

April 2026



Barometer of mobile Internet connections in India

04/01/2025 - 03/31/2026



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nPerf**

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**nPerf Network
assessment**



An independent authority in network performance

nPerf is an independent French Internet performance measurement platform, powered by real user experience. By turning millions of individual measurements into connectivity insights, nPerf helps operators enhance their networks and contributes to building a faster, more reliable Internet for everyone.

 **300k+** tests daily worldwide.

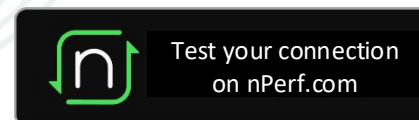
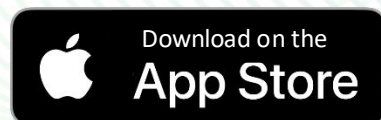
 **26Md+** coverage scans in total.

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

A comprehensive suite of tools to measure real-world connectivity

nPerf provides a complete ecosystem of complete measurement tools designed to capture the true quality of fixed, mobile, and Wi-Fi connections with precision, reaching speeds of up to 10 Gbps.

Users test. Operators learn. Everyone benefits.



2. Executive Summary



The subscribers of Airtel enjoyed the best Mobile Internet performances in 2026 in India.

Mobile Internet performance in India

	Airtel	BSNL	Jio	Vi
▼ Download bitrates (Mb/s)	62.38	7.43	63.43	18.93
▲ Upload bitrates (Mb/s)	10.16	2.94	6.00	5.67
◀▶ Latency (ms)	63.32	83.11	67.38	123.43
🌐 Web browsing (%)	59.86	49.68	60.57	59.02
📺 Youtube streaming (%)	71.46	57.75	65.98	71.94
nPerf Score (nPoints)	63 725	27 453	58 484	43 939

Source: nPerf.com



Best Mobile Internet performance
in 2026



Source: nPerf.com


nPerf Podium



Source: nPerf.com

The subscribers of Airtel enjoyed the best 5G Internet in 2026 in India.

Mobile Internet performance in India

	Airtel	BSNL	Jio	Vi
▼ Download bitrates (Mb/s)	113.81	15.11	94.22	75.80
▲ Upload bitrates (Mb/s)	16.84	5.45	8.97	14.51
◀▶ Latency (ms)	58.98	66.49	62.09	111.60
🌐 Web browsing (%)	63.47	55.23	64.71	67.56
📺 Youtube streaming (%)	74.76	57.43	72.09	77.66
 nPerf Score (nPoints)	77 016	39 044	70 339	70 413

Source : nPerf.com

The best mobile Internet performance in India for the period April 2025 – March 2026 reveals a competitive landscape shaped by contrasting trajectories. Airtel consolidates its position at the top of the overall rankings, while Jio remains a strong contender across key metrics. Vi demonstrates encouraging momentum, and BSNL, though still trailing, shows measurable progress. Together, these results paint a picture of a maturing sector where network investment and 5G rollout are increasingly decisive factors.

Airtel: A Dominant Force Across All Metrics

Airtel has long been a frontrunner in India's mobile landscape, and the 2025–2026 period marks a new milestone for the operator. After finishing second overall in the previous period, Airtel climbs to 1st place in the overall rankings with a score of 63,725 – surpassing Jio's previous leading score of 69,354. Airtel leads on every single KPI in the overall category: Download speed (Mb/s) at 62.38, Upload speed (Mb/s) at 10.16, Latency (ms) at 63.32, Web Browsing (%) at 59.86, and Youtube streaming (%) at 71.46. On 5G, Airtel retains its leadership for the fourth consecutive year, topping the rankings for Download speed (Mb/s) at 113.81, Upload speed (Mb/s) at 16.84, and Latency (ms) at 58.98. This consistent upward trajectory across five years of nPerf barometers confirms Airtel's strategic investment in network quality and 5G infrastructure. Notably, Airtel's overall lead over the sector is widening compared to the previous period – both overall and on 5G – a signal that the gap between the leader and its competitors is actively growing.

Jio: Download King Facing a Score Setback

Jio has historically dominated India's mobile sector, and its legacy of performance remains visible in this period's data. Over five consecutive years, Jio has led on Download speed (Mb/s) and Web Browsing (%) in the overall category – a remarkable record of consistency. In the current period, Jio posts a Download speed (Mb/s) of 63.43, fractionally ahead of Airtel's 62.38, and a Web Browsing (%) score of 60.57. However, Jio's overall score drops to 58,484, falling from 1st to 2nd place. On 5G, Jio slips to co-2nd with a score of 70,339, compared to 90,171 the previous year – a significant decline, particularly in Download speed (Mb/s), which fell from 180.95 to 94.22. Upload speed (Mb/s) also decreased from 15.88 to 8.97, and Youtube streaming (%) dropped from 82.71 to 72.09. Despite maintaining its five-year positive score trend overall, the regression on 5G metrics is a notable development to watch.

Vi: Rising Challenger With New Achievements

Vi enters this period with a series of firsts that signal genuine competitive progress. For the first time, Vi ranks 1st overall in both Web Browsing (%) at 59.02 and Youtube streaming (%) at 71.94 – a meaningful achievement in two user-centric metrics. On 5G, Vi similarly claims 1st place for the first time in Web Browsing (%) at 67.56 and Youtube streaming (%) at 77.66. Vi's Download

speed (Mb/s) overall grew by +23% year-on-year, from 15.44 to 18.93, reflecting continued network investment. Vi also maintains a consistent upward overall score trend across five years, now sitting at 43,939. These results are encouraging for an operator that has faced structural challenges in recent years, and they demonstrate that Vi is actively improving its user experience in key quality-of-service areas.

BSNL: Steady Progress From a Low Base

BSNL remains 4th overall with a score of 27,453, but the operator's trajectory is one of the most noteworthy stories of this period. Its Upload speed (Mb/s) overall surged by +116% year-on-year, rising from 1.36 to 2.94 – the strongest relative improvement of any metric across any operator in this dataset. Download speed (Mb/s) also more than doubled from 3.65 to 7.43, and Web Browsing (%) improved significantly from 39.21 to 49.68. Like its competitors, BSNL sustains a consistent upward overall score trend across five years – a sign that incremental network upgrades are translating into real user-facing improvements. While BSNL still trails significantly in absolute terms, the pace of improvement is accelerating.

What to Watch in the Next Period

The Indian mobile sector is entering a phase of intensifying competition, and the next nPerf barometer period will be critical for all four operators.

Airtel must sustain its momentum on 5G, where the score has declined from 92,111 to 77,016. Maintaining leadership in Latency (ms) and Upload speed (Mb/s) – its strongest differentiators – while closing any remaining gaps in Web Browsing (%) and Youtube streaming (%) will be key to preserving its overall dominance.

