



# Barometer of mobile Internet connections in Czechia

01/01/2025 - 12/31/2025



January 2026



**1**

Introducing  
nPerf

**2**

Executive  
summary

**3**

Analysis

**4**

Methodology

**5**

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.



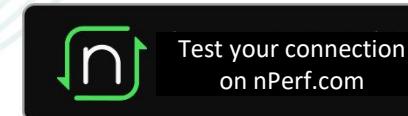
**26Md+** coverage  
scans in total.



**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 Gb/s! Download our app or visit our website!



## 2. Executive Summary



The subscribers of O2 enjoyed the best Mobile Internet performances in 2025 in Czechia.

### Mobile Internet performance in Czechia

**O2**

**T-Mobile**

**Vodafone**

⬇️ Download bitrates (Mb/s)

**107.33**

**96.99**

**60.07**

⬆️ Upload bitrates (Mb/s)

**27.96**

**24.26**

**24.80**

◀▶ Latency (ms)

**27.62**

**32.75**

**34.08**

🌐 Web browsing (%)

**72.43**

**72.82**

**68.58**

▢Youtube streaming (%)

**78.92**

**77.78**

**76.02**

▣ nPerf Score (nPoints)

**96 608**

**91 617**

**82 089**

Source : nPerf.com

**O<sub>2</sub>**

Best Mobile Internet performance  
in 2025



Source : nPerf.com

**O<sub>2</sub>**

**T Mobile**



**1**

**2**

**3**

Source : nPerf.com

The subscribers of O2 enjoyed the best 5G Internet in 2025 in Czechia.

#### Mobile Internet performance in Czechia

	O2	T-Mobile	Vodafone
⬇️ Download bitrates (Mb/s)	<b>157.33</b>	<b>131.89</b>	<b>77.09</b>
⬆️ Upload bitrates (Mb/s)	<b>38.91</b>	<b>35.86</b>	<b>33.68</b>
◀▶ Latency (ms)	<b>27.21</b>	<b>30.58</b>	<b>35.45</b>
🌐 Web browsing (%)	<b>78.24</b>	<b>78.03</b>	<b>70.41</b>
🎥 Youtube streaming (%)	<b>80.23</b>	<b>78.04</b>	<b>76.35</b>
 nPerf Score (nPoints)	<b>108 205</b>	<b>102 132</b>	<b>87 425</b>

Source : nPerf.com

The Czech Republic mobile Internet sector shows an average score of 90,101 nPoints. O2 leads with 96,596 nPoints and dominates across download speed, upload speed, and latency. The sector features strong competition, with T-Mobile closely trailing at 91,617 nPoints.

#### O2: consolidated leadership

O2 leads the sector with 96,608 nPoints and dominates download speed with 107.3 Mbps, ideal for HD streaming and fast downloads. The operator achieves the best upload speed (27.96 Mbps), ensuring quality video calls and efficient content sharing. With the lowest latency at 27.62 ms, O2 delivers optimal performance for online gaming and real-time communications. The operator shares first place ex-aequo in browsing (72.43%) and leads video streaming (78.92%).

#### T-Mobile: competitive speeds

T-Mobile ranks second with 91,617 nPoints and achieves strong download speed performance at 96.99 Mbps (2nd place). The operator shares first place ex-aequo in browsing with 72.82% and ranks second in video streaming (77.78%), ensuring smooth content viewing. T-Mobile delivers solid latency at 32.75 ms (2nd place).

#### Vodafone: balanced performance

Vodafone ranks third with 82,089 nPoints and achieves the second-best upload speed at 24.80 Mbps, supporting quality visioconferencing. The operator delivers solid video streaming performance at 76.02%.

O2 strengthens its leadership with balanced performances across all indicators. The sector displays strong competition with all three operators delivering quality services. Users benefit from competitive offerings, particularly for streaming and real-time applications.

