

MID-YEAR UPDATE

2022 SONICWALL CYBER THREAT REPORT

SONICWALL®

CYBER THREAT INTELLIGENCE FOR NAVIGATING
THE UNKNOWN OF TOMORROW

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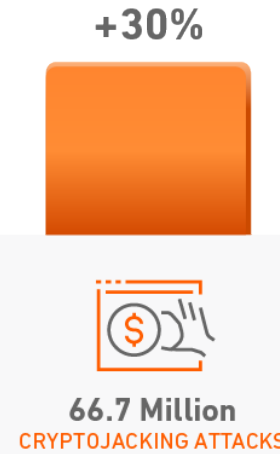
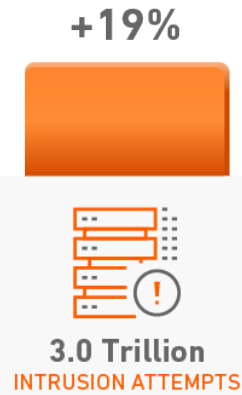
As world events increasingly shape the cyber threat landscape, SonicWall Capture Labs threat researchers have been tracking the shifting trends, targets and tactics observed during the first half of 2022.

We've compiled our most critical findings in the mid-year update to the 2022 SonicWall Cyber Threat Report, which offers organizations of all sizes the actionable threat intelligence needed to safeguard against an increasingly volatile global threat environment.

2022 GLOBAL CYBERATTACK TRENDS

The mid-year update to the 2022 SonicWall Cyber Threat Report highlights indicators of change in the threat landscape.

SonicWall's latest threat intelligence through the first half of 2022 uncovers what could be a seismic shift in the global cyber arms race due to geopolitical unrest and climbing cyberattacks.



January - June 2022



-23%

2022 FIRST-HALF KEY FINDINGS



AS WARNED, MALWARE
ON THE RISE



ENCRYPTED THREATS
BEATING STANDARD DEFENSES



RANSOMWARE
DOWN, FOR NOW



IOT MALWARE
SPIKING GLOBALLY



AI THREAT DETECTION
UP 45% IN EARLY 2022



CRYPTOJACKING
REACHES RECORD HIGH



'LOG4SHELL'
VULNERABILITIES STILL
BEING EXPLOITED



ATTACKS ACROSS
NON-STANDARD PORTS
HOLDING STEADY



AS WARNED, MALWARE ON THE RISE

▲ 11%

Despite reaching a seven-year low in 2021, global malware volume was already rising in the second half — a trend that has continued into the first half of 2022 with an **11% surge**.

