



2015 VERIZON DATA BREACH INVESTIGATIONS REPORT

**What Are
The Threats?**



Phishing Remains A Serious Threat

Our data suggests that phishing attacks could be becoming more effective:

23% of recipients opened phishing messages

11% clicked on attachments

82 seconds before a campaign gets its first click





Common Vulnerabilities Dominate

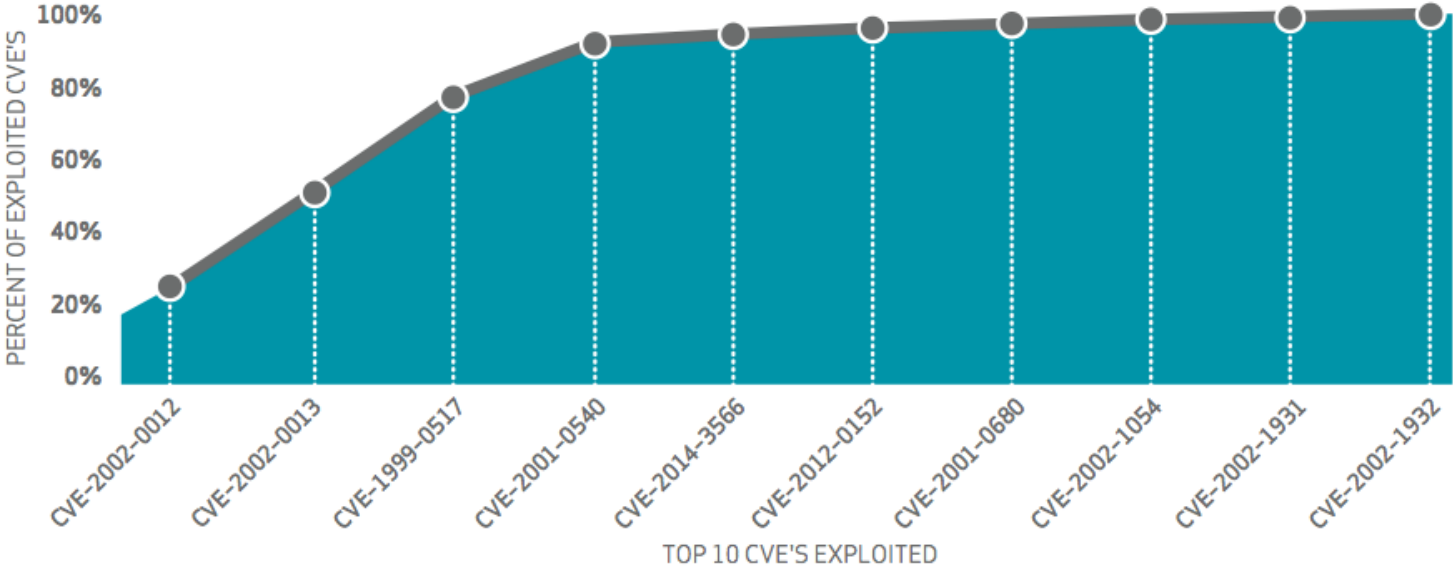
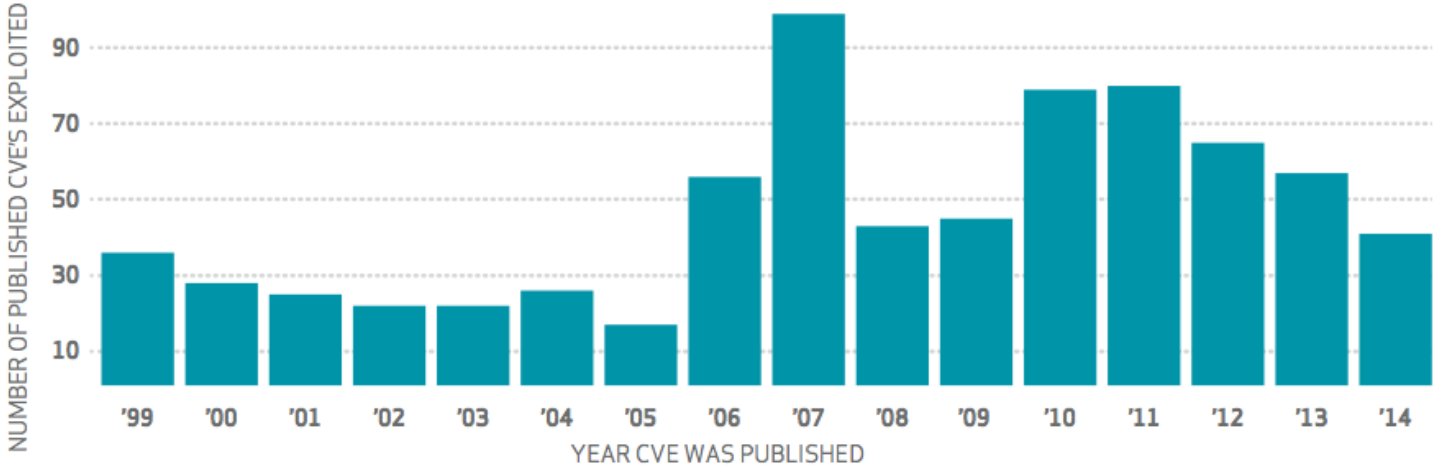
We saw more than **7 million**
vulnerabilities exploited in 2014

