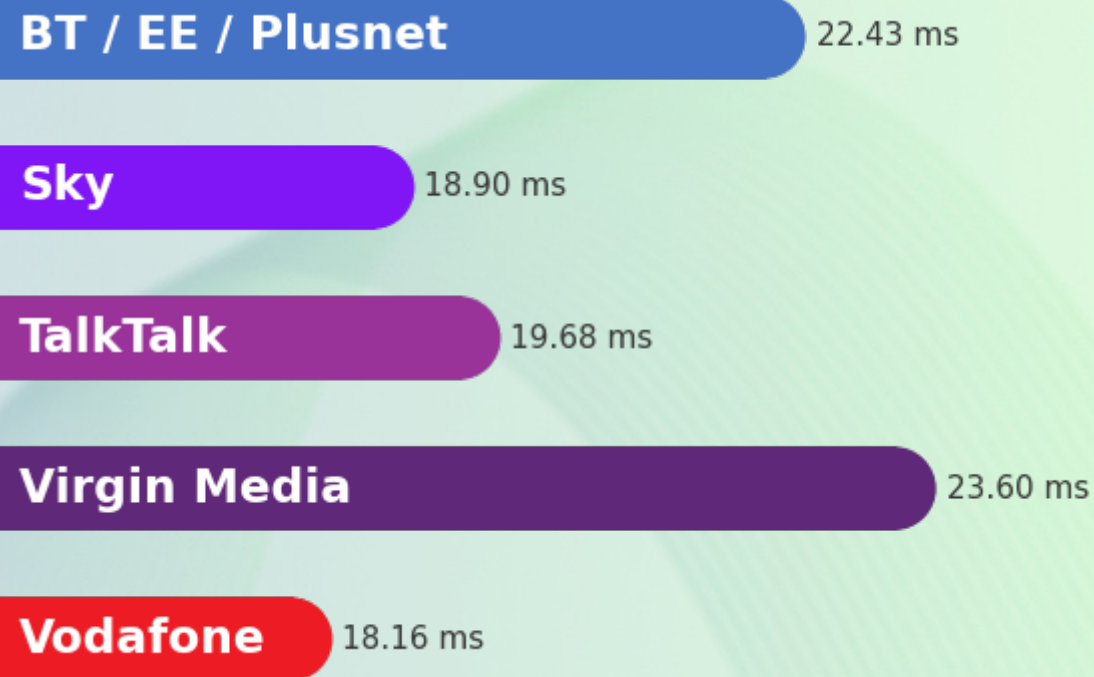
Upload Speed evolution over the year (average)



Source : nPerf.com



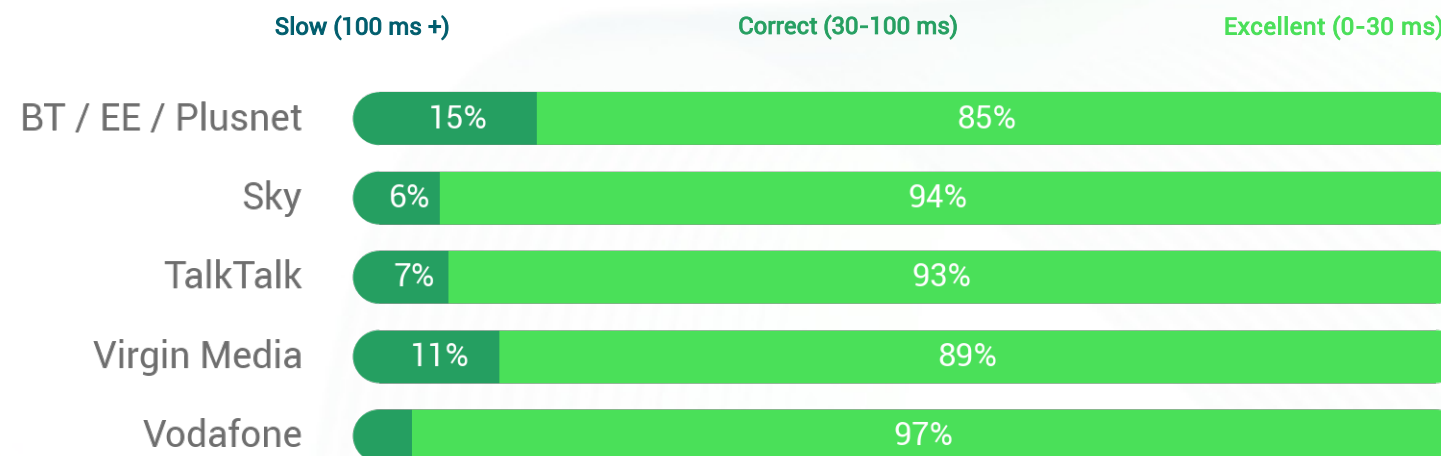
Latency (average)



