

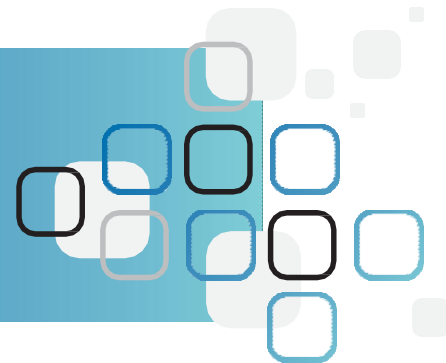


SAAPI

South African Association of Pharmacists in Industry

Cyber Crime

Candice Sutherland (Lady_Liabs)



WHAT IS CYBER CRIME



Any criminal activity
that involves a
computer or the
Internet



TOP 3 CYBERCRIMES

PLAY

CYBERCRIME



GLOBALLY

the most common – and most preventable - type of cybercrime remains **computer viruses or malware**

54%

of online adults have experienced virus/malware attacks

58%

of these victims were attacked in the past 12 months

Computer virus and malware crime capitals



MEXICO

71%



BRAZIL & CHINA

68%



SOUTH AFRICA

65%



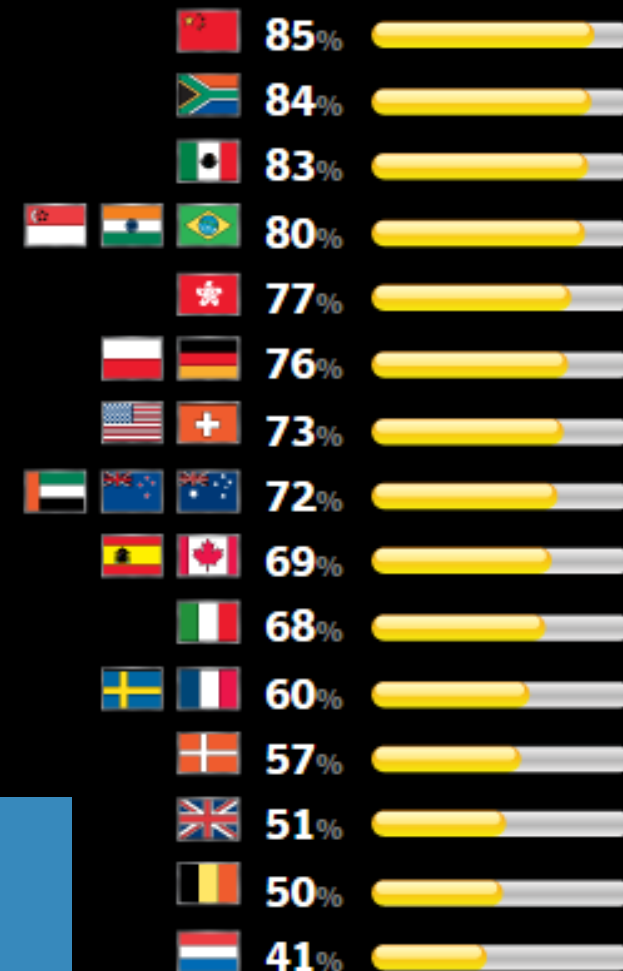
GLOBALLY

54%



CYBERCRIME HOTSPOTS

Adults(%) who have been a victim of cybercrime



haveibeenpwned.com

NORTON

Advancements in the healthcare industry, many of which are driven by technology, have resulted in healthcare providers storing and processing more data than ever before. From patient data to intellectual capital, insights gathered from analysing data continue to drive advancements in healthcare. However, the adoption of technology and use of new channels and platforms to gather, store and analyse data provides a larger attack surface for cyber attackers to exploit



WHY HEALTHCARE?

HEALTHCARE INFORMATION IS **10** TIMES MORE VALUABLE



ON THE **BLACK MARKET** THAN **SOCIAL SECURITY** & **CREDIT CARD** INFORMATION.



WHY ?