## 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

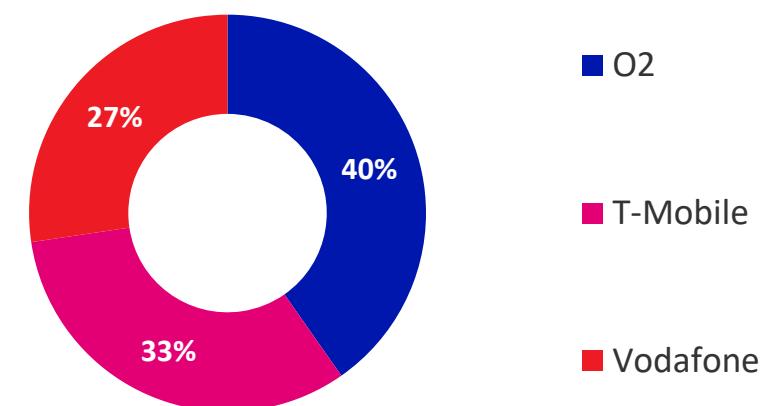
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

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 features 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)



Source : nPerf.com

### Download Speed (average)



78.49 Mb/s

O2

Busy Time

Idle Time

T-Mobile

99.44 Mb/s

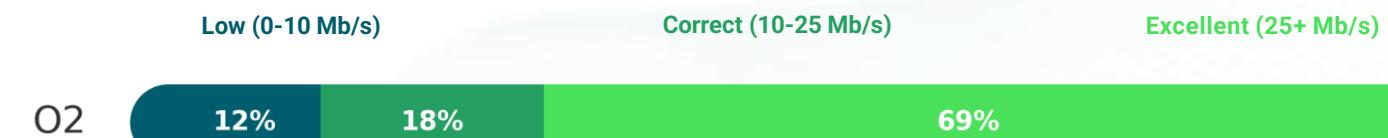
Vodafone

60.67 Mb/s

Source : nPerf.com

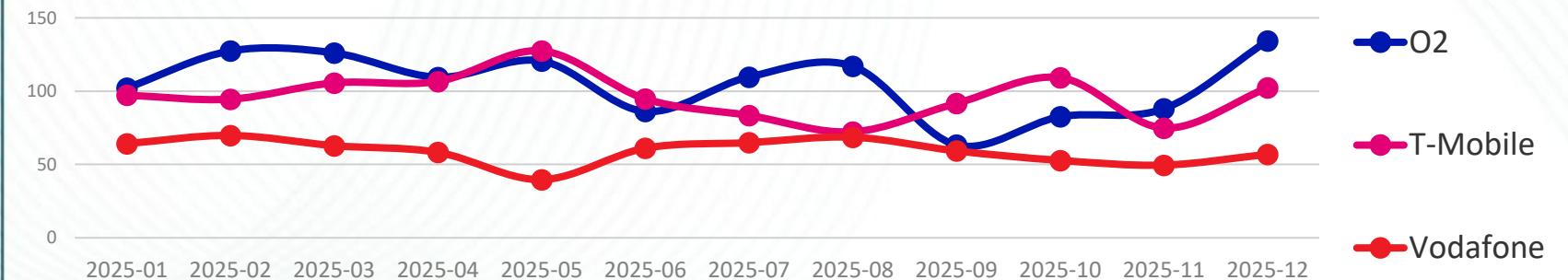
The subscribers of O2 enjoyed the best Mobile Internet Download Speed in 2025.

### Download Speed results ventilation (average)



Source : nPerf.com

### Download Speed evolution over the year (average)



Source : nPerf.com



## Upload Speed



### Upload Speed (average)



Source : nPerf.com

### Upload Speed (average)

Busy Time

24.98 Mb/s

Idle Time

02 28.58 Mb/s

21.01 Mb/s

T-Mobile

24.75 Mb/s

23.19 Mb/s

Vodafone

25.12 Mb/s

Source : nPerf.com

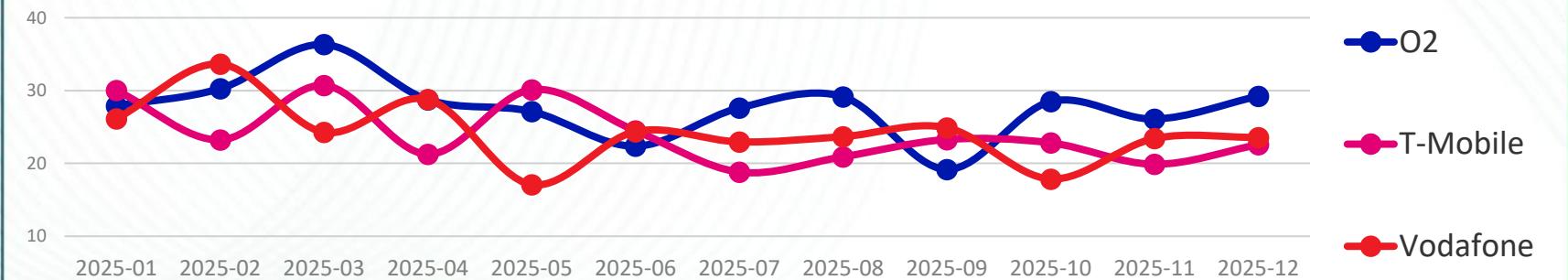
The subscribers of O2 enjoyed the best Mobile Internet Upload Speed in 2025.

