

01/31/2025

Barometer of mobile Internet connections in Venezuela (Bolivarian Republic of)

01/01/2024 - 12/31/2024



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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.



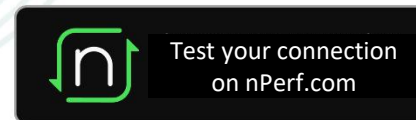
26Md+ coverage
scans in total.



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 Digitel enjoyed the best mobile Internet performances in 2024.

Mobile Internet connections in Venezuela (Bolivarian Republic of)

	Digitel	Movilnet	Movistar
▼ Download bitrates (Mb/s)	14.09	8.26	9.55
▲ Upload bitrates (Mb/s)	6.59	2.10	5.58
◀▶ Latency (ms)	96.73	110.12	86.55
🌐 Web browsing (%)	50.56	36.07	46.00
🎥 Youtube streaming (%)	64.58	57.60	68.15
📶 nPerf Score (nPoints)	37 767	22 425	33 868

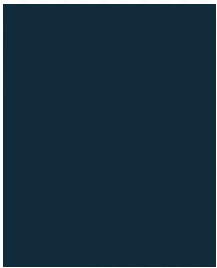
Source : nperf.com



Best mobile Internet performance
in 2024



Source : nperf.com



Source : nperf.com

The subscribers of Digitel enjoyed the best 4G Internet performances in Venezuela (Bolivarian Republic of) in 2024.

4G mobile Internet connections in Venezuela (Bolivarian Republic of)

	Digitel	Movilnet	Movistar
 Download bitrates (Mb/s)	15.79	8.16	12.55
 Upload bitrates (Mb/s)	7.62	2.96	7.43
 Latency (ms)	95.58	104.97	84.42
 Web browsing (%)	51.43	38.95	47.45
 Youtube streaming (%)	65.70	62.85	69.98
 nPerf Score (nPoints)	40 193	25 655	38 788

Source : nperf.com

Introduction

2024 reveals significant changes and performances in Venezuela's mobile technology sector. The focus is on the Score nPerf, highlighting the evolution of the country's overall score. In 2024, Digitel emerged leader. The sector winners display strong performances across various KPIs such as Download, Upload, Latency, Browsing, and Video Streaming, along with dominance in 4G focus. The positive trends and key strengths are evident in these advancements.

Movistar: leader in Latency and Video Streaming.

The operator excels in Latency with a record of 86.55 ms and Video Streaming with an impressive score. Furthermore. The operator demonstrates significant improvements, with a notable 40.8% increase in its overall score. Movistar's contribution to the sector's growth is marked by its strengths in Latency and Video Streaming.

Digitel: leader with exceptional performances in Download and Upload speed.

For the period under review, Digitel stands out as a leader, achieving remarkable performances in Download and Upload speed categories. The operator maintains its leadership in Download with a rate of 14.09 Mbps and in Upload with 6.59 Mbps. Additionally, Digitel holds a leader position in Browsing, showcasing its well-rounded capabilities. The operator's score increased by 27.6%, reflecting its significant impact on the sector's overall development.

Movilnet: Excellence in sector contribution.

Movilnet, while not a leader, significantly contributes to the sector with its solid performance. The operator's score saw a 34.9% improvement, highlighting its positive trajectory. Movilnet's steady progress in enhancing its services underscores its important role in the competitive landscape of mobile technology in Venezuela.

Conclusion

The telecom sector in Venezuela for 2024 is characterized by strong performances from leader Digitel, with each excelling in specific KPIs such as Latency, Video Streaming, Download, and Upload. The focus on 4G demonstrates the sector's commitment to advancing mobile technology. The competitiveness and strengths of the operators suggest a promising future for Venezuela's mobile internet sector.

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 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 perceived quality by the user.

📺 Streaming performance

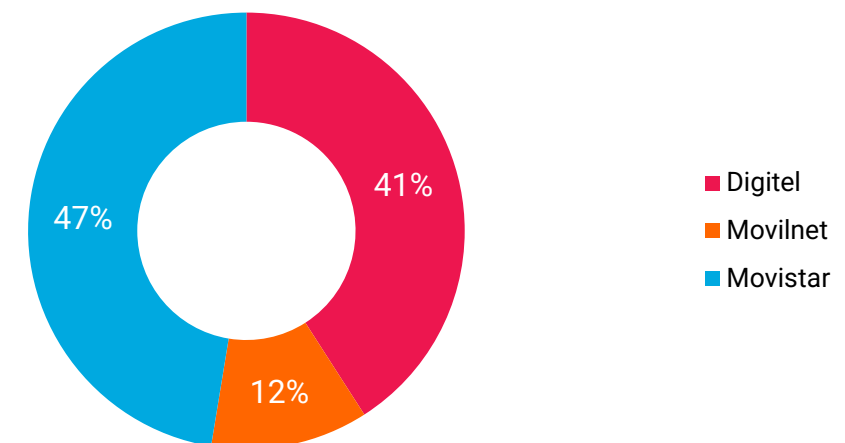
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

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 3.0% precision for absolute values, 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.

