July Health Care Provider Cybersecurity Call

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MeHI
MASSACHUSETTS
eHEALTH INSTITUTE
at the MassTech
Collaborative

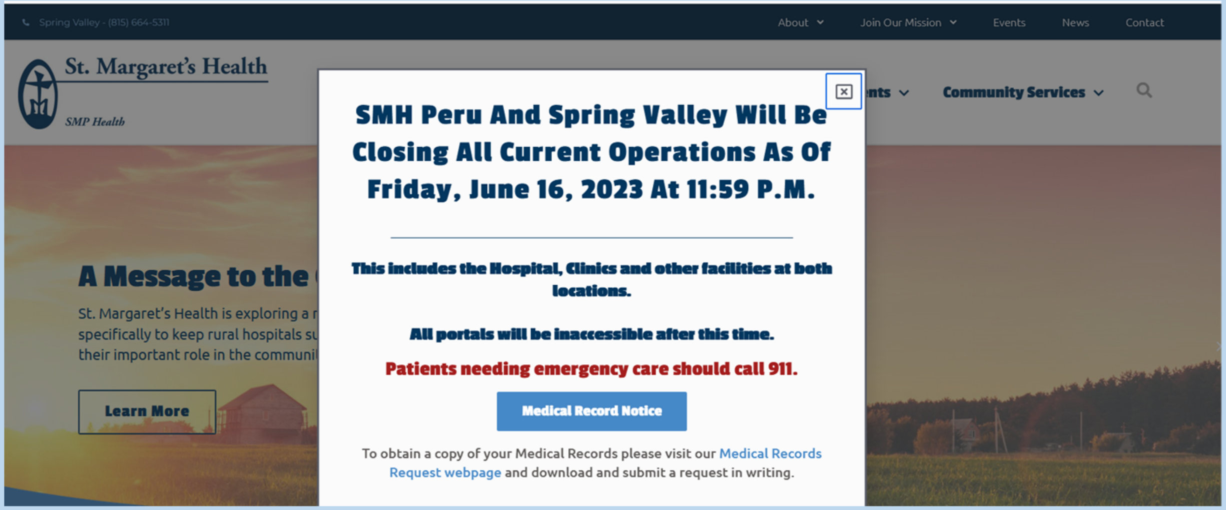
MassCyberCenter
at MassTech

Agenda

- Ransomware Attack Blamed for Hospital Failure in Illinois
- EU USB attack from China
- HCA Data Breach
- Ransomware Defense
- Post Attack

Ransomware Attack in Illinois

- “You’re dead in the water,” Linda Burt, vice president of quality and community service at St. Margaret’s Health, told NBC. “We were down a minimum of 14 weeks. And then you’re trying to recover. Nothing went out. No claims. Nothing got entered. So it took months and months and months."



SMH Peru And Spring Valley Will Be Closing All Current Operations As Of Friday, June 16, 2023 At 11:59 P.M.

This includes the Hospital, Clinics and other facilities at both locations.

All portals will be inaccessible after this time.

Patients needing emergency care should call 911.

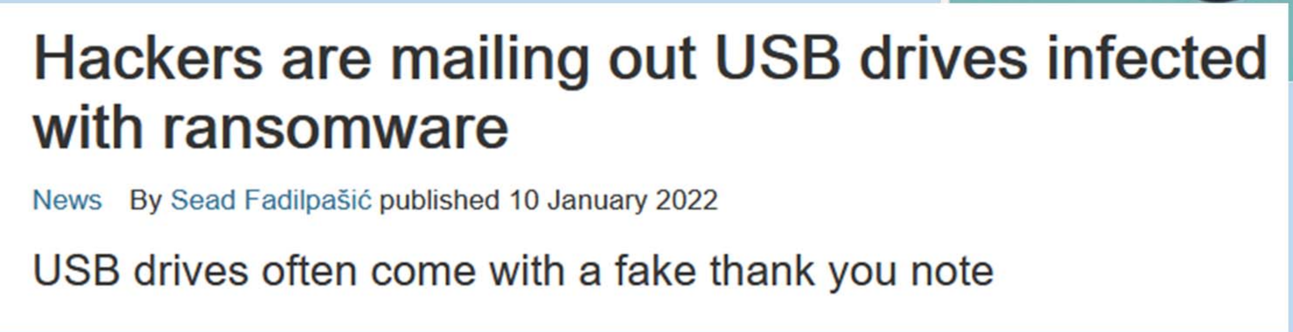
To obtain a copy of your Medical Records please visit our Medical Records Request webpage and download and submit a request in writing.

