

February 28, 2024



Barometer of mobile Internet connections in Ireland.

01/01/2023 - 31/12/2023



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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.



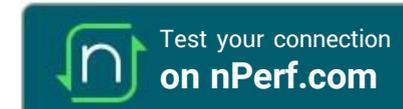
26Md+ coverage
scans in total.



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



2. Executive Summary



The subscribers of Vodafone enjoyed the best mobile Internet performances in Ireland during 2023.

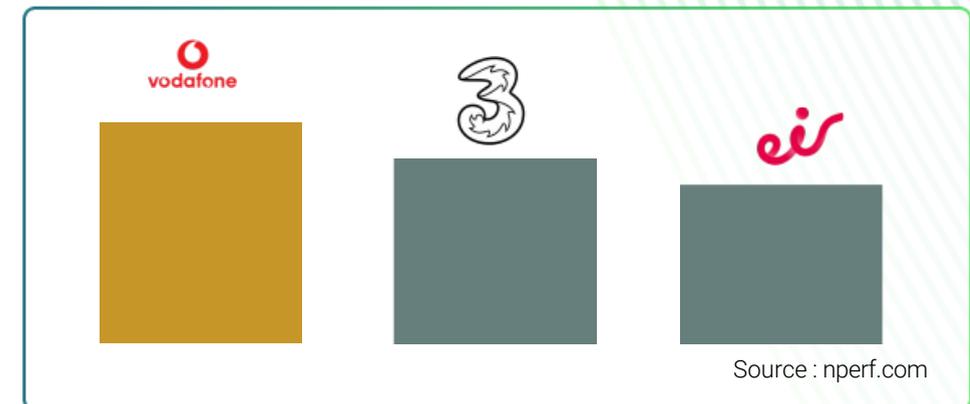
Cellular Internet connections in Ireland

| | Vodafone | Three | Eir |
|--------------------------|----------------|---------------|--------|
| nPerf Score (nPoints) | 111 946 | 98 632 | 88 591 |
| Download bitrates (Mb/s) | 100.40 | 105.55 | 56.23 |
| Upload bitrates (Mb/s) | 41.05 | 18.88 | 12.45 |
| Latency (ms) | 26.77 | 30.13 | 28.67 |
| Web browsing (%) | 83.81 | 76.91 | 77.14 |
| Youtube streaming (%) | 88.10 | 83.95 | 83.33 |

Source : nperf.com

Best mobile Internet performance in 2023

Source : nperf.com



The subscribers of Vodafone enjoyed the best 5G mobile connections in Ireland during 2023.

5G mobile connections in Ireland

| | Vodafone | Three | Eir |
|--------------------------|----------|---------|---------|
| nPerf Score (nPoints) | 134 715 | 122 119 | 101 474 |
| Download bitrates (Mb/s) | 205.13 | 228.70 | 92.50 |
| Upload bitrates (Mb/s) | 78.46 | 34.56 | 15.87 |
| Latency (ms) | 21.19 | 24.84 | 27.25 |
| Web browsing (%) | 87.21 | 84.10 | 82.15 |
| Youtube streaming (%) | 91.21 | 86.36 | 85.38 |

Source: nperf.com

3. Methodology



nPerf provides a free tool 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. After filtering, this study is based on **20 783 tests!**

For mobile connections, 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 from 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 main 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 user's perceived quality of the Internet network.

📺 Streaming performance :

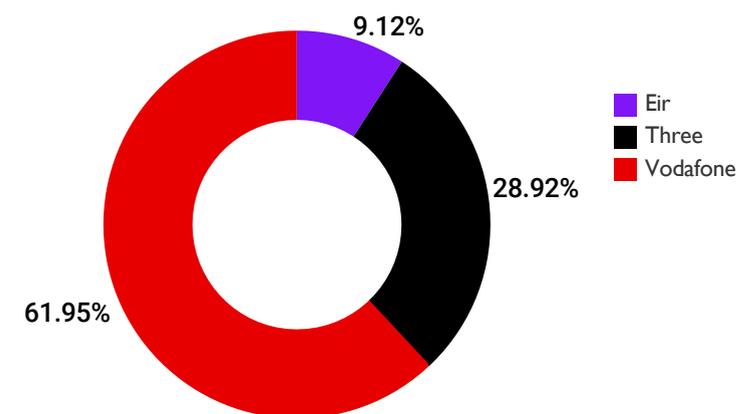
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the user's perceived quality of the Internet network.