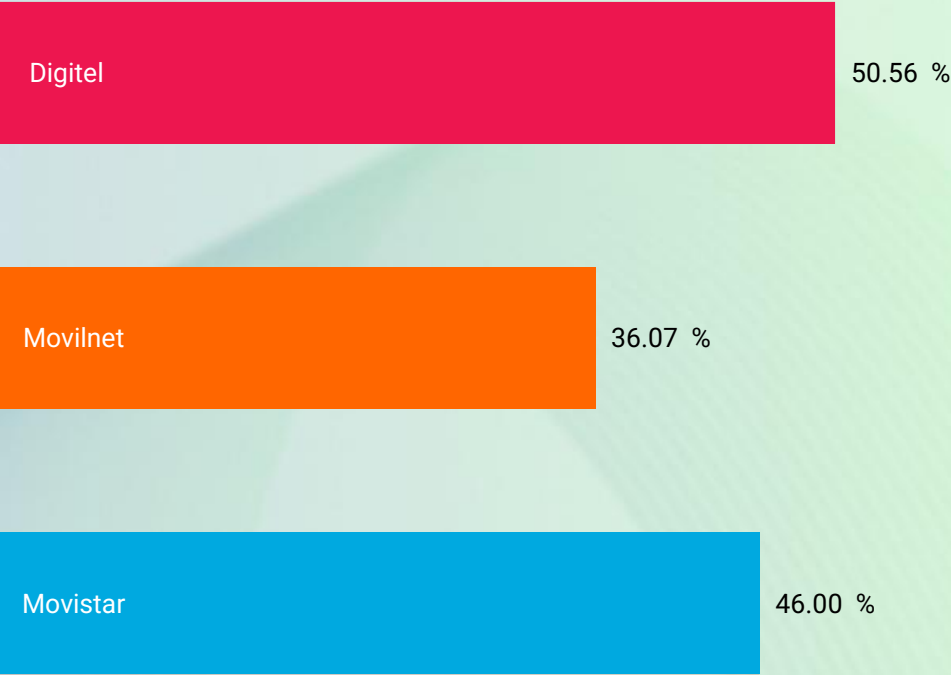
Overall distribution of the tests per provider (ISPs Share)



Source : nperf.com



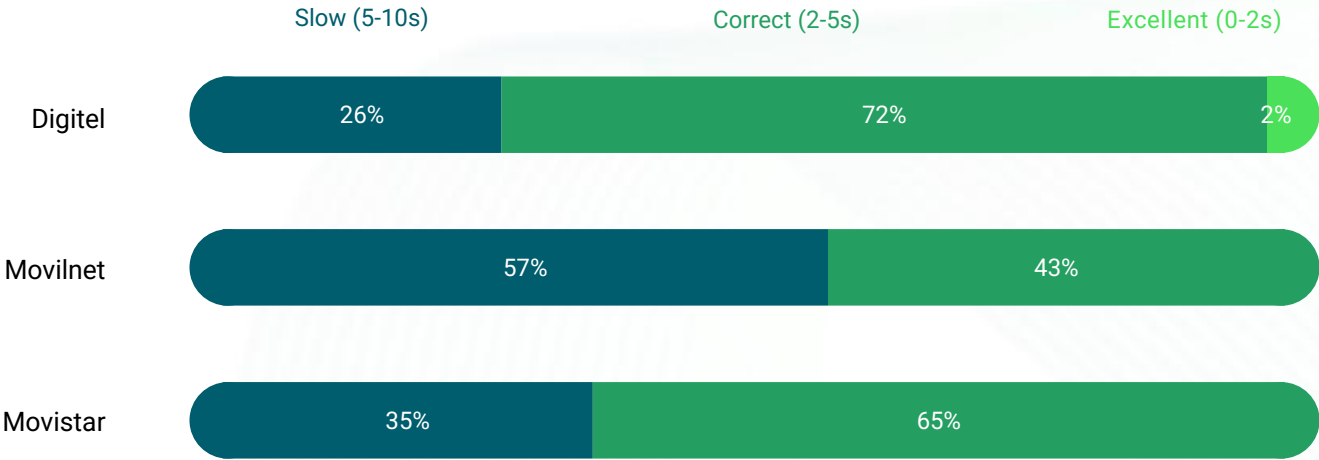
Browsing Performance rate (average)



Source : nperf.com

The subscribers of Digitel enjoyed the best mobile Internet browsing performance in 2024.

Browsing Performance results ventilation (average)



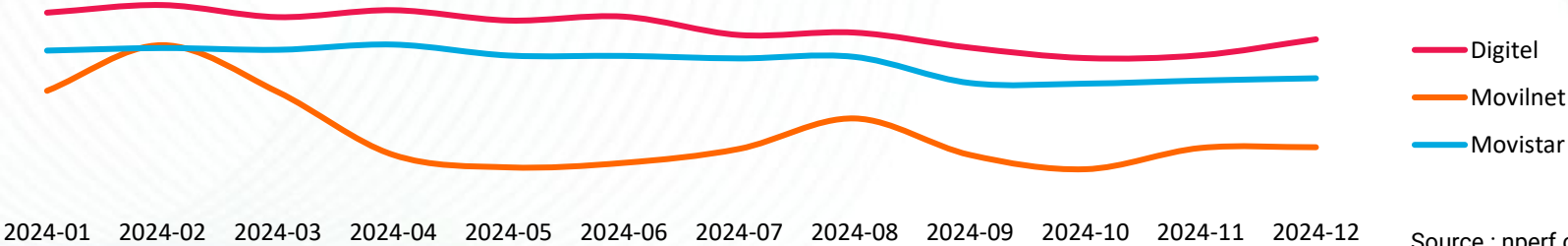
Source : nperf.com

Browsing Performance rate (average)