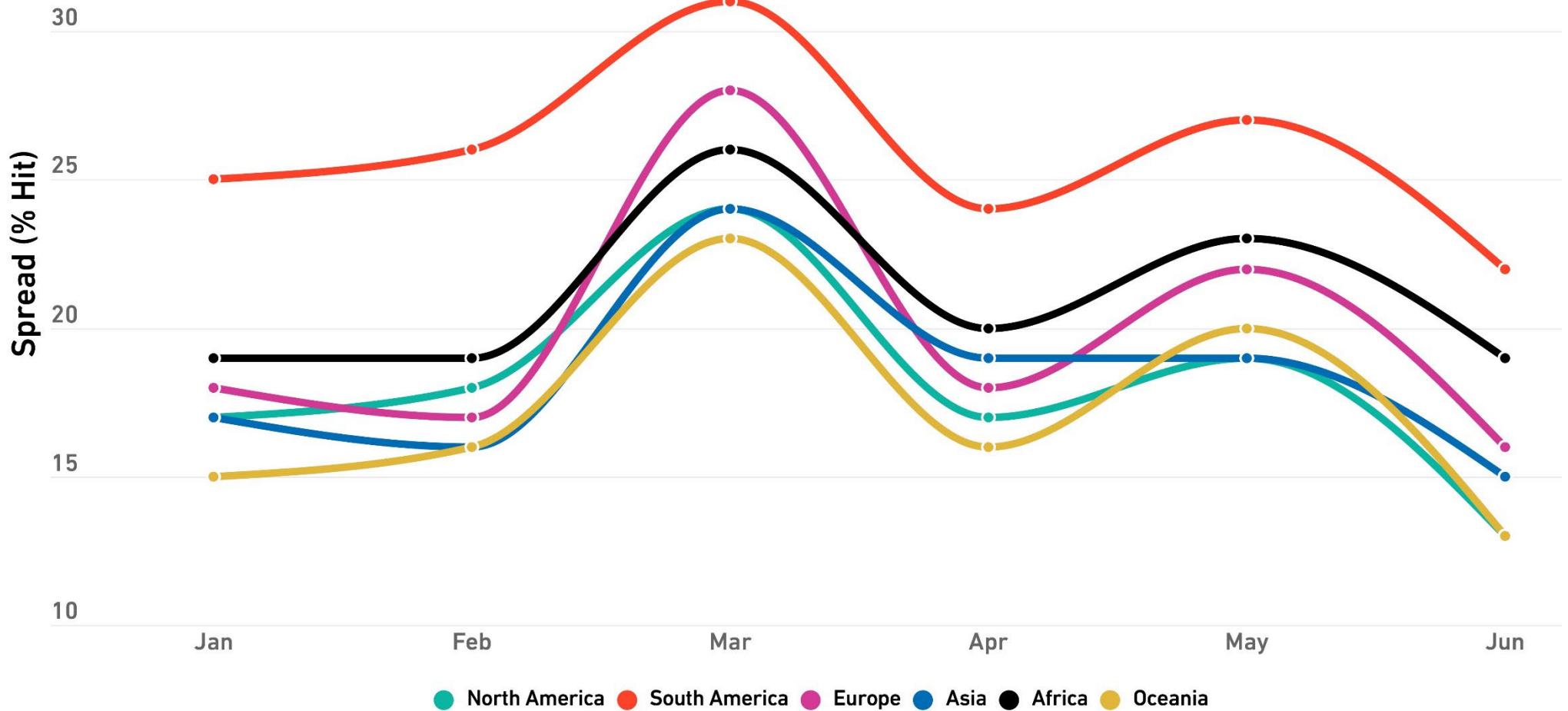
Global Malware Volume





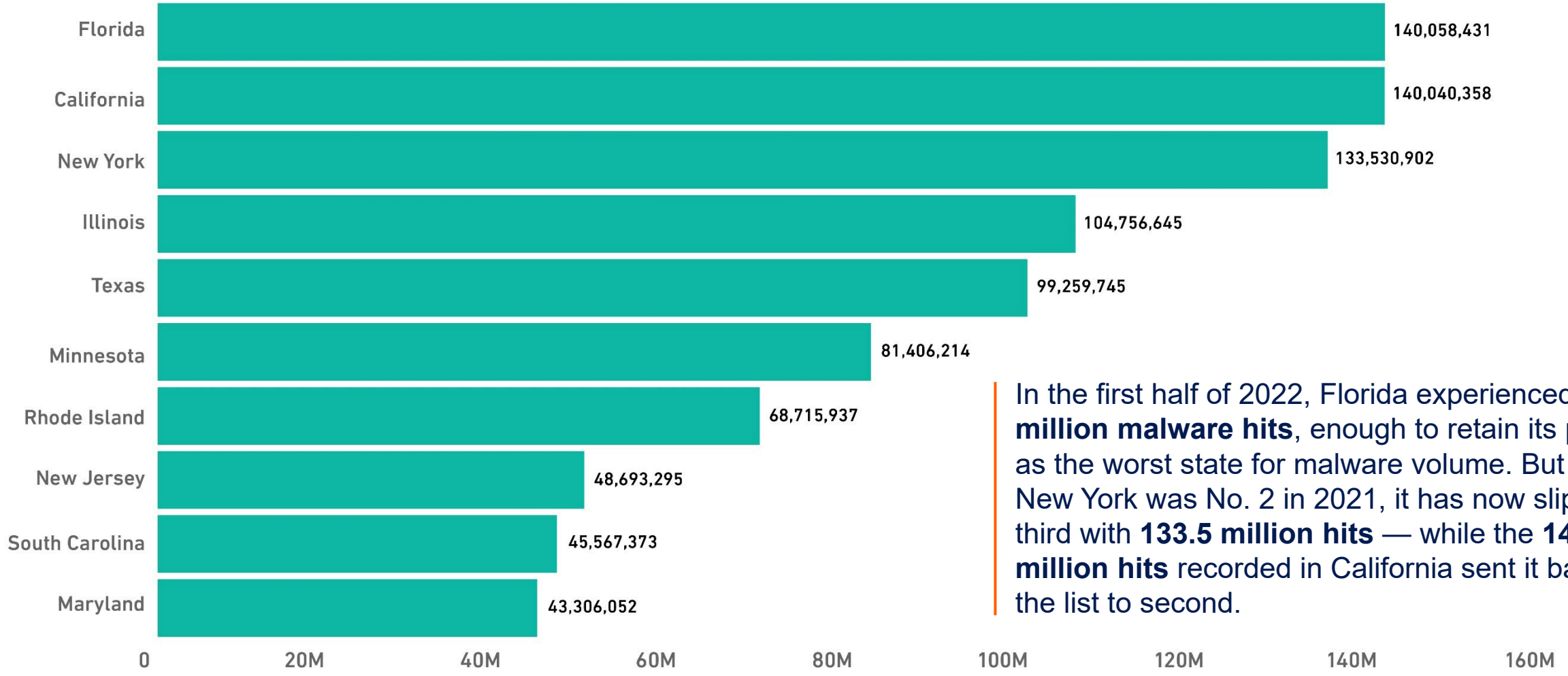
AS WARNED, MALWARE ON THE RISE

SonicWall tracks the overall spread of malware across global, regional and national footprints to monitor for any abnormal or large-scale trends.





MALWARE: TOP 10 U.S. STATES



In the first half of 2022, Florida experienced **140.1 million malware hits**, enough to retain its position as the worst state for malware volume. But while New York was No. 2 in 2021, it has now slipped to third with **133.5 million hits** — while the **140 million hits** recorded in California sent it back up the list to second.

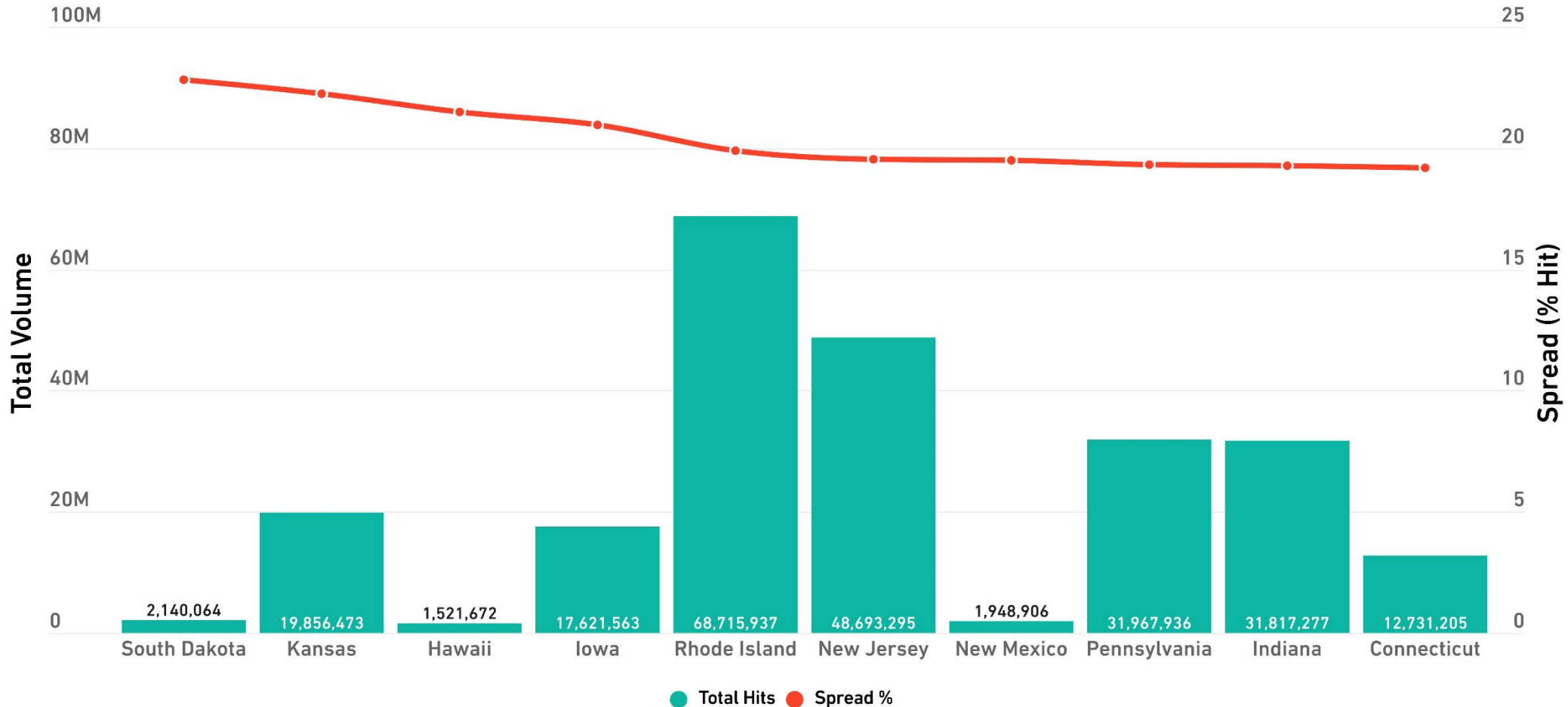


AS WARNED, MALWARE ON THE RISE

SonicWall's spread metric helps track risk across global, national and regional footprints.

In the U.S., for example, an organization is more likely to encounter malware in South Dakota, Kansas and Hawaii, despite much lower volumes than larger states.

