DATA BREACH

A data breach, as defined by the Ponemon Institute, occurs when an individual's name, medical or financial record is potentially put at risk in either electronic or paper format in a malicious or criminal attack, system glitch or human error.

RECORDS BREACHED IN THE YEAR 2016
1,378,509,261

NUMBER OF BREACH INCIDENTS
1,792

EVERY DAY
3,776,738

EVERY HOUR
157,364

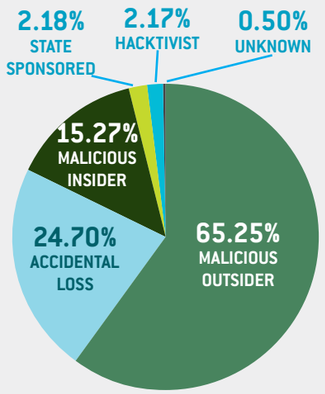
EVERY MINUTE
2,623

EVERY SECOND
44

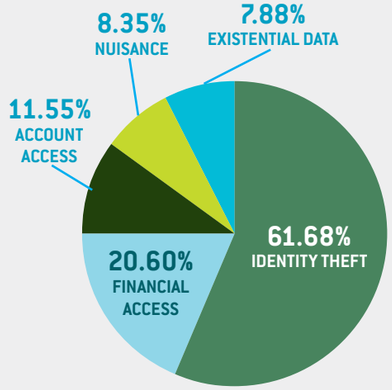
PERCENTAGE OF BREACHES WHERE NUMBER OF COMPROMISED RECORDS WAS UNKNOWN
52.2%

PERCENTAGE OF DATA BREACHES WHERE ENCRYPTION WAS USED
4.2%

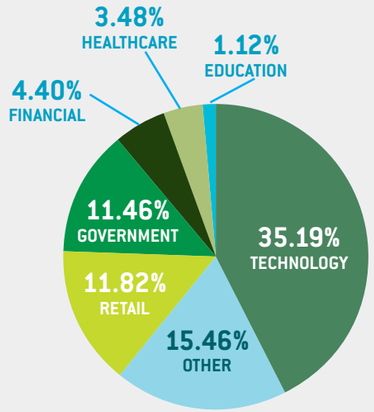
DATA BREACHES BY SOURCE



DATA BREACHES BY TYPE



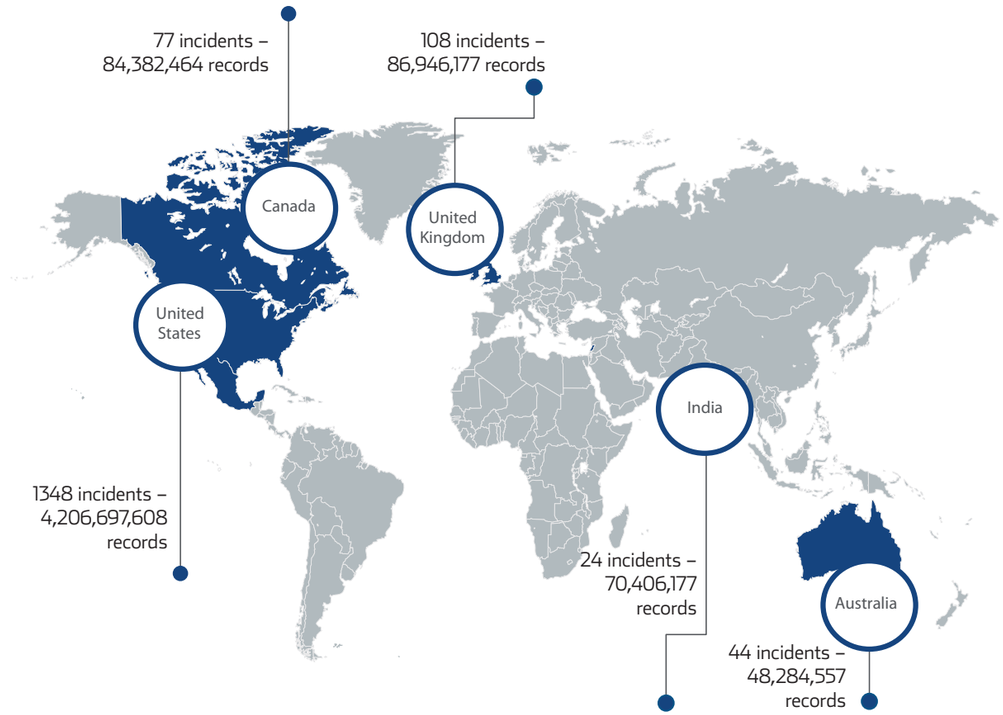
DATA STOLEN OR LOST BY INDUSTRY



THE DASHBOARD

DATA BREACH

COUNTRIES WITH THE HIGHEST NUMBER OF BREACHES IN 2016



WORLD'S BIGGEST DATA BREACHES IN GOVERNMENT

2017
Privatization Agency of the Republic of Serbia – 5,190,396
Clinton Campaign – 5,000,000
Syrian government – 274,477

2016
Philippines Commission on Elections – 55,000,000
Turkish Citizenship Database – 49,611,709

2015
U.S. Voter Database – 191,000,000
U.S. Office of Personnel Management – 21,500,000
U.S. IRS – 100,000
Australian Immigration Dept. – 500,000

2014
Kissinger Cables – 1,700,000

THE ROOT CAUSES OF DATA BREACH IN CANADA

Malicious or criminal attack – 54%
Human error – 25%
System glitch – 21 %

THE TOP 5 PREVENTIVE MEASURES IMPLEMENTED BY COMPANIES IN CANADA AFTER A DATA BREACH

Training and awareness programs – 63%
Additional manual procedures and controls – 50%
Expanded use of encryption – 46%
Security certification or audit – 39%
Identity and access management solutions – 38%

Source: Breach Level Index Report, Information is Beautiful, Ponemon Institute Research Report.