



HIPAA PASS Privacy and Security Solutions

**HIPAA Series: Cyber Security Skills Shortage:
Feeling Overwhelmed?
Prerecorded July 2022**



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Abbreviations and Acronyms

- BA: Business Associate
- BAA: Business Associate Agreement
- CE: Covered Entity
- CEHRT: Certified Electronic Health Record Technology
- CMS: Centers for Medicare & Medicaid Services
- EHR: Electronic Health Record
- EDR: Endpoint Detection and Response
- ePHI: Electronic Protected Health Information
- HIPAA: Health Insurance Portability and Accountability Act
- HIT: Health Information Technology
- MDR: Managed Detection & Response
- MSP: Managed Service Provider
- NIST: National Institute of Standards and Technology
- OCR: Office for Civil Rights
- PCI DSS: Payment Card Industry Data Security Standards
- PHI: Protected Health Information
- SLA: Service Level Agreement
- SRA: Security Risk Analysis

Learning Objectives



COVID-19 and Remote Workforce



Reinventing the Way We Work—
Distributed, Secure, Flexible



Security Reminders

COVID-19 Brought Change



COVID-19 and the recent transformation in the way people work is having impact on security.

This is coupled with health care cybersecurity **workforce shortages**, no matter where you are located.



The surge in remote working and use of cloud service has **increased potential exposure**.

This includes both technical vulnerabilities and nontechnical threat vectors.

Remote Access Overload



Staff pushed beyond limits during COVID-19

Remote Workforce



Health care IT departments are facing a great, once-in-a-lifetime challenge.

Almost overnight, routine operations and services have become radically changed — possibly forever.

Home Network Vulnerabilities

Risk factors for employees using existing WiFi to access corporate networks and to retrieve and save sensitive information include:

- ❑ Routers with outdated software and factory password that remain unchanged
- ❑ Internet of things (IoT) devices left on public default settings
- ❑ Lack of employee training regarding cybersecurity best practices

Workforce Shortage

Challenges hiring and retaining cybersecurity talent.



Skill set may not be understood by leadership.

Health center may not have budget to support.



Limited security career path.



Addressing the Gap

- Not having the proper talent can result in moving to the cloud without knowing the learning curve and incur more risk.
- Expanded education attracts top talent.
- Save resources by embracing automated solutions.
- Solid cyber security policies and practices are always essential.

Dispersed Workforce Challenges

We will discuss tools and practices to:



Stay on top of routine network operations



Monitor performance



Resolve issues while keeping current and planned projects moving forward

No Big Easy Button

Software-Defined Networking in Wide Area Network (SD-WAN)

Designed to fully support tools and applications hosted in on-premises data centers or in public or private clouds

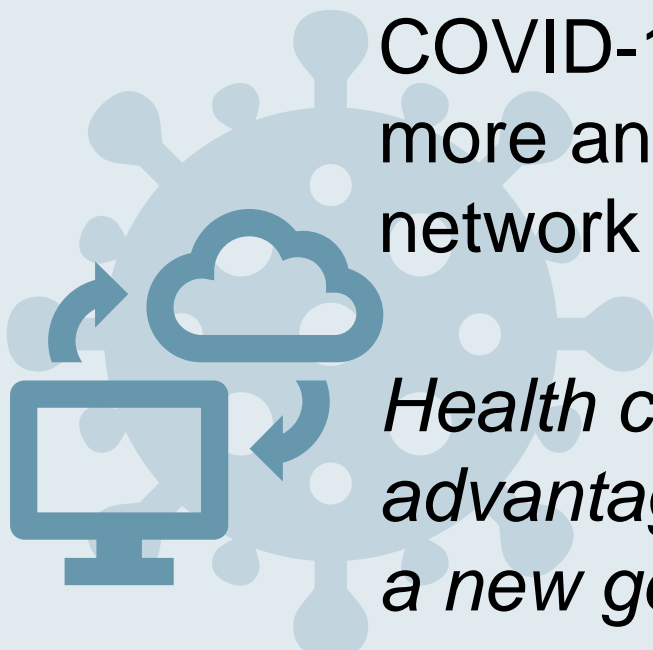
Secure Access Service Edge (SASE)

- Alternative to traditional SD-WAN technology
- Offers more benefits



Important: Understand your network needs.

