

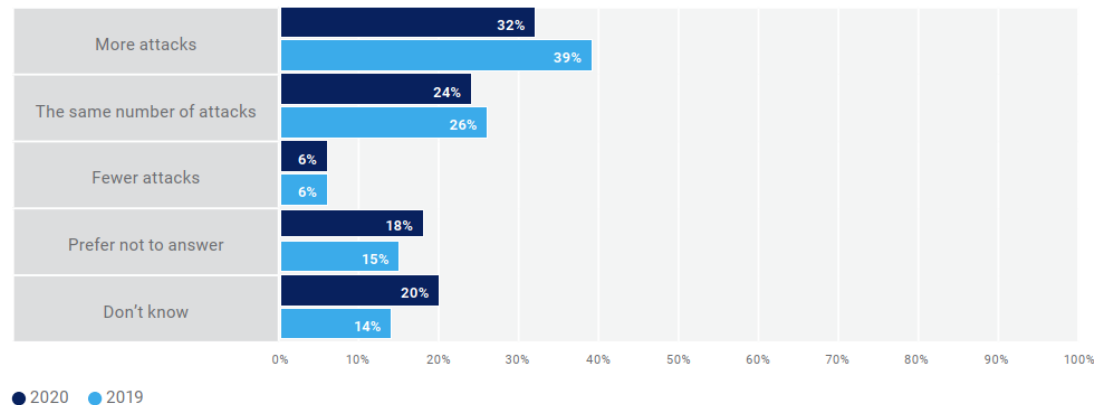


A Universal Cyber Security Toolkit  
for the Health and Care domain

**Practical Methods, Tips and Tricks  
to help ICT engineers in their daily  
activities to control cybersecurity**

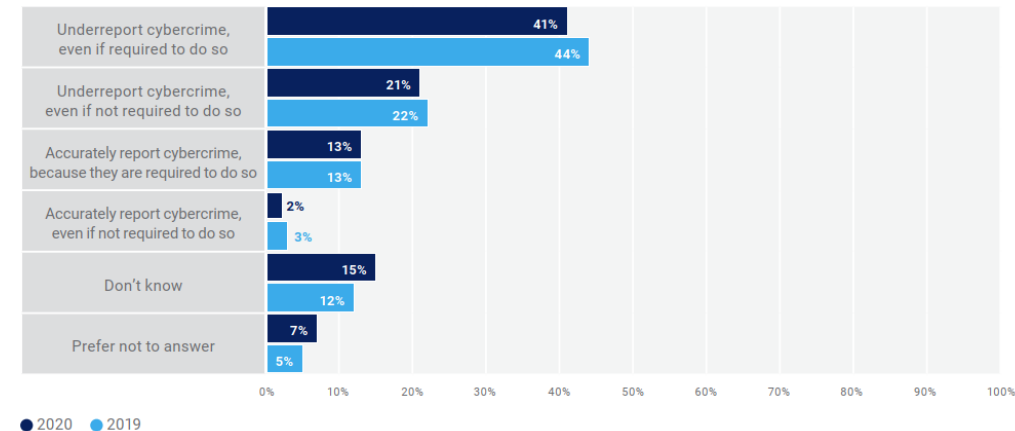
**FIGURE 4—CYBERSECURITY ATTACK TRENDING**

Is your organization experiencing an increase or decrease in cybersecurity attacks as compared to a year ago?



