



Data Privacy in 2021 - Things you need to know

The University of Hong Kong

03 November 2021

Agenda

Basics of
Personal Data

1

Cybersecurity Trends
& Statistics

2

General IT Security
Controls

3

4

New Normal - Emerging
Cybersecurity Challenges

5

Crisis Management

6

The System and
Practices of HKU



1

Basics of Personal Data

Basics of Personal Data

▶ **‘Personal data’** means any data -

- ▶ (a) Relates directly or indirectly to a living individual (“**data subject**”)
 - ▶ Can be used to identify that person
- ▶ (b) Exists in a form which can be processed and accessed

e.g.

Name	ID card number
Phone number	Medical record
Address	Employment record

▶ **Sensitive personal data**

- ▶ HKID
- ▶ Health-related data
- ▶ Personal data revealing racial or ethnic origin, political opinions, religious or philosophical beliefs
- ▶ Data concerning a person’s sex life or sexual orientation

Basics of Personal Data

- ▶ **'Data user'** means a person who
 - ▶ Either alone or jointly or in common with other persons, controls the collection, holding, processing, usage
 - ▶ Liable as the principal for the wrongful act of its authorized data processor

- ▶ **'Data processor'** process data on behalf of the data user, instead of for his/her own purpose(s)
 - ▶ Data users are required to, by contractual or other means, ensure that their data processors meet the applicable data privacy requirements

Basics of Personal Data

1

Collection

2

Accuracy &
Retention

3

Use

4

Security

5

Openness

6

Data Access &
Correction

Basics of Personal Data

1

Collection

Personal data must be collected in a lawful and fair way, for a purpose directly related to a function / activity of the data user.
Data collected should be adequate but not excessive.

Basics of Personal Data

2

Accuracy & Retention

Practical steps shall be taken to ensure personal data is accurate and not kept longer than what is necessary to fulfil the purpose for which it is used.

Basics of Personal Data

3

Use

Personal data must be used for the purpose for which the data is collected or for a directly related purpose, unless voluntary and explicit consent with a new purpose is obtained from the data subject.

Basics of Personal Data

4

Security

A data user needs to take practicable steps to safeguard personal data from unauthorized or accidental access, processing, erasure, loss or use.

Basics of Personal Data

5

Openness

A data user must take practicable steps to make personal data policies and practices known to the public regarding the types of personal data it holds and how the data is used.

Basics of Personal Data

6

Data Access & Correction

A data subject must be given access to his / her personal data and allowed to make corrections if it is inaccurate.

Personal Information Collection Statement (PICS)

The University of Hong Kong

Personal Information Collection Statement Job Applications

1. Statement of Purpose
 2. Statement of possible transferees
 3. Statement as to whether it is obligatory or voluntary for the individual to supply his personal data
 4. Statement of rights of access and correction and contact detail
 5. Notice of contact person for requesting access or correction
- The personal data provided in your application process will be used for recruitment and other employment-related purposes. The personal data may be transferred and disclosed to, and used by the University's faculties/schools/departments/other offices and work units/staff members, and organisations, agencies and persons in or outside Hong Kong (e.g. service providers engaged by the University) for the above purposes and directly related purposes, including but not being limited to processing, storing and verifying the accuracy of the personal data provided.
- In handling the personal data provided, the requirements of the Personal Data (Privacy) Ordinance ("Ordinance") and other applicable legal requirements of other jurisdictions will be strictly complied with.
- It is obligatory for you to provide the personal data as required in the application process. If you fail to provide the required personal data, your application may not be considered.
- You have the right to request access to and correction of your personal data as provided for in Sections 18 and 22 and Principle 6 of Schedule 1 of the Personal Data (Privacy) Ordinance. Please visit the University's Privacy Policy Statement for enquiries or further details.

A woman with dark hair and bangs, wearing glasses and a dark top, is looking at a computer screen. She has a heart-shaped necklace and is holding a pencil near her chin. The background is dark and out of focus, suggesting a dimly lit office or home workspace. A large, semi-transparent number '2' is overlaid on the left side of the image.

2 Cybersecurity Trends and Statistics

Cybersecurity trends and statistics

- ▶ **Student PII (personally identifiable information)**
- ▶ **Cutting edge research**
- ▶ **Technology innovations**

- ▶ **Intellectual Property**
- Why would hackers attack an educational institution?**

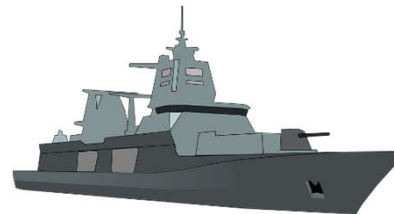


Cybersecurity trends and statistics

- ▶ Direct compromise of **email systems**
- ▶ Exposure of **sensitive patient information** in school health care systems
- ▶ Cyber attacks originating from **foreign countries** to specific entry points within the educational institutions
- ▶ **DDoS** attacks that interrupted daily operations during key times in the school year
- ▶ Costly **ransomware** that resulted in ransom paid for the return of sensitive data
- ▶ **Phishing** attack

Cybersecurity trends and statistics

- ▶ Hackers have been targeting universities in an effort **to uncover maritime technology** that is being developed for military use.
- ▶ **27 universities** were involved
- ▶ Focused on **stealing research data**
- ▶ The university networks were breached **with phishing emails** that hackers designed to look like real messages from other universities. The emails were secretly packed with **spyware** instead.
- ▶ The effort dates back for almost 2 years



Cybersecurity trends and statistics

Data Breach at one of the major Universities in US

An annual cybersecurity inspection performed by the University revealed vulnerability in a server associated with a database. The information breached included the **names and email addresses** of **355,000 individuals**, including students and teachers of the University.

Cyberattack targeting a University

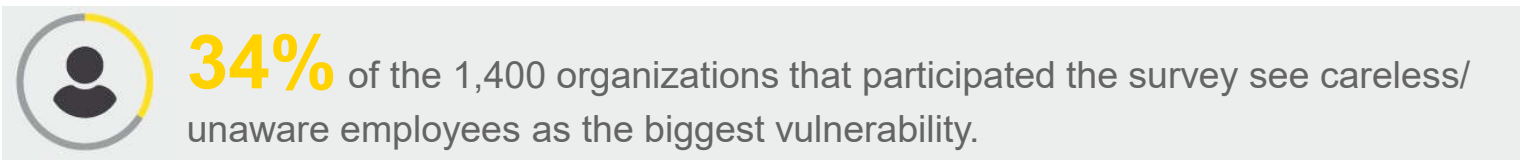
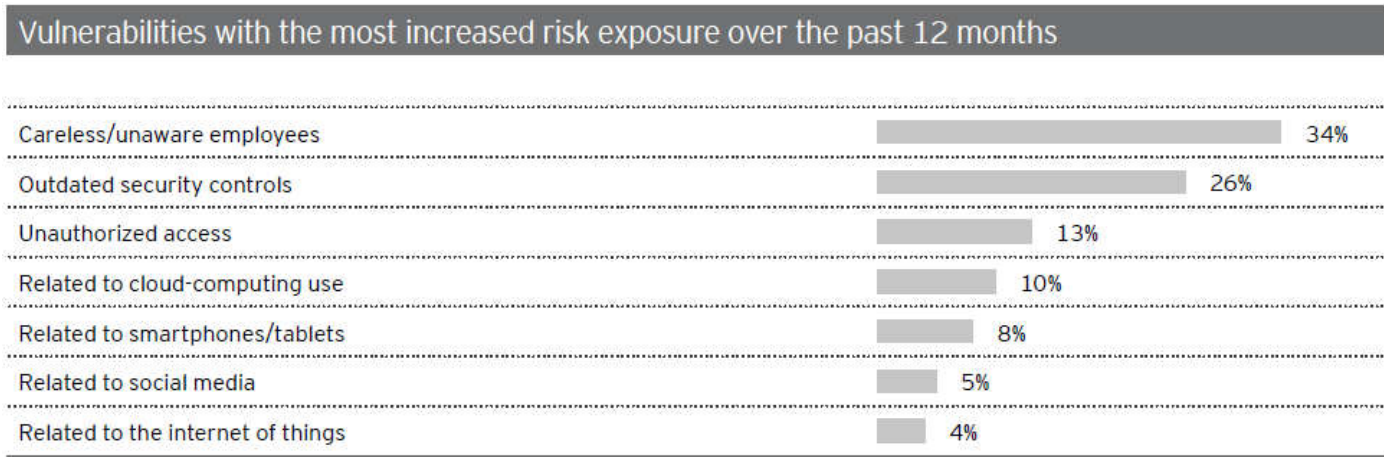
The University experienced a cyberattack exploiting the vulnerability in a software provided by third-party vendor. Over **300,000** unique records with **personal identifiable information (PII)** were involved, including PII from students and employees (names, student ID numbers, addresses, dates of birth, phone numbers, genders etc.), **health and clinical data**, and **study and research data**.