A Message to the

St. Margaret’s Health is exploring a r
specifically to keep rural hospitals su
their important role in the communi

https://www.fiercehealthcare.com/health-tech/rural-illinois-hospital-says-shutdown-partially-caused-2021-ransomware-attack

Around the world with Malware

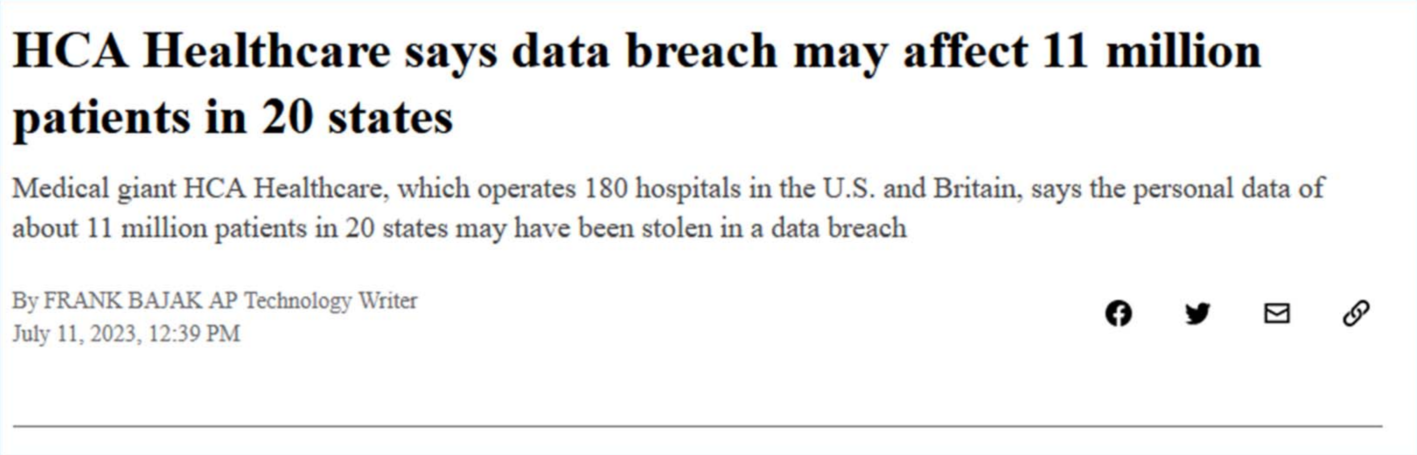


Hackers are mailing out USB drives infected with ransomware

News By Sead Fadilpašić published 10 January 2022

USB drives often come with a fake thank you note

HCA Data Breach



HCA Healthcare says data breach may affect 11 million patients in 20 states

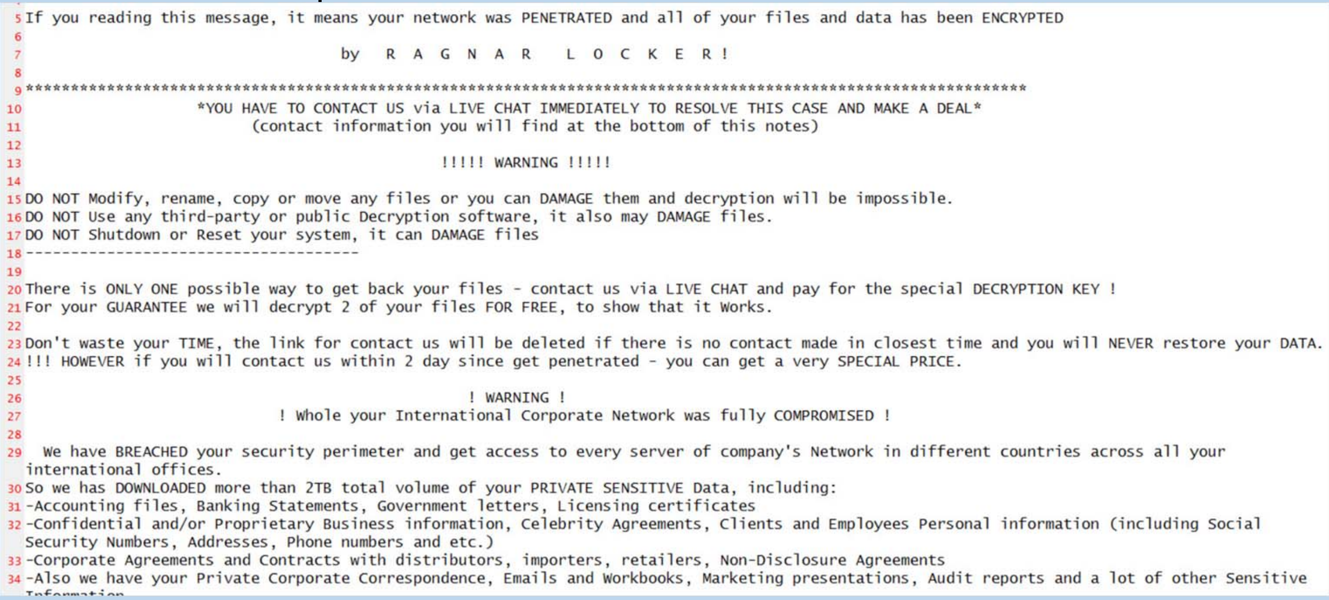
Medical giant HCA Healthcare, which operates 180 hospitals in the U.S. and Britain, says the personal data of about 11 million patients in 20 states may have been stolen in a data breach

By FRANK BAJAK AP Technology Writer
July 11, 2023, 12:39 PM

Ransomware Defense

People

- Cybersecurity training and SLAM phishing (Sender, Links, Attachments, Message)
- Implement Least Privilege, Role Based Access Control, and Limit Admin accounts to those who really need them
- Utilize password managers and complex passwords or passphrases. Don’t re-use or share passwords. Don’t share accounts
- Create, maintain, and regularly exercise a basic cyber incident response plan (IRP) and associated communications plan that includes response and notification procedures



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If you reading this message, it means your network was PENETRATED and all of your files and data has been ENCRYPTED

                               by   R A G N A R   L O C K E R !

**************************************************************************************************************
                  *YOU HAVE TO CONTACT US via LIVE CHAT IMMEDIATELY TO RESOLVE THIS CASE AND MAKE A DEAL*
                        (contact information you will find at the bottom of this notes)

                                     !!!!! WARNING !!!!!

DO NOT Modify, rename, copy or move any files or you can DAMAGE them and decryption will be impossible.
DO NOT Use any third-party or public Decryption software, it also may DAMAGE files.