Embracing Automation



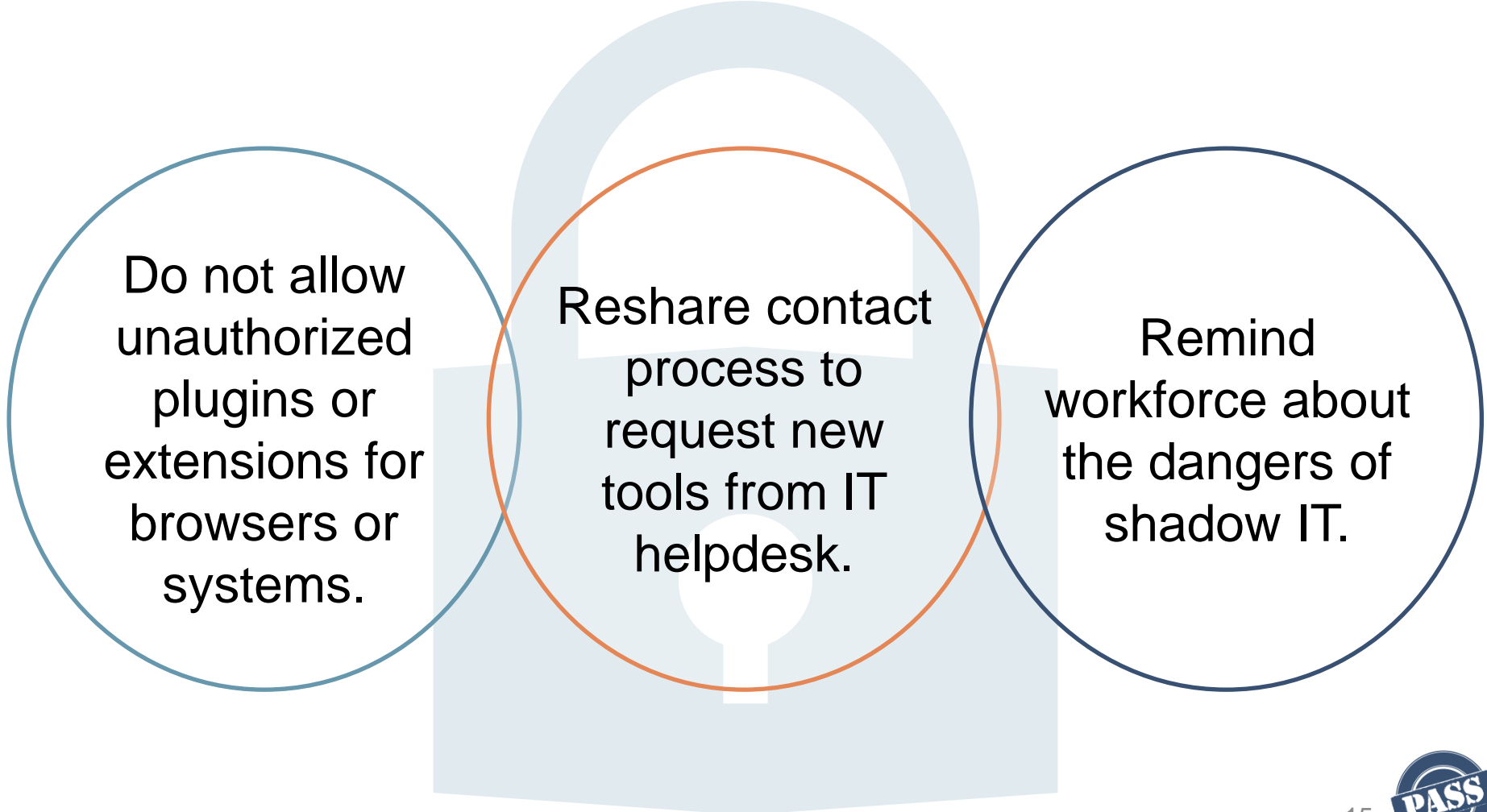
COVID-19 exposed the need for more and enhanced autonomous network operations.

Health care IT should consider taking advantage of capabilities provided by a new generation of network automation tools and train staff on key technologies.

Shadow IT

- 1 Need for a tool not currently provided
- 2 Desire to improve ease and efficiency of work
- 3 Perceived need to circumvent existing security protocols to complete work tasks

Security Reminders



Do not allow unauthorized plugins or extensions for browsers or systems.

Reshare contact process to request new tools from IT helpdesk.

Remind workforce about the dangers of shadow IT.

Be Progressive

*What might make
your work product
better?*

*What might make
your work product
faster?*

*What might make
your work product
stronger?*

Employee surveys help adapt approved corporate technology stacks and avoids unwelcomed surprises.

Thank you for your valuable time today!



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