Cybersecurity trends and statistics

- ▶ **41%** of **higher education cyber security incidents** and breaches were caused by **social engineering** attacks
- ▶ **Phishing scams** → the most prevalent attacks against students, staff and faculty



Human factors



Source: EY Global Information Security Survey

A man and a woman are working on a complex robotic device in a laboratory setting. The man, on the left, is wearing a green sweater and is focused on the device. The woman, on the right, is wearing a blue sweater and glasses, and is also working on the device. The device is a small, boxy robot with a camera and various sensors. It is sitting on a yellow table. In the background, there are shelves with various items and a clock on the wall. A large, semi-transparent circular graphic is overlaid on the left side of the image.

General IT Security Controls

General IT Controls

- System Design and Technology Risk
- System and Network Availability Risk
- End Point Security
- Network Configuration
- IT Security Policies and System Administration Procedures
- Program Change Management
- Patch Management
- Data Security and Privacy
- User Account Management
- Segregation of Duties
- Physical Security and Environment Controls
- Data Backup and Recovery
- Problem and Security Incident Management
- Cloud Management
- Third Party Risk Management

General IT Controls

▶ Work Station

▶ Complex Password

- ▶ Minimum length of **10** characters
- ▶ Alphanumeric
- ▶ Non-sequential
- ▶ Do not use default password



▶ Lock your computer when leaving it unattended

▶ Account lockout Policy

- ▶ Duration: **30 minutes**
- ▶ Threshold: **3 invalid attempts**



General IT Controls



6 lowercase letters
10 MINUTES

P@ssw0rd

12345678

123123



7 lowercase and
uppercase letters
23 DAYS

1234567890

Your name along with your birthday

Letmein

Unlock



8 lowercase, uppercase
numbers and symbols
463 YEARS

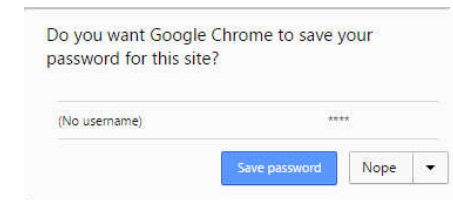
Starwars
whatever

football

General IT Controls

▶ Avoid using public computer to access confidential files

- ▶ Public machines can be infected with **key logger malware**
- ▶ **Disable** password saving
- ▶ **Delete** temporary Internet files and browsing history



▶ Physical Security

- ▶ Avoid placing workstations in **very public or private locations**
- ▶ **Restrict access** to vulnerable workstations
- ▶ Install **cable locks**
- ▶ Install **privacy screen filters**
- ▶ Loss or destruction of devices should be **reported immediately**



General IT Controls

► Storage

- Encryption
- Organizations that collect **PII** should ensure that PII is stored on a storage system
- **Backup** the computer regularly
 - An encrypted disk that crashes
- HKU's **Data Leakage Protection**
 - A measure adopted by HKU
- Always encrypt removable media
 - Store sensitive data only when it is **absolutely necessary** and **erase** the data immediately after using it

DPP4: Data Security

A data user needs to take practicable steps to safeguard personal data from unauthorized or accidental access, processing, erasure, loss or use.

Know what kind of data you are dealing with

- ▶ **HKU's Data Classification Scheme**

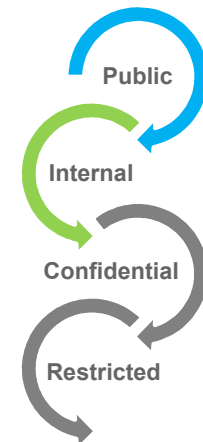
- ▶ **Four Levels of Classification**

- ▶ **Public**

- ▶ Open to public
 - ▶ No Restriction on access
 - ▶ Present minimal perceived risk
 - ▶ i.e. HKU policies, programme information, press releases

- ▶ **Internal**

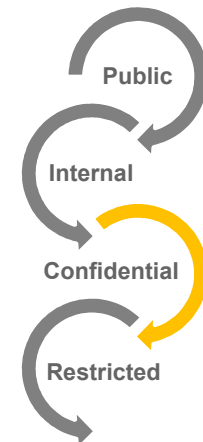
- ▶ Non-sensitive operational data/information
 - ▶ Disclosures are not expected to cause serious harm to HKU
 - ▶ Access may be provided to staff based on respective roles and responsibilities
 - ▶ i.e. Staff handbooks, training materials, internal procedures



Know what kind of data you are dealing with

▶ Confidential

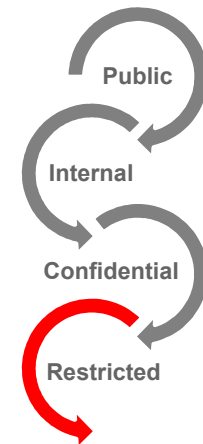
- ▶ Sensitive data/information intended for use by specific group of authorized personnel within HKU and business partners
- ▶ Assigned on a need-to-use basis
- ▶ Unauthorized disclosure, modification or destruction would adversely affect the business or continuity of operations
- ▶ i.e. Student and staff personal information, unpublished research information, identifiable research subject data



Know what kind of data you are dealing with

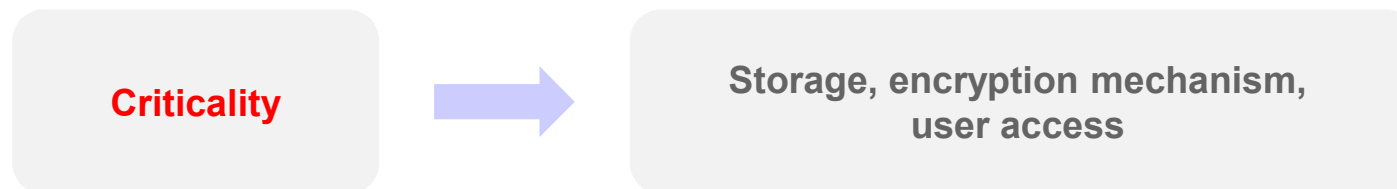
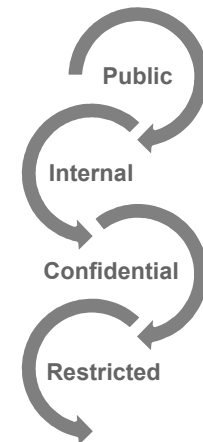
▶ **Restricted**

- ▶ Data/information that is very sensitive in nature and restricted by HKU, the gov or any other agreements between HKU and 3rd parties
- ▶ Critical to HKU's capacity to conduct its business
- ▶ Used exclusively by limited numbers of predetermined and authorized individuals
- ▶ Financial lost or damage to HKU's reputation
- ▶ i.e. Examination papers before official release, privileged accounts' passwords, sensitive personal data (HKID, credit card information)