Source : nPerf.com

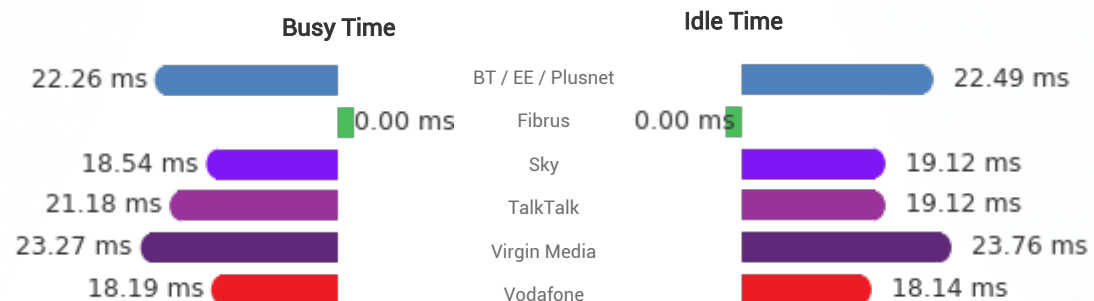
The subscribers of Vodafone enjoyed the best Fixed Internet Latency in 2025.

Latency results ventilation (average)



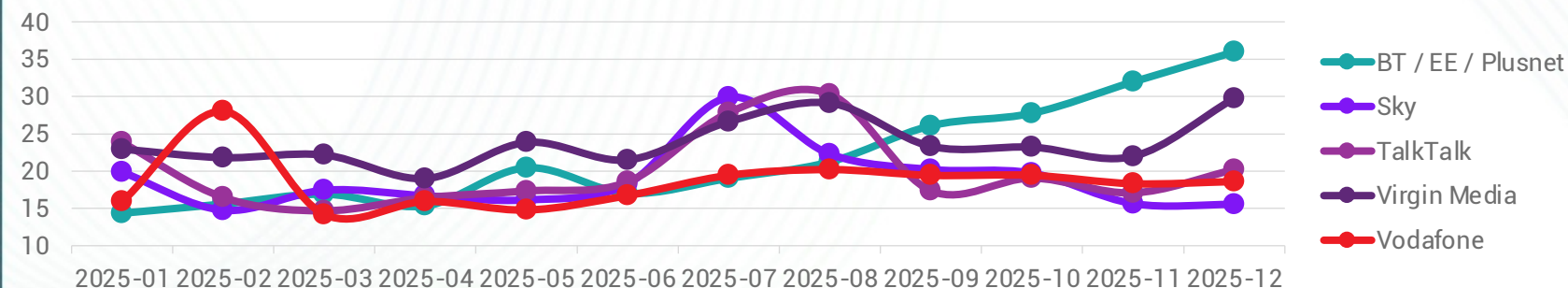
Source : nPerf.com

Latency (average)



Source : nPerf.com

Latency evolution over the year (average)