2022 Malware Spread | Top 10 Riskiest U.S. States



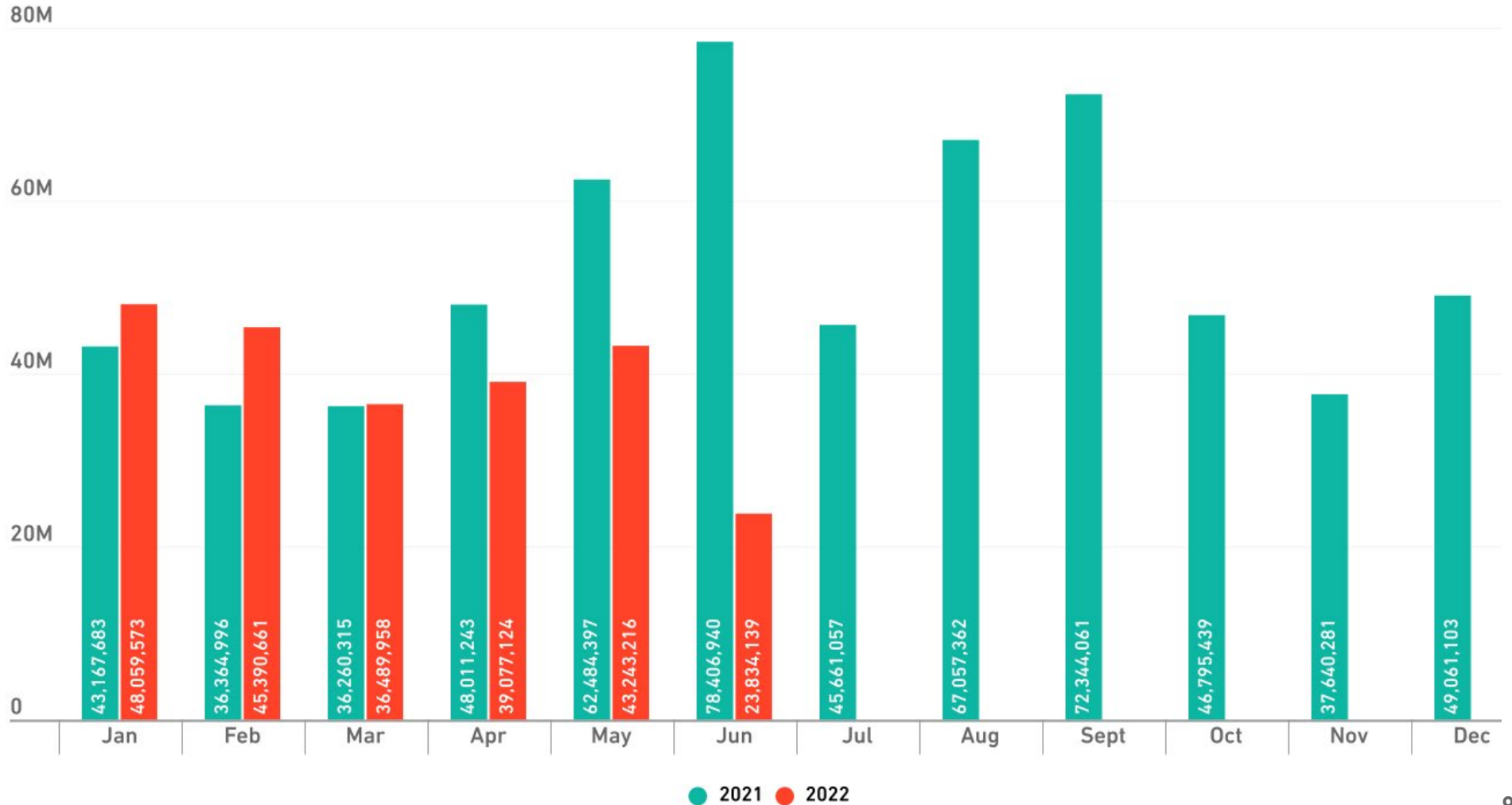


RANSOMWARE DOWN, FOR NOW

v 23%

While the past two years have seen a meteoric rise in ransomware, the first half of 2022 brought a long-awaited reversal, as global ransomware volume fell 23% year-to-date.

Global Ransomware Volume



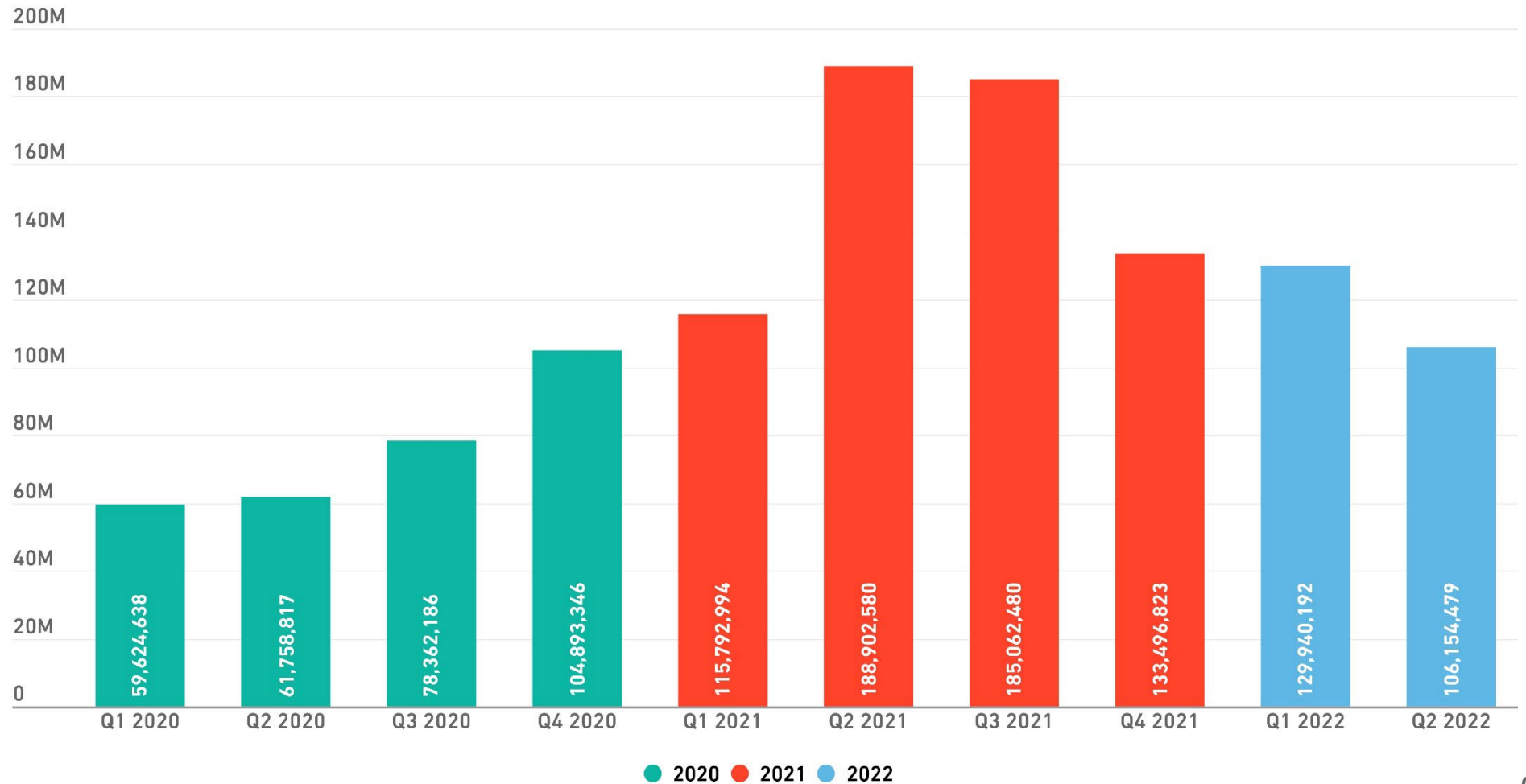


RANSOMWARE DOWN, FOR NOW

After a record-breaking 2021, overall ransomware attacks have trended down in the first half of 2022, **decreasing globally for the fourth consecutive quarter.**

Government sanctions, supply-chain deficiencies, dropping cryptocurrency prices and limited availability of needed infrastructure are all making it more difficult for cybercriminals.