But just 10 accounted for **97% of attacks**

We found more attacks dating back to 2007 than from any year since. And most attacks exploited vulnerabilities where a patch has been available for months, often years.



Vulnerabilities & Patching



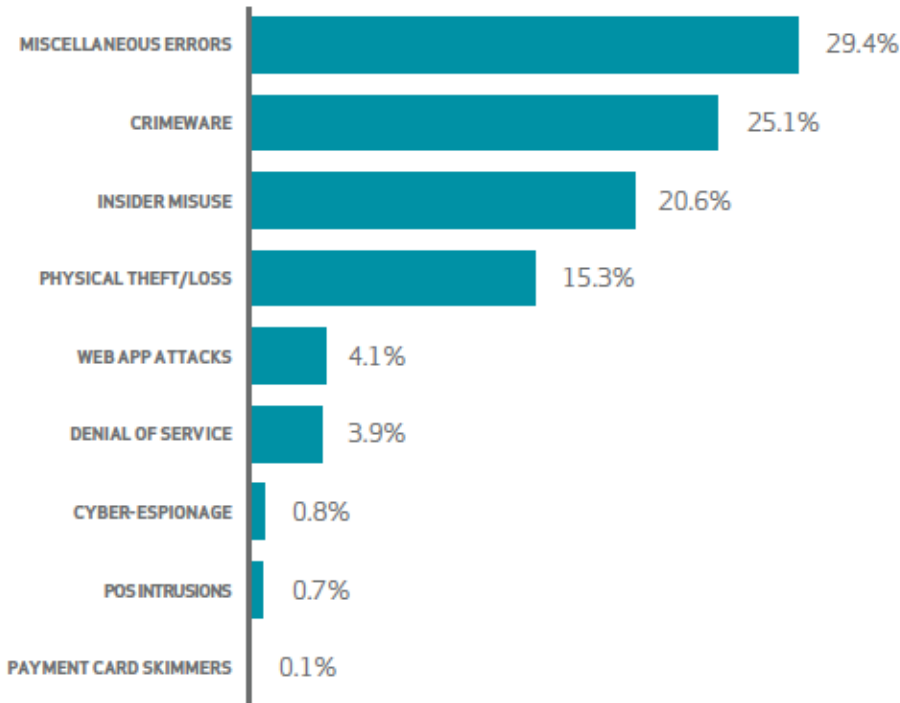


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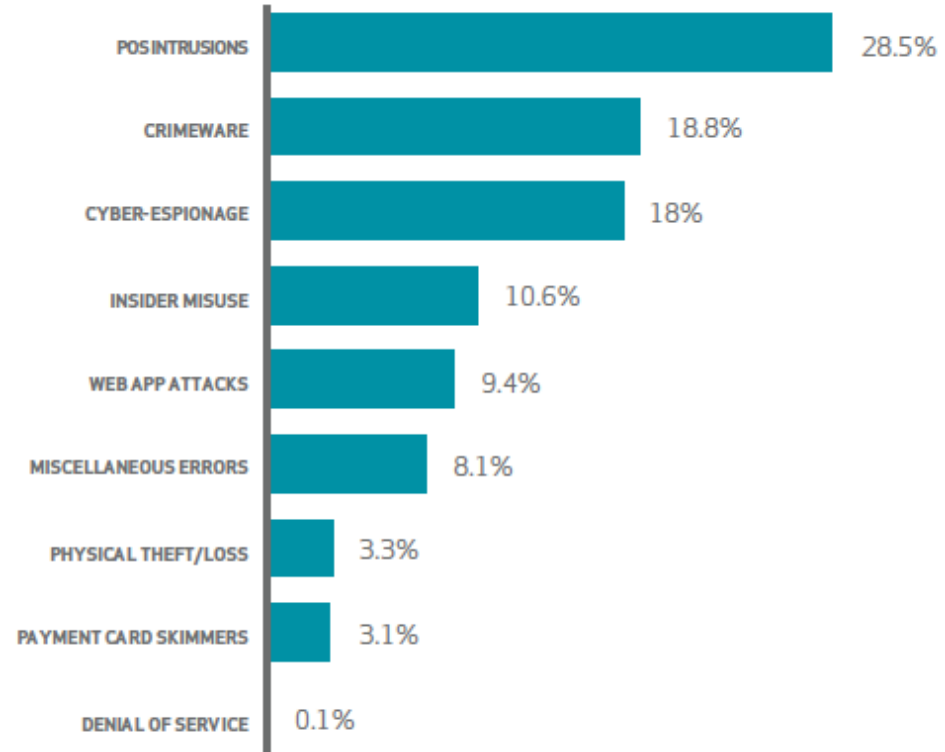
**How Can You
Make Sense Of
All The Threats?**