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 3 % 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.

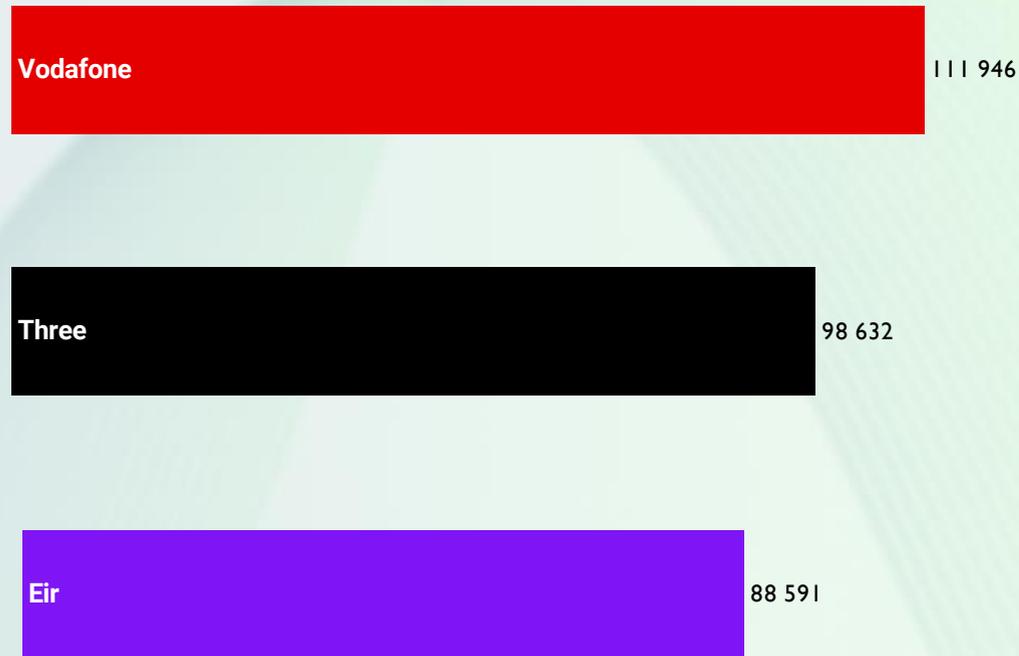
We only include national Internet service providers with test share above 5% share. The chart below shows the overall test distribution for each service provider.

Overall distribution of the tests per provider (ISPs Share)



Source : nperf.com

nPerf Score (nPoints)

