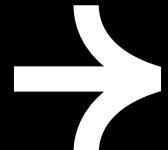


BUSINESS IMPACT ANALYSIS (BIA)

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SCENARIO

Incident Overview:

Healthcare Facility: BrightCare Hospital

Situation: A ransomware attack locks patient records and disrupts appointment systems. Vital systems like patient monitoring devices remain operational but are not accessible remotely.

Task: Perform a BIA to determine the critical functions, the impact of downtime, and the recovery priorities.



01

OBJECTIVES

- Protect patient data from unauthorized access or loss.
- Ensure compliance with healthcare regulations (HIPAA).
- Prevent disruption of life-saving and critical activities.
- Prioritize restoration of essential services during incidents.
- Maintain operational resilience to prevent loss of life and trust.



02

POTENTIAL IMPACTS

- Loss of life due to critical system downtime.
- Permanent loss or unauthorized access to patient data and medical records.
- Disruption of emergency medical activities.
- Damage to the hospital's reputation and patient trust.
- Financial loss due to legal penalties and operational delays.



03

CRITICAL FUNCTIONS

- Emergency care and patient treatment processes.
- Patient data and record management systems.
- Critical infrastructure, including medical devices and emergency response systems.
- Staff communication and coordination tools.
- Hospital reputation and patient trust.



04

RECOVERY TIME OBJECTIVE (RTO)

- Tier 1: Emergency care systems and critical patient data must be restored within seconds.
- Tier 2: Supporting systems such as staff communication and scheduling restored within 1 hour.
- Tier 3: Non-critical systems restored within 24 hours.



05

SUMMARY OF ANALYSIS

- **Critical Assets Identified**

1. Emergency Response Systems
2. Patient Data Storage
3. Backup Systems
4. Communication tools

- **Potential Threats**

1. Ransomware attacks
2. Power Outages
3. Natural Disasters
4. Insider Threats

- **Mitigations**

1. Regular Backup
2. Disaster Recovery Plan
3. Cybersecurity Training



NOW TRY IT!

GOOD LUCK