Incident classification patterns: Frequency



across incidents



across breaches

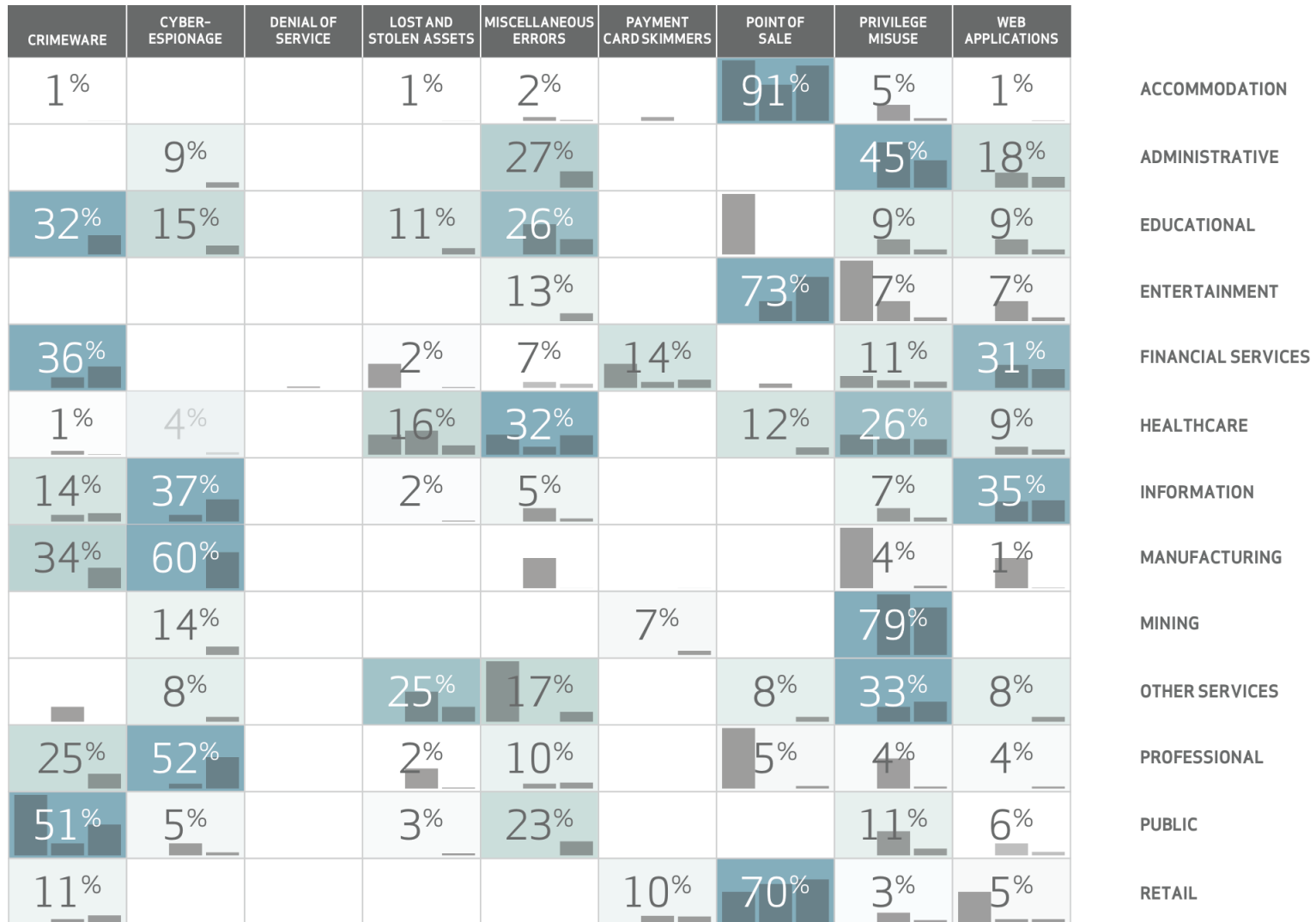


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**What Are The
Biggest Threats To
Your Organisation?**