Source : nPerf.com



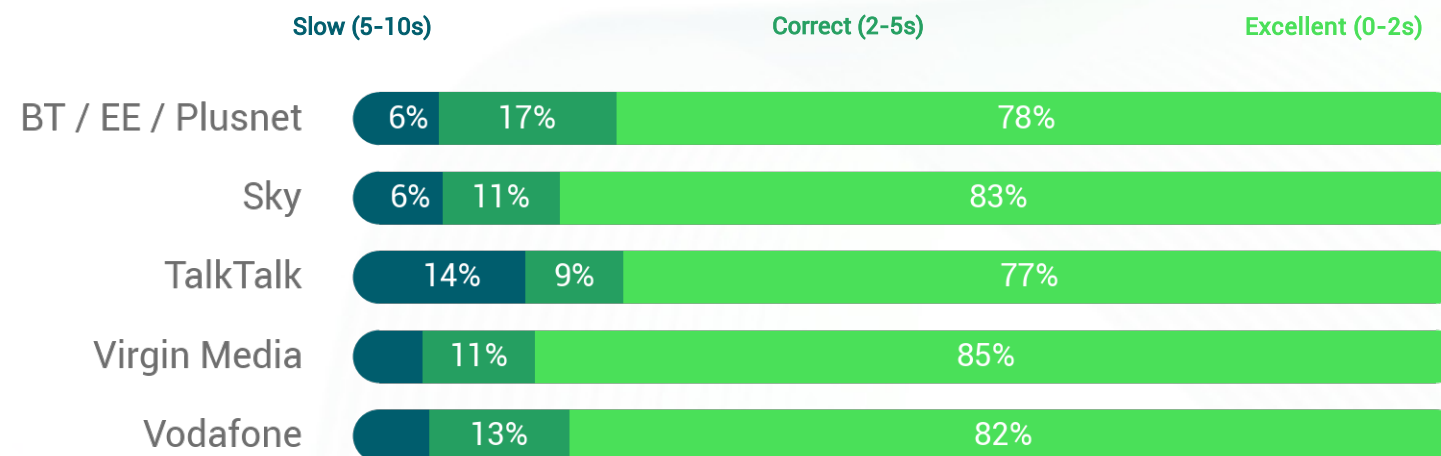
Browsing Performance (average)



Source : nPerf.com

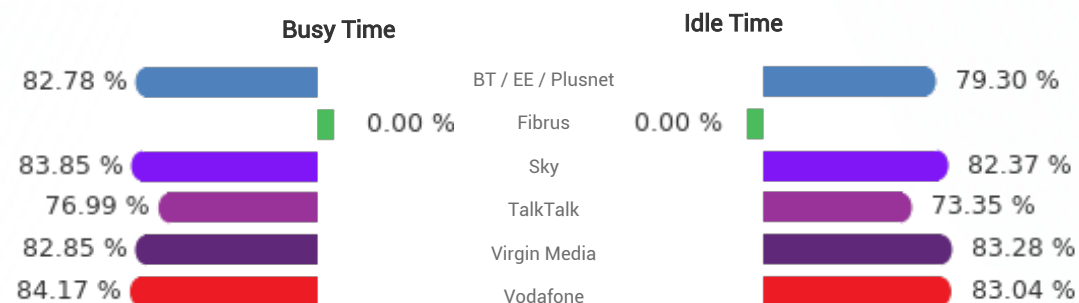
The subscribers of Sky, Virgin Media and Vodafone enjoyed the best Fixed Internet Browsing Performance in 2025.

Browsing Performance results ventilation (average)



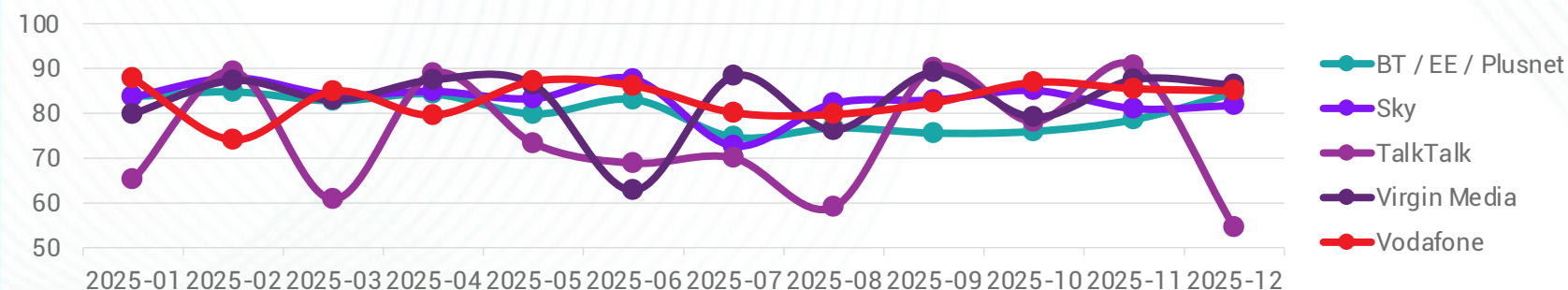
Source : nPerf.com

Browsing Performance (average)



Source : nPerf.com

Browsing Performance evolution over the year (average)