Jio faces its most pressing challenge on 5G, where the drop in Download speed (Mb/s) and Upload speed (Mb/s) is substantial. Recovering its 5G performance, while defending its long-standing leads in Download speed (Mb/s) and Web Browsing (%) overall, will determine whether it can reclaim the top overall position.

Vi should focus on translating its user-experience strengths – particularly in streaming and browsing – into improvements in raw throughput metrics. Closing the gap in Download speed (Mb/s) and Upload speed (Mb/s), both overall and on 5G, would make Vi a far more rounded competitor and a genuine threat to the top two.

BSNL needs to consolidate its upload and download gains while addressing its persistent weakness in Latency (ms) overall, which at 83.11 ms remains the worst in the sector. Improving network responsiveness will be essential if BSNL is to close the gap on Vi and become more competitive in the mid-tier segment.

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

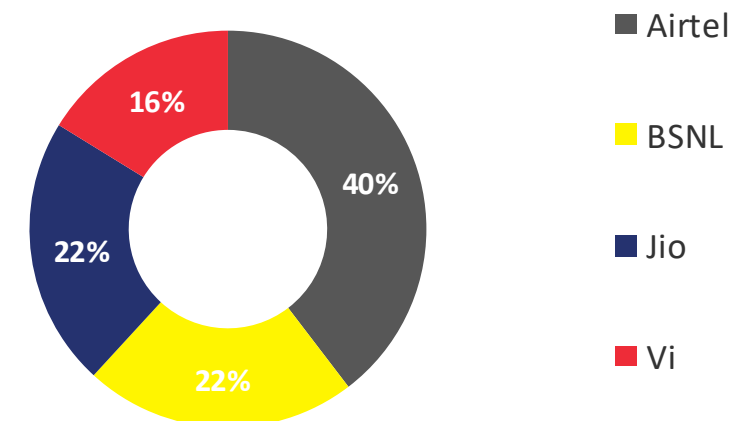
The video streaming test gauges the load time of a fully loaded video in three resolutions on YouTube, considering stalls during playback. This indicator reflects the perceived quality by the user.

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 1.4% 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)



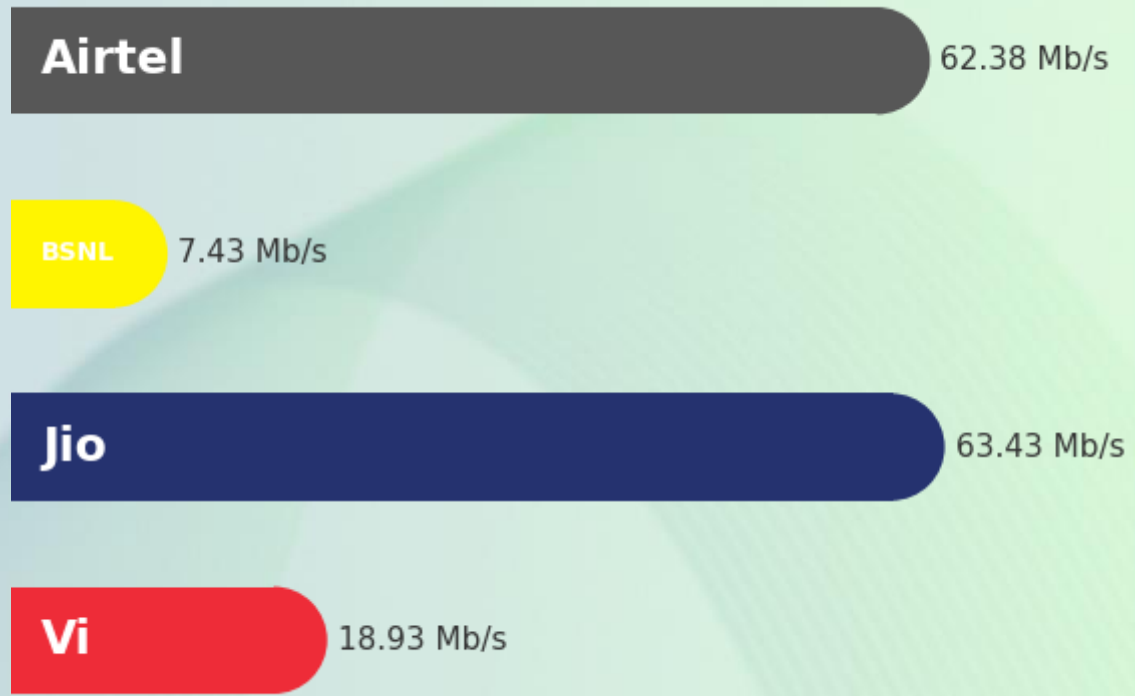
Source: nPerf.com



Download Speed



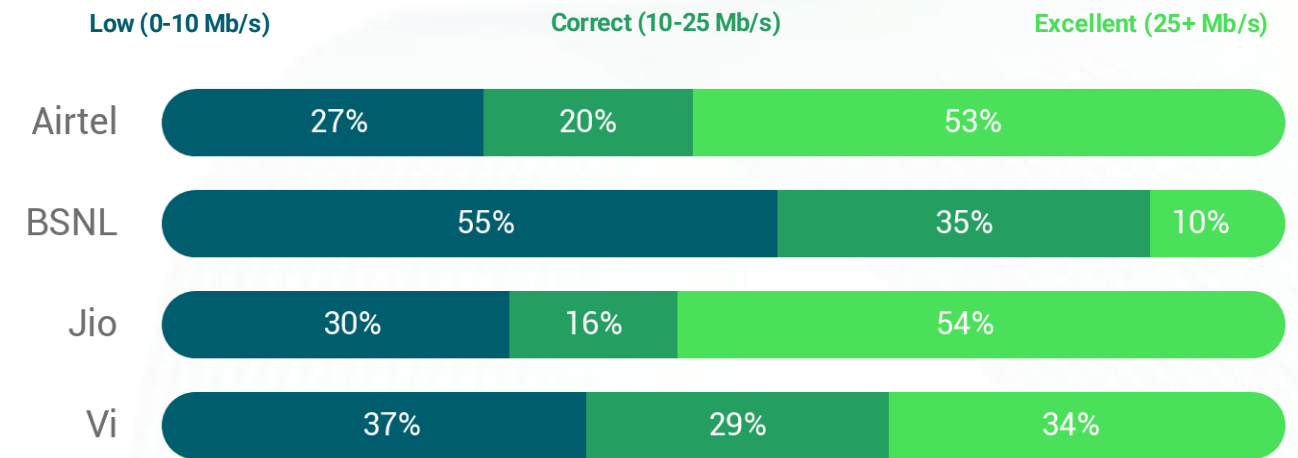
Download Speed (average)



Source : nPerf.com

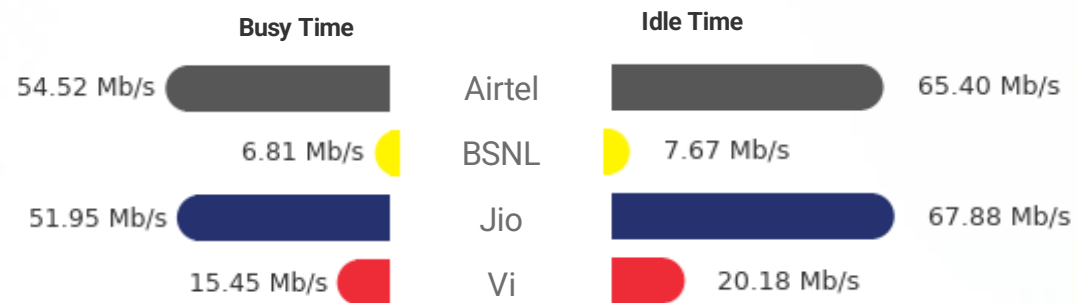
The subscribers of Airtel and Jio enjoyed the best Mobile Internet Download Speed in 2026.

