

WHEN THE POPIA HITS THE FAN

WHO IS GOING TO JAIL?

25 AUG
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Project: **INCIDENTS**
Client: **UNIVERSITY OF CAPE TOWN**
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POPIA BASICS

(WHAT IS POPIA ABOUT?)

WHAT IS PERSONAL INFORMATION?

- Identifiers
- Demographic information
- Contact details
- Financial information
- Background or historical information

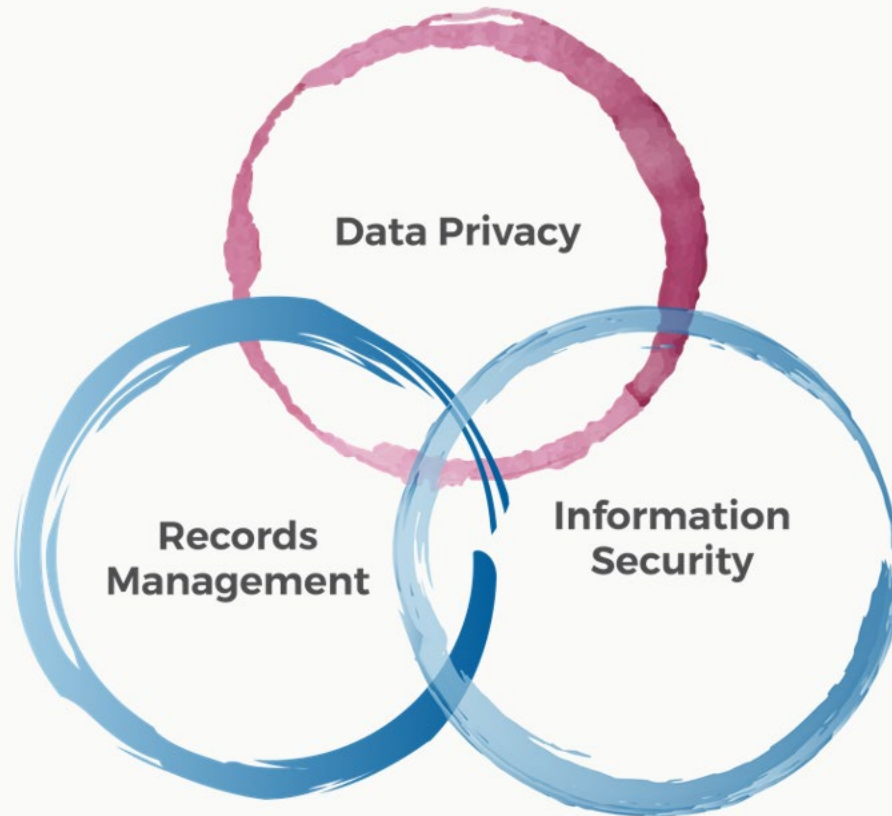
Information relating to an identifiable, living, natural person or an existing organisation.

- Usernames and social media handles
- Biometric information
- Health information
- Preferences and opinions
- Behavioural information
- Correspondence

MEET YOUR DATA SUBJECTS

- **Students:** Prospective students, student applicants, students (South African or international), exchange students and alumni
- **Employees and functionaries:** Academic and administrative staff, employment candidates, external members of committees, student employees (e.g., research assistants, tutors), the SRC and council members
- **Research:** Researchers and research participants
- **Affiliated organisations:** Donors, funders, 'subsidiaries' (e.g., units and centers, companies in which the University is a shareholder), partners (e.g., exchange programmes), service providers, suppliers, independent contractors
- **Other individuals:** Family members of students and employees, sureties, emergency contacts visitors and members of the public

THREE POLICIES OLD AND NEW



AT A GLANCE: THE CIA TRIAD

- **Confidentiality:** Access should be granted on a 'need to know' basis. Also known as 'roles-based' access.
- **Integrity:** Ensure that information isn't tampered with. Changes to information should be controlled.
- **Availability:** Ensure that the services of the company are available through Business Continuity Management.