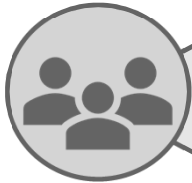


Know what kind of data you are dealing with

- ▶ Make good use of the **HKU Data / Information Asset Inventory**
 - ▶ **Categories**
 - ▶ **Description**
 - ▶ **Responsible Data Steward**
 - ▶ **Concerned Data Custodian**
 - ▶ **Physical location**
 - ▶ **Digital Storage**
 - ▶ **IT Application / System name**
 - ▶ **System Owner**
 - ▶ **Classification**
 - ▶ **Security Measures**



General IT Controls



Follow best practice on user account management

- ▶ Formal user account request and review procedure should be in place
- ▶ Having a formal **User Access Request Form** can ensure that proper approval have been obtained for all user access requests.
 - ▶ The request (application / modification / deletion)
 - ▶ Relevant system / application
 - ▶ Name and position of the requester
 - ▶ Date of submitting the request
 - ▶ Name, position and signature of the approver
 - ▶ Date of granting the approval
 - ▶ Name of the IT Officer who is responsible for the technical procedures
 - ▶ Completion date
- ▶ **Segregation of Duty** for Requester, Approver and Reviewer
- ▶ **Regular review** on the user access list
- ▶ Don't keep an excess amount of testing accounts

General IT Controls



Follow best practice on data backup & recovery

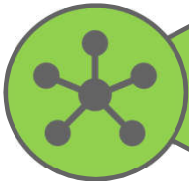
- ▶ A critical factor in your backup solution is **remote backups**
- ▶ Off-site, or at least off-server, backups will remain viable even if your central server is compromised
- ▶ Ensure backups are taken **frequently** and on a **regular** schedule
- ▶ Critical data that is continuously updated requires a more frequent backup schedule
- ▶ Consider how long you will **retain** each backup based on your business needs
- ▶ **Encrypt** the backup files
- ▶ Perform **backup recovery test** on a regular basis

General IT Controls



Patch servers, workstations and relevant applications up-to-date to avoid known vulnerabilities being exploited

- ▶ Regular checking on available patches from vendor / emails from ITS
- ▶ Test the patches before deploying to production environment
- ▶ Regular patch scanning to identify gaps



Do not expose unnecessary service to user

- ▶ Only allow minimum permission under the least privilege basis
- ▶ Restrict normal users from installing or uninstalling software
- ▶ Regular checking on the application and services running
- ▶ Well defined firewall rule set

A high-angle, top-down photograph of a person's hands typing on a silver laptop keyboard. The person is wearing a light-colored, vertically striped long-sleeved shirt. The desk is white and cluttered with various items: a black wireless mouse, a black tablet, a silver remote control, a white coffee cup with latte art, a small notepad with two pens, and a black folder. The text "Emerging Cybersecurity & Data Privacy Challenges" is overlaid in white on the left side of the image.

Emerging Cybersecurity & Data Privacy Challenges

New Normal

COVID-19

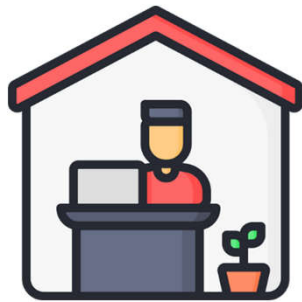
The COVID-19 pandemic has popularized the use of this term.

*“A state to which a **society, economy, technological environment** etc. settles following a crisis, which differ from the situation that prevailed prior to the start of the crisis.”*

The pandemic has changed the daily life for most people, such as limiting person-to-person contact, social distancing etc.



Covid-19 Pandemic introduced...



Work-From-Home

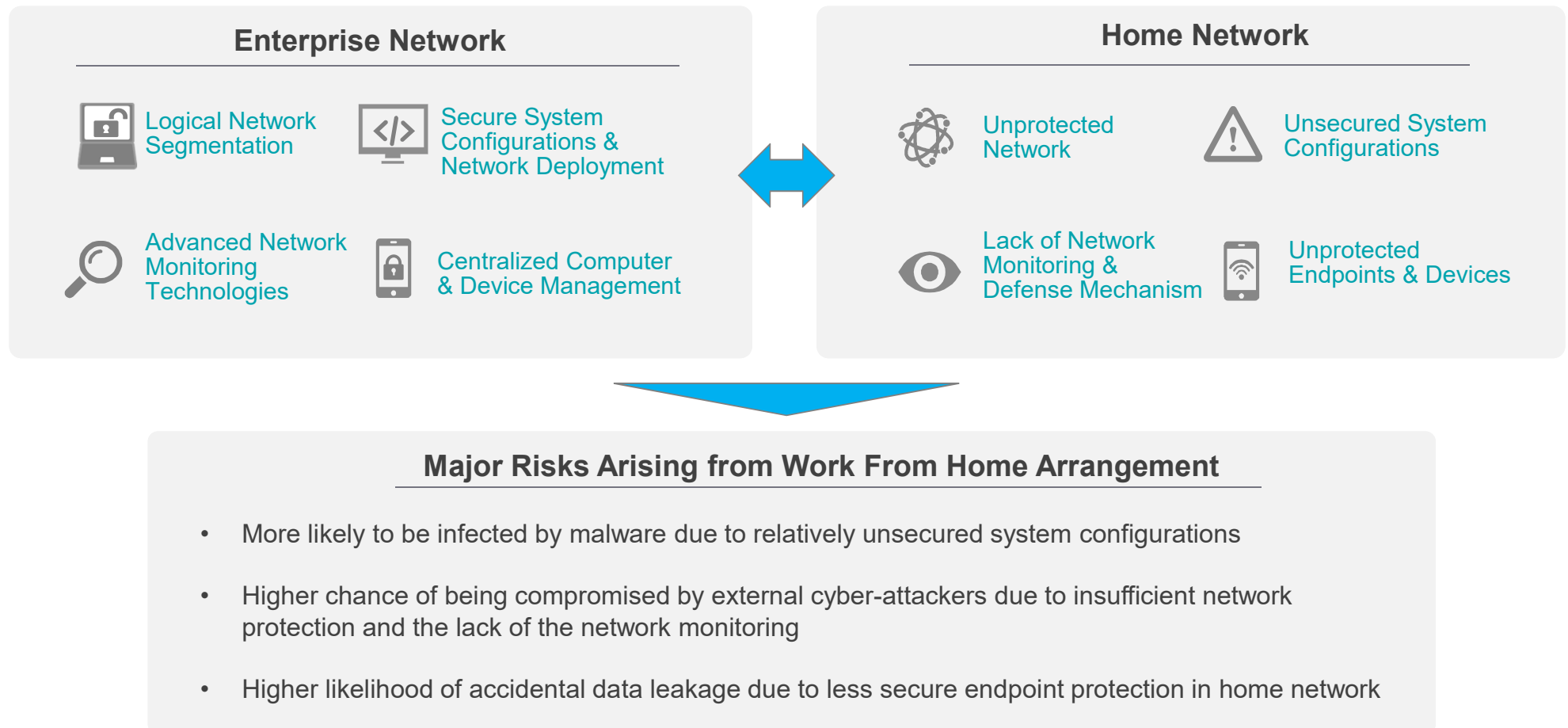
WFH Overview

- ▶ Education/academia has been one of the biggest new adopters of WFH technologies

New tech adoption to enable remote work as a result of COVID-19

	Yes	No	Unsure
Legal Services	68%	24%	8%
Education/Academia	67%	22%	11%
Health care	60%	32%	8%
Government	60%	28%	13%
Banking	54%	34%	12%
Insurance	40%	46%	13%
Software and services	32%	59%	9%
Tech hardware/equipment	22%	66%	13%
Marketing	22%	72%	6%
Materials	0%	60%	40%
OVERALL	45%	46%	9%

Difference between WFH and office



Bring Your Own Device & Video Conferencing

▶ **Bring Your own Device (BYOD)**

- ▶ Employees use their personal devices to access work-related systems and the organization's information, potentially personal or confidential data.