### Upload Speed results ventilation (average)



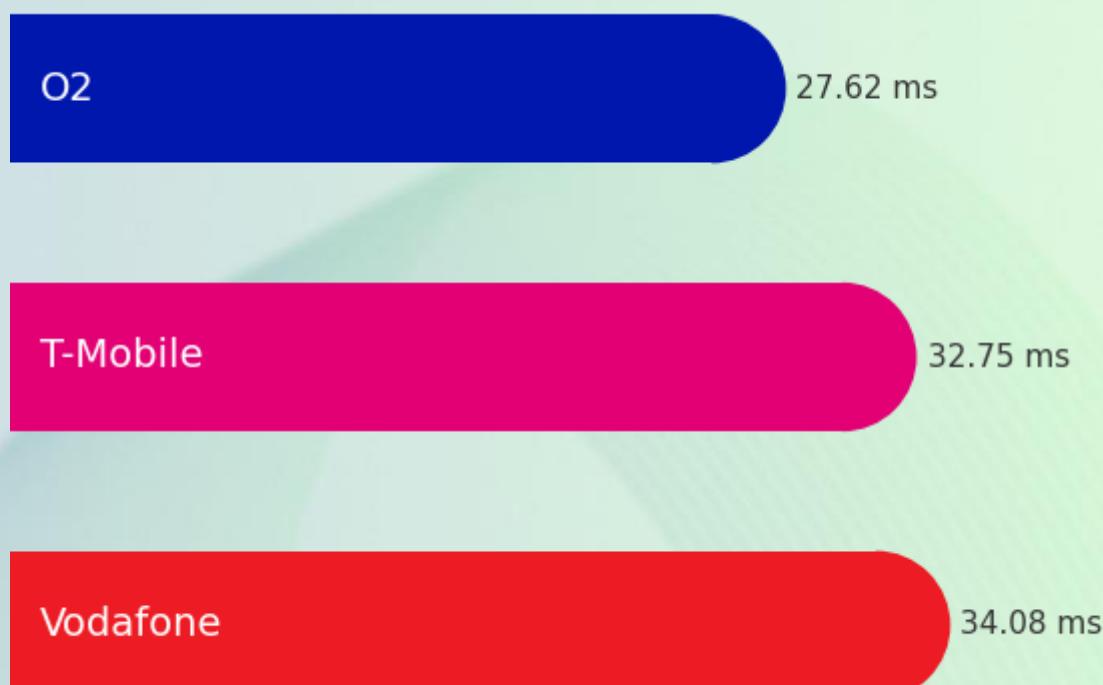
Source : nPerf.com

### Upload Speed evolution over the year (average)



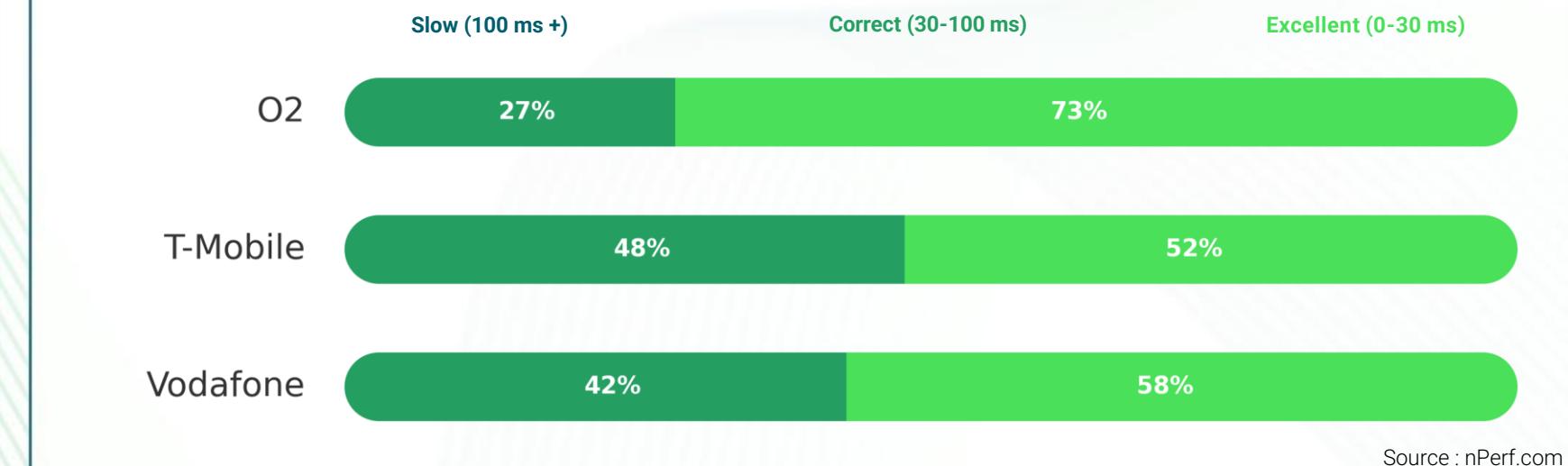