Source : nperf.com

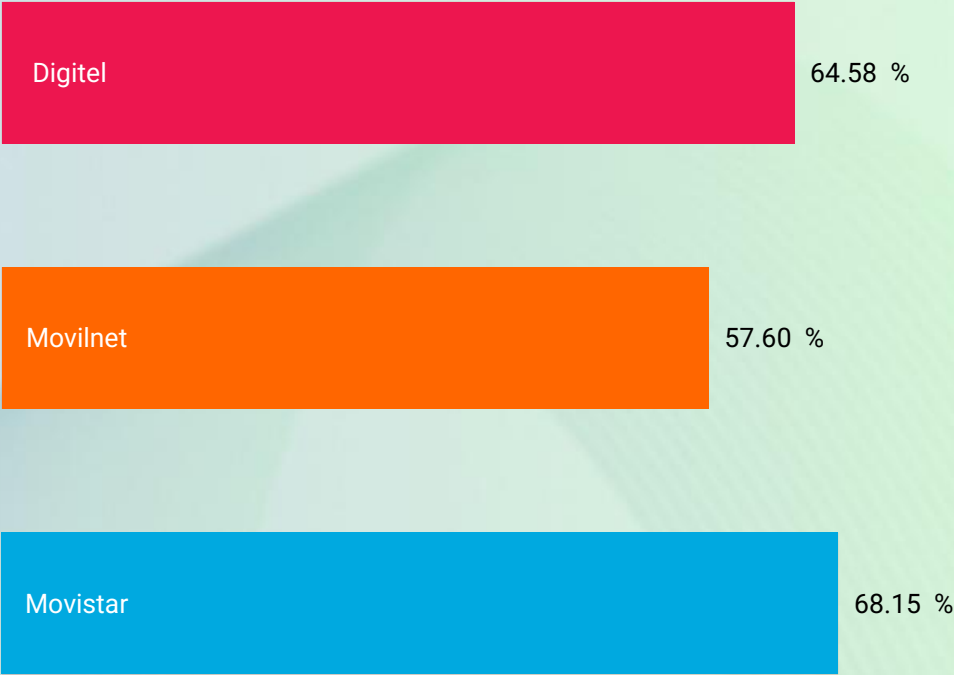
Browsing performance rate (average) evolution over the year



Source : nperf.com



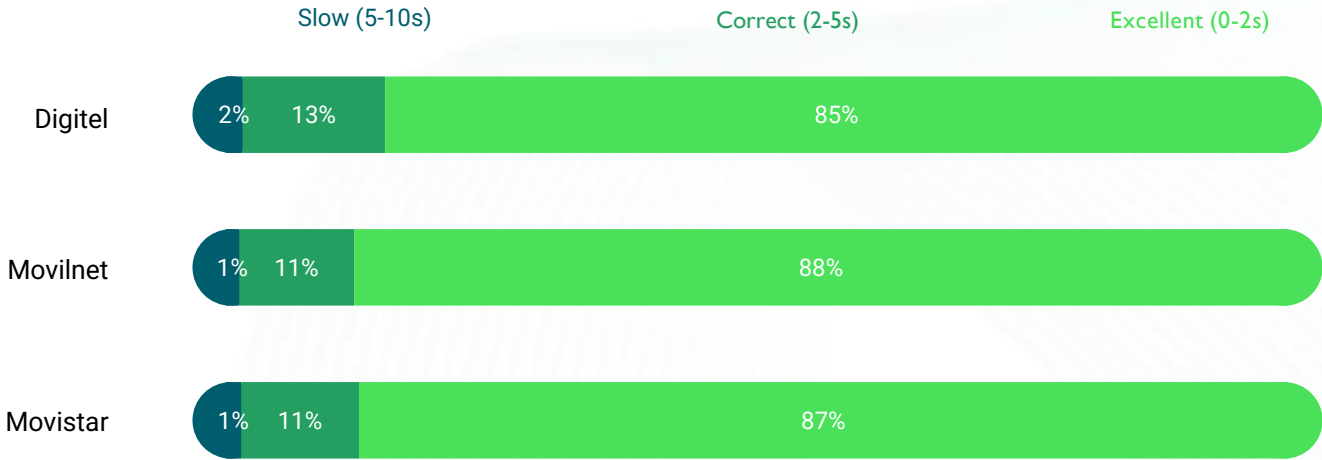
Streaming Performance rate (average)



Source : nperf.com

The subscribers of Movistar enjoyed the best mobile Internet streaming performance in 2024.

Streaming Performance results ventilation (average)



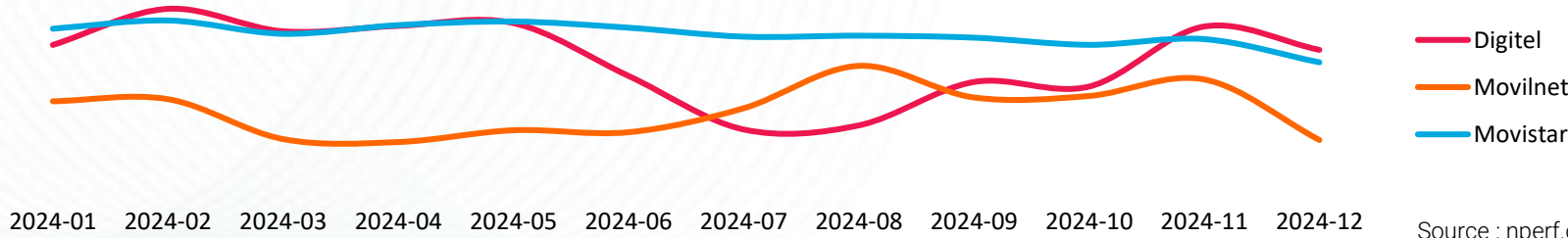
Source : nperf.com

Streaming Performance rate (average)