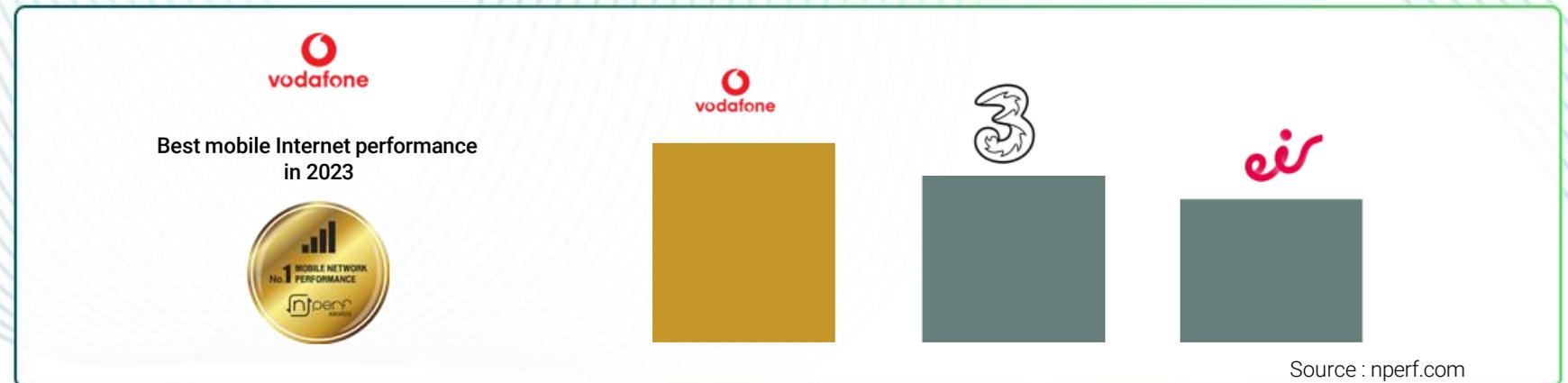


Source : nperf.com

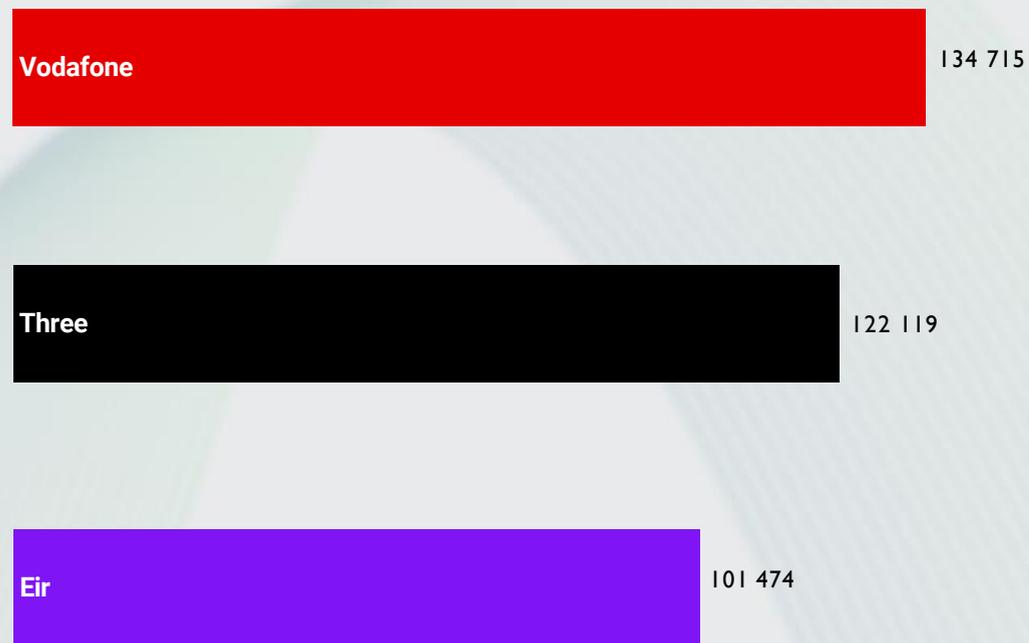
The subscribers of Vodafone enjoyed the best mobile Internet performances in Ireland during 2023.

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.



5G nPerf score (average)



Source : nperf.com

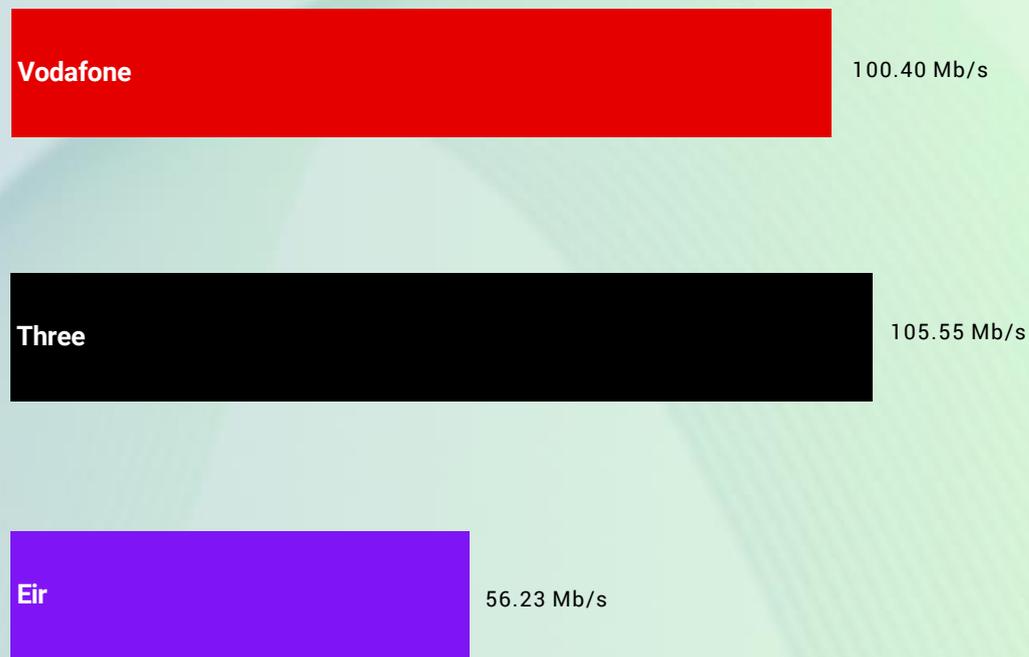
The subscribers of Vodafone enjoyed the best 5G mobile connections in Ireland during 2023.

