

Ref no: 033300119
From: Research
Date: 30/01/19
Subject: Cybersecurity

REQUEST

I am writing this mail after reading your articles in some magazines online. We are currently studying the cybersecurity for the healthcare sector of selected countries including the UK, as the attached letter from the Ministry of Health, Labour and Welfare of the Japanese Government to you explains. We think that you are the right person to ask about the cybersecurity at NHS Trusts.

Would it be possible for me to visit you at your trust to discuss the questions below for one hour or so? I will be happy to offer a short presentation briefly describing the Japanese healthcare sector, if interested. I look forward to hearing from you soon. Thank you.

- The figure below is what we think illustrates the cybersecurity ecosystem for the UK health sector. Are there any additions or modifications required to it?
- It appears to us that the CCG-Practice Agreement is a strict measure to control cybersecurity issues at GP Practices. We cannot see such strict control mechanism in the NHS Standard Contract. Does this mean that NHS (Foundation) Trusts are given more freedom in terms of cybersecurity issues including choices of system, network connections, etc.?
- What cybersecurity-related services of NHS Digital do you use at your trust?
- Can you tell us how much money is spent for cybersecurity locally at your trust or at trusts or hospitals in general?
- At your trust or trusts in general, who normally assumes the senior information risk officer position? How are they chosen? What level of IT knowledge is required for them? What resources are offered to support them?
- At your trust or trusts in general, who normally assumes the data protection officer position?
- Do you think that the data defence has been improved since the WannaCry ransomware incident? Where do you think the biggest vulnerability exists in the current cybersecurity arrangements?

Regulator	Support Organizations	On-site, local		National Systems	Private Sector
CareQuality Commission (CQC)	NHS England	Patients		Spine/N3 (HNSC)/Other National Services	Solution Providers IBM, Microsoft, etc.
	NHS Improvement	Pharmacies			
	NHS Digital	NHS Trusts (NHS Providers)	General Practices (GPs)		
	CareCERT	Senior Information Risk Owner (SIRO)	Senior Information Risk Owner (SIRO)		
	Cyber Security Operations Centre (CSOC)	Data Protection Officer	Data Protection Officer		
	Cyber Security Programme (CSP)	NHS Standard Contract	CCG-Practice Agreement		
	National Cyber Security Centre (NCSC)	Clinical Commissioning Groups (CCGs)			
(10) Data Security Standards (Data Security and Protection Toolkit)/ Cyber Essential Plus					
Department of Health and Social Care (DHSC)					
<u>Other Relevant Organizations</u>	National Data Guardian (NDC)	Information Commissioner's Office (ICO)			
General Data Protection Regulation (GDPR)/Data Protection Act 2018					

RESPONSE

- The figure below is what we think illustrates the cybersecurity ecosystem for the UK health sector. Are there any additions or modifications required to it?

Please be advised that the Freedom of Information Act gives a general right of access to all types of recorded information held by

the Trust. However we are not required to create new information to respond to a request, or give a judgement or opinion that is not already recorded. As your request is asking for our opinion im afraid that it falls outside of the scope of the act and are unable to respond further.

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- What cybersecurity-related services of NHS Digital do you use at your trust?

Windows 10 Advanced Threat Protection (ATP)

IT Health Checks

Unified Cyber Risk Framework

Care Cert Communications

- Can you tell us how much money is spent for cybersecurity locally at your trust or at trusts or hospitals in general?

To provide the requested information above would highlight any vulnerability, should any such vulnerability exist (within hardware or software or architecture or Vendor, etc.), within our IT infrastructure which could be exploited for the purposes of ransomware, other malware, or to withhold/disrupt IT functionality within the Trust.

This information relating to the cyber security agenda is likely to assist criminal offenders thereby seriously threatening the effective delivery of healthcare by the Trust. The act of gathering information as requested, in the hacking arena is known as foot-printing and our network architecture is closely protected to at least NHS protect if not NHS Confidential. Therefore in accordance with Section 31 of the Freedom of Information Act the Trust will not be releasing the requested information as this would prejudice our ability to resist cyber-attacks.

- At your trust or trusts in general, who normally assumes the senior information risk officer position? How are they chosen? What level of IT knowledge is required for them? What resources are offered to support them?

The Director of Informatics for the Trust has the role of SIRO. The SIRO was appointed after a robust interview process. The SIRO has an extensive knowledge of IT and is supported by a suitably skilled Information Governance Department.

- At your trust or trusts in general, who normally assumes the data protection officer position?

The Head of Information Governance and Quality Assurance is the Trusts Data Protection Officer.

- Do you think that the data defence has been improved since the WannaCry ransomware incident? Where do you think the biggest vulnerability exists in the current cybersecurity arrangements?

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