▶ **Video Conferencing**

- ▶ A technology that allows users in different locations to hold face-to-face meetings without having to move to a single location together.

Company Meeting



Seminar



Remote classroom



Webex Meetings

BYOD Security Risks

▶ **BYOD**

- ▶ A lot of personal devices are already infected with **malware**
- ▶ **Security configurations** and **hardening controls** might not be aligned with the organization's standards
- ▶ Storing the **organization's information and data** on personal devices without proper guidelines and controls might lead to various **privacy issue** (i.e. data retention)



- ▶ **Unsecured** and **uncontrolled** BYOD devices might create huge security loopholes in the organization's security posture

BYOD Security Tips

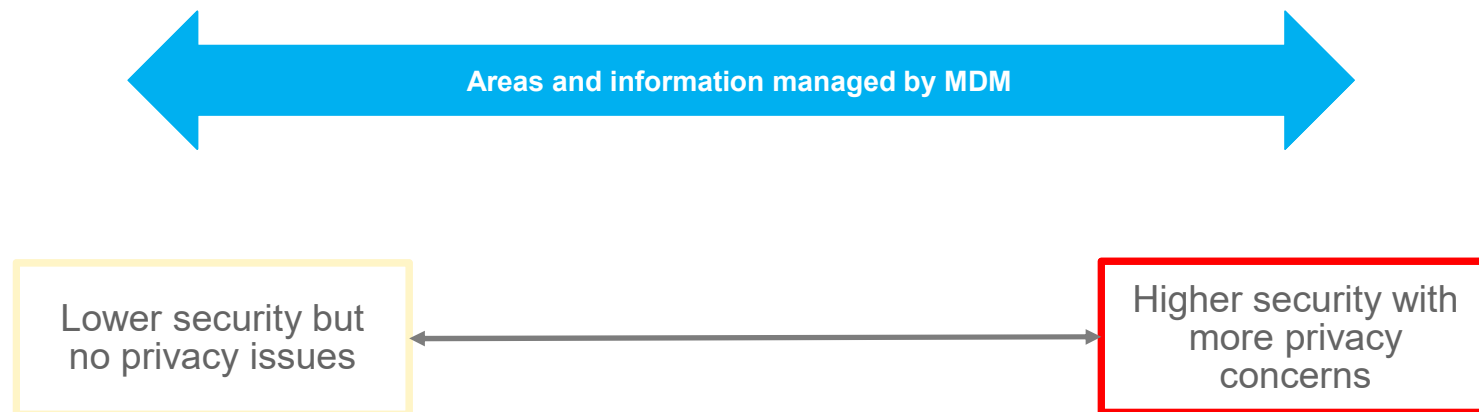
- ▶ Establish a **BYOD Policy** outlining critical security considerations such as:
 - ▶ Onboarding procedures
 - ▶ Type of devices that are sanctioned by the organization
 - ▶ Employees who can leverage BYOD
 - ▶ Data that can be accessed from these devices

- ▶ Use **Mobile Device Management (MDM)** solutions to control and monitor the devices:
 - ▶ Monitor the applications and updates being installed on the device
 - ▶ Deploy update patches
 - ▶ Monitor the usage of devices in the MDM server
 - ▶ Configure security settings on the device
 - ▶ Track the device's location
 - ▶ Remote wipe the device

- ▶ It's very important for the organization to ascertain if personal/sensitive data should be retained in BYOD devices and how its **retention** and **erasure policy** can be applied equally and effectively

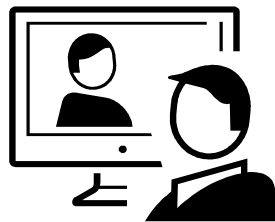
BYOD Security Tips

- ▶ Whilst a certain level of monitoring and control should be maintained over the BYOD devices, **both the organization and the users** should be aware of **what** and **how** the device is being managed



Video Conferencing Security Risks

- ▶ Unauthorized access to private meetings
- ▶ Data transmission that isn't secure
- ▶ Users spreading malicious links or files on the chatroom
- ▶ Hackers potentially uploading video conferencing credentials on the dark web, putting a company's sensitive and business critical information at risk of exposure.
- ▶ Accidental sharing of sensitive footage or information



Video Conferencing Security Tips

- ▶ **Passwords** should be used for proper access control
- ▶ “**Waiting room**” feature should be leveraged such that the host can **admit or remove** attendees attempting to access the video conference
- ▶ Only use video conferencing tools that support **end-to-end encryption**
- ▶ Perform **routine updates** of all video conferencing tools to **patch vulnerabilities**
- ▶ Use **properly licensed** video conferencing tools
- ▶ Pay **extra attention** when you are **sharing** your screen
- ▶ **Mute** the microphone / **turnoff the video** when necessary

Work-From-Home security tips

- ▶ Check if your home's network has been **hijacked** by unauthorized users
 - ▶ Start by checking if there is any unknown wired or wireless devices connected to the network



- ▶ Secure your router – change the **Wi-Fi password** and **network name (SSID)**

Work-From-Home security tips

- Use **MAC address filtering** or other **access control** to define a list of trusted devices and only allow these devices to connect to your Wi-Fi network

NETGEAR genie
Nighthawk R7900P

BASIC | **ADVANCED**

ADVANCED Home
Setup Wizard
WPS Wizard
► Setup
► USB Functions
► NETGEAR Downloader (BETA)
▼ Security
 Parental Controls
 Access Control
 Block Sites
Block Services
Schedule
E-mail
► Administration
► Advanced Setup

Access Control

You can use Access Control to allow or block computers or electronic devices from accessing your network.
☒ Turn on Access Control
Access Rule: This is a general rule. You can also allow or block individual devices.
☐ Allow all new devices to connect
☒ Block all new devices from connecting

Apply ►

Allow	Block	Edit	Status	Device Name
<input type="checkbox"/>			Allowed	
<input type="checkbox"/>			Allowed	
<input type="checkbox"/>			Allowed	
<input type="checkbox"/>			Allowed	
<input type="checkbox"/>			Allowed	
<input type="checkbox"/>			Allowed	
<input type="checkbox"/>			Allowed	
<input type="checkbox"/>			Allowed	
<input type="checkbox"/>			Allowed	
<input checked="" type="checkbox"/>			Allowed	
<input type="checkbox"/>			Allowed	
<input type="checkbox"/>			Allowed	
<input type="checkbox"/>			Allowed	

► View list of allowed devices not currently connected to the network
► View list of blocked devices not currently connected to the network

Source: NETGEAR: <https://kb.netgear.com/23289/How-do-I-configure-Access-Control-or-MAC-Filtering-on-my-NETGEAR-router-using-the-router-web-interface>