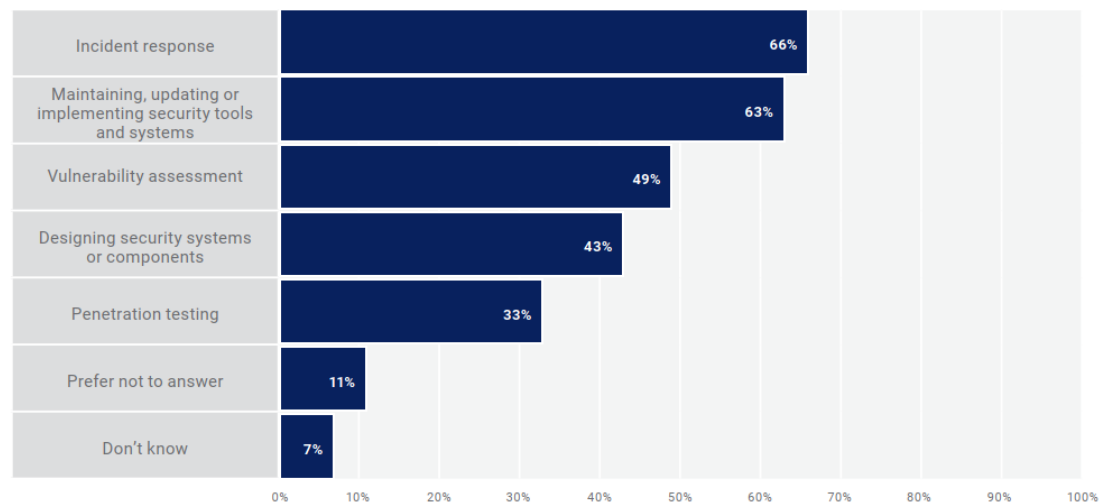
**FIGURE 9—ENTERPRISE REPORTING OF CYBERCRIME**

Do you believe that when it comes to reporting cybercrime, most organizations:



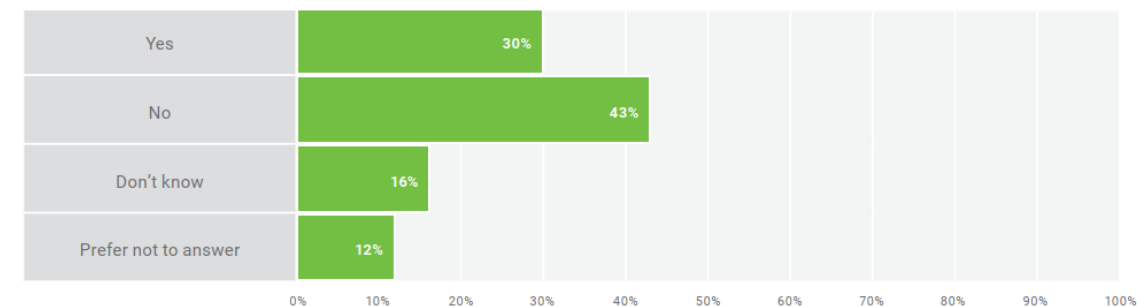
**FIGURE 7—IT OPERATIONS PERFORMING SECURITY FUNCTIONS**

Is your IT operations team responsible for any of the following security functions? Select all that apply.



**FIGURE 12—USE OF AI IN SECURITY OPERATIONS**

Do you use artificial intelligence (such as machine learning or robot process automation [RPA]) in your security operations?



## **Identify your connected assets**

Every hospital needs visibility into which of its devices are IP addressable and how they're interacting with the network.

## **Do risk assessments**

Effective cyber risk management starts with awareness.

## **Define you behaviour baseline**

Measure operational baselines in order to capture what "normal" traffic looks like.

## **Train and Educate**

Do staff training and prioritize widespread knowledge transfer about the risks, how to recognize them, and what to do.

## **Proactively reduce the attack surface**

Segment network zones, block activities or access ports associated with high risk level vulnerabilities.

## **Build an automatic, near zero-configuration security architecture**

Reduce manual labor required of IT and Security teams and helps drastically reduce the scope of human error.



# **Establish an incident response protocol**

Implement a CSIRT.

## **Understand regulations and standards**

Gain an in-depth understanding of the wide range of regulations affecting medical devices and their security.

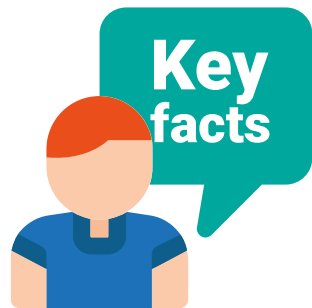
## **Establish patch management processes**

Vendors should provide security updates and patches for all devices they sell.

## **Collaborate and share knowledge**

Leverage threat intelligence and experience from your peers.

Thank you!



**Starting Date:** 1/1/2019



**Project Duration:** 36 months



**EC funding:** € 4,999,435



**17 partners / 9 EU countries**



[www.sphinx-project.eu](http://www.sphinx-project.eu)



ProjectSphinx



sphinx-project



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 826183.