Download Speed results distribution (average)



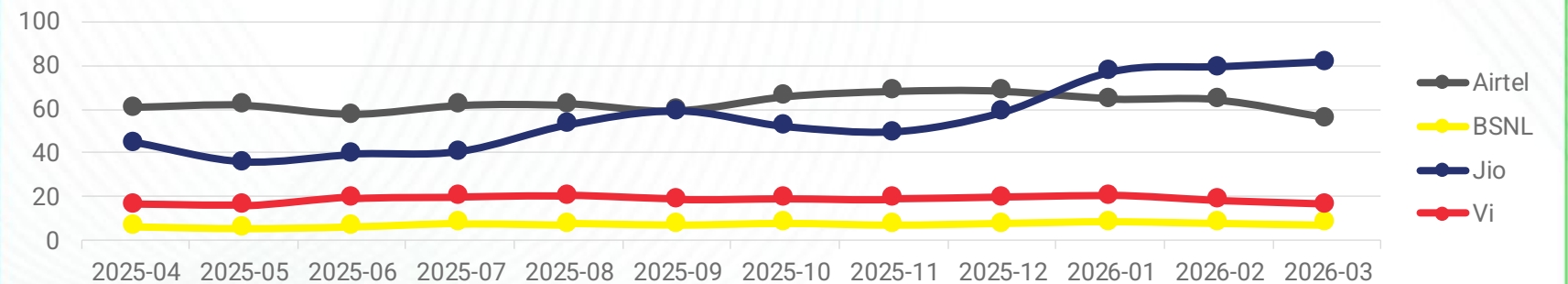
Source : nPerf.com

Download Speed (average)



Source : nPerf.com

Download Speed evolution over the year (average)



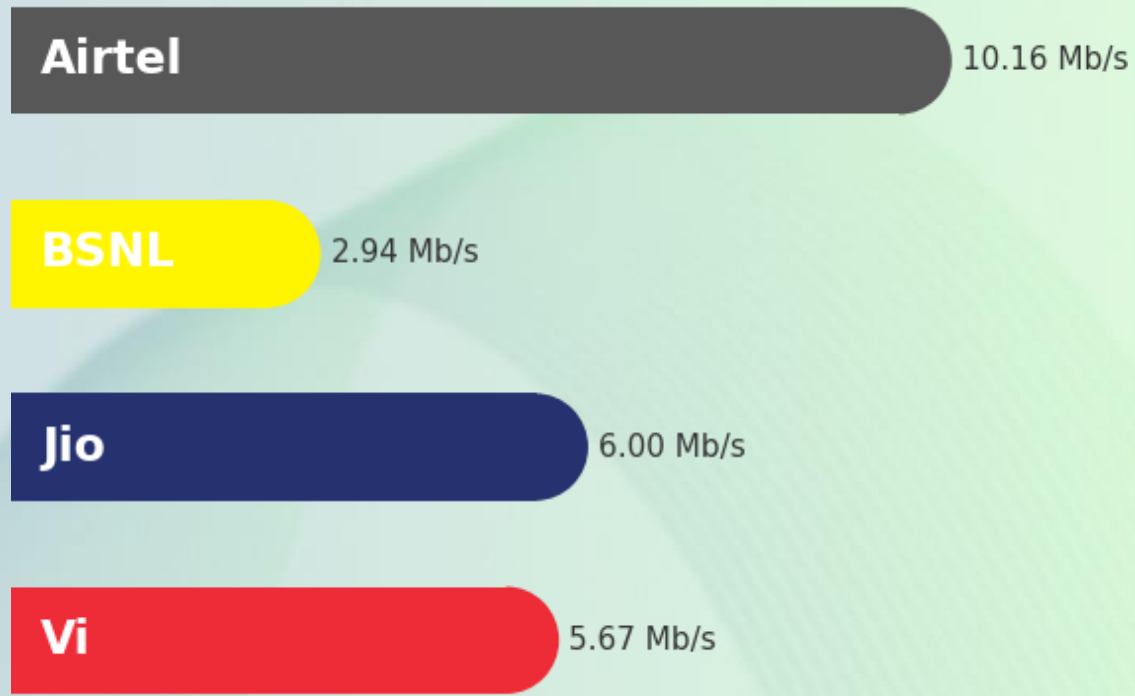
Source : nPerf.com



Upload Speed



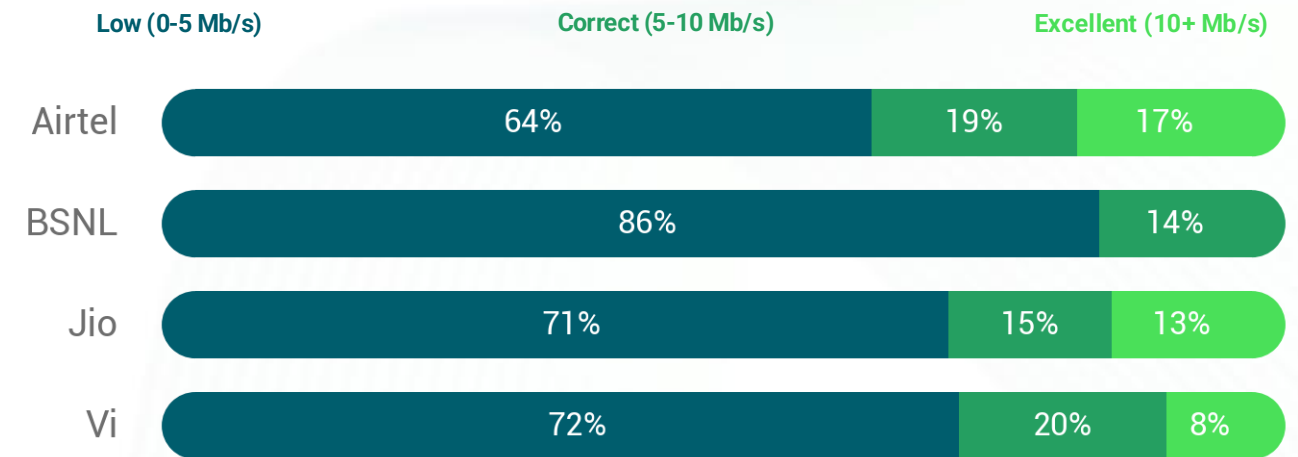
Upload Speed (average)