- Best 5G Mobile Performance : Vodafone (134 715 nPoints)
- Best 5G Mobile Download speed : Three (228.70 Mb/s)
- Best 5G Mobile Upload speed : Vodafone (78.46 Mb/s)
- Best 5G Mobile Latency speed : Vodafone (21.19 ms)
- Best 5G Mobile Browsing experience : Vodafone (87.21 %)
- Best 5G Mobile Video experience : Vodafone (91.21 %)

Source : nperf.com



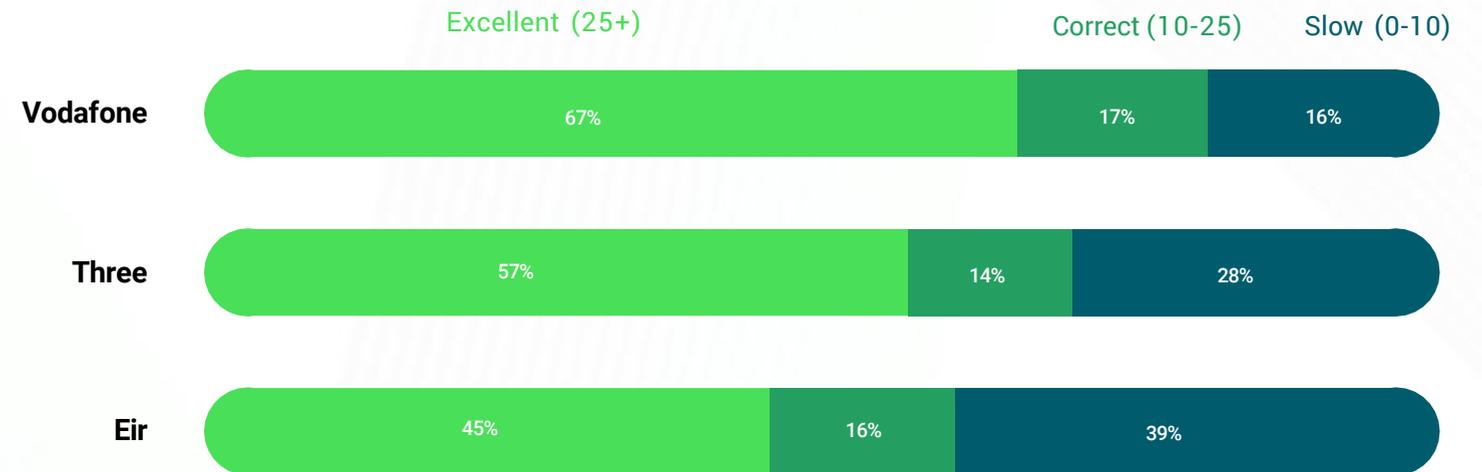
Download Speed (average)



Source : nperf.com

The subscribers of Three enjoyed the best average mobile Internet download speed in 2023.