## Latency (average)

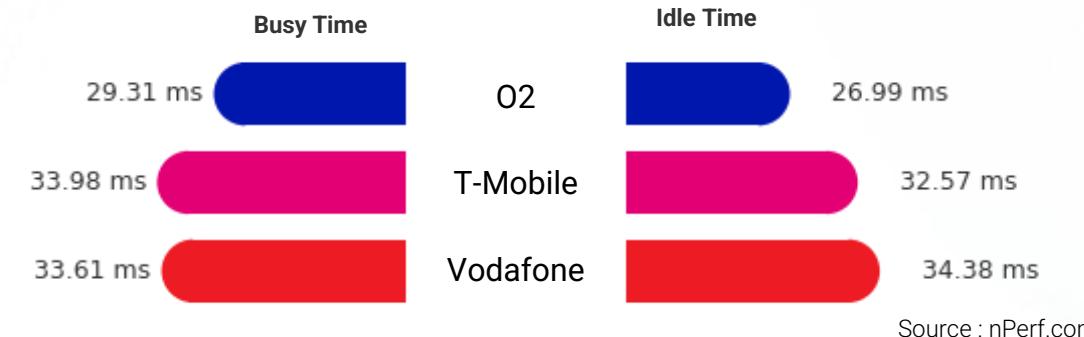


The subscribers of O2 enjoyed the best Mobile Internet Latency in 2025.

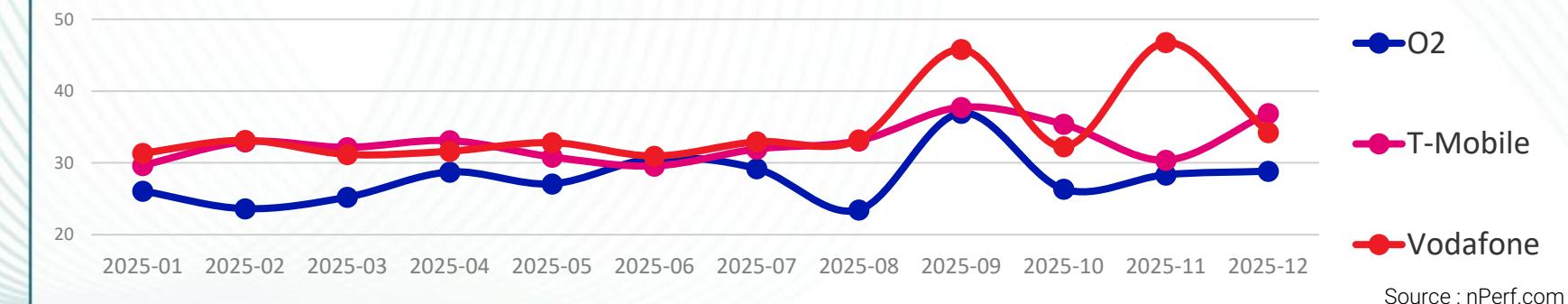
## Latency results ventilation (average)