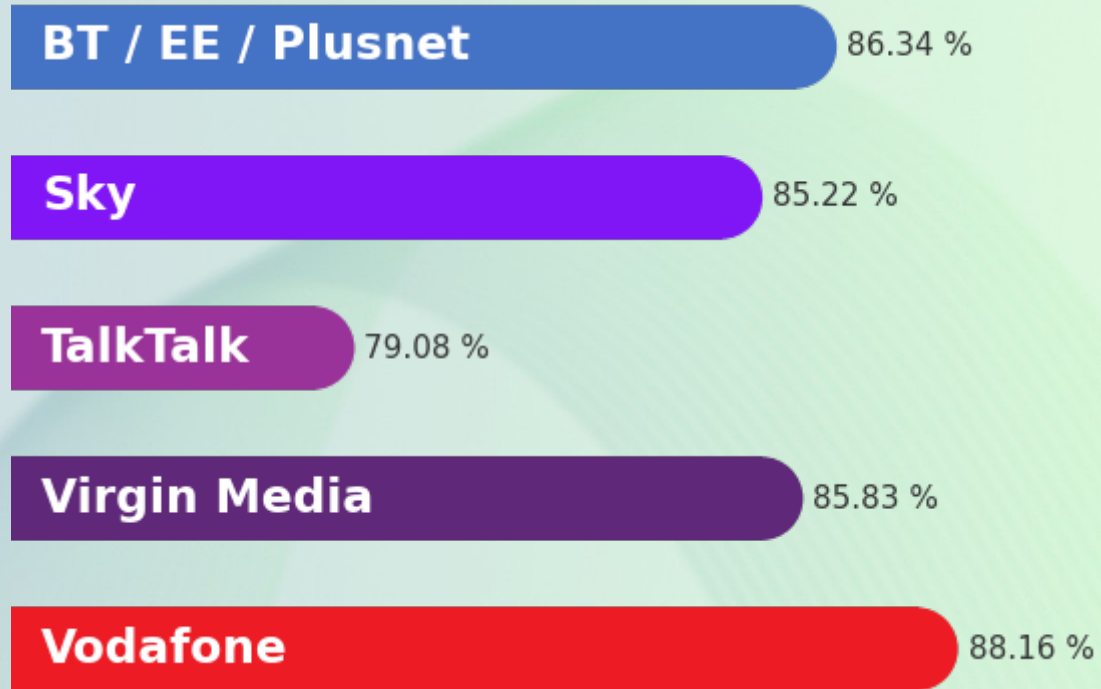
Source : nPerf.com



Streaming Performance



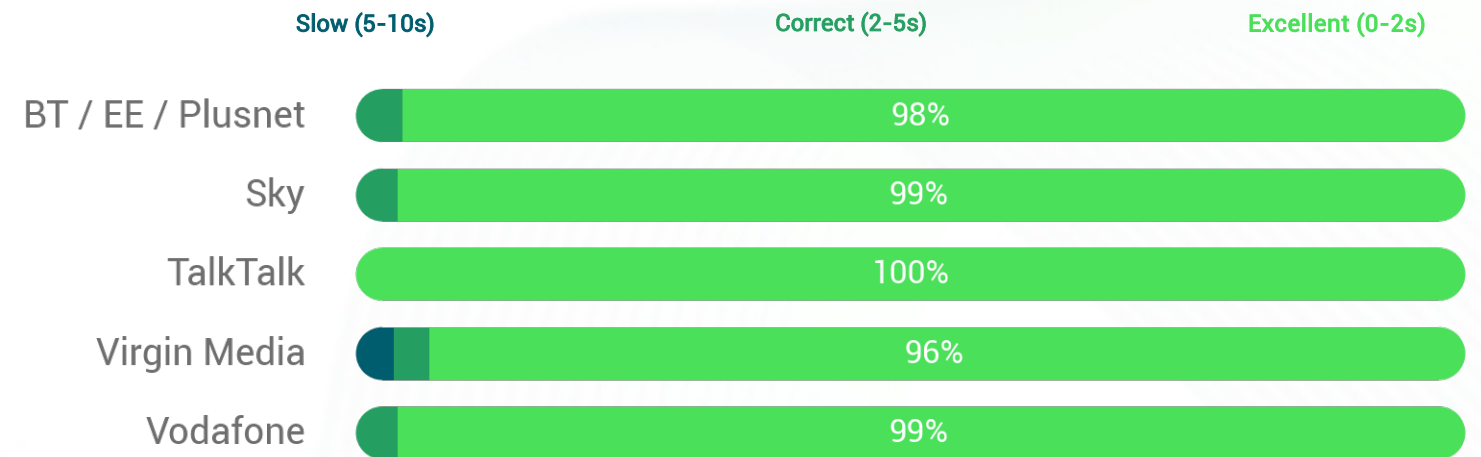
Streaming Performance (average)