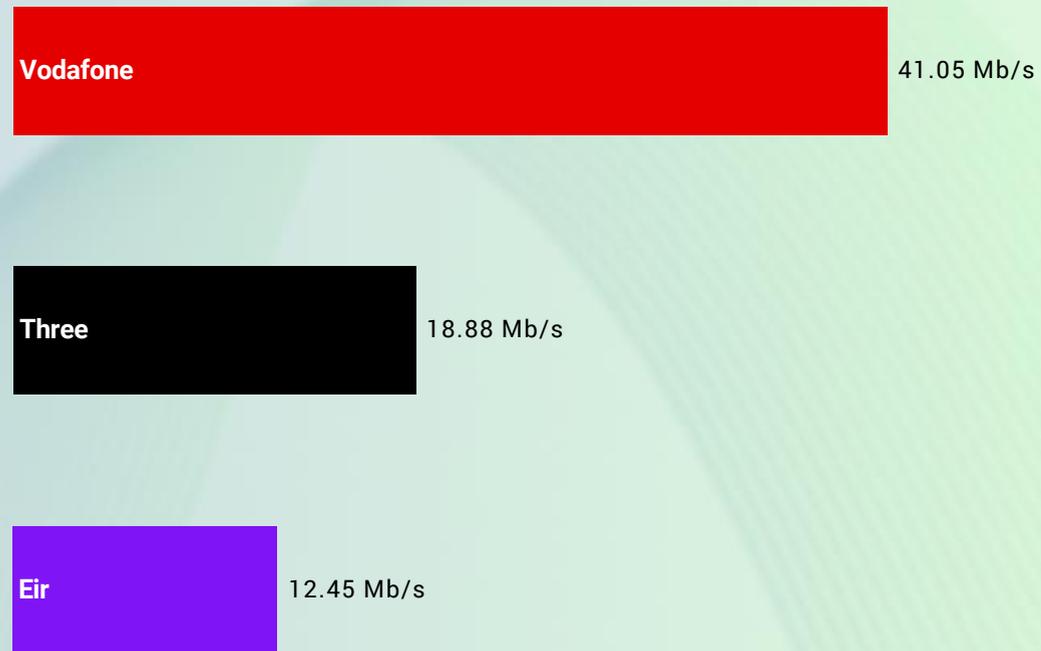
Download Speed results ventilation (average)



Source : nperf.com



Upload Speed (average)



Source : nperf.com

The subscribers of Vodafone enjoyed the best average mobile Internet upload speed in 2023.

Upload Speed results ventilation (average)



Source : nperf.com



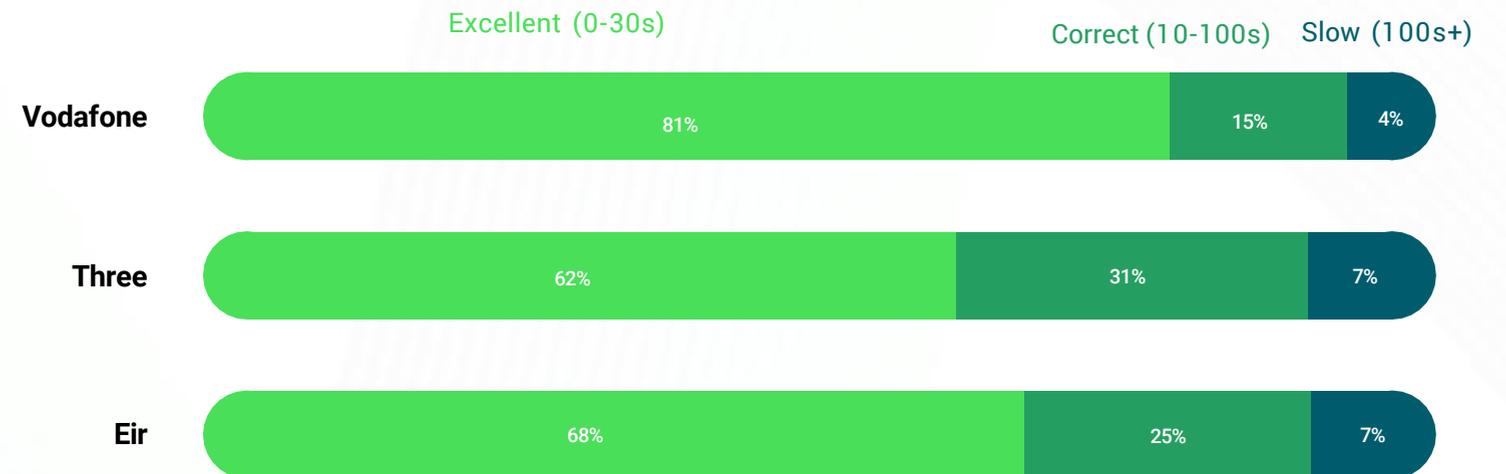
Latency Speed (average)



Source : nperf.com

The subscribers of Vodafone enjoyed the best average mobile Internet latency speed in 2023.

Latency Speed results ventilation (average)



Source : nperf.com



Browsing Performance rate (average)



Source : nperf.com

The subscribers of Vodafone enjoyed the best mobile Internet browsing performance in 2023.

Browsing Performance results ventilation (average)



Source : nperf.com



Streaming Performance rate (average)



Source : nperf.com

The subscribers of Vodafone enjoyed the best mobile Internet streaming performance in 2023.

Streaming Performance results ventilation (average)



Source : nperf.com



We qualify your connection