

EDUCATION AND TRAINING

CyberSecPro Training

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Next level cybersecurity education and training

 Funded by the European Union

Critical Infrastructure and Security for Health

CSP008

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Healthcare Domain

Best Practices Pt.1

- **Data Encryption:** Encrypt sensitive data both in transit and at rest to prevent unauthorized access, especially patient health records and medical imaging data.
- **Access Control:** Implement role-based access control (RBAC) to limit access to patient data and healthcare systems based on users' roles and responsibilities.
- **Patch Management:** Keep systems and software up-to-date with the latest security patches to address vulnerabilities and protect against known threats.
- **Network Segmentation:** Segment networks to isolate sensitive healthcare systems and data from other parts of the network, reducing the risk of lateral movement by attackers.
- **Strong Authentication:** Implement multi-factor authentication (MFA) for accessing sensitive systems and data to add an extra layer of security beyond passwords.

Healthcare Domain

Best Practices Pt.2

- **Incident Response Plan:** Develop and regularly test an incident response plan to ensure a timely and effective response to security incidents, including data breaches and ransomware attacks.
- **Regular Audits and Assessments:** Conduct regular security audits and risk assessments to identify vulnerabilities and gaps in security controls, and take corrective actions accordingly.
- **Data Backup and Disaster Recovery:** Maintain regular backups of critical data and establish robust disaster recovery procedures to ensure data availability and minimize downtime in the event of a security incident.
- **Vendor Risk Management:** Assess and monitor the security posture of third-party vendors and service providers who have access to healthcare data or systems.
- **Physical Security:** Implement physical security measures to protect healthcare facilities, servers, and other infrastructure from unauthorized access or tampering.

Thank you

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