NOT EASILY CHANGED



BASIS FOR INSURANCE/
CREDIT FRAUD



TARGET FOR
OVERSEAS INTELLIGENCE



HIGH QUALITY AND
DEEPLY PERSONAL



OBTAINING ILLICIT
PRESCRIPTION DRUGS



BLACKMAIL
POSSIBILITIES

More than **120 million** healthcare records were compromised

Healthcare remains the **#1** attacked industry and one of the least prepared to deal with a breach

89% of healthcare organizations have experienced a data breach involving loss of or theft of patient data

69% of breaches were caused by employee negligence



UNCONVENTIONAL CYBER BREACHES

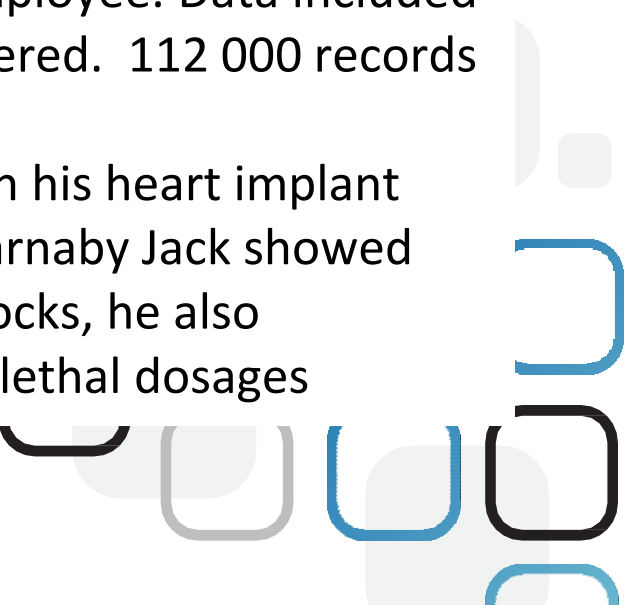
Affinity Health Plan, Inc. A rented photocopier used to copy health records did not have its hard-drive wiped before its return. 344 579 records exposed

Health Net. A portable hard drive with seven years of personal and medical records was lost. 1 500 000 records exposed

Seacoast Radiology. Computer gamers hacked their server in search of more bandwidth to play Call of Duty: Black Ops. In the process they also gained access to personal records of the more than 230 000 patients of the health center

French police health insurance. Files uploaded to Google Drive by a 'malicious' employee. Data included home addresses and two weeks later a patient and French police officer was murdered. 112 000 records exposed

Dick Cheney. The former American Vice President had the wireless functionality on his heart implant disabled amid fears it could be hacked in an assassination attempt. Research by Barnaby Jack showed that implanted pacemakers and defibrillators could be hacked to deliver deadly shocks, he also demonstrated how a certain model of insulin pump could be hacked to administer lethal dosages





HOW DO I PROTECT MYSELF?

BYOD

Passwords

Wi-Fi hotspots

Think before you
click

Antivirus

Default
passwords

Remote wipe

Cloud storage

USB charging

Updates and
patches

Geo tagging

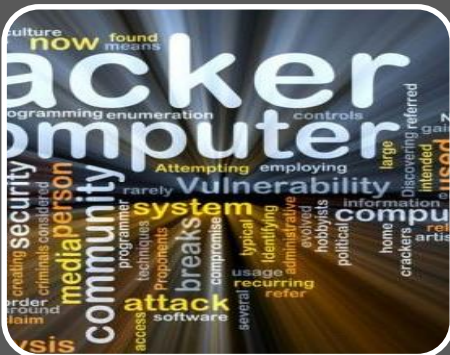
Cyber insurance



WHAT IS CYBER INSURANCE?



Privacy Breach: means a breach of confidentiality, infringement, or violation of any right to privacy, which results in harm to employees or third parties



Network Security Breach: means a Downstream attack, or Unauthorised Access to, Unauthorised Use of, Theft of Data from, Denial of Service Attack or transmission of Malicious Code to the Insured's Computer System, including physical theft of the Insured's Computer System, or any part thereof



WHAT DOES THE POLICY COVER

1st and 3rd party
cover

Cyber Liability

Fines and
Penalties

Crisis
management

Notification
Expenses

Data Recovery

Business
Interruption

Extortion

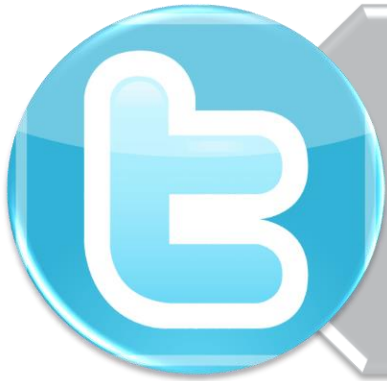
Digital Media

Reputation
management

Loss of business
income

Incident
Response





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