Source: nPerf.com

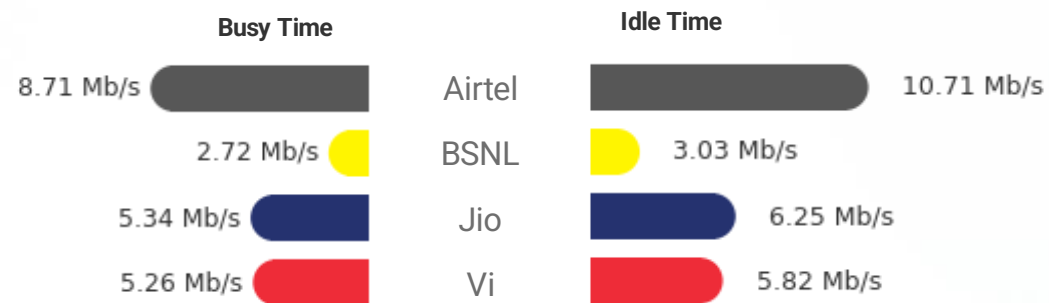
The subscribers of Airtel enjoyed the best Mobile Internet Upload Speed in 2026.

Upload Speed results distribution (average)



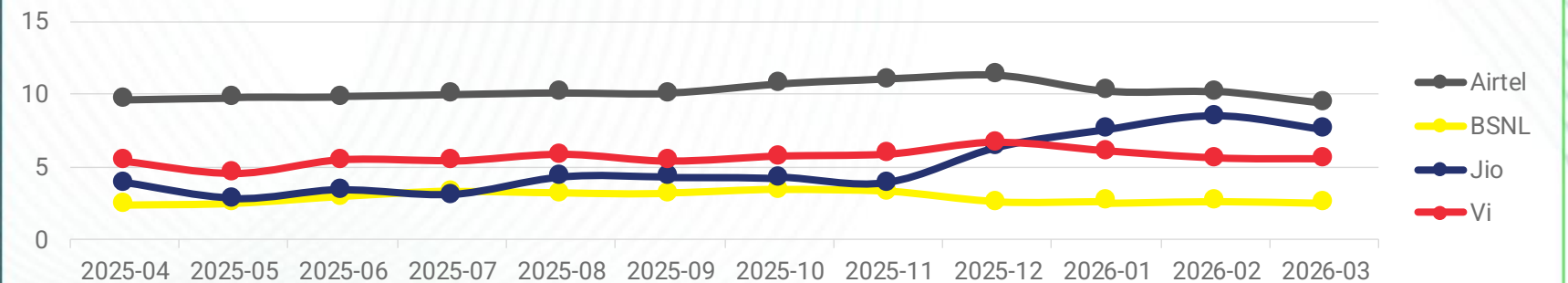
Source: nPerf.com

Upload Speed (average)



Source: nPerf.com

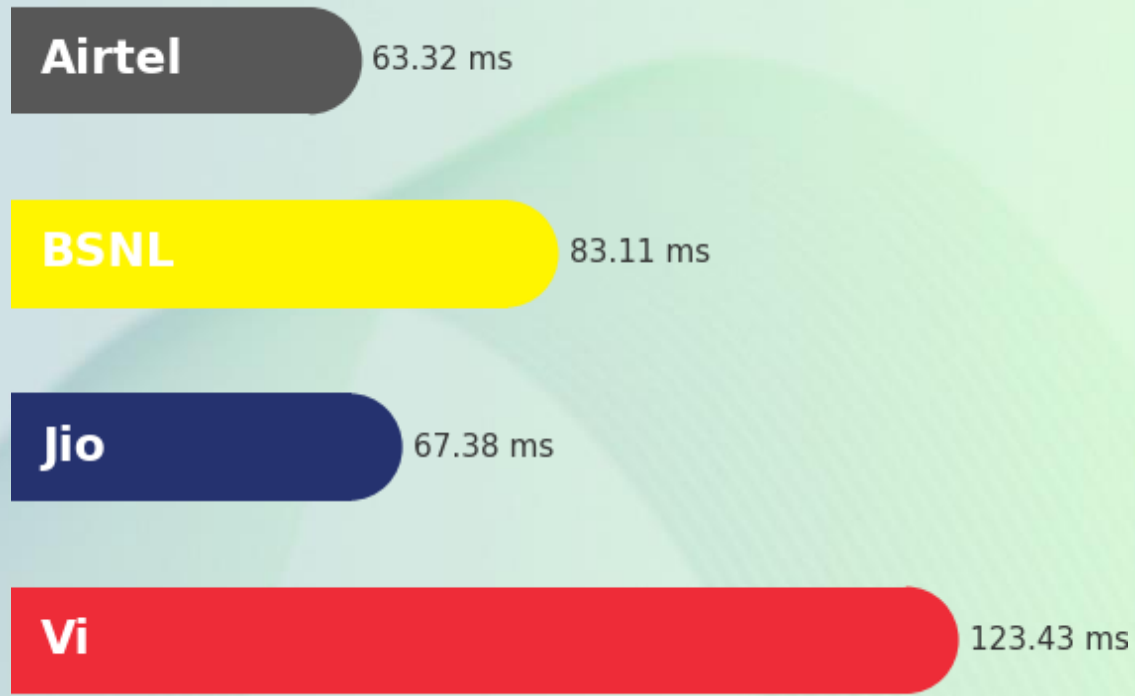
Upload Speed evolution over the year (average)



Source: nPerf.com



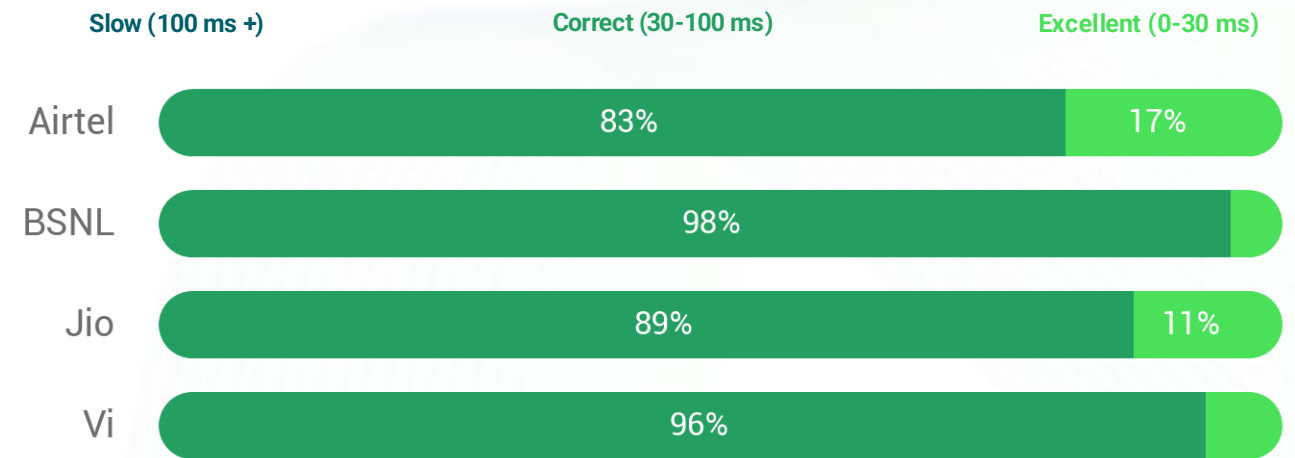
Latency (average)