Work-From-Home security tips

▶ **Secure your device**

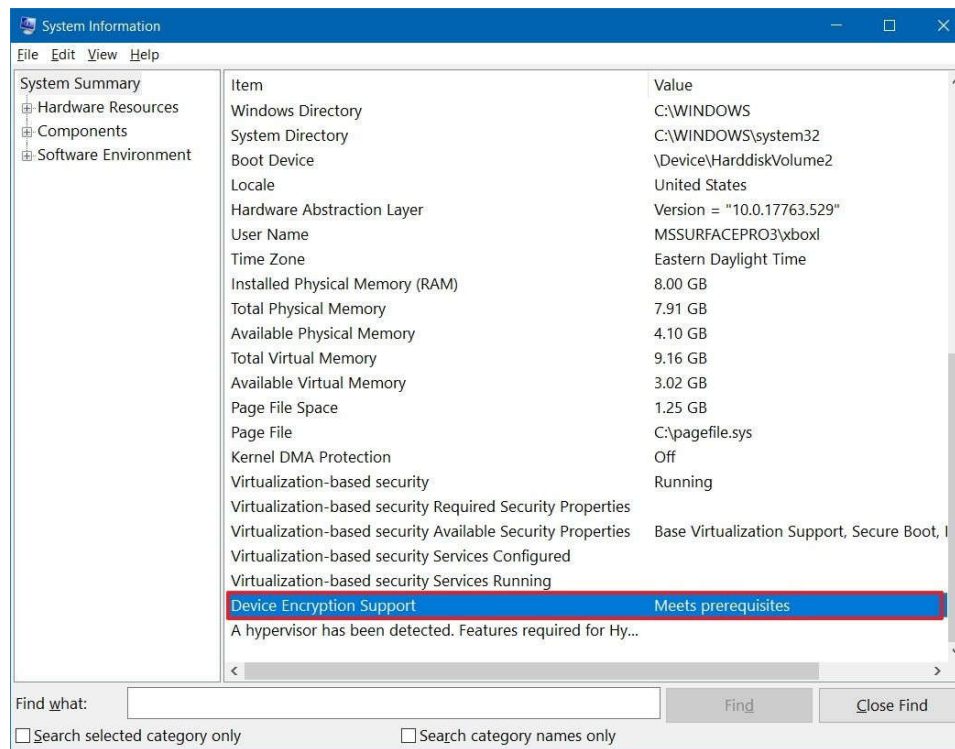
- ▶ **Device encryption** protects your data from unauthorized access in case your device is lost or stolen
- ▶ The entire system drive will be **scrambled** upon the activation of this feature and the data can only be accessed with the correct password



Work-From-Home security tips

- ▶ Check whether your device meets the hardware requirements for device encryption

- Check the item “Device Encryption Support”
- If it displays “Meets prerequisites”, then your Windows devices support file encryption

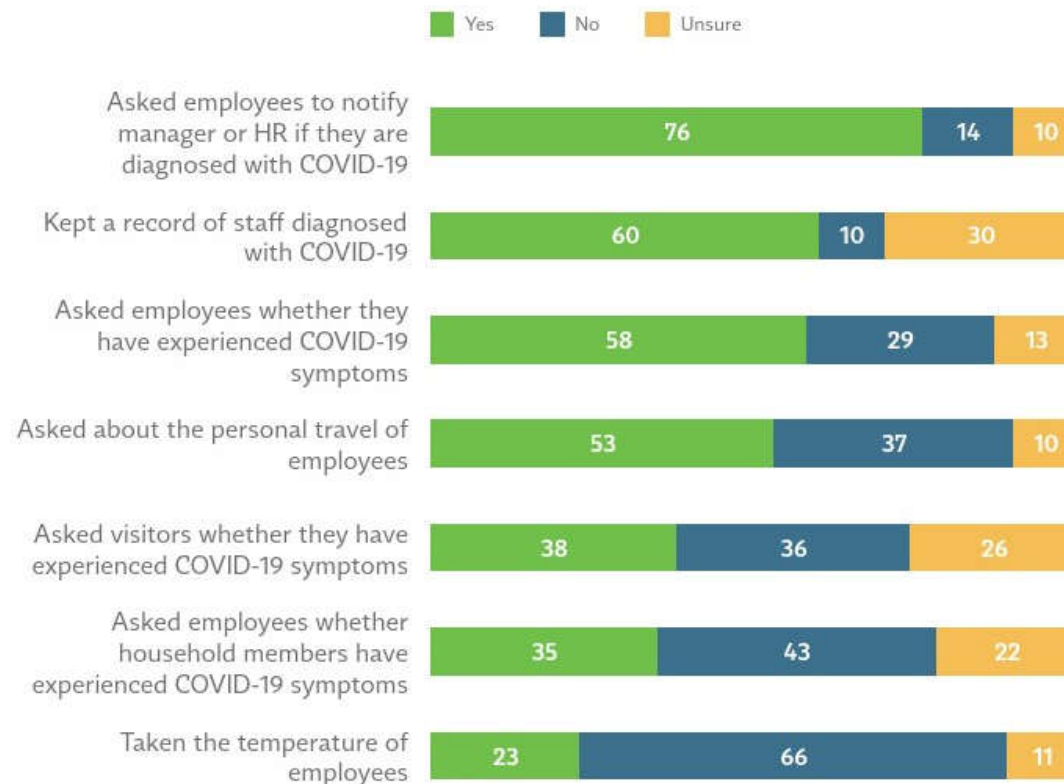


Work-From-Home security tips

- Enable Anti-virus protection on the devices
- Pay attention to the OS End-Of-Life
- Delete and manage cookies
- Disable web browser's automatic password saving
- Disable plug-ins
- Update the web browser regularly
- VPN
- Keep work data on work computers
- Block the sight lines / install privacy filters
- Keep your device close to you
- Don't use random thumb drives

Data Privacy – Employee Health Data

- ▶ Most organizations have collected data from employees about COVID-19 symptoms and kept diagnostic records



Data Privacy – Employee Health Data

- ▶ Organizations would inevitably collect, use, process or retain additional personal data (i.e. health data) to protect the community from serious threats to public health.



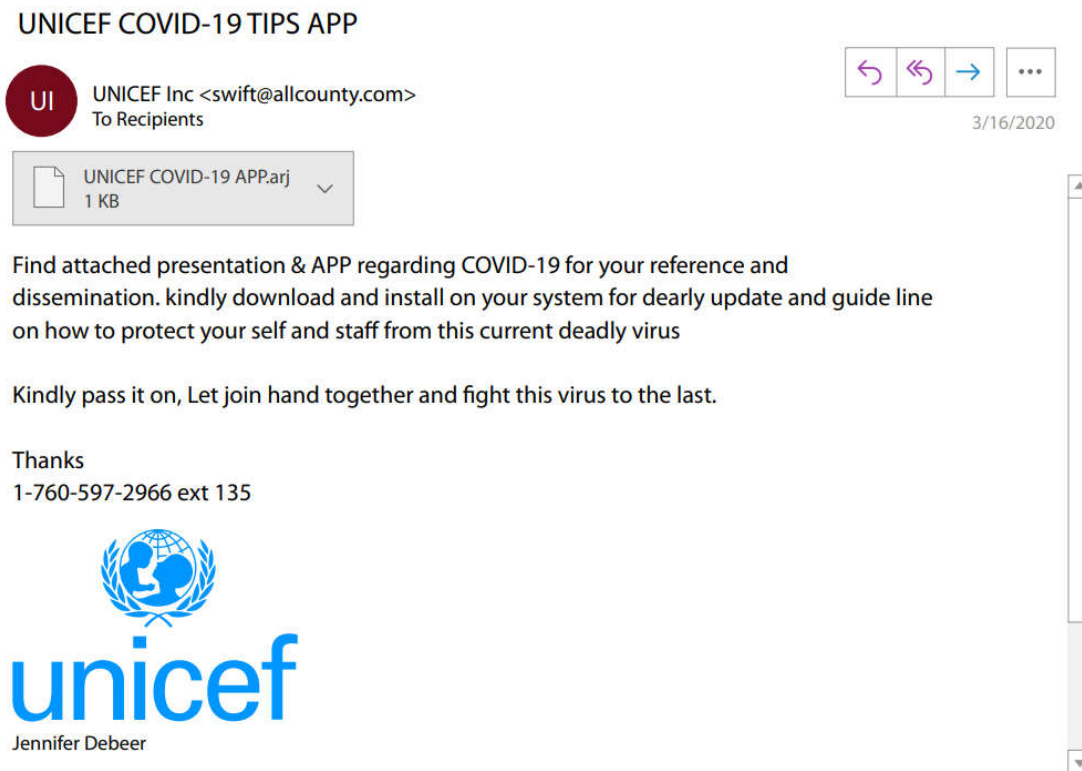
Best Practice

- Avoid asking for/providing excessive medical data
- Pay attention to the purpose of collection and class of person to whom the data may be transferred to
- Conduct privacy and security reviews and data protection impact assessment
- Provide data privacy guideline to relevant personnel