Source : nPerf.com

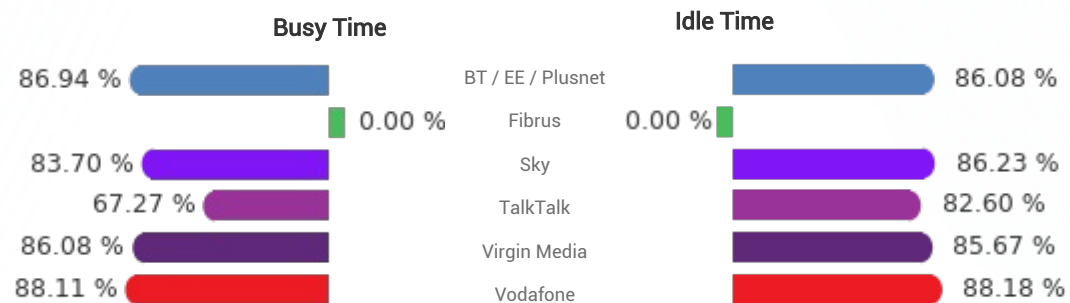
The subscribers of BT / EE / Plusnet, Virgin Media and Vodafone enjoyed the best Fixed Internet Streaming Performance in 2025.

Streaming Performance results ventilation (average)



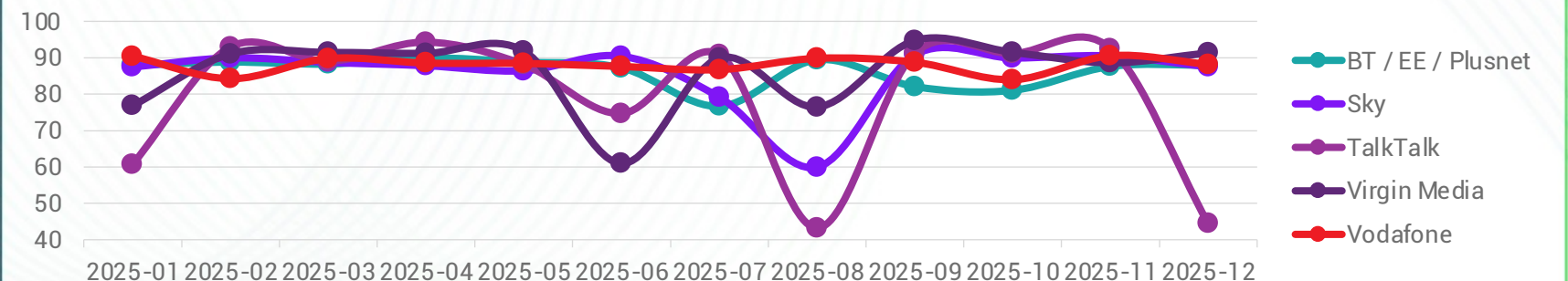
Source : nPerf.com

Streaming Performance (average)



Source : nPerf.com

Streaming Performance evolution over the year (average)



Source : nPerf.com

nPerf QoE nPerf Score (nPoints)

BT / EE / Plusnet

124 428

Sky

117 411

TalkTalk

114 427

Virgin Media

130 208

Vodafone

134 920

Source :
nPerf.com

The subscribers of Vodafone enjoyed the best WIFI Internet in 2025.

Best performances WIFI: Vodafone

Fastest performances (Download Speed) WIFI: Virgin Media

Fastest performances (Upload Speed) WIFI: Virgin Media

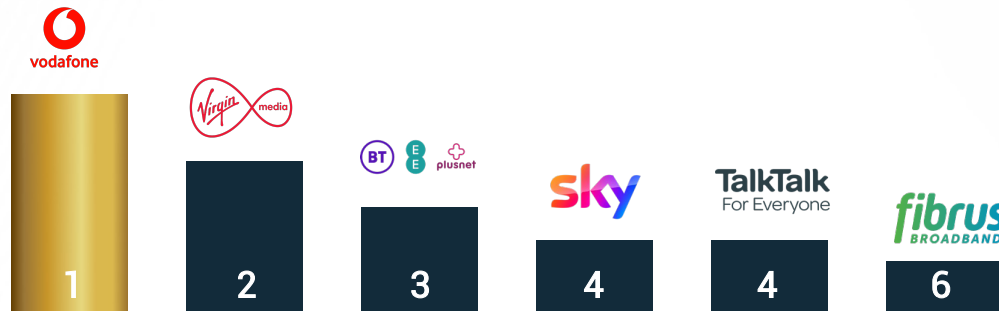
WIFI connections with the lowest latency: Sky