AN IMPORTANT EMAIL ADDRESS



uctcsirt@uct.ac.za

WHEN THE POPIA STRIKES THE FAN.

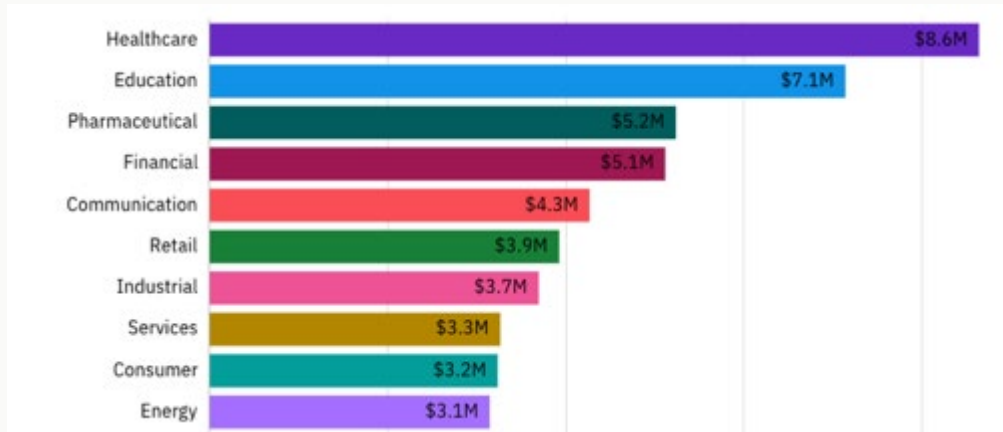
(THE REAL COST OF A DATA BREACH.)

DON'T THINK THAT IT WON'T HAPPEN TO US

“There are only two types of companies – those that know they’ve been compromised, and those that don’t know. If you have anything that may be valuable to a competitor, you will be targeted, and almost certainly compromised.”

- Dimitri Alperovitch, CTO CrowdStrike

THE COST OF A DATA BREACH



There are four horsemen of the apocalypse:

- Detection and escalation
- Post data breach response
- Notification
- Lost business

LET'S SEE THIS IN ACTION: \$292 MILLION



TARGET: THE FALL OUT

- Bye-bye CIO and CEO
- **\$ 153.9 million** in class action settlements and reimbursements for fraud
- **\$ 138.4 million** in other costs (legal fees, FCC fine, credit monitoring for millions of customers, audits)
- Sales fell (difficult to quantify, but it looks like about 10%), net income **decreased by 34%** due to direct cost in first year post breach

Target's data breach cost the company a lot of money.

- Insurance covered **\$ 90 million**

WHEN THE POPIA STRIKES THE FAN...

Strategic risk

Fine

Financial
risk

Litigation
risk

Operational risk

Business
continuity risk

HR risk

Reputational risk

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WHAT COULD GO WRONG?

(INCIDENTS COME IN ALL SHAPES AND SIZES.)

WHAT COULD GO WRONG?

- **Employee error:** Congrats, we are the weakest link
- **Cyber attack:** Exploits (e.g. brute-force password attacks) & malware
- **Social engineering:** Tricking users (e.g. phishing)
- **Unauthorised access:** Seeing things you shouldn't
- **Ransomware:** Kidnapping your files
- **Malicious insiders:** Revenge or financial gain are powerful motivators
- **Physical theft:** Going old-school
- **Information leaks or loss:** It is not always malicious

WHAT HAPPENS NEXT?

(MOVING QUICKLY IS THE NAME OF THE
GAME.)

DON'T THINK THAT IT WON'T HAPPEN TO US

“

If there is an incident or breach real or suspected, it should be reported to the UCT

CSIRT (uctcsirt@uct.ac.za). The incident will be assessed triaged and handled according to our incident handling procedures.

”

- Your privacy notices

ONCE MORE



uctcsirt@uct.ac.za

THANK YOU!

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