Social Engineering

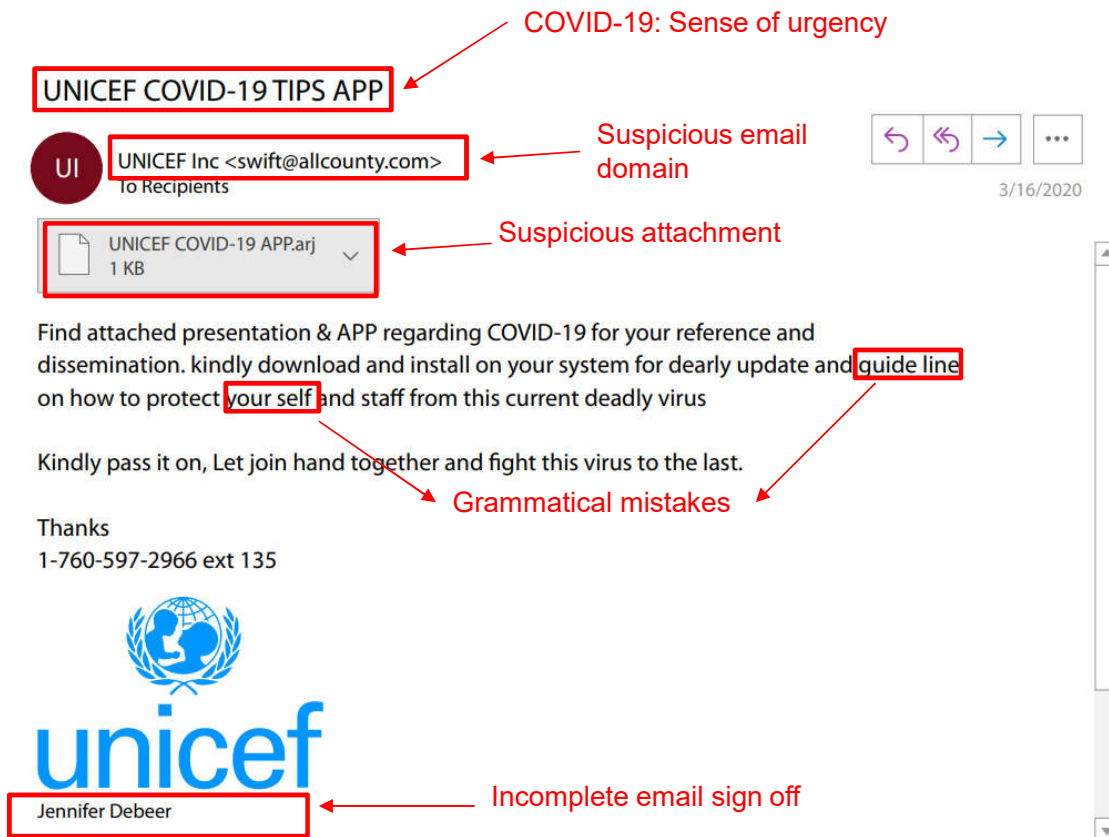
- ▶ Dispersed workforce during WFH → Increased telecommunication → More exposed to phishing attacks
- ▶ Using the fear of COVID-19 as the theme for their malicious activities and spread various malware through phishing emails
- ▶ Malwares provide attackers with access to infected systems:
 - ▶ Remote desktop access
 - ▶ Remote webcam control
 - ▶ Password stealer
 - ▶ Keylogger
 - ▶ Remote shell
 - ▶ Privilege escalation
 - ▶ System manipulation

Social Engineering – phishing email



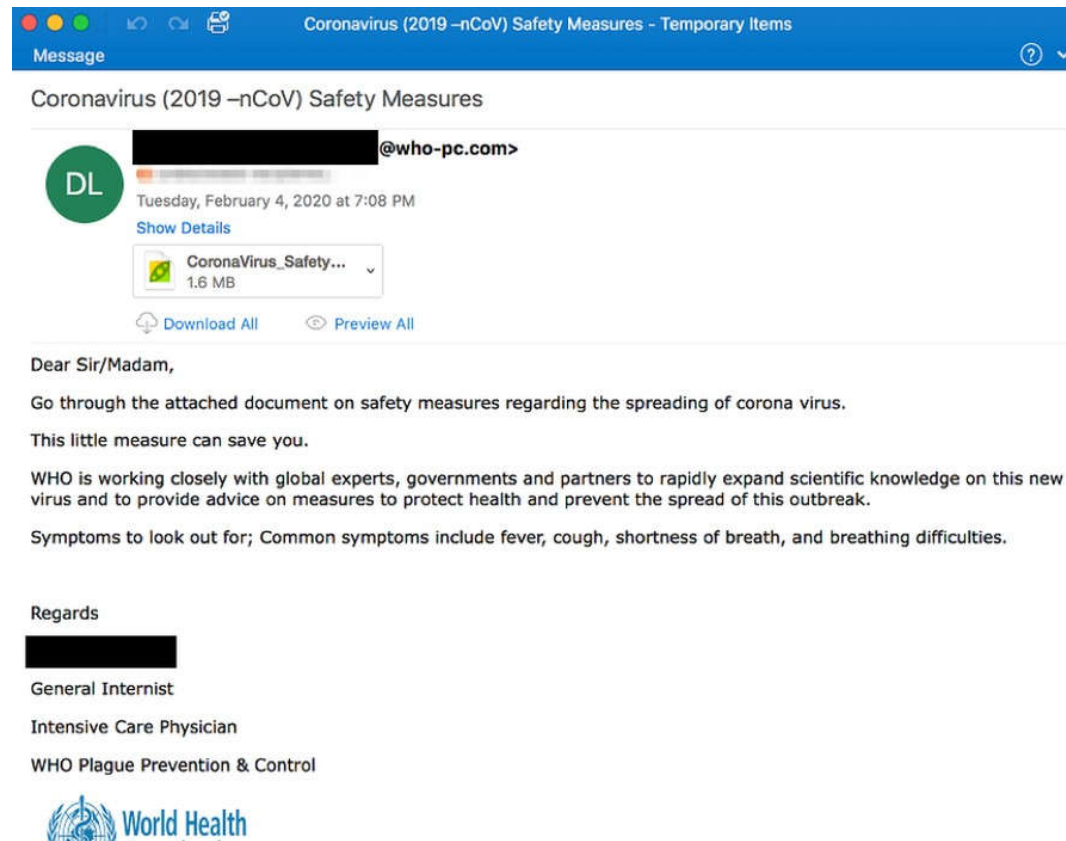
Source: *Enduring from home: COVID-19's impact on business security*, Malwarebytes 2020