Best web browsing performances WIFI: BT / EE / Plusnet, Sky, Virgin Media and Vodafone

Best streaming performances WIFI: BT / EE / Plusnet, Sky, Virgin Media and Vodafone

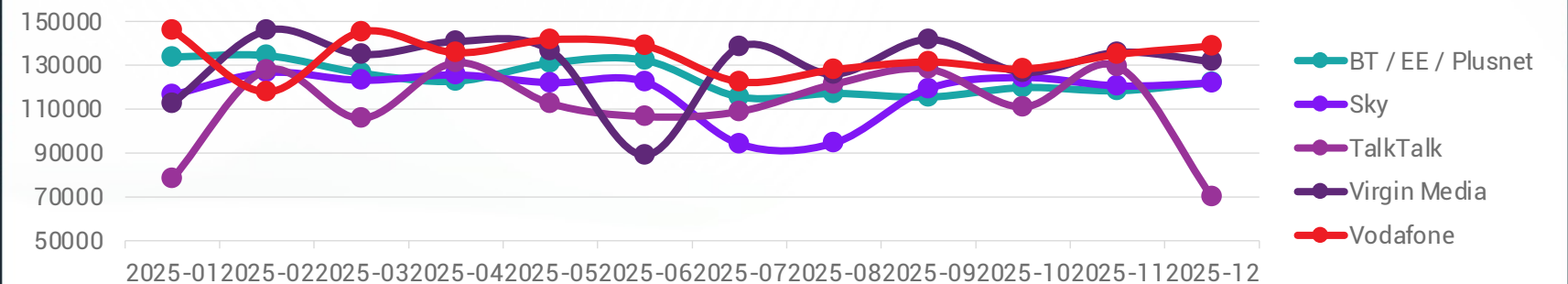
Source :
nPerf.com

nPerf Podium



Source : nPerf.com

WIFI evolution over the year (average)



Source : nPerf.com



nPerf QoE nPerf Score (nPoints)

BT / EE / Plusnet

123 886

Sky

114 997

TalkTalk

106 596

Virgin Media

131 882

Vodafone

133 604

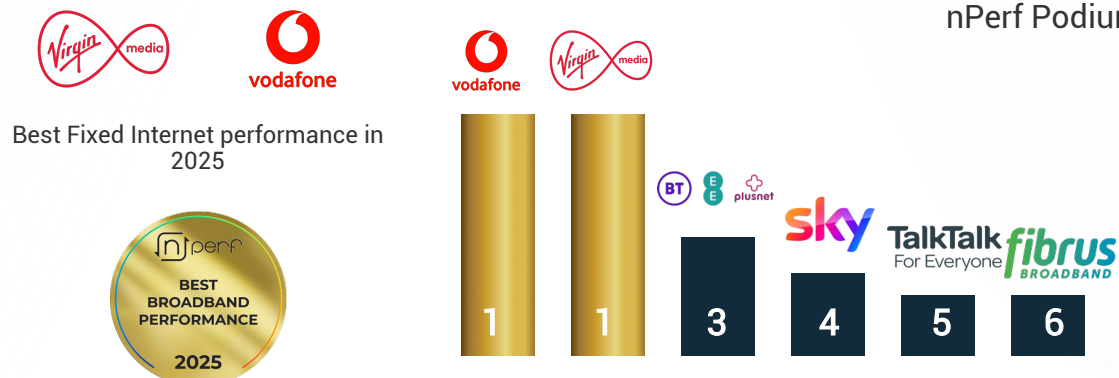
Source : nPerf.com

The subscribers of Virgin Media and Vodafone enjoyed the best Fixed Internet performances in 2025.

The nPerf score takes into account the measured bitrates, the latency and the QoE tests. The value of the points for the rates and the latency is calculated on a logarithmic scale, to better represent the perception of the user. Thus, this score reflects the overall quality of the connection experienced by the user.

Source : nPerf.com

nPerf Podium



nPerf QoE nPerf Score evolution over the year (average)

