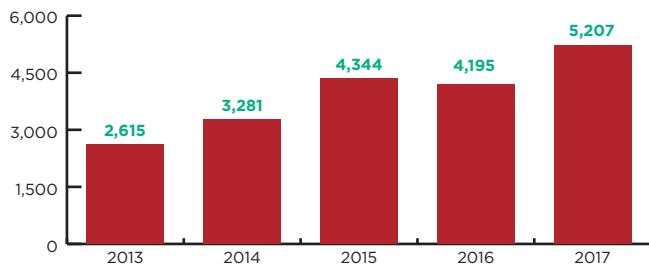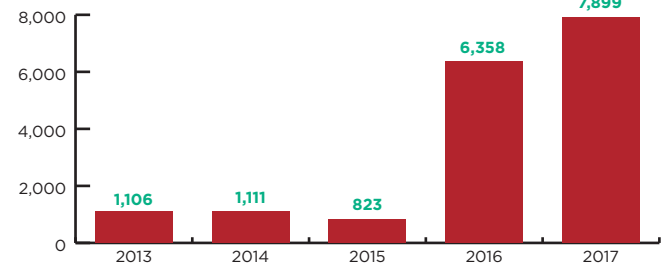# DATA BREACH TRENDS
2017 IN REVIEW

A recent survey by FutureNautics revealed that fewer than one in eight crew members on maritime vessels are even aware of cyber policies, which can pose a huge concern for maritime operations[1]. In a recent report[2] by cyber security analytics and consulting firm Risk Based Security, the firm stated there were 5,200 breaches reported in 2017, exposing approximately **7.89 billion records** and making 2017 the "worst year on record" for data breaches. Compared to 2016, the number of reported breaches is up 24.1% and the number of exposed records is up 24.3%.

Is your company prepared for a data breach? Below are more interesting findings from the Risk Based Security study.
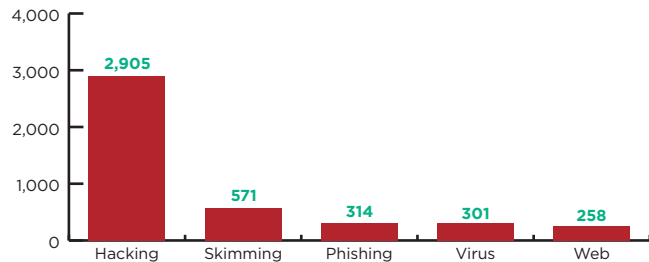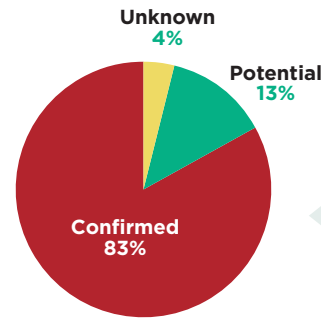
NUMBER OF INCIDENTS BY YEAR

Bar chart — 2013: 2,615; 2014: 3,281; 2015: 4,344; 2016: 4,195; 2017: 5,207

NUMBER OF RECORDS EXPOSED BY YEAR
(IN MILLIONS)

Bar chart — 2013: 1,106; 2014: 1,111; 2015: 823; 2016: 6,358; 2017: 7,899

TOP 5 BREACH TYPES IN 2017

Bar chart — Hacking: 2,905; Skimming: 571; Phishing: 314; Virus: 301; Web: 258

CONFIDENTIALITY IMPACT

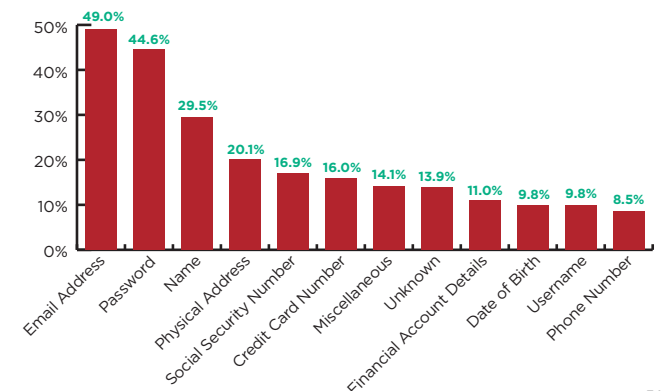Pie chart — Unknown 4%; Potential 13%; Confirmed 83%

In 2017, 83% of all data breaches resulted in confirmed unauthorized access to data.

Hacking (unauthorized intrusion into systems or networks) is continuously the leading source of data breaches.

However, 2017 saw the lowest percentage of records exposed by hackers since 2008, when 45.5% of exposed records were the result of hacking.

INCIDENT BY DATA TYPE EXPOSED

Bar chart — Email Address: 49.0%; Password: 44.6%; Name: 29.5%; Physical Address: 20.1%; Social Security Number: 16.9%; Credit Card Number: 16.0%; Miscellaneous: 14.1%; Unknown: 13.9%; Financial Account Details: 11.0%; Date of Birth: 9.8%; Username: 9.8%; Phone Number: 8.5%

[1] Michael Bahar (2017, August 14). "Is the Shipping Industry on Cybersecurity Autopilot?". *Maritime Executive*. Retrieved from https://maritime-executive.com/editorials/is-the-shipping-industry-on-cybersecurity-autopilot

[2] Risk Based Security (2018). Data Breach QuickView Report (Year End 2017).

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