Social Engineering – phishing email



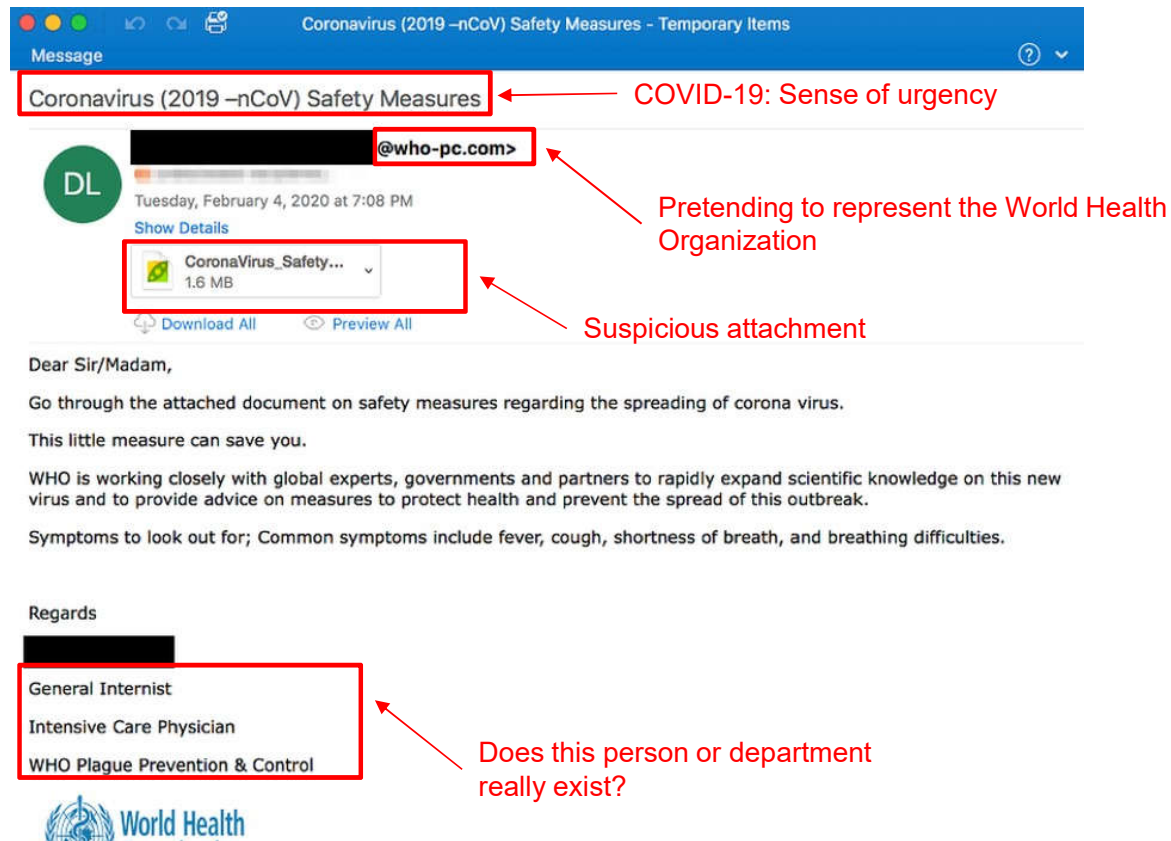
Source: *Enduring from home: COVID-19's impact on business security*, Malwarebytes 2020