Source : nperf.com

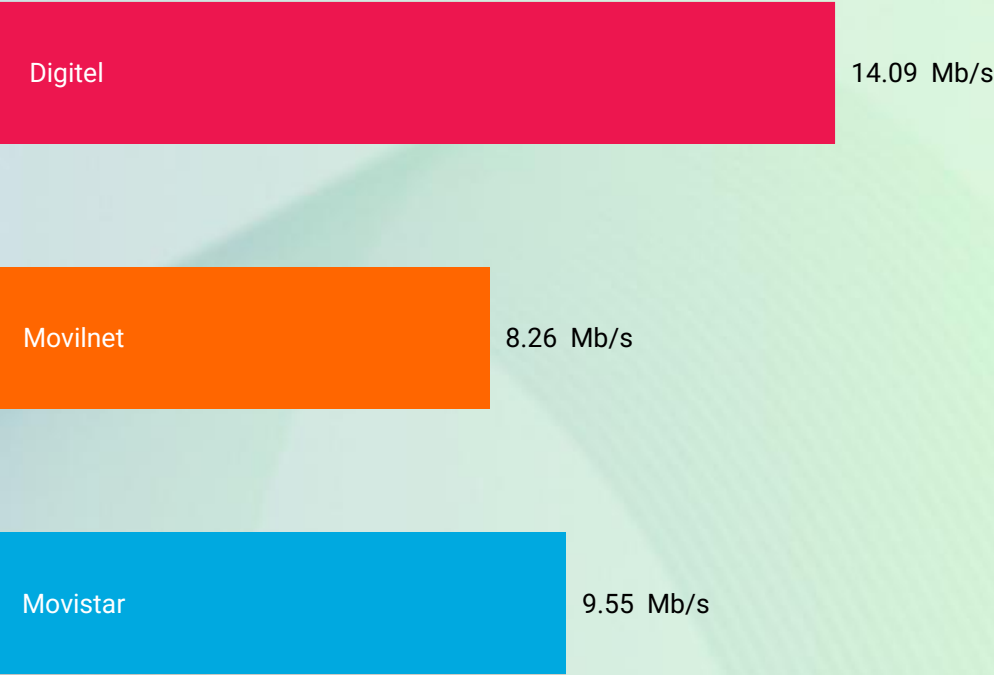
Streaming performance rate (average) evolution over the year



Source : nperf.com



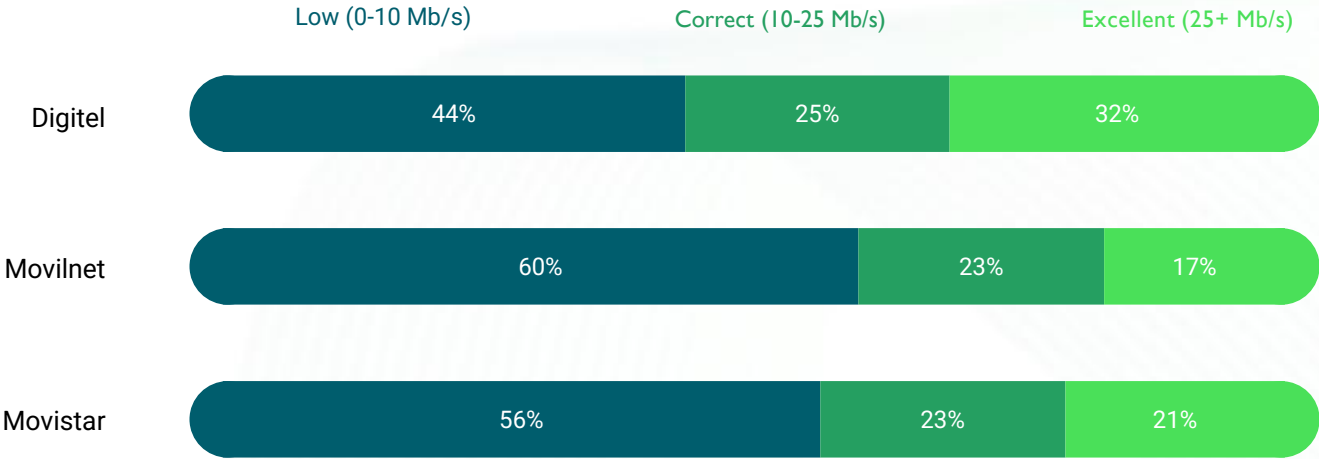
Download Speed (average)



Source : nperf.com

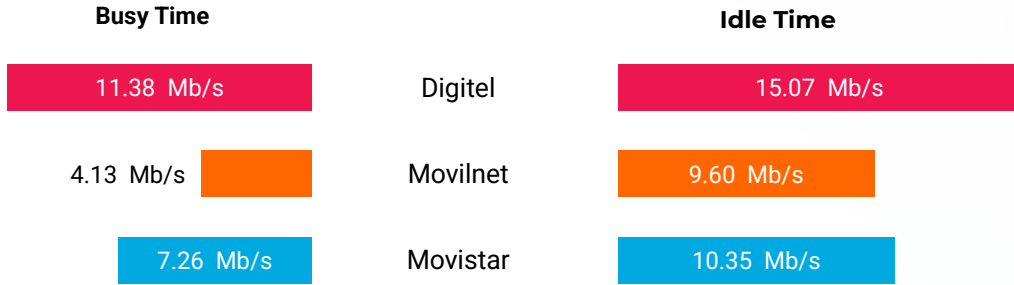
The subscribers of Digitel enjoyed the best average mobile Internet download speed in 2024.

Download Speed results ventilation (average)



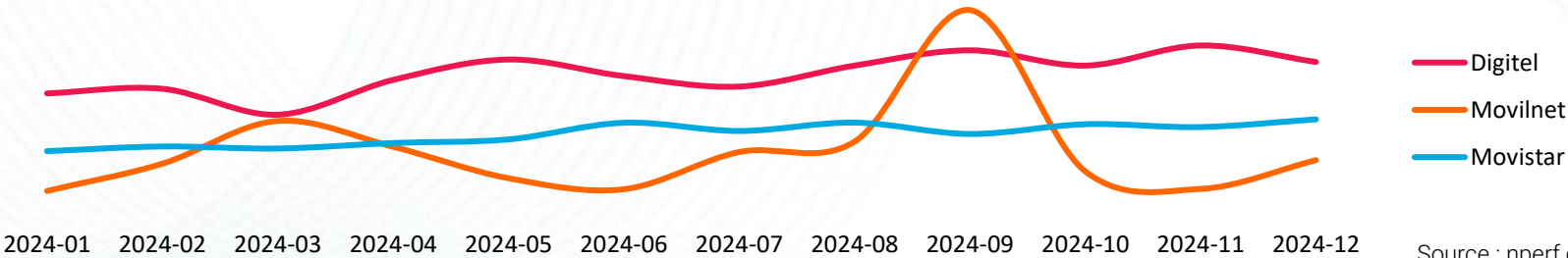
Source : nperf.com

Download Speed (average)



