	DATA SECURITY ANNUAL EMPLOYEE TRAINING	
	NEW YORK STATE Methods records records	
1		
	REVIEW	
	WHAT IS PERSONALLY IDENTIFIABLE INFORMATION?	
2	NEW YORK STATE	
	Personally Identifiable Information (PII) Personally Identifiable Information can be any information about an individual that can be used on its own or with other information to uniquely identify, contact, or locate them As an MEP employee or contractor, you are	
3	responsible for protecting any data that you have collected	

Examples of PII



Combining pieces of PII data could result in a set of information that is uniquely identifiable

Migrant Student Data

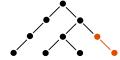
- Migrant student information collected through the Certificate of Eligibility (COE) includes Sensitive PII
- Academic records associated with a migrant student are considered Sensitive PII



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Principle of Least Privilege

This is the principle of granting the least amount of access necessary to perform one's job duties. Following the Principle of Least Privilege better safeguards the system data against possible compromise. In New York, student data is only granted to the employees who work with those students



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Family Educational Rights and Privacy Act (FERPA)	
(I ENTY)	
 Passed in 1974 Allows students to request their own records from schools 	
Protects the disclosure of student PII and educational records without consent Exempts certain institutions from release consent requirements	
FEDDA Eveentions	
FERPA Exceptions	
 School officials with legitimate educational interest Other schools to which a student is transferring 	
 Specified officials for audit or evaluation purposes Appropriate parties in connection with financial aid to a student 	
 Organizations conducting certain studies for, or on behalf of, the school 	
Source: https://wwwz.ed.gov/policy/gen/guid/fpco/ferpa/index.html	
FERPA Exceptions (continued)	
Accrediting organizations	
To comply with a judicial order or lawfully issued subpoena Appropriate officials in cases of health and safety emergencies	
State and local authorities within a juvenile justice system pursuant to specific state law	
Source: https://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html	

Parent's Bill of Rights

- NYSED has required a "parent's bill of rights" to explain what privileges parents have to access their children's data.
- This bill of rights is posted on nysmigrant.org/billofrights

- The rights can be summarized as:
 Parent's have the right to review their child's education record
 An educational agency must verify the identity of the requesting parent
 These requests must go directly to the educational agency, and not to a third party
 An educational agency must inform the parent of this right annually
 The educational agency must fulfill this request within 45 days
 The records may be sent electronically if the parent requests, as long as they follow proper security requirements

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USERS | DEVICES | INTERNET

NEW YORK STATE

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The Three "C"s of Security



Secure Conduct
Thinking secure when interacting
with student data





Secure Communications
Utilizing secure methods to connect
and send data over the internet

Conduct: Thinking Secure

- Ensure only FERPA authorized parties have access to protected information
- Ensure NYS Migrant Education information is not released without consent



- Request to use two-factor authentication whenever it is available
- Never share your account passwords or passphrases with anyone else. Users are responsible for all actions taken with their credentials
- Instead of a password, consider using a passphrase
 Passphrases use combinations of words that are easy to remember, but difficult for a computer to guess

(NACOPPON (NACON PON) (NACOPPON PON) (N	~28 B/TS OF ENTROPY	WAS IT TROPIBONE? NO. TREVENDED AND ONE OF THE CO WIRS A ZERO? AND THERE WAS SOME SHIROU DIFFICULTY TO REMEMBER: HARD	
Correct horse battery staple	~4H BITS OF ENTROPY acceptaged and acceptaged acceptage	THAT'S A SHITLERY SHIPLERY SHIPLERY SHIPLERY SHIPLERY TO REMEMBER: YOU'VE AURIONY MEMORIZED IT	
THROUGH 20 YEARS OF BYOKT, WE'VE SUCCESSFULLY TRANSED EVERYONE TO USE PRISONORDS THAT ARE HARD FOR HUMANS TO REMEMBER, BUT EARLY FOR COMPUTERS TO GIVESS.			

Credit: xkcd

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Please give me coffee?