## Latency (average)



## Latency evolution over the year (average)



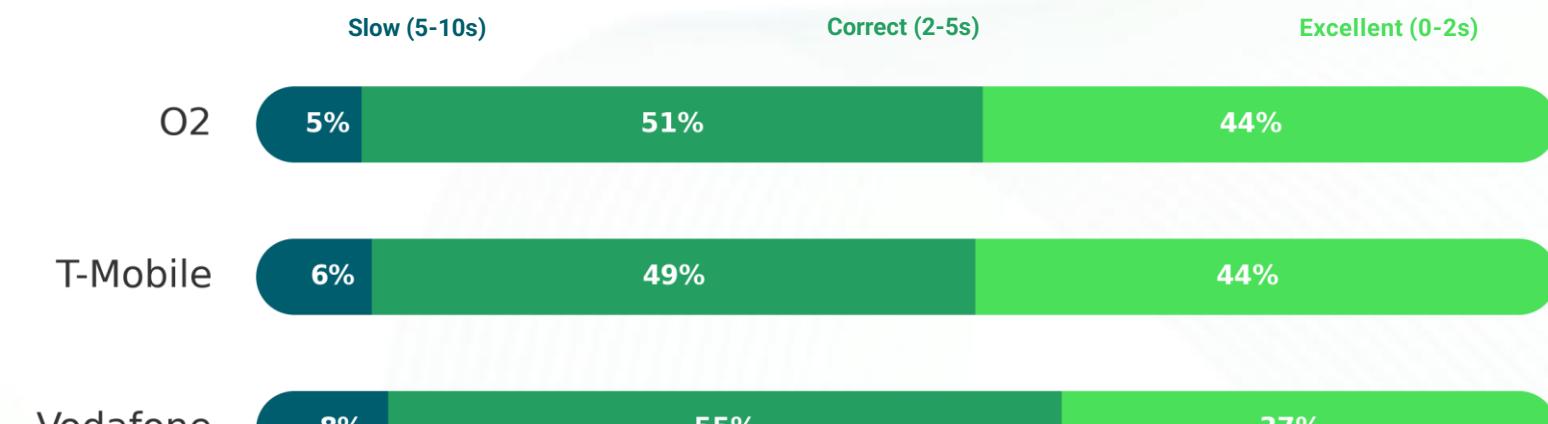


## Browsing Performance (average)

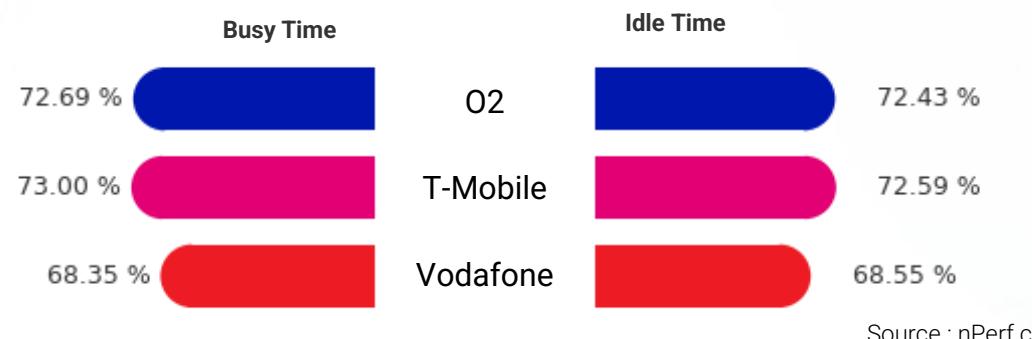


The subscribers of O2 and T-Mobile enjoyed the best Mobile Internet Browsing Performance in 2025.