Source : nperf.com

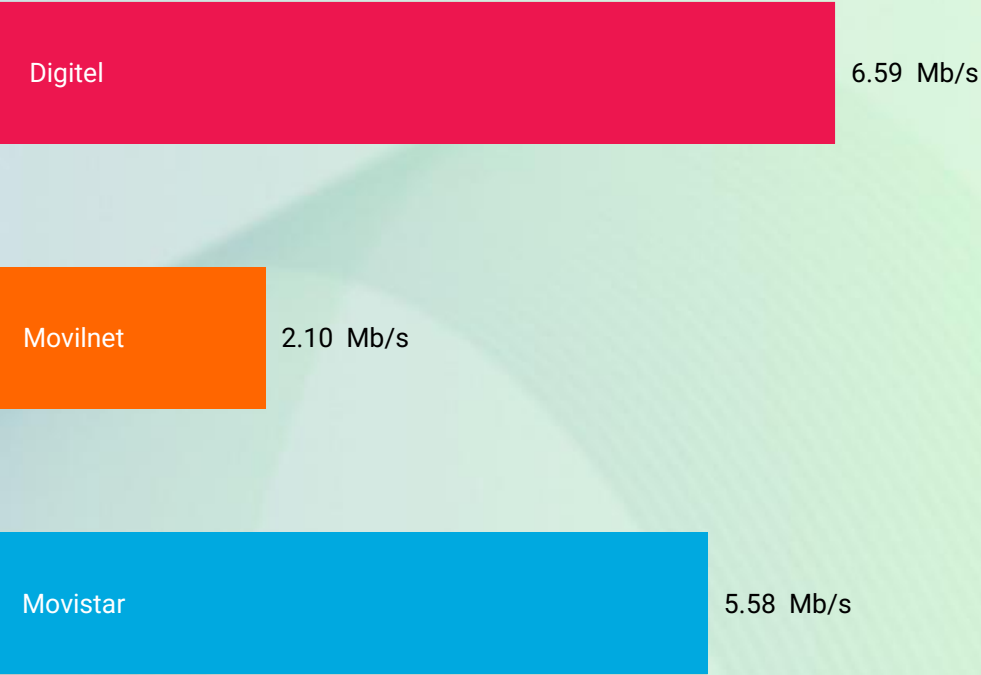
Download Speed evolution over the year (average)



Source : nperf.com



Upload Speed (average)



Source : nperf.com

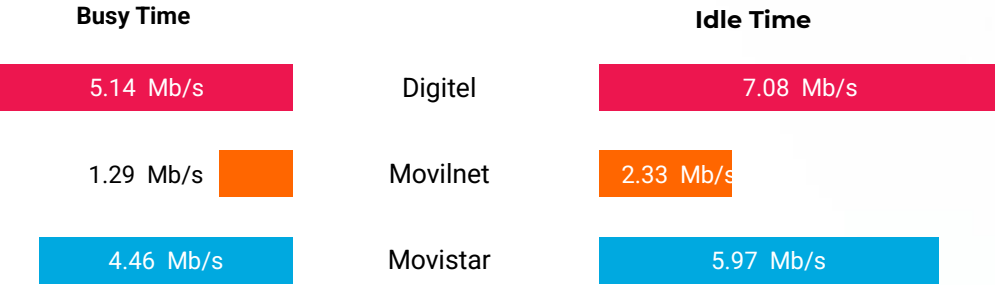
The subscribers of Digitel enjoyed the best average mobile Internet upload speed in2024.

Upload Speed results ventilation (average)



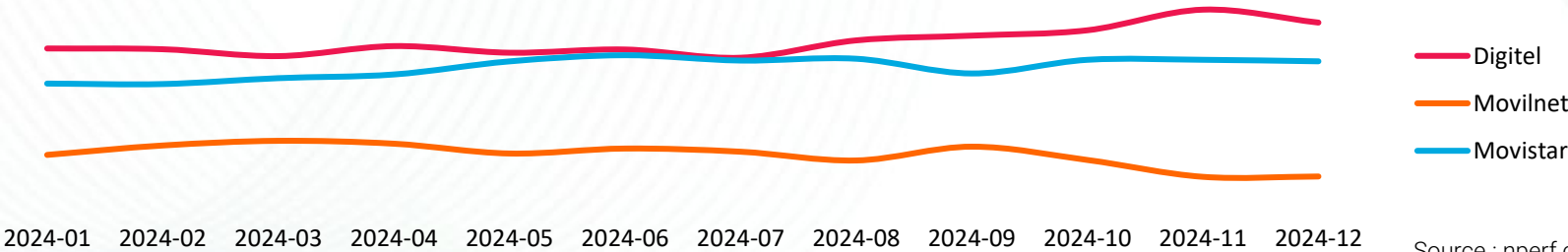
Source : nperf.com

Upload Speed (average)