Global Ransomware by Quarter



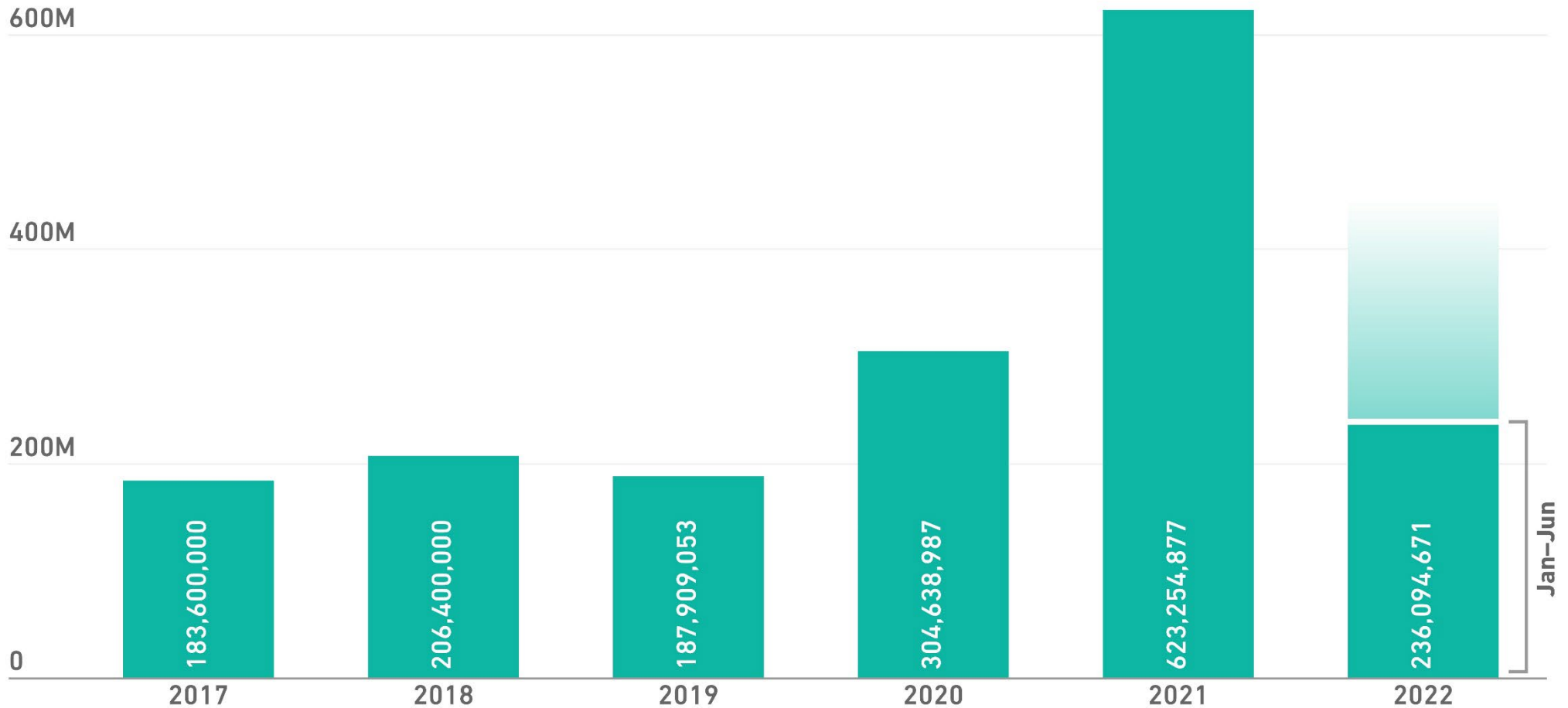


RANSOMWARE DOWN, FOR NOW



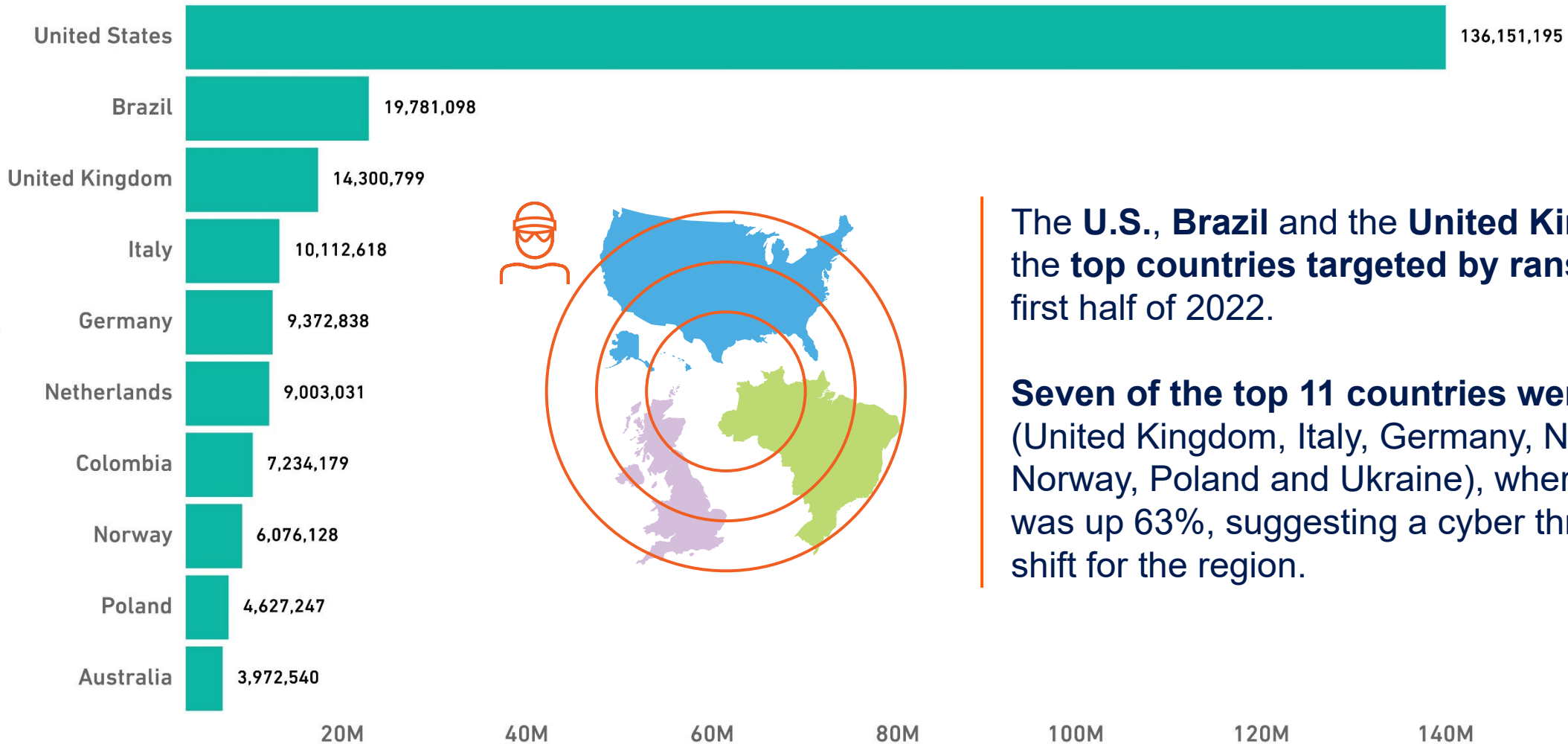
Even in decline, year-to-date ransomware volume exceeded full-year totals of 2017, 2018 and 2019.

Global Ransomware Volume by Year





RANSOMWARE: TOP 10 COUNTRIES



The **U.S.**, **Brazil** and the **United Kingdom** were the **top countries targeted by ransomware** in the first half of 2022.

Seven of the top 11 countries were in Europe (United Kingdom, Italy, Germany, Netherlands, Norway, Poland and Ukraine), where ransomware was up 63%, suggesting a cyber threat climate shift for the region.