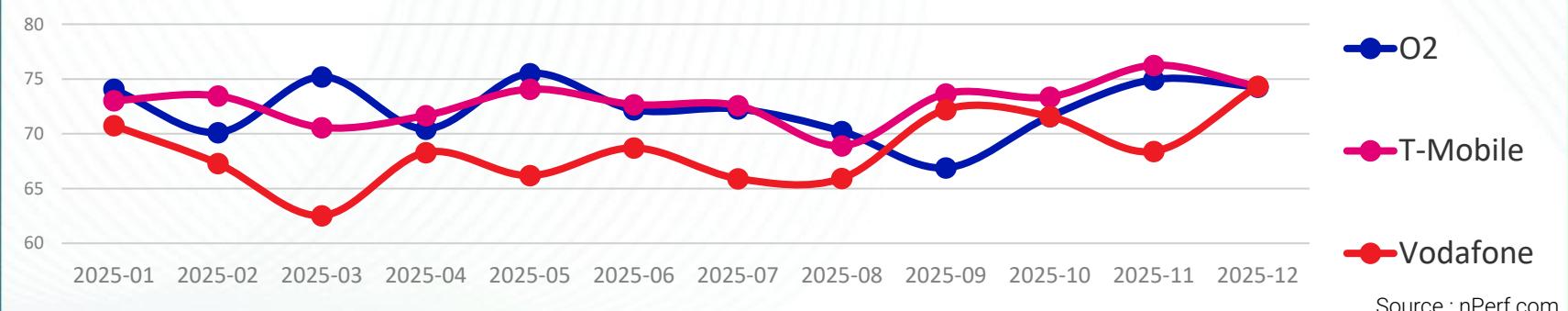
## Browsing Performance results ventilation (average)



## Browsing Performance (average)



## Browsing Performance evolution over the year (average)





# Streaming Performance

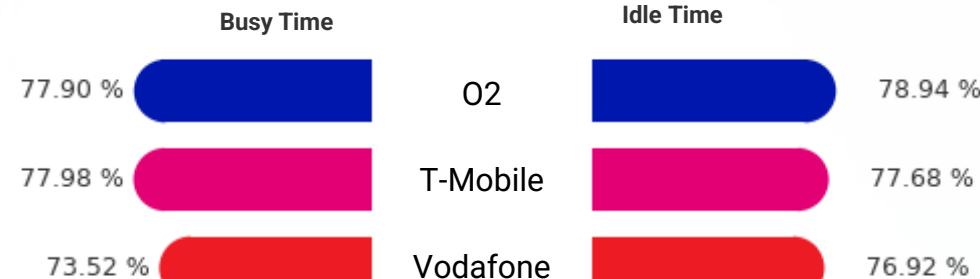


## Streaming Performance (average)



Source : nPerf.com

## Streaming Performance (average)



Source : nPerf.com

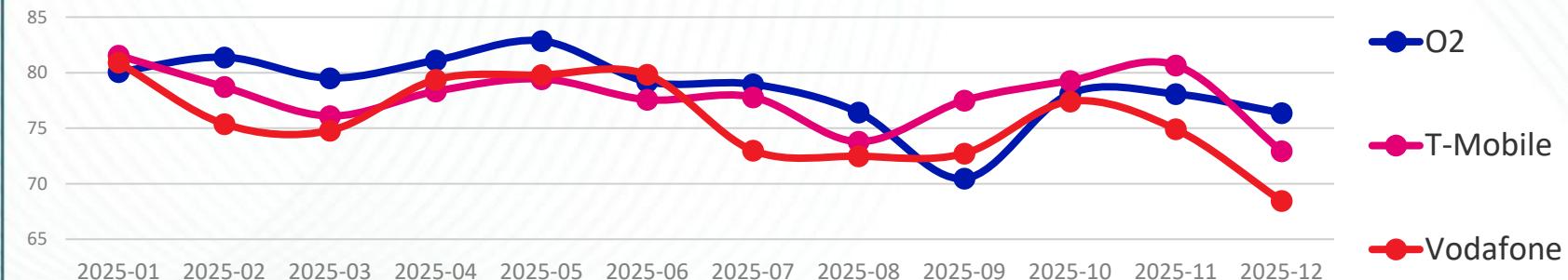
The subscribers of O2 enjoyed the best Mobile Internet Streaming Performance in 2025.