Source : nperf.com

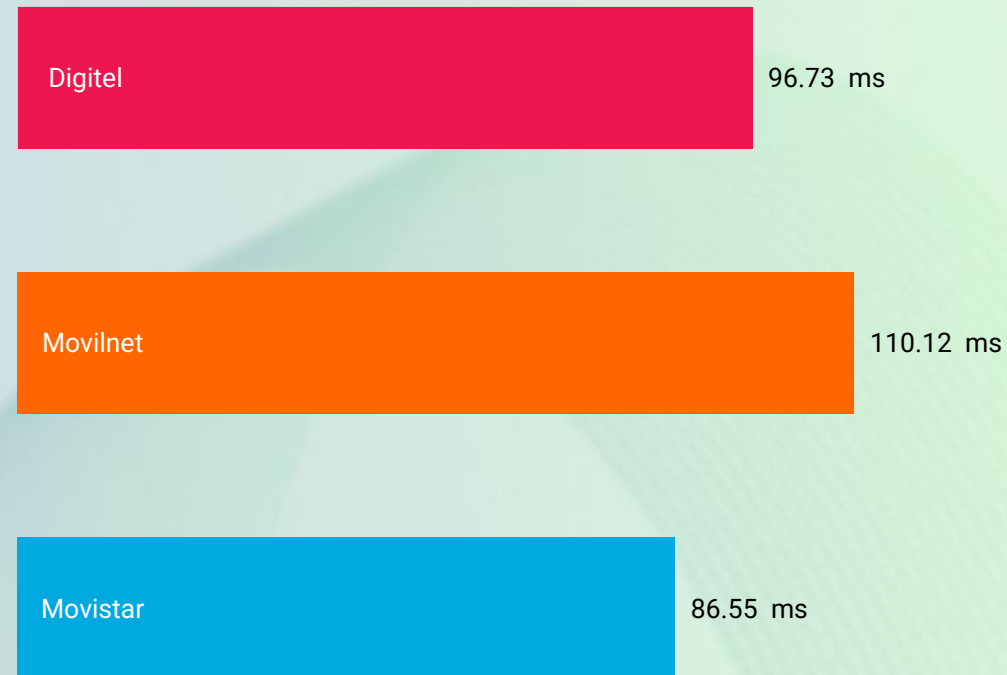
Upload Speed evolution over the year (average)



Source : nperf.com



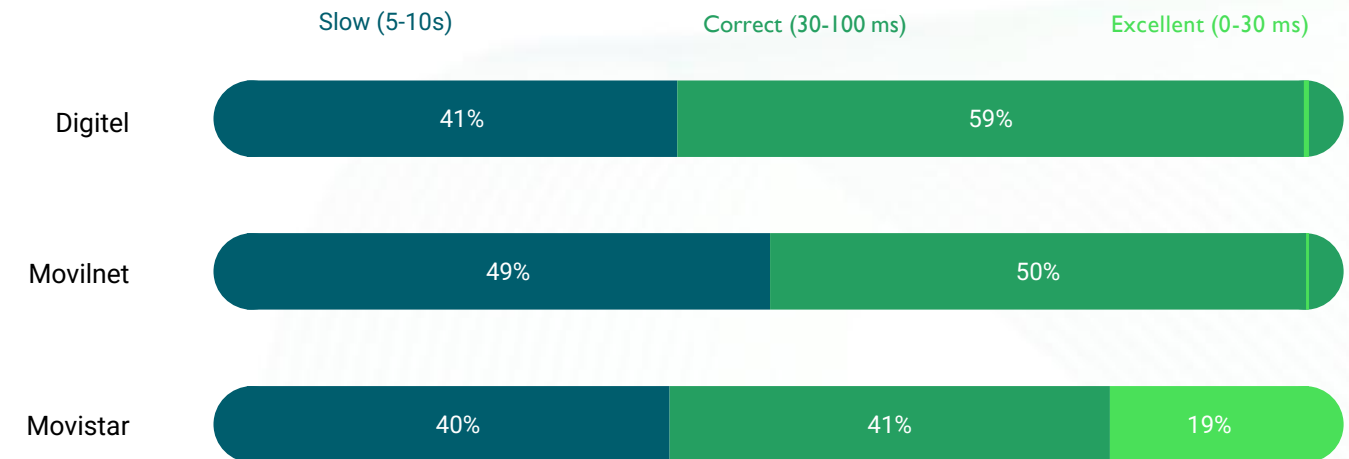
Latency Speed (average)



Source : nperf.com

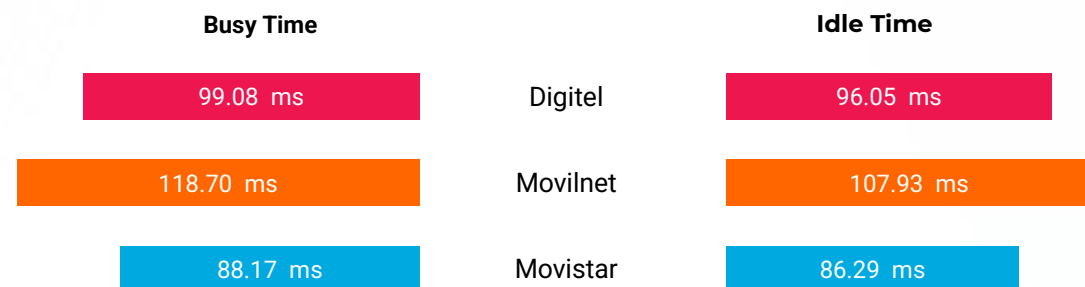
The subscribers of Movistar enjoyed the best average mobile Internet latency speed in 2024.

