

The Impact of Cybersecurity on Health Sectors Before and After Covid-19

Project Overview:

The healthcare sector is one of the most critical and vulnerable to cyberattacks. In the past, cyberattacks on healthcare organizations have resulted in data breaches, patient harm, and financial losses. The Covid-19 pandemic has exacerbated these risks, as healthcare organizations have been forced to adopt new technologies and work practices that have increased their exposure to cyberattacks.

This project will investigate the impact of cybersecurity on health sectors before and after Covid-19. The project will examine the following research questions:

What are the key cybersecurity threats facing the healthcare sector?

How have these threats evolved since the onset of Covid-19?

What are the steps that healthcare organizations can take to mitigate these threats?

The project will use a mixed-methods approach, including a literature review, interviews with healthcare professionals, and a survey of healthcare organizations. The project findings will be disseminated through a report, presentations, and workshops.

Project Objective:

The objectives of this project are to:

Identify the key cybersecurity threats facing the healthcare sector.

Assess how these threats have evolved since the onset of Covid-19.

Develop recommendations for healthcare organizations to mitigate these threats.

Project Timeline:

Phase 1 (April-May2023): Literature review and interviews with healthcare professionals.

Phase 2 (May-June2023): Survey of healthcare organizations.

Phase 3 (June2023-July 2023): Analysis of data and development of recommendations.

Phase 4 (July 2024): Dissemination of project findings.

Project Team:

The project team will consist of the following members:

Project supervisor

Researchers

Data analyst

Communications specialist

Project Outcomes:

The project is expected to produce the following outcomes:

A report on the impact of cybersecurity on health sectors before and after Covid-19.

Presentations on the project findings to healthcare organizations and policymakers.

Workshops on cybersecurity for healthcare professionals.

The project is expected to make a significant contribution to the understanding of the cybersecurity challenges facing the healthcare sector. The project findings will help healthcare organizations to mitigate these threats and improve the security of their information systems.

Project Dissemination:

The project findings will be disseminated through a report and presentations. The report will be published in a peer-reviewed journal and made available to healthcare organizations and policymakers. The project team will also present the project findings at conferences and workshops. The project team will also develop a toolkit for healthcare organizations to help them improve their cybersecurity practices.