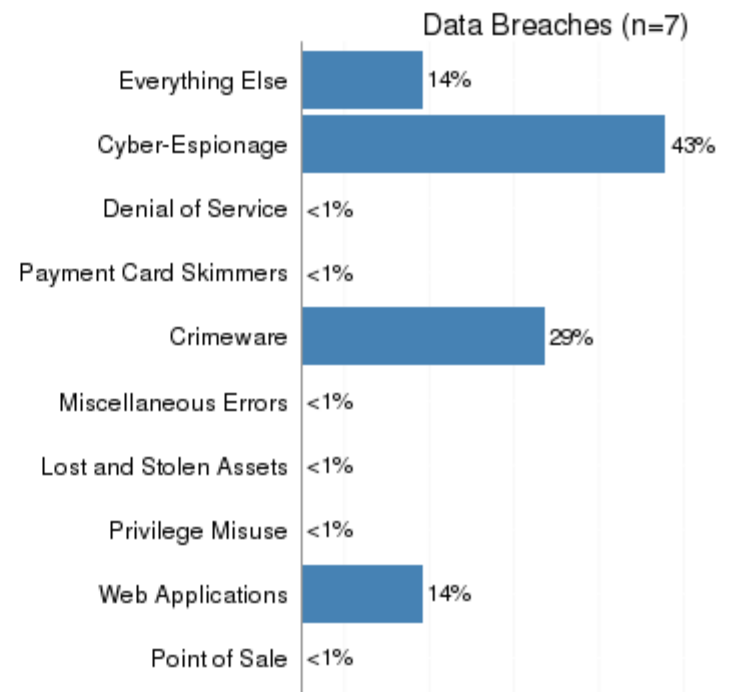
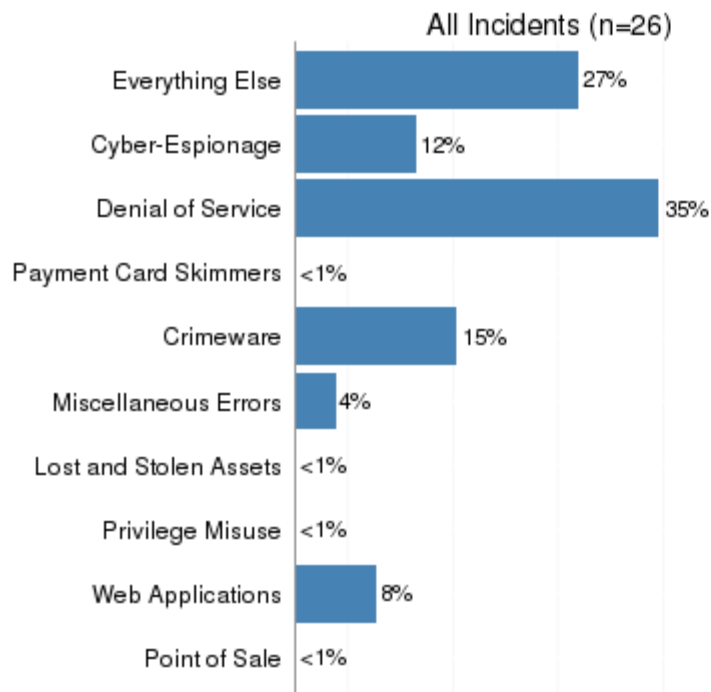


Incident Patterns by Industry





Telecommunications Patterns





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**What Can
You Do?**

When state-affiliated actors breach an organisation, targeting intellectual property.



What can you do?

- ✓ Patch promptly.
- ✓ Monitor email links and attachments.
- ✓ Use anti-virus and modern anti-malware tools.
- ✓ Train users on the risks of phishing.

Any use of malware to compromise systems. Typically opportunistic and motivated by financial gain.



What can you do?

- ✓ Patch anti-virus and browsers.
- ✓ Enable two-factor authentication.
- ✓ Implement configuration change monitoring.

Denial of Service (DoS) Attacks

Use of “botnets” to overwhelm an organisation with malicious traffic and bring business operations to a halt.



What can you do?

- ✓ Have a plan.
- ✓ Make sure it works.
- ✓ Separate data so that less important systems don't become a gateway to critical ones.



Thank You

Any
Questions?



Additional Information

- Download DBIR – www.verizonenterprise.com/DBIR
 - For 2015 Verizon are CHECK approved
 - 2015 is the first year HMGov has contributed to DBIR
- Learn about VERIS - www.veriscommunity.net and <http://github.com/vz-risk/veris>
- Ask a question – DBIR@verizon.com
- Read our blog - <http://www.verizonenterprise.com/security/blog/>
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