Source : nPerf.com

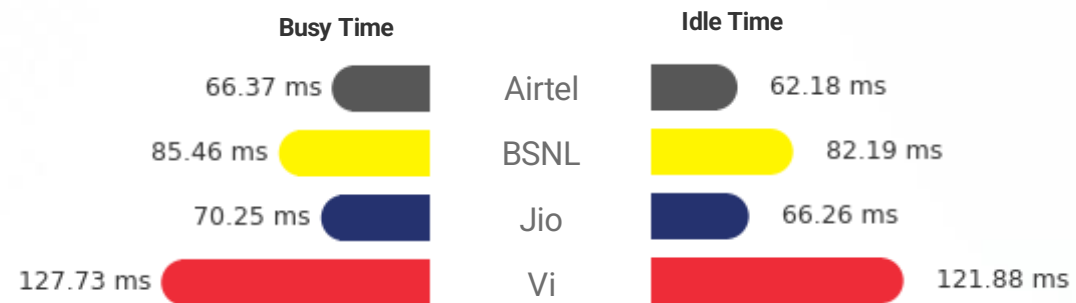
The subscribers of Airtel enjoyed the best Mobile Internet Latency in 2026.

Latency results distribution (average)



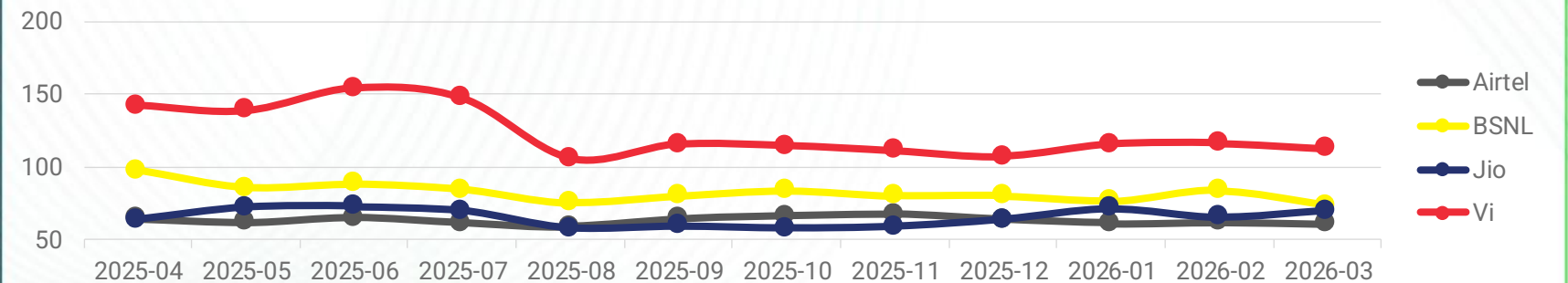
Source : nPerf.com

Latency (average)



Source : nPerf.com

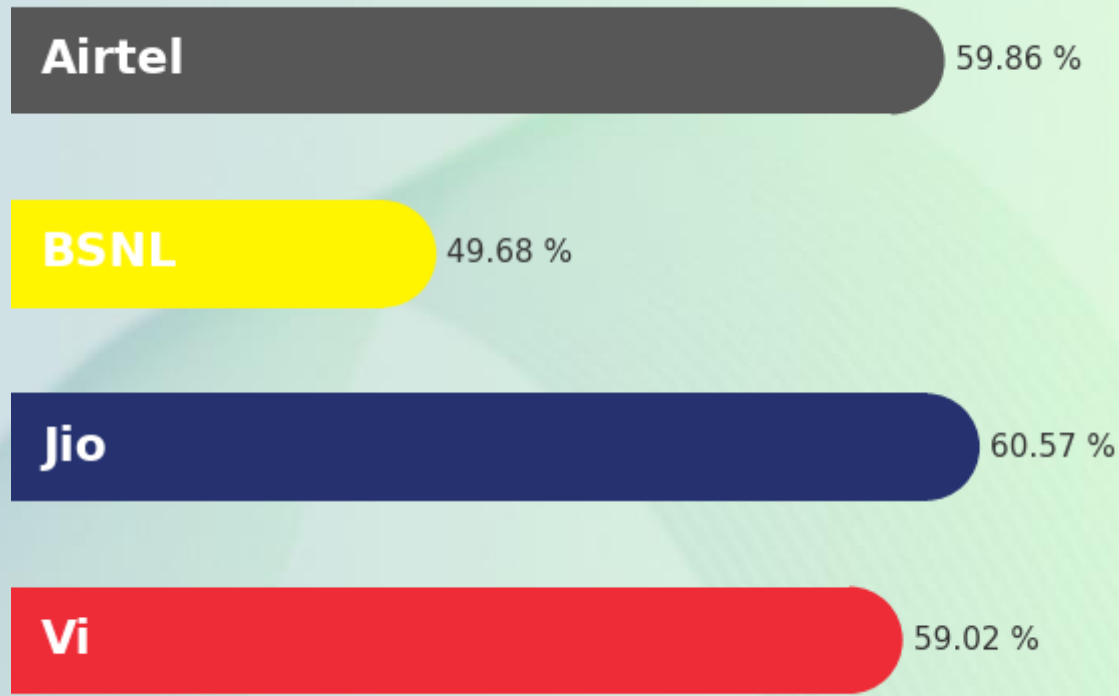
Latency evolution over the year (average)



