

# Cyber Security in Healthcare 2021

ONLINE EVENT

23RD SEPTEMBER 2021

**IGPP** Institute of Government  
& Public Policy



University of  
East London

## About the event

The NHS is made up of more than 8,000 organisations with many more across the wider health and care sector. This makes maintaining robust cyber security a challenge. There has been a surge of new digital technologies being used in healthcare in the last few years and ever-larger quantities of data are being generated. This provides opportunities to improve the health and care, but also presents enormous risks in protecting data and maintaining safety, privacy and trust of patients.

In 2017 the WannaCry global cyber attack compromised IT across the NHS and demonstrated its vulnerability. The Covid-19 pandemic has caused an increase in cyber criminals targeting healthcare organisations with scams and phishing emails.

Cyber resilience in healthcare is now a high priority and organisations are being encouraged to take a proactive rather than reactive approach to securing networks, devices and data. This event will provide valuable insight into what steps organisations across the healthcare supply chain are taking to improve cyber security. It will detail the latest resources and support that is available from government and NHS agencies to support their initiatives. Best practice examples of innovative cyber security projects will be also detailed through case study examples.

## Why attend?

- Meet other like-minded professionals and develop new, beneficial connections
- Through the learning opportunities and sharing of best practice, you will be able to implement improvements in your workplace
- Impact the wider agenda and be part of future planning
- Be part of organisations that continue to evolve, improve and innovate
- Learn how to make the best use of key products and services that can help transform your organisational capabilities

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## Agenda

- 9:00 [Online Registration](#)
- 9:20 Chair's Welcome Address
- 9:30 Keynote Address: Implementing A National Data Strategy To Mitigate The Risks Of Increased Data Use And Boosting Funding To Help Healthcare Suppliers Improve Cyber Security
- 9:50 Keynote Address: Exposing Malicious Cyber Campaigns Targeted At Organisations Involved In The Coronavirus Response
- 10:10 How to Keep Your Electronic Protected Health Information Secure
- 10:25 [Break and Networking](#)
- 10:45 Seminar Session - Presentation by Cyber Reason
- 11:05 Presentation by Bit Defender
- 11:25 Keynote Address: Improving Cyber Security In The NHS To Maintain The Privacy, Safety And Trust Of Patients
- 11:45 Case Study: Preparing An NHS Trust To Respond To A Cyber Attack: Lessons Learned From WannaCry
- 12:05 Back Off my Backups! Preventing Ransomware from Crippling your Infrastructure
- 12:20 [Break and Networking](#)
- 12:50 Panel Session: Healthcare Delivery: Building Resilience to Cybercrime Syndrome, Hosted by ManageEngine
- 13:20 Case Study: Launching A Cyber Security Framework To Help the NHS Manage Cyber Risks And Recover In The Event Of A Cyber Security Incident
- 13:40 Presentation by Securonix
- 14:00 Strengthening Identity Cyber Resilience in Healthcare with Zero Standing Privilege
- 14:20 [Break and Networking](#)
- 14:40 Presentation by Synopsys
- 14:55 Presentation by Threatlocker
- 15:10 [Chair's Summary and Close](#)

## Key speakers



**Dr Saira Ghafur**

Lead for Digital Health,  
Institute of Global Health  
Innovation,  
Imperial College London



**Dr Ameer Al-Nemrat**

Senior Lecturer & Programme  
Leader, Information Security  
& Computer Forensics,  
School of Architecture,  
Computing, and Engineering,  
University of East London

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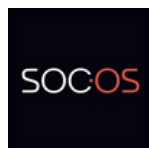
## Learning outcomes

- Discover how organisations across the healthcare supply chain are responding to an increase in cyber security threats due to the Covid-19 pandemic
- Get the latest government updates on mitigating the risks of increased data and technology use in the NHS
- Assess key factors that make the health sector particularly vulnerable to being targeted by hackers
- Learn key lessons from the response to the WannaCry cyber-attack what measures can be implemented to protect the IT infrastructure in the organisation
- Find out how to effectively increase cyber security awareness and embed cyber security into quality systems and organisational culture

## Audience

This event brings together Heads, Directors, Senior Managers and Chiefs of information security, technology, cyber security, data protection, IT, digital and security strategy from private healthcare, medical device manufacturers, NHS, and the voluntary sector to discuss pertinent issues facing the sector today.

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