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(i) True Key

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Conduct:	Thinking	Secure
----------	----------	--------

- Be aware of phishing scams
- Phishing scam emails attempt to trick you into giving up your password or other private information
- Phishing scam emails often try to create a sense of urgency, and inform you that you must act quickly otherwise something bad will happen to you

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- Be aware of social engineering scams

 Social engineering phone calls often come unprompted from an individual claiming to represent a large organization, such as Microsoft, who are calling with regards to an issue they have found on your computer
- They will often attempt to direct you to websites that request your credit card number, account information, or access to your computer
- Stop. Think. Ask the representative very simple questions that they would know if they worked for your organization. If they cannot answer, hang up

Computers: Device Security

- All devices containing PII should use full disk encryption Bitlocker for Windows and for USB drives containing PII
- FileVault for MacOS
- All devices used for work should have antivirus installed
- Do not leave devices out in a place where they may be stolen, such as an unattended car seat. Instead, store them somewhere out of sight.
- Work documents should be securely backed up on a network drive or a cloud platform so they can be restored if destroyed

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Computers: Device Security



Devices with Smart Assistants such as Siri, Alexa, or the Google Assistant, are configured to constantly listen for commands. It is best practice to use the "mute" feature on any of these devices while at work, particularly when any Personally Identifiable Information is being discussed.



Communications: Internet Security

- When connecting to public WiFi network, use a VPN if available or a mobile hotspot instead
- PII must never be placed in the body of an email; instead, it must be sent as an encrypted attachment if no better alternative to email is possible
- The password for an encrypted attachment must be sent through a different form of communication (separation of mediums)
- Previously known password



Communications: Internet Security

- Common file encryption programs include: Microsoft Office: Encrypt Office files

- Adobe Acrobat Pro: Encrypt PDF files
 zip: Compress & encrypt files
 NAPS2: Scan documents directly to an encrypted PDF file

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Communications: Internet Security

- Do not use a personal email account (gmail.com, yahoo.com, etc) for work
- Consider using **plus addressing** when creating accounts or signing up for mailing lists
- Plus addressing adds a unique string of text after a plus sign in your email address
- This creates a unique email address for all your accounts that can be used to spot and contain a data breach
- email+string@example.com

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"Can I just send the password in a second email?"



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?	Communications:	Internet	Security

- Discuss: what if I do not have another way to contact the individual?
- Include a confidentiality notice at the bottom of emails containing such attachments or information

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Confidentiality Notice

"This electronic message is intended to be for the use only of the named recipient, and may contain information from the [organization] that is confidential or privileged, or protected FERPA. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or use of the contents of this message is strictly prohibited. If you have received this message is rerror or are not the named recipient, please notify us immediately, either by contacting the sender at the electronic mail address noted above or calling the [organization] at [phone number], and delete and destroy all copies of this message. Thank you"

BREACH OF DATA

RISKS | CAUSES | REPORTING



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Risks of improper handling

- Risks to Migrant Children and Families

 Identity theft, financial loss, and/or credit damage

 Emotional distress

 Loss of confidence in the government

- Risks to *MEP Employees* Disciplinary action resulting in: loss of dearance, loss of access to PII, or loss of

- Risks to the MEP
 Diminished reputation
 Costs of mitigation and/or litigation
 Impact on agency processes
 Loss of the public trust

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Causes

- Theft of device

 \bullet Can be a simple mistake, such as sending an email with PII to the wrong recipient • Can be the result of a compromised account or device • Lack of encryption • Many more $\bullet \ \mathsf{Better} \ \mathsf{safe} \ \mathsf{than} \ \mathsf{sorry-} \ \mathsf{report} \ \mathsf{any} \ \mathsf{warning} \ \mathsf{signs}$

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- Step 1: Contain the breach
- Step 2: Contact immediate supervisor
- Step 3: Contact the ID&R / MIS2000 Director
- Step 4: Document the breach
- On many occasions, the ID&R / MIS2000 Director might request that you
 participate in a detailed evaluation of the events leading to the breach for
 official records, prevention, and other uses



MICROSOFT OFFICE | 7-ZIP

NEW YORK STATE

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Microsoft Office

Add a password to any Office file with this built-in encryption utility











7-Zip
Encrypt any file, not just .PDFs!



Online Guide
All encryption steps can be found online for future reference at www.nysmigrant.org/encryption



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What can you do right now?

- Turn on multifactor authentication for all your accounts
- Start using a passphrase for your next account
- Find a password manager that is right for you
- See if a VPN is available to you through your organization

QUESTIONS?	
THANK YOU FOR ATTENDING!	
NEW YORK STATE	