Source : nPerf.com



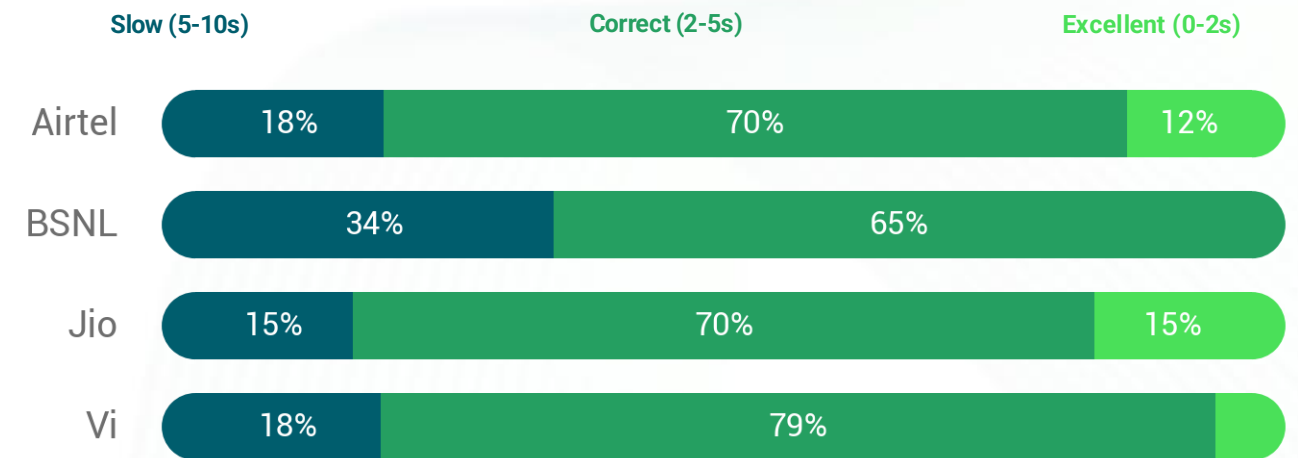
Browsing Performance (average)



Source : nPerf.com

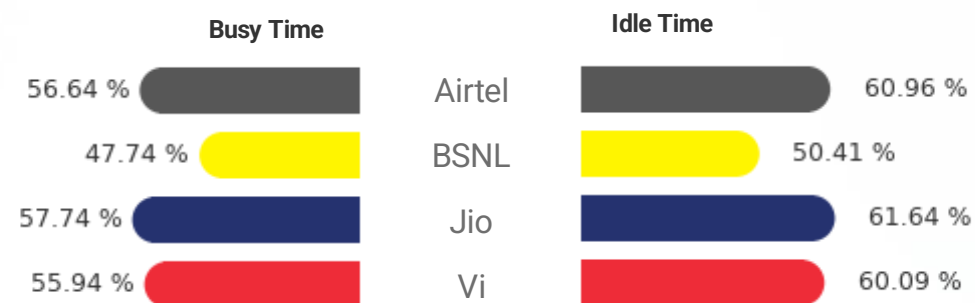
The subscribers of Airtel, Jio and Vi enjoyed the best Mobile Internet Browsing Performance in 2026.

Browsing Performance results distribution (average)



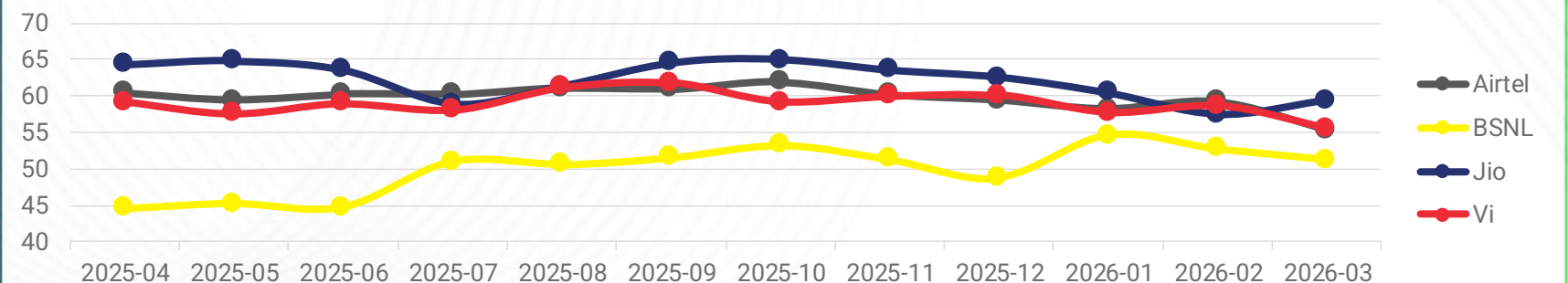
Source : nPerf.com

Browsing Performance (average)



Source : nPerf.com

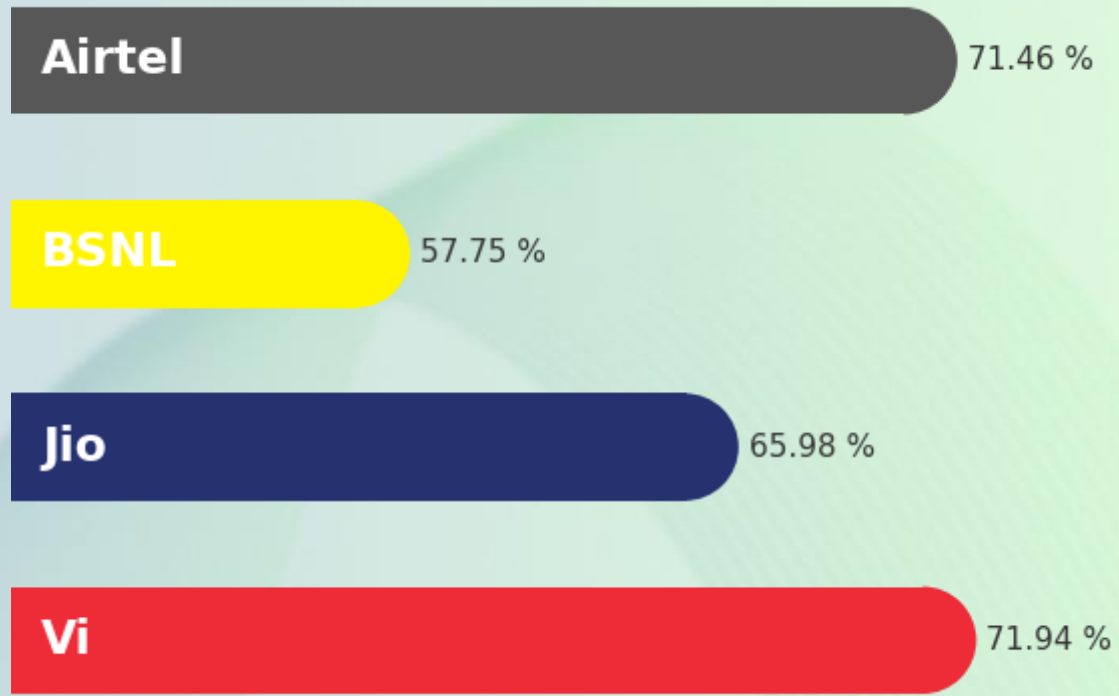
Browsing Performance evolution over the year (average)