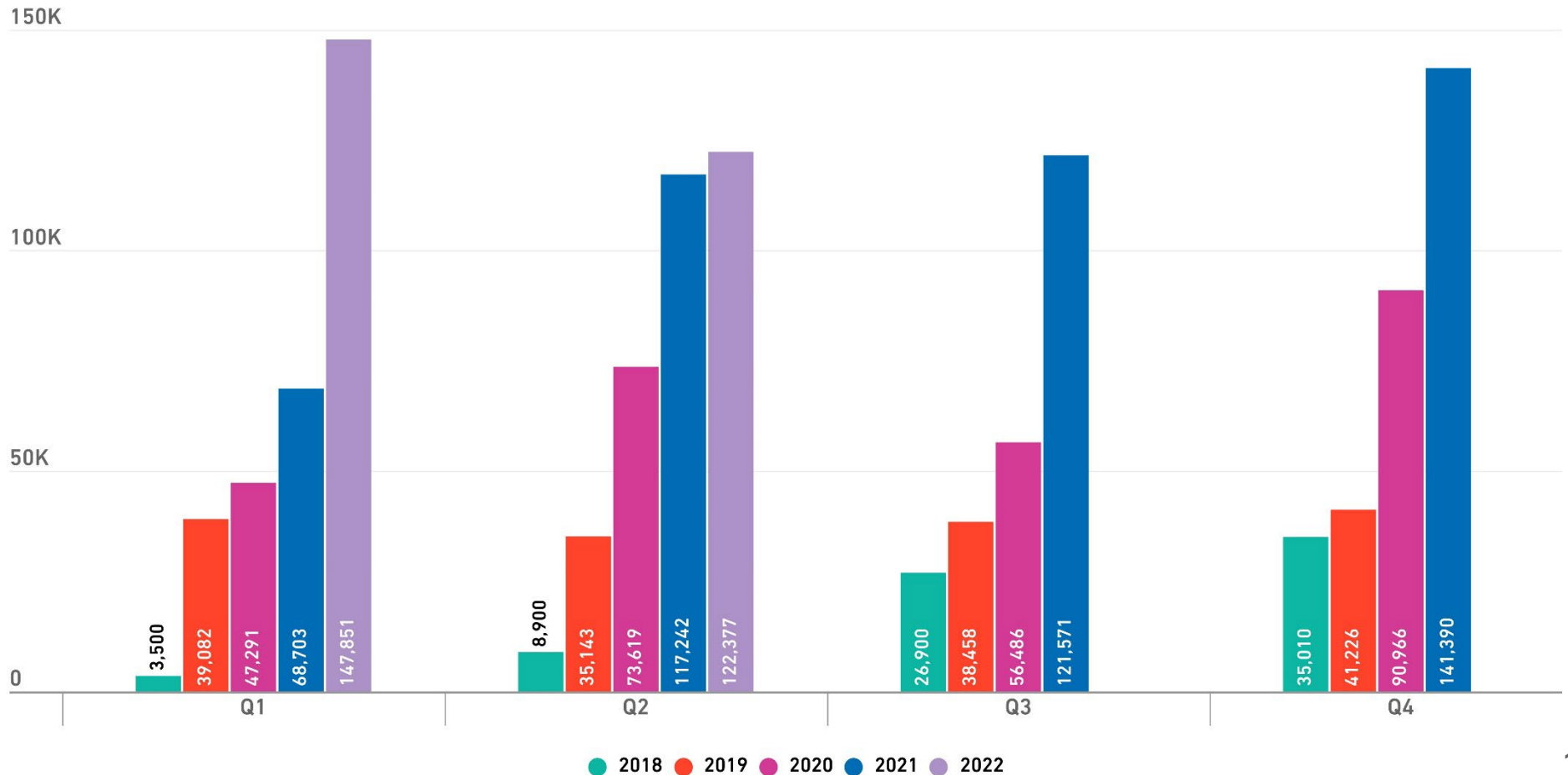
RTDMI DETECTIONS RISE DRAMATICALLY

^45%

In the first half of 2022, SonicWall's patented RTDMI™ technology discovered **270,228** never-before-seen malware variants.

This marks a **45% increase** over the first half of 2021, and an average of 1,501 new variants discovered per day.

'Never-Before-Seen' Malware Variants Found by RTDMI™





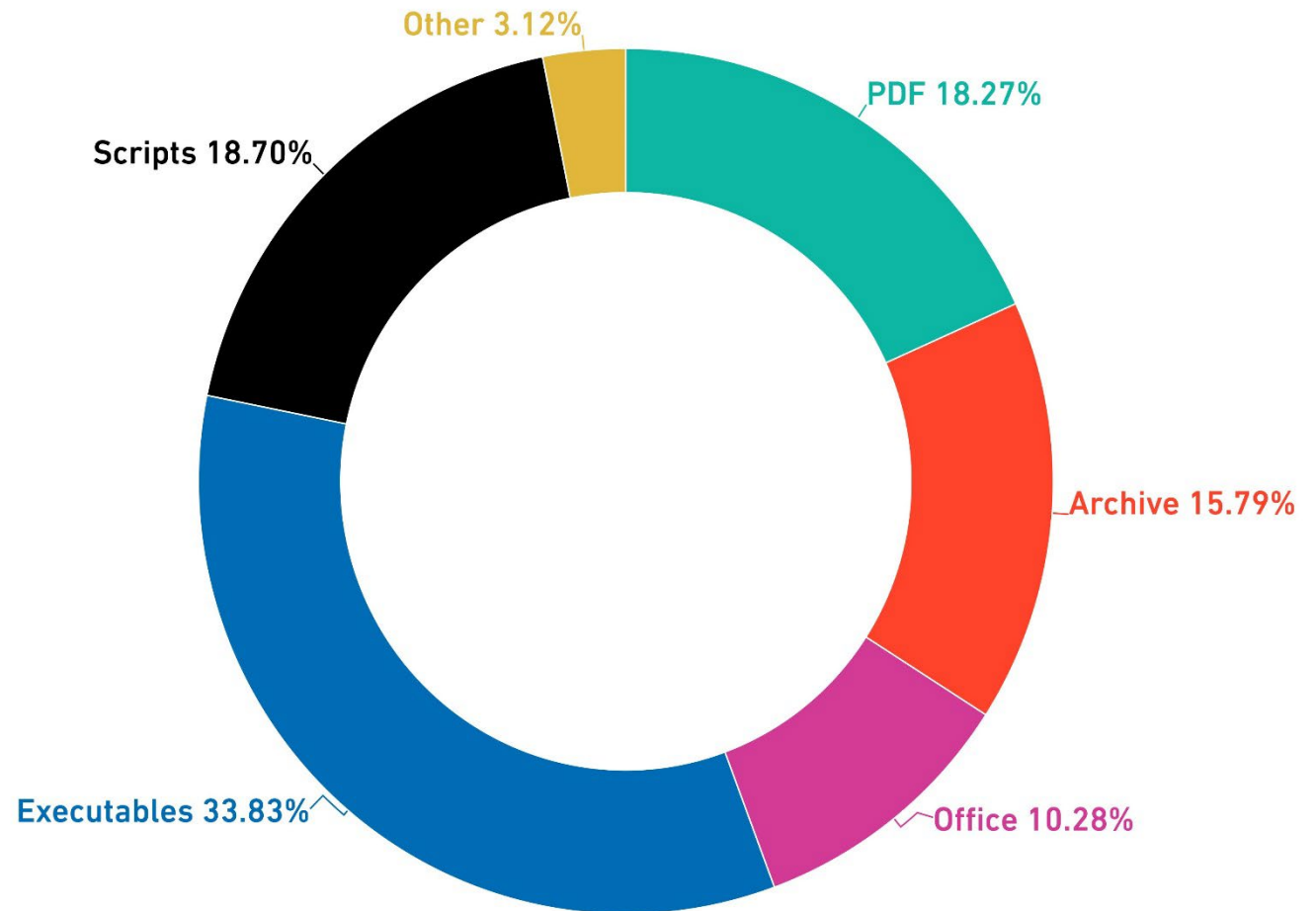
RTDMI DETECTIONS RISE DRAMATICALLY

2022 New Malicious File Type Detections | Capture ATP



SonicWall recorded increases in both new malicious PDFs **(+9% YTD)** and Office files **(+18%)** in the first half of 2022.

Unsurprisingly, executable files made up **34%** of all new malicious file types detected in the first half of 2022, up from a **30%** share for full-year 2021.