DO NOT Shutdown or Reset your system, it can DAMAGE files
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There is ONLY ONE possible way to get back your files - contact us via LIVE CHAT and pay for the special DECRYPTION KEY !
For your GUARANTEE we will decrypt 2 of your files FOR FREE, to show that it works.

Don't waste your TIME, the link for contact us will be deleted if there is no contact made in closest time and you will NEVER restore your DATA.
!!! HOWEVER if you will contact us within 2 day since get penetrated - you can get a very SPECIAL PRICE.

                                        ! WARNING !
                           ! Whole your International Corporate Network was fully COMPROMISED !

  We have BREACHED your security perimeter and get access to every server of company's Network in different countries across all your
international offices.
So we has DOWNLOADED more than 2TB total volume of your PRIVATE SENSITIVE Data, including:
-Accounting files, Banking Statements, Government letters, Licensing certificates
-Confidential and/or Proprietary Business information, Celebrity Agreements, Clients and Employees Personal information (including Social
Security Numbers, Addresses, Phone numbers and etc.)
-Corporate Agreements and Contracts with distributors, importers, retailers, Non-Disclosure Agreements
-Also we have your Private Corporate Correspondence, Emails and Workbooks, Marketing presentations, Audit reports and a lot of other Sensitive
Information
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Source: CISA Stop Ransomware

Ransomware Defense (Con't)

Process

- Regularly patch and update software and operating systems
- Maintain offline, encrypted backups of critical data
- Employ logical or physical means of network segmentation
- Retain and adequately secure logs from network devices, local hosts, and cloud services
- Conduct regular vulnerability scanning to identify and address vulnerabilities
- Implement monitoring and enable security settings in association with cloud environments
- Implement third party vendor risk management policies