Source : nPerf.com



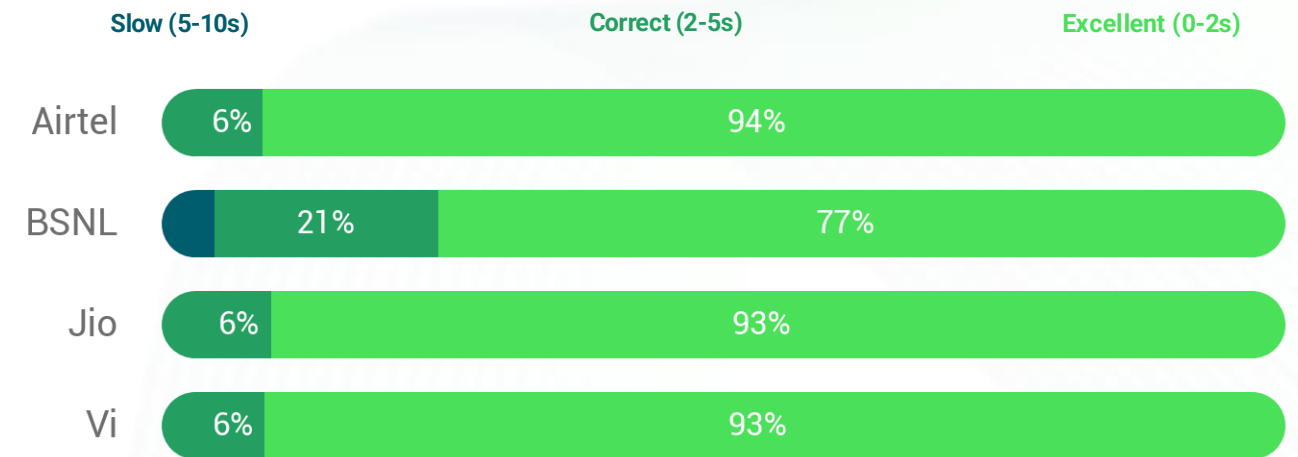
Streaming Performance (average)



Source : nPerf.com

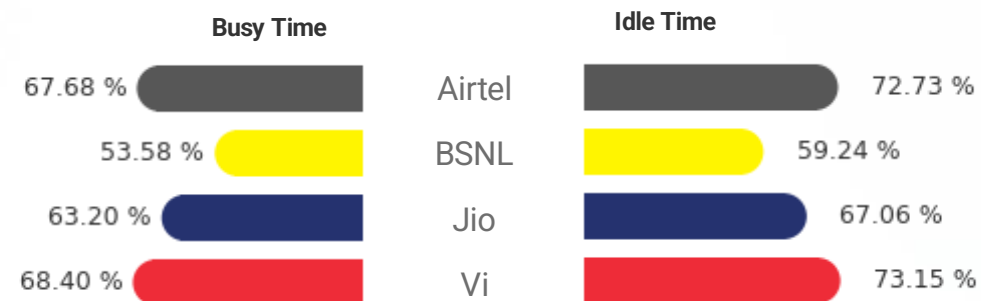
The subscribers of Airtel and Vi enjoyed the best Mobile Internet Streaming Performance in 2026.

Streaming Performance results distribution (average)



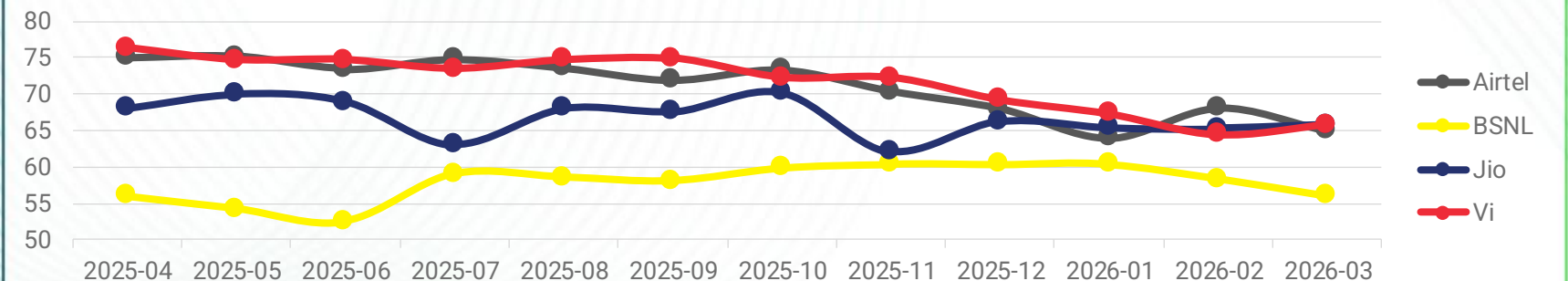
Source : nPerf.com

Streaming Performance (average)



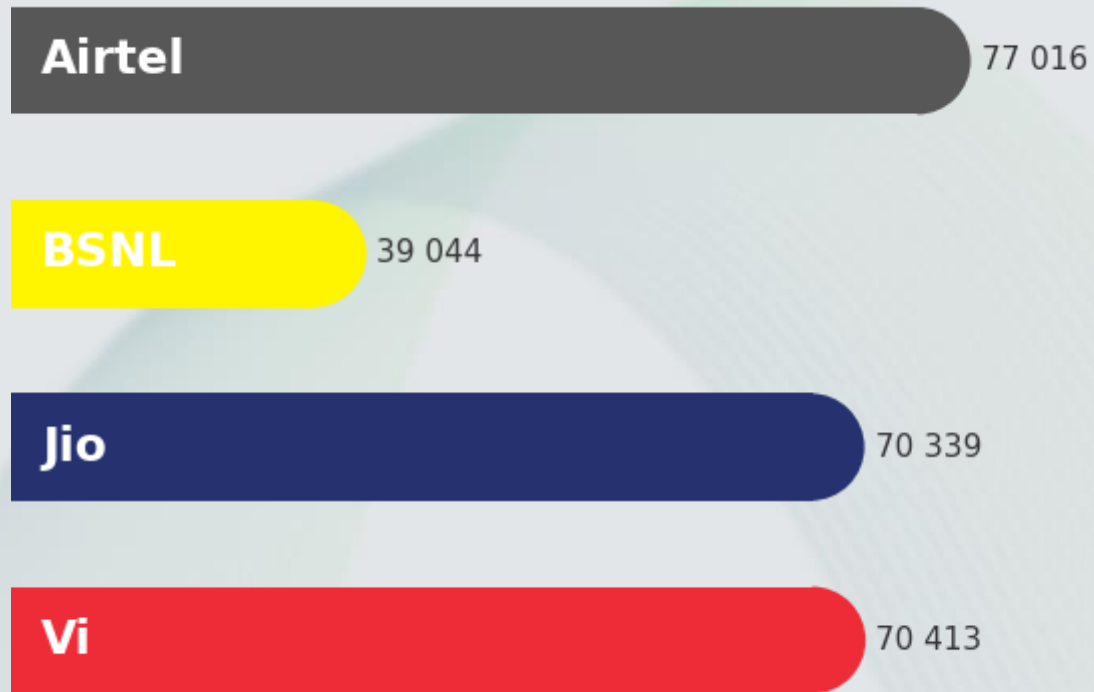
Source : nPerf.com

Streaming Performance evolution over the year (average)



Source : nPerf.com

nPerf Score (nPoints)



Source : nPerf.com

The subscribers of Airtel enjoyed the best 5G Internet in 2026.