LOG4J VULNERABILTIES EXPLOITED QUICKLY

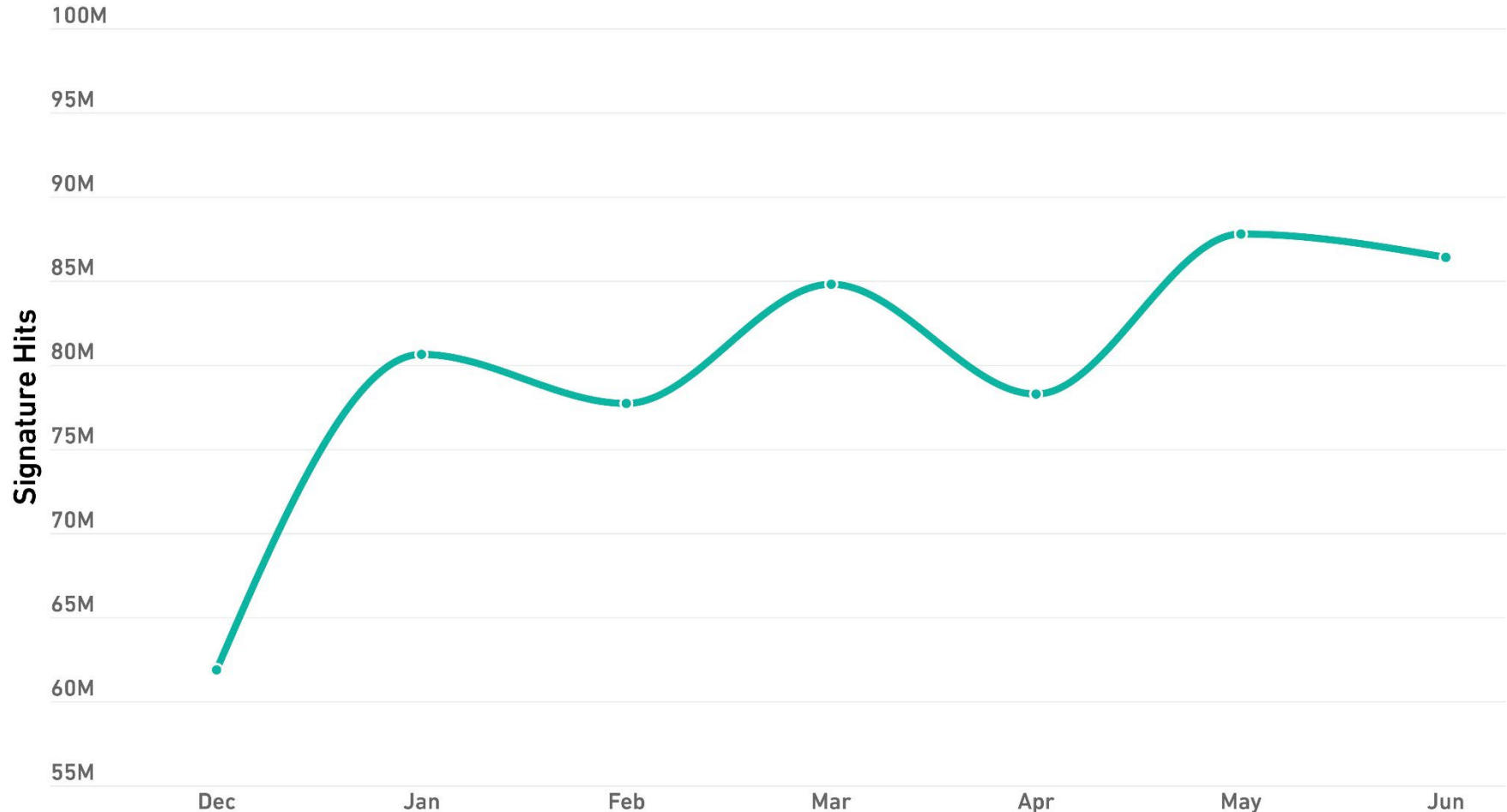
557.5M

Threat actors pivoted extremely quickly to attack Log4Shell vulnerabilities.

SonicWall recorded **557.5 million** Log4Shell exploit attempts from the onset around Dec. 11 through the end of June 2022.

That's an average of **2.8 million** exploits attempts *each day*.

Malicious Log4Shell Exploit Attempts



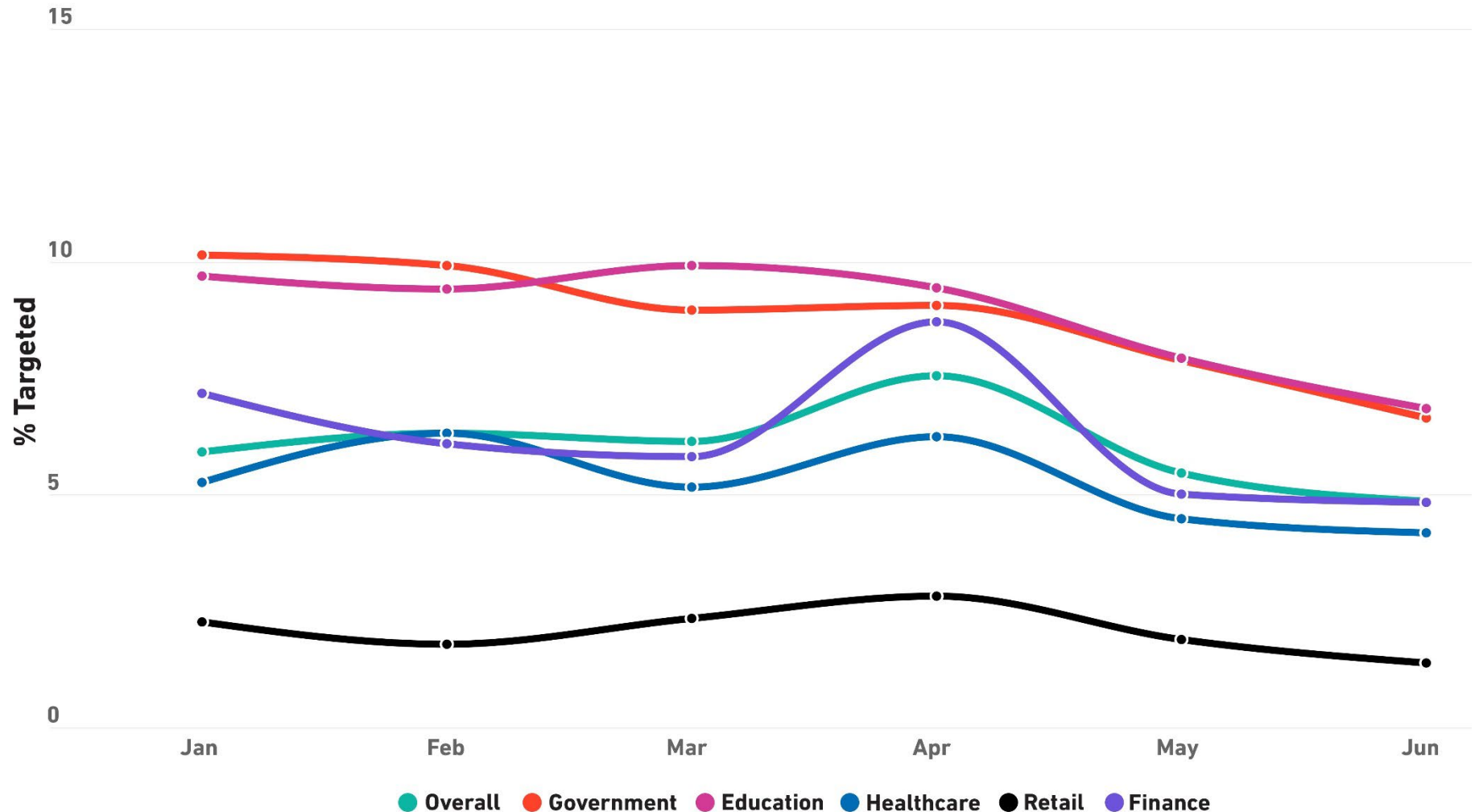


ENCRYPTED THREATS BEATING STANDARD DEFENSES

^ 132%

Encrypted threats (i.e., malware sent over HTTPs) **jumped 132%** year-to-date, with Q2 showing particularly strong increases across most key verticals.