Latency Speed results ventilation (average)



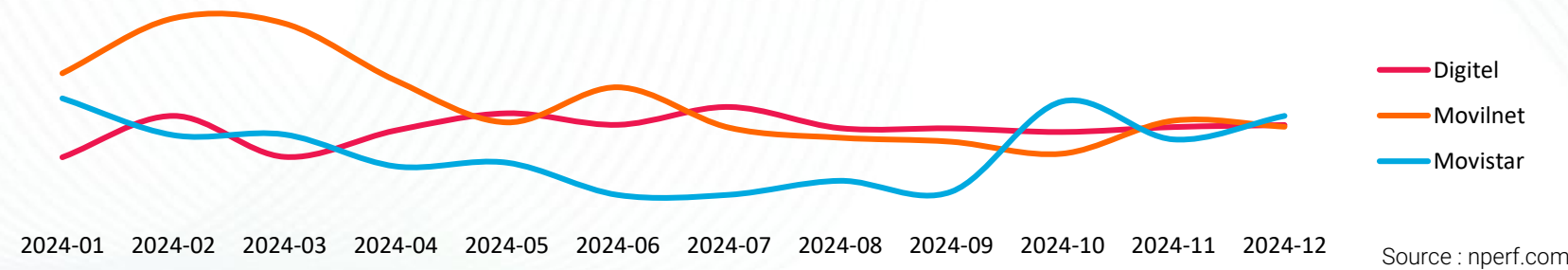
Source : nperf.com

Latency Speed (average)



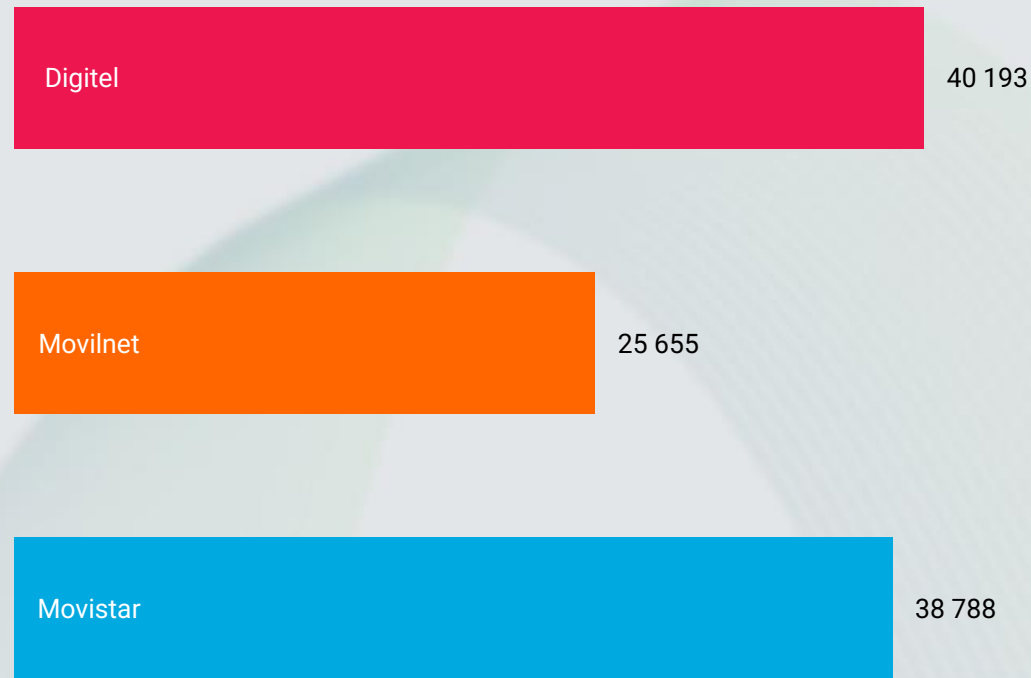
Source : nperf.com

Latency Speed evolution over the year (average)



Source : nperf.com

nPerf Score (nPoints)



Source : nperf.com

The subscribers of Digitel enjoyed the best 4G Internet performances in 2024.

- Best performances 4G: Digitel
- Best web browsing performances 4G: Digitel
- Best video streaming performances 4G: Movistar
- Fastest performances (Download) 4G: Digitel
- Fastest performances (Upload) 4G: Digitel and Movistar
- 4G connections with the lowest latency: Movistar