## Streaming Performance results ventilation (average)



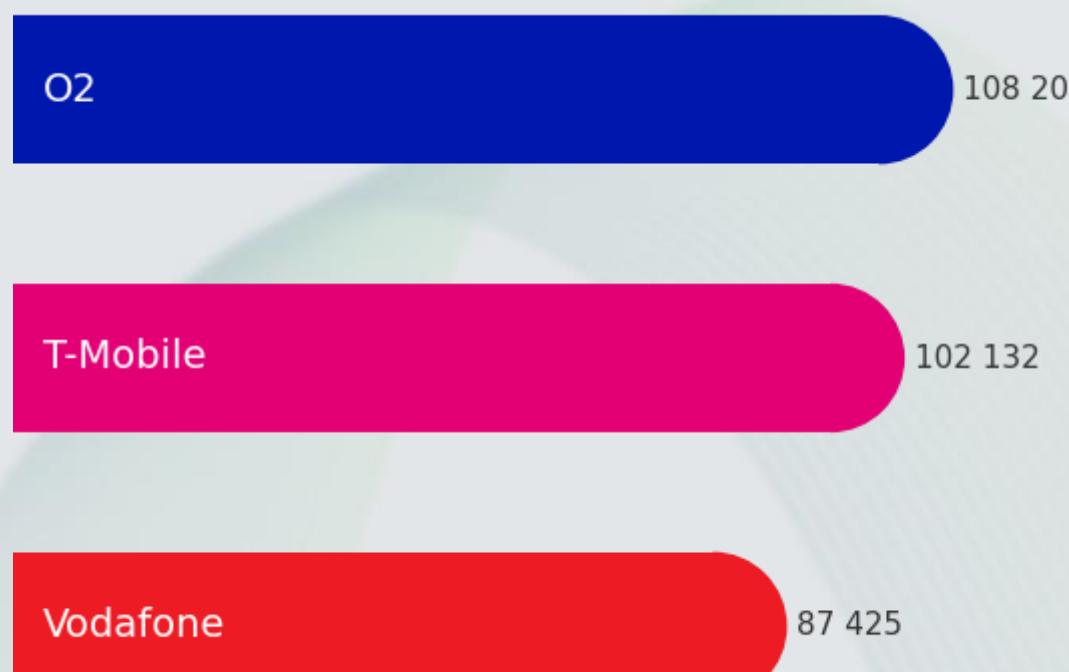
Source : nPerf.com

## Streaming Performance evolution over the year (average)



Source : nPerf.com

## nPerf QoE nPerf Score (nPoints)



Source : nPerf.com

The subscribers of O2 enjoyed the best 5G Internet in 2025.