Savage Chickens
by Doug Savage
I NEED TO TALK TO YOU ABOUT PROCESS IMPROVEMENT
OK. JUST FILL OUT THIS "IMPROMPTU CONVERSATION PROPOSAL" FORM
©2007 BY DOUG SAVAGE
www.savagechickens.com

Ransomware Defense (Con't)

Technology

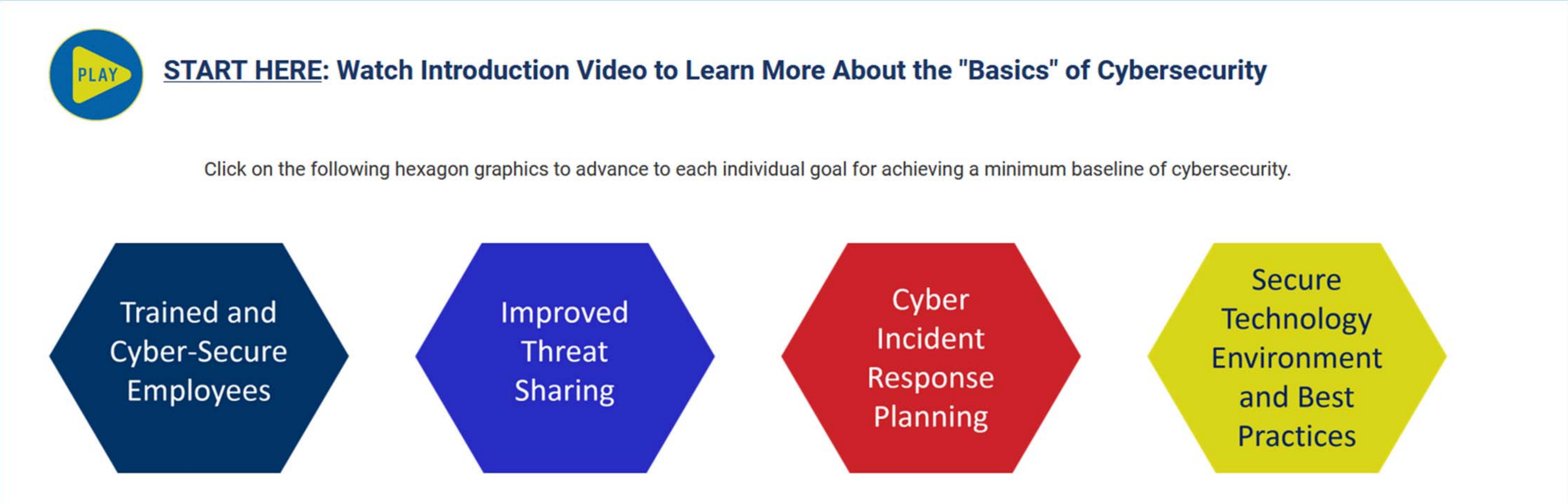
- Disable ports and protocols that are not being used for business purposes. Limit remote desktop where possible
- Secure domain controllers (DCs) and ensure that all virtual machines and associated IT infrastructure, including network and storage components, are updated and hardened
- Restrict usage of PowerShell to specific users on a case-by-case basis by using Group Policy or software
- Establish a security baseline of normal network traffic and tune network appliances to detect anomalous behavior.

Post Attack Steps

- IT Depends - be flexible and build your incident response plan to adapt to different problems
- Determine and immediately isolate impacted systems
- Consider powering down devices and/or firewalls (be careful: do this only if your responders are not remote)
- Triage impacted systems for restoration and recovery
- Examine existing organizational detection or prevention systems
  - (e.g., antivirus, Intrusion Prevention System) and logs
- Contact your cyber insurance company when appropriate

Photo by Anna Shvets
from Pexels: https://www.pexels.com/photo/medical-equipment-on-an-operation-room-3844581/

Source: CISA Stop Ransomware



START HERE: Watch Introduction Video to Learn More About the "Basics" of Cybersecurity

Click on the following hexagon graphics to advance to each individual goal for achieving a minimum baseline of cybersecurity.

Trained and Cyber-Secure Employees

Improved Threat Sharing

Cyber Incident Response Planning

Secure Technology Environment and Best Practices

https://masscybercenter.org/cyber-resilient-massachusetts/minimum-baseline-cybersecurity-municipalities

Questions?