% of Customers Targeted by Malware over HTTPs in 2022



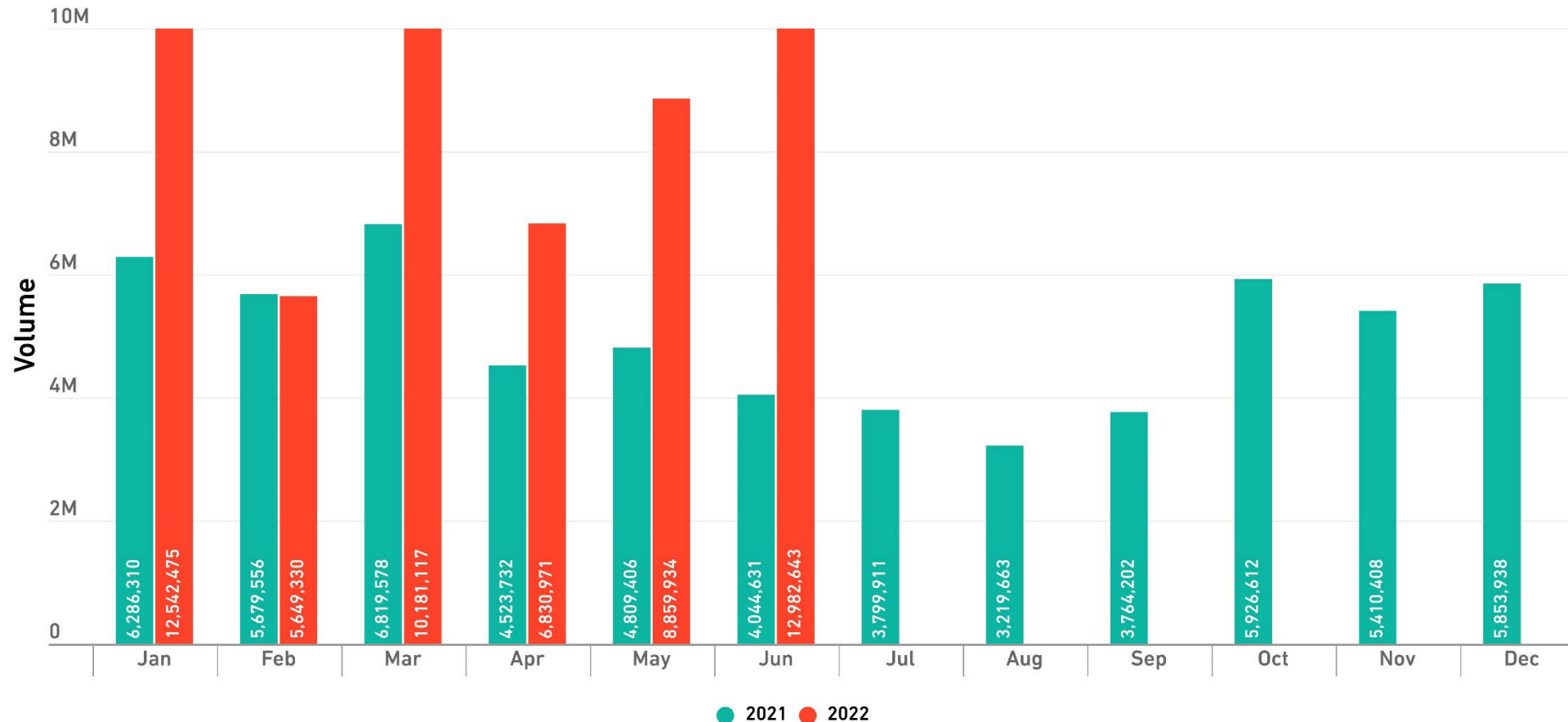


IoT MALWARE SPIKING GLOBALLY

77%

In the first half of 2022, global IoT malware volume rose 77% to 57 million — the highest since SonicWall began tracking these attacks, and just short of the 60.1 million hits recorded in all of 2021.

Global IoT Malware Volume



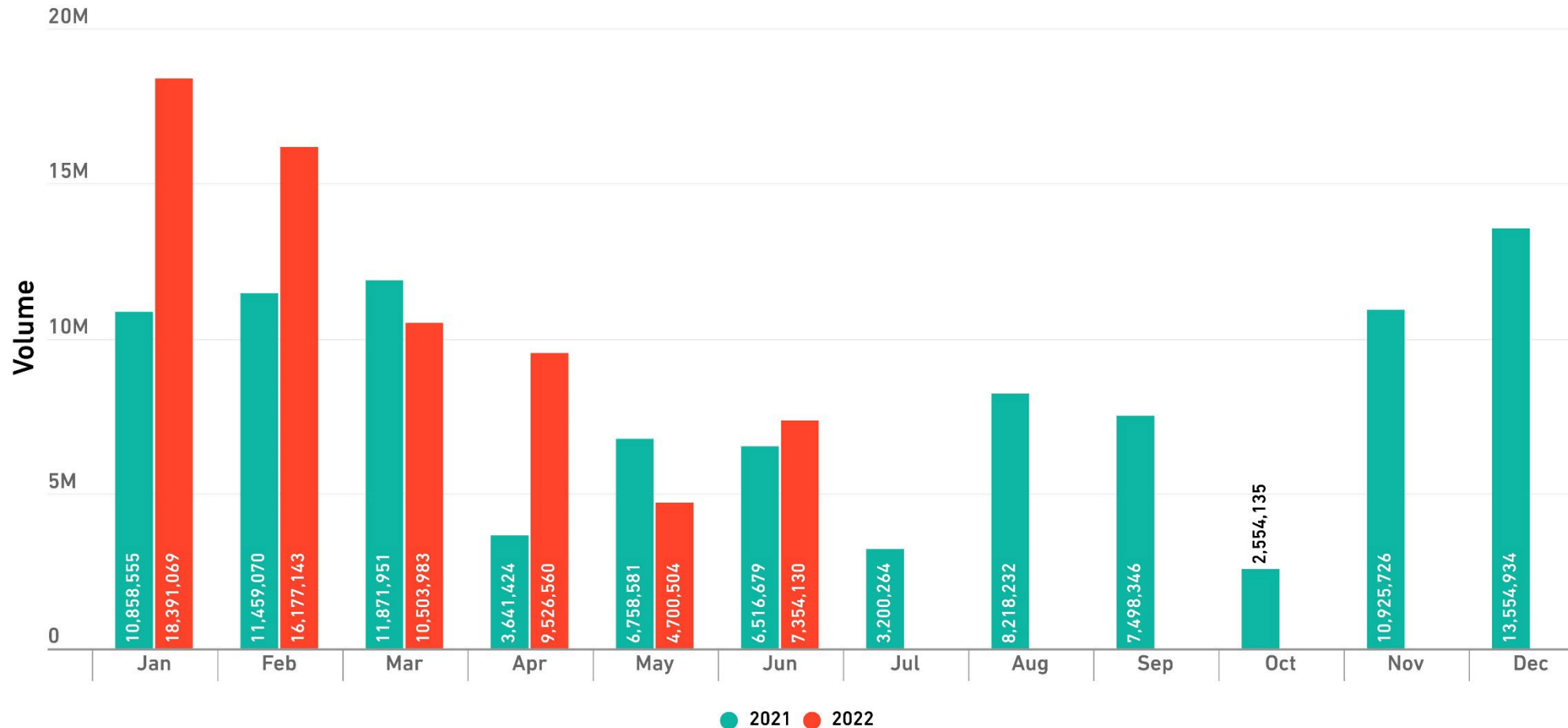


CRYPTOJACKING REACHES RECORD HIGH



Despite a drop in the price of cryptocurrency, global cryptojacking volume rose to **66.7 million** in the first half of 2022 — up **30%** over the first half of 2021.