Best performances 5G: O2

Fastest performances (Download Speed) 5G: O2

Fastest performances (Upload Speed) 5G: O2

5G connections with the lowest latency: O2

Best web browsing performances 5G: O2 and T-Mobile

Best streaming performances 5G: O2 and T-Mobile

Source : nPerf.com

O<sub>2</sub>

T-Mobile



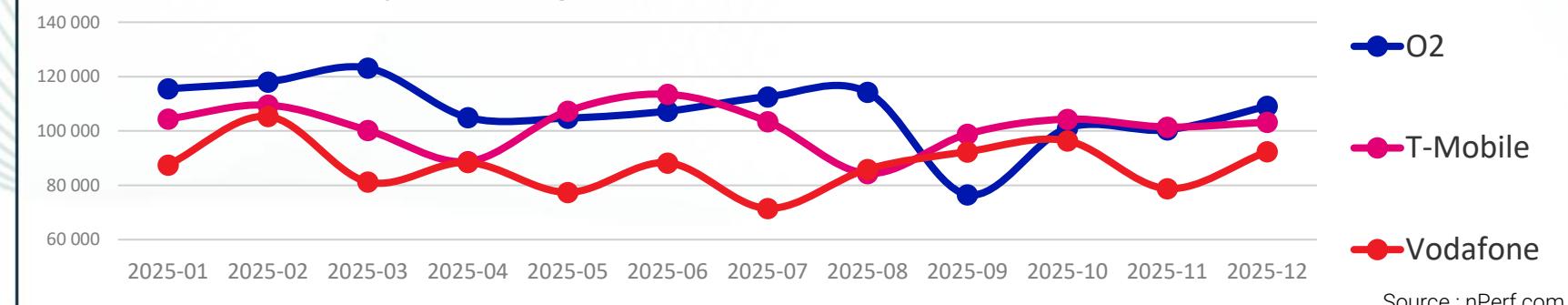
1

2

3

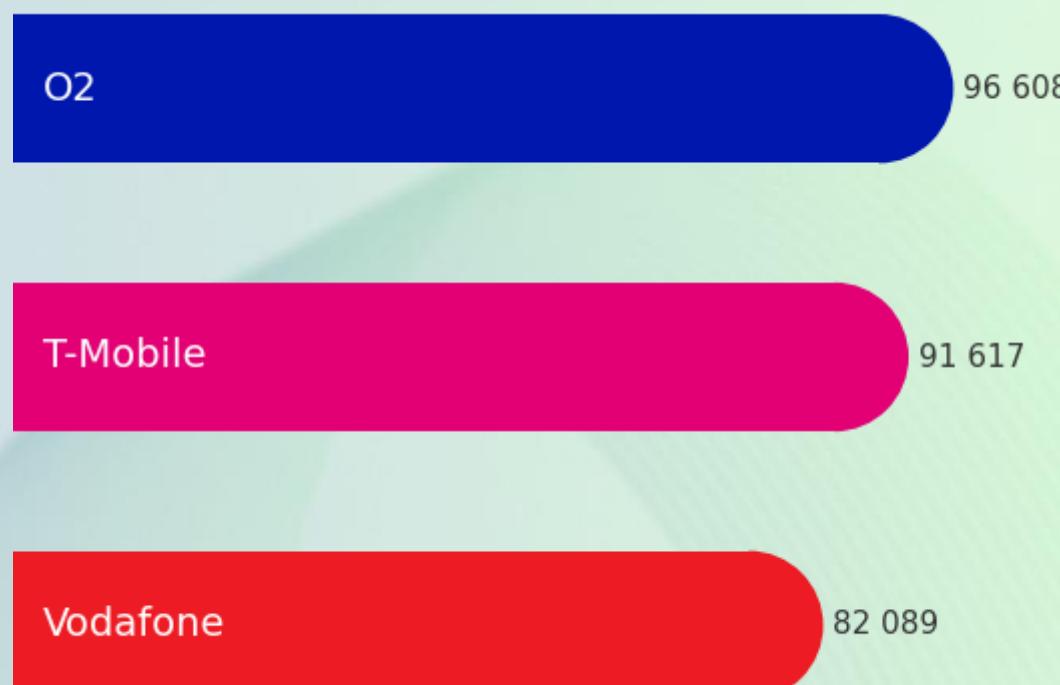
Source : nPerf.com

## 5G evolution over the year (average)



Source : nPerf.com

## nPerf QoE nPerf Score (nPoints)

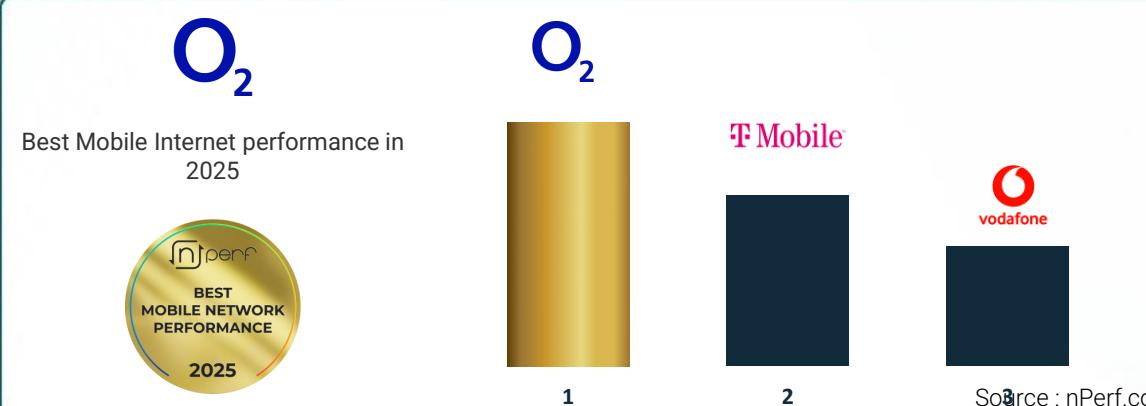


Source : nPerf.com

The subscribers of O2 enjoyed the best Mobile 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 QoE nPerf Score evolution over the year (average)