Social Engineering – phishing email



Source: <https://www.bbc.com/news/technology-51838468>

Social Engineering – phishing email

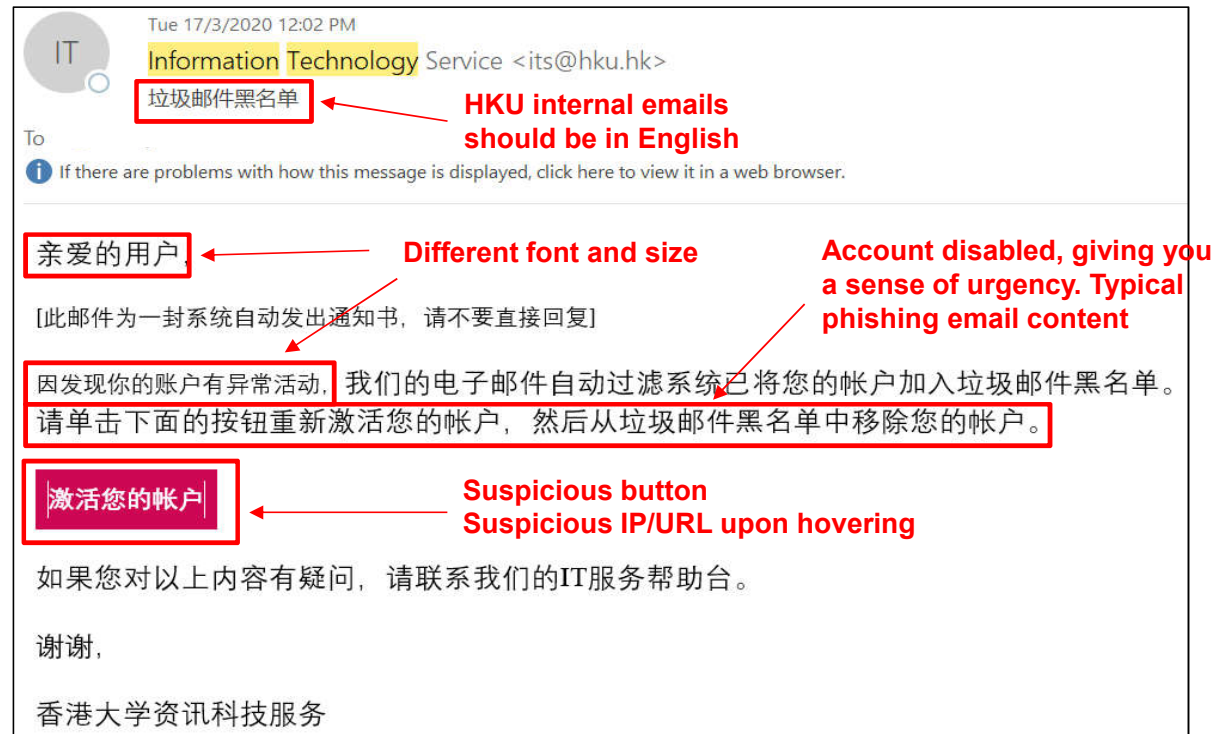


Source: <https://www.bbc.com/news/technology-51838468>

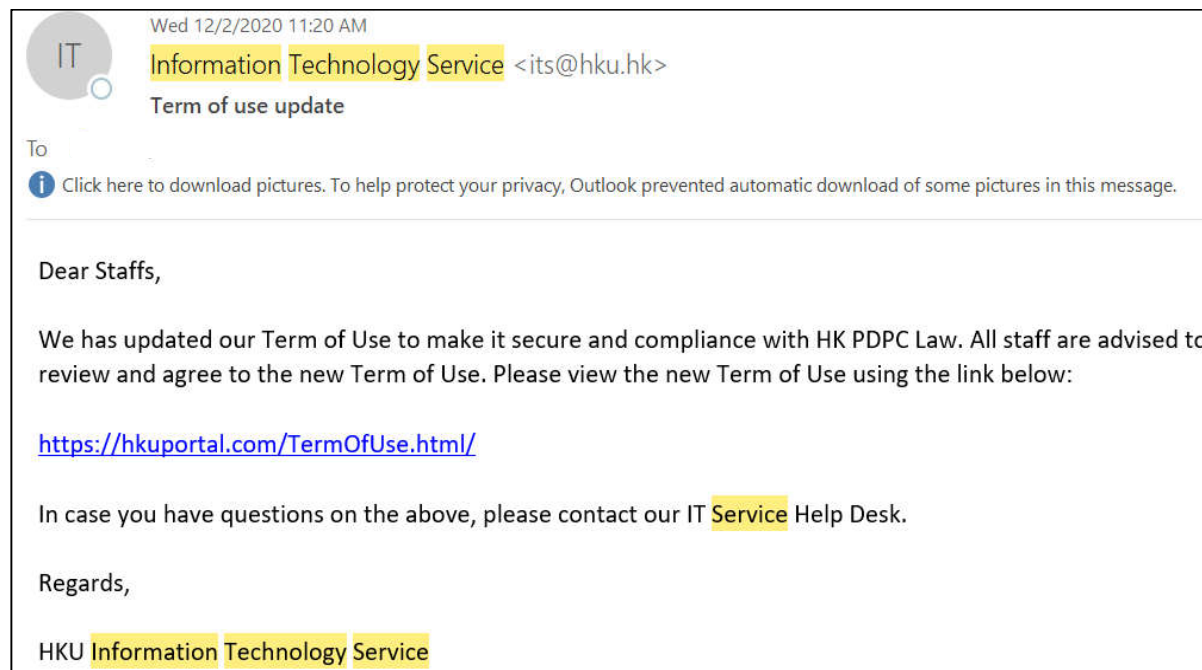
Social Engineering – phishing email



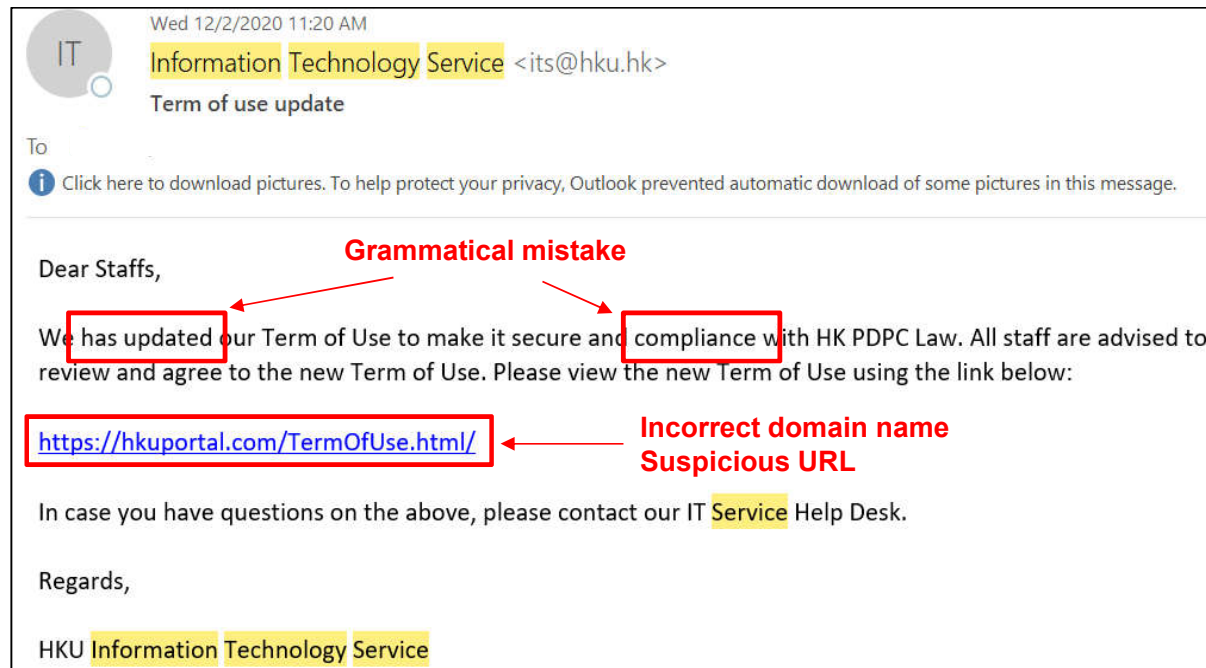
Social Engineering – phishing email



Social Engineering – phishing email



Social Engineering – phishing email



Social Engineering – phishing email

Be Aware . Be Secure



Spelling errors (e.g., “pessward”), lack of punctuation or poor grammar.



Hyperlinked URL differs from the title name displayed, the link is shortened.



Sense of urgency. Phishing emails will usually use a language that demands for immediate actions.



Personally Identifiable Information. Requests for personal information like user credential, financial transactions.



Suspicious attachment. Request to open attachments to check and verify data.



Forged sender identity. The email address domain and email sign off do not match with the claimed identity.



Social Engineering – dumpster diving



SHRED - Any document which is of no use to you, shred them before throwing away into the bin!



DESTROY - If you are getting rid of any electronics (USB drive, old phones, hard disks, make sure you wipe off the data and physically destroy the same before dumping them



Documents from work



Bills – telephone, internet, electricity, chemist, hospital



Financials – insurance premium notice, new policy, credit card statement, offers



Postal address on parcels, couriers etc.

5 Crisis Management

Crisis Management – What to do in case of data breach?

▶ C.A.R.E

- ▶ **C**ontaining the data breach to prevent further compromise of personal data
- ▶ **A**ssessing the data breach by gathering the facts and evaluating the risks, including the harm to affected individuals. Where assessed to be necessary, continuing efforts should be made to prevent further harm even as the organization proceeds to implement full remedial action.
- ▶ **R**eporting the data breach to all affected individuals and the PCPD, if necessary.
- ▶ **E**valuating the organization's response to the data breach incident and consider the actions which can be taken to prevent future data breaches. Remediation efforts may continue to take place at this stage.

Crisis Management - Contain

▶ C.A.R.E

- ▶ An organization should act swiftly as soon as it is aware of a data breach.
- ▶ An assigned individual should activate the response team to reduce the potential impact of the data breach.
- ▶ An initial assessment should be conducted to determine the severity of the data breach.

- ▶ **Cause of the data breach and whether it is still ongoing**
- ▶ **Number of affected individuals**
- ▶ **Types of personal data involved**
- ▶ **The affected systems and services**
- ▶ **Whether external assistance is required to contain the breach**

Crisis Management - Contain

▶ C.A.R.E

- ▶ The assessment allows organizations to decide on the immediate actions to be taken.

- ▶ Isolate the compromised system from the Internet or network
- ▶ Prevent further unauthorized access to the system. Reset passwords and change the access rights to the compromised system, where applicable.
- ▶ Stop the identified practices that led to the data breach
- ▶ Establish whether the lost data can be recovered and steps that can be taken to minimize any harm or impact caused by the data breach

- ▶ Evidence of the data breach and post-breach response should be kept and recorded in an Incident Log respectively to facilitate follow-up investigations.

Crisis Management - Assess

▶ C.A.R.E

- ▶ Upon the containment of the data breach, an in-depth assessment should be conducted to identify and limit the impact and damage.
 - ▶ Context of the data breach
 - ▶ Ease of identifying individuals from the compromised data
 - ▶ Circumstances of the data breach
- ▶ The in-depth assessment should allow organizations to conclude whether the data breach is likely to result in significant impact to the affected individuals.
- ▶ Organizations can take steps to reduce any potential harm to the affected individuals.

Crisis Management - Report

▶ C.A.R.E

- ▶ Organizations should have in place appropriate processes to notify the affected individuals and the PCPD, if necessary.

- ▶ **Who** needs to be notified?
- ▶ **How** should the affected individuals be notified?
- ▶ **What** details should be included in the notification?
- ▶ **When** should the notification be done?

- ▶ If a data user decides to report a data breach to the Privacy Commissioner, the data user may complete a Data Breach Notification Form and submit the completed form online, by fax, in person or by post.

Crisis Management - Evaluate

▶ C.A.R.E

- ▶ The organization should review and learn from the data breach incident to improve its personal data handling practices and prevent the reoccurrence of similar incidents.

- ▶ Data breach management plan and response
- ▶ Existing measures and processes
- ▶ Roles of external parties

- ▶ Regular trainings should be provided to all employees so as to raise their overall security awareness.

Five Guiding Principles

Protect what matters most

Manage cybersecurity risk at the right level

Provide the right access at the right time

Recover quickly and securely

Practice proactive cybersecurity



The System & Practices of HKU

The System & Practices of HKU

- ▶ Information Security and Data Management Policy: <https://isd.hku.hk/>
- ▶ The Privacy Policy Statement: http://www.hku.hk/privacy_policy/
- ▶ Code of Practice (revised version 2019): https://intra.hku.hk/reserved_1/gsabc/pdpo_cop.pdf (portable storage devices, incident handling / reporting and other guidelines)



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The System & Practices of HKU

- ▶ Data Collection Statement
- ▶ Statutory Data Access / Correction Request Process
- ▶ Central Compliance Team (compliance/monitoring)
- ▶ University Data Protection Officer and Personal Data Protection Coordinators
- ▶ Information Technology Services (advice / security measures / guidelines / training information):
<https://www.its.hku.hk/services/training/infosec/personal-data-protection>



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The Public Expectation

Awareness and Education

GOOD PRACTICE



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