Source : nperf.com

DIGITEL®



Movistar

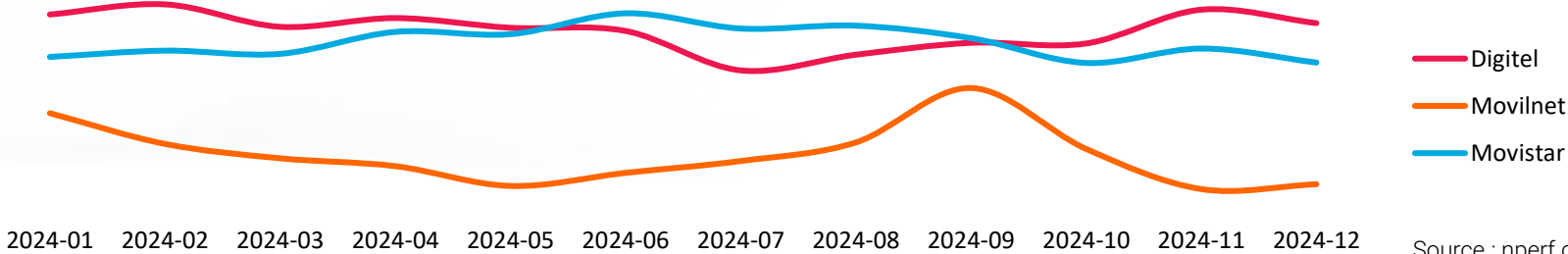


movilnet
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Source : nperf.com

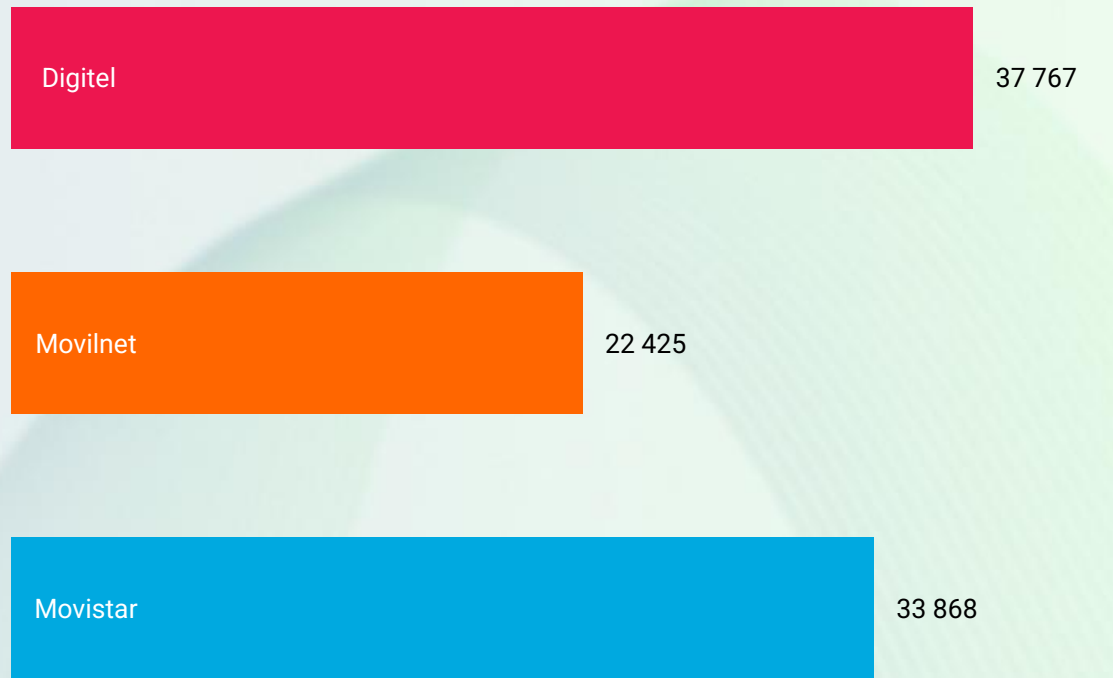
nPerf score evolution over the year (average)



Source : nperf.com



nPerf Score (nPoints)

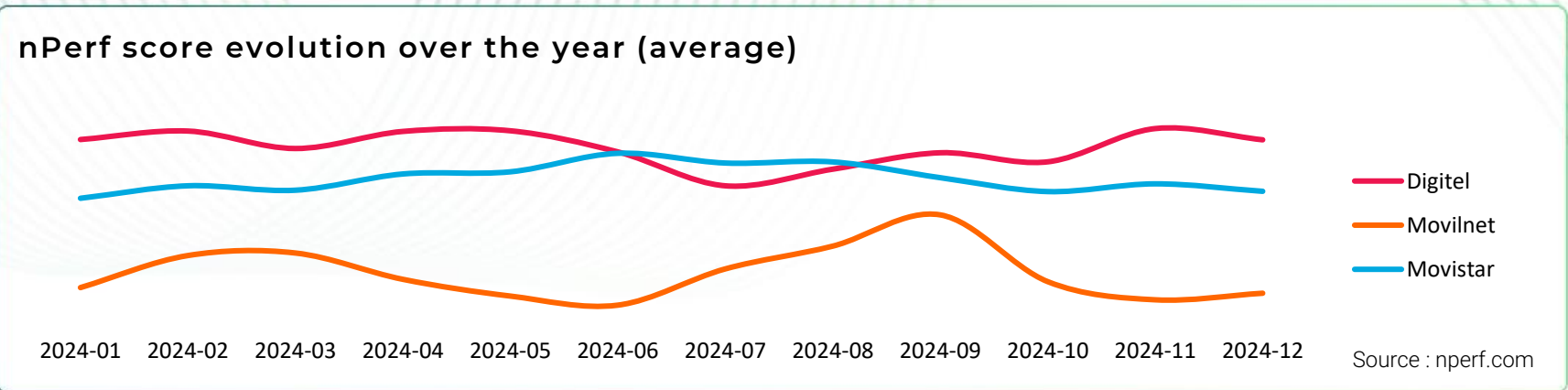
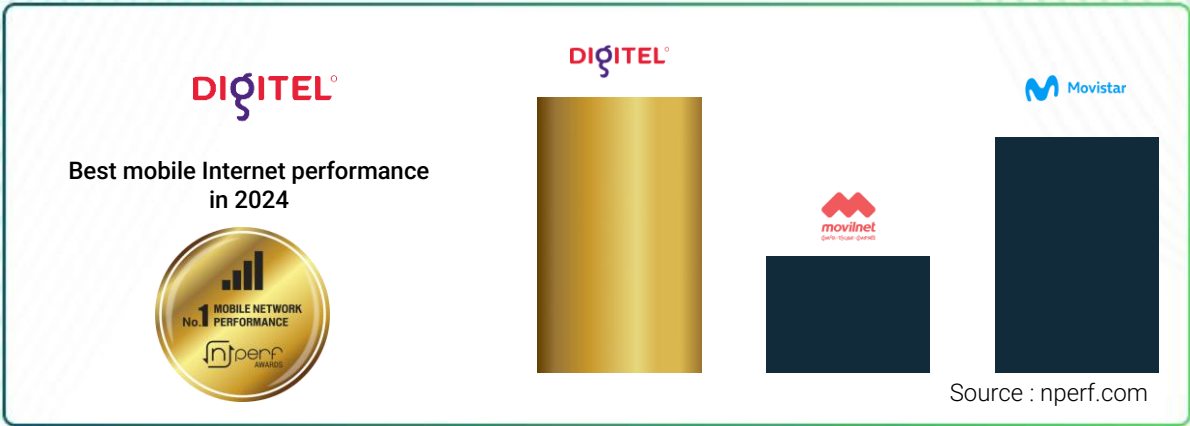


Source : nperf.com

The subscribers of Digitel enjoyed the best mobile Internet performances in 2024.

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



The background features a series of thin, light-colored wavy lines that create a sense of motion and depth across the dark blue field.

inperf