- Best performances 5G: Airtel
- Fastest performances (Download Speed) 5G: Airtel
- Fastest performances (Upload Speed) 5G: Airtel
- 5G connections with the lowest latency: Airtel
- Best web browsing performances 5G: Vi
- Best streaming performances 5G: Vi

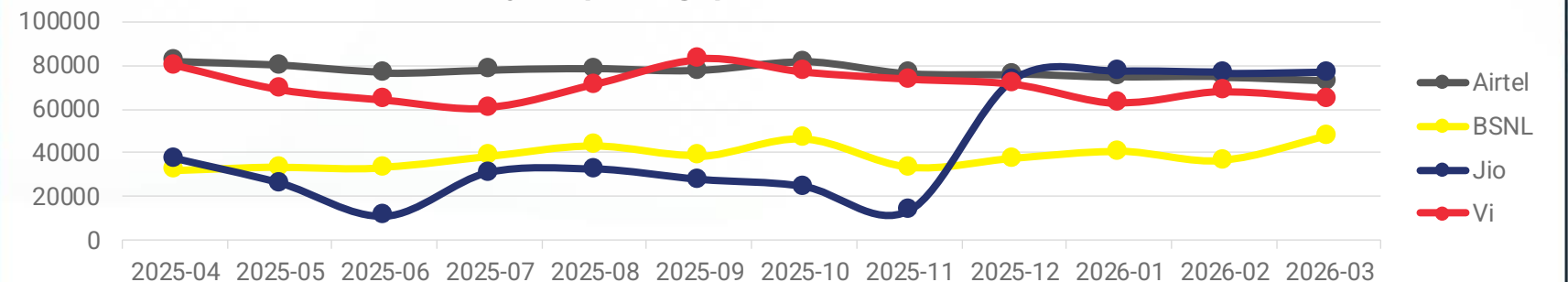
Source : nPerf.com

nPerf Podium



Source : nPerf.com

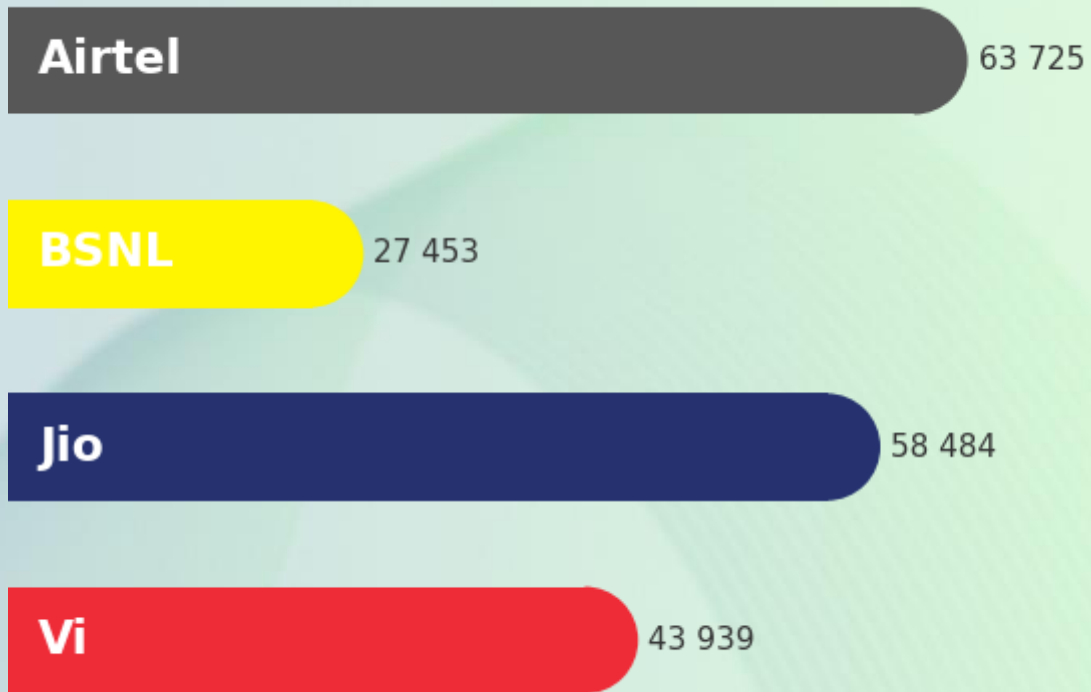
nPerf Score evolution over the year (average)



Source : nPerf.com



nPerf Score (nPoints)



Source : nPerf.com

The subscribers of Airtel enjoyed the best Mobile Internet performances in 2026.

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.

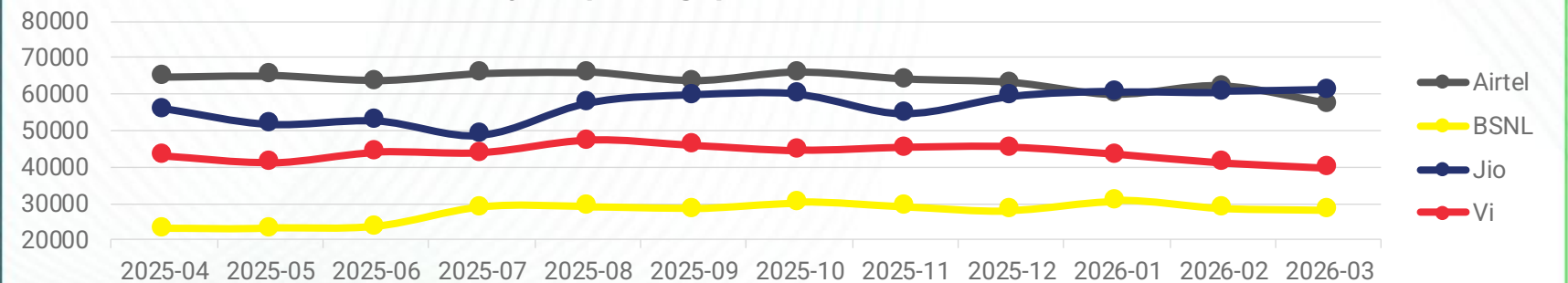
Source : nPerf.com

airtel
Best Mobile Internet performance in 2026



Source : nPerf.com

nPerf Score evolution over the year (average)



Source : nPerf.com



We qualify your connection