Global Cryptojacking Volume





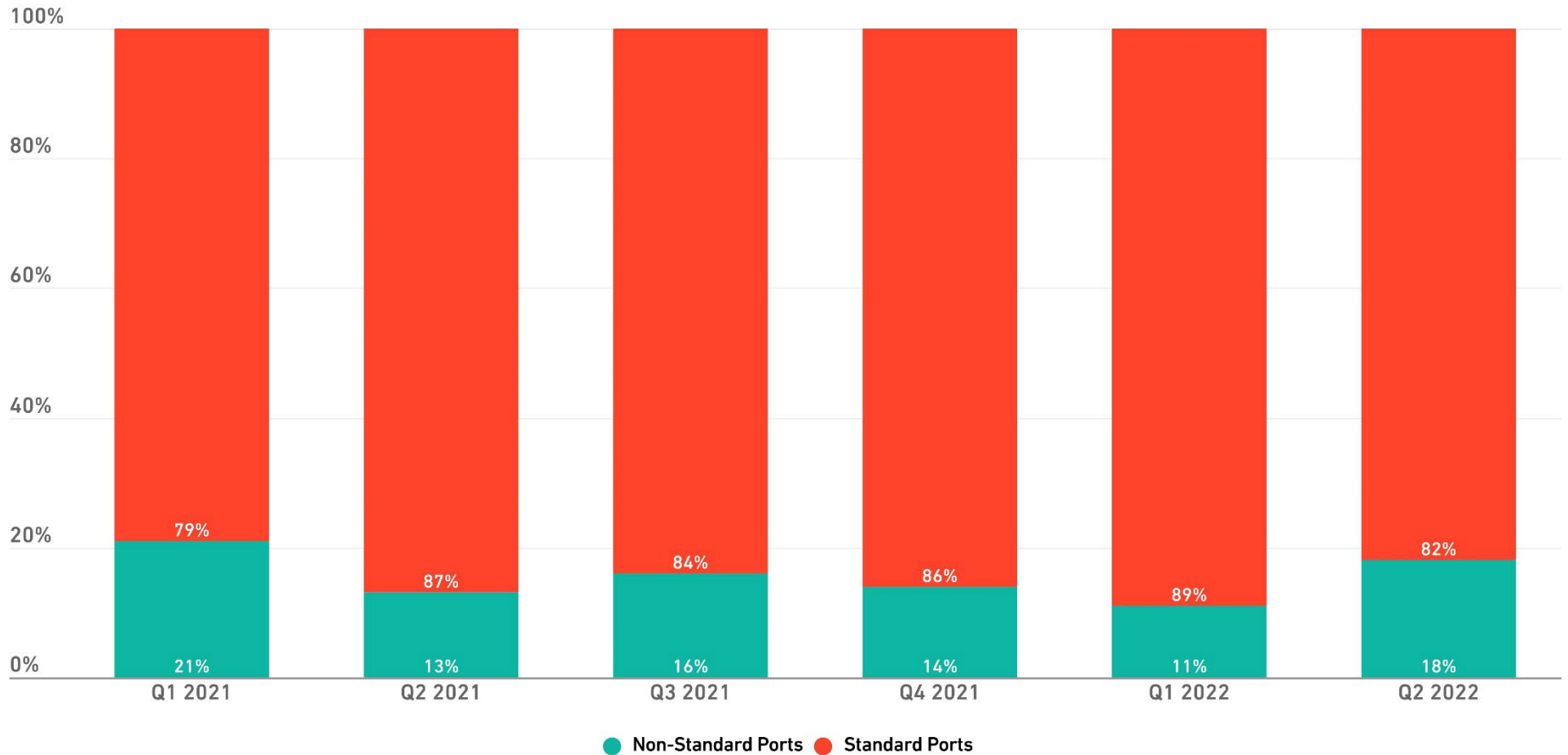
ATTACKS ACROSS NON-STANDARD PORTS HOLDING STEADY

15%

Use of non-standard ports to traffic malware remained flat in early 2022.

On average, **15% of malware was delivered via non-standard ports** for the first half of the year.

2021-22 Global Malware Attacks



SONICWALL CAPTURE LABS THREAT NETWORK



SONICWALL®
CAPTURE THREAT
NETWORK

SONICWALL®

1.1m+
Global Sensors

215+
Countries & Territories

24x7x365
Monitoring

<24hrs
Threat Response

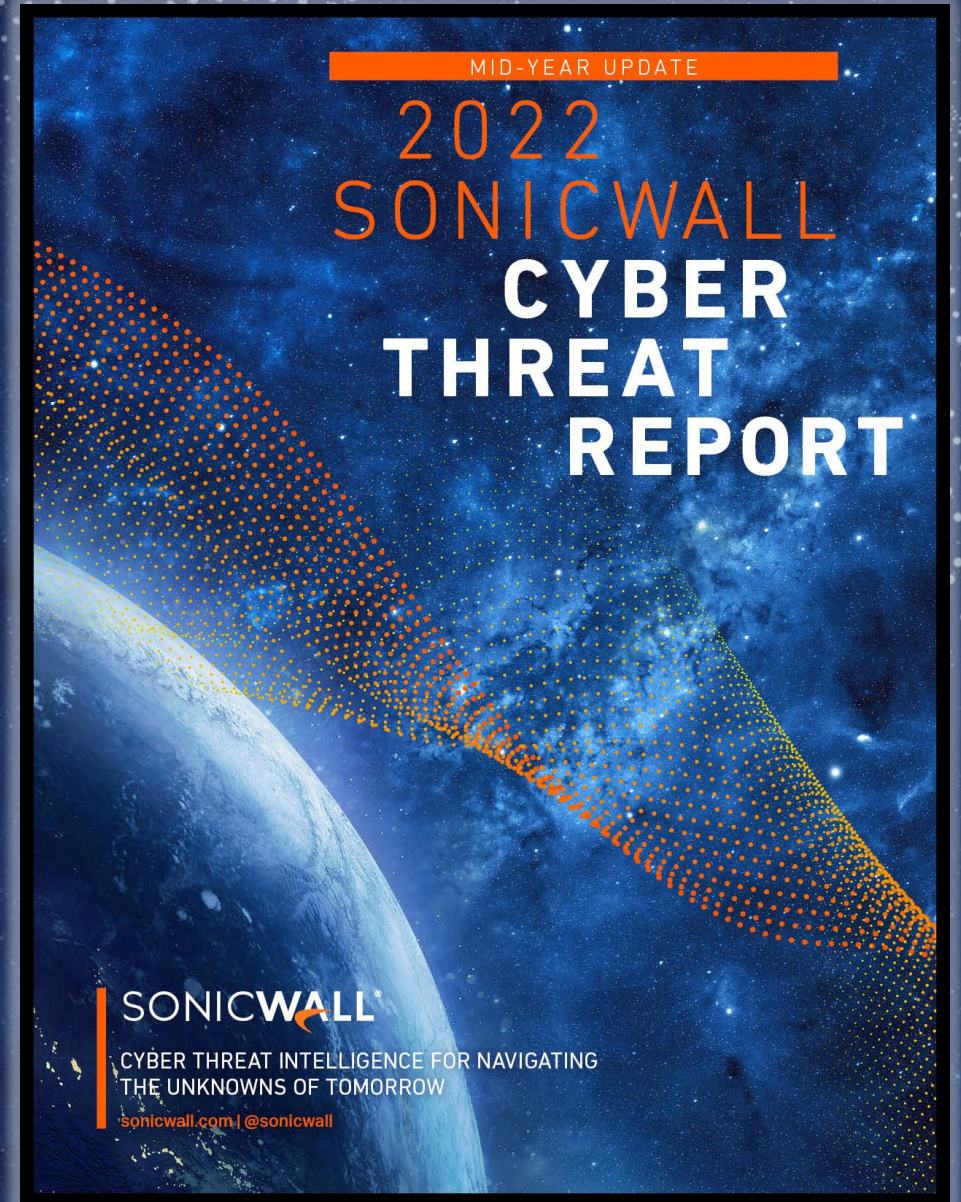
140k+
Malware Samples Collected Daily

28m+
Malware Attacks Blocked Daily

GET THE LATEST CYBER INTELLIGENCE

Download the mid-year update to the **2022 SonicWall Cyber Threat Report** to get exclusive and actionable cyber threat intelligence designed to help organizations navigate the unknowns of tomorrow.

[DOWNLOAD REPORT](#)



The SonicWall logo is centered in the upper half of the image. It features the word "SONICWALL" in a white, bold, sans-serif font. A registered trademark symbol (®) is positioned to the upper right of the final "L". A stylized orange swoosh underline is positioned beneath the "WALL" portion of the text. Two solid orange horizontal bars extend from the left and right sides of the text, framing it.

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