



CYBER MEDICAL TARGET

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**Officially approved instructor by the Cyprus Human Resources Development Authority (ANAD) Αρχής Ανάπτυξης
Ανθρώπινου Δυναμικού Κύπρου (ΑνΑΔ) &**

CYBER SECURITY

in

HEALTHCARE



Security Maturity Assessment



Healthcare combines
the worst possible mix:

high value
high urgency
and
low cyber
maturity.

Do You Know the Value of Your Data on the Dark Web?

Guess Now →



what's
my
data
worth

A DATA BREACH
COSTS MORE
THAN YOU THINK



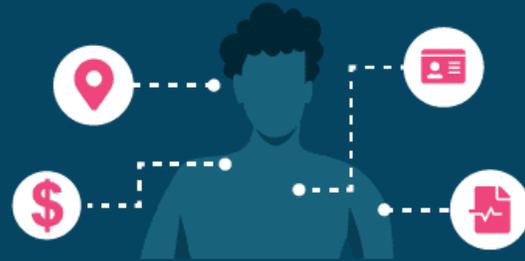
About € 1000
in the
Dark Web !!!

Per Data - *mean*
Per Person

The medical records of patients **can sell for \$1,000 on the dark web.**



The black market value of medical records **stands at \$250 (on average).**



Medical records are valuable because **they contain lots of sensitive data**, which cannot be changed easily by victims.

This means the percentage of breaches classed as 'theft or loss' is **much higher in the healthcare industry than in other sectors.**



'Theft or loss' data breaches:

Other industries
15%

Healthcare Industry
32%

Online banking logins cost an average of €35

Full credit card details including associated data cost € 12-20

A full range of documents and account details allowing identity theft can be obtained for € 1,500

Hacked Facebook account €45

Hacked Instagram account €40

Hacked Twitter account €25

Hacked Gmail account €65

COMPLETE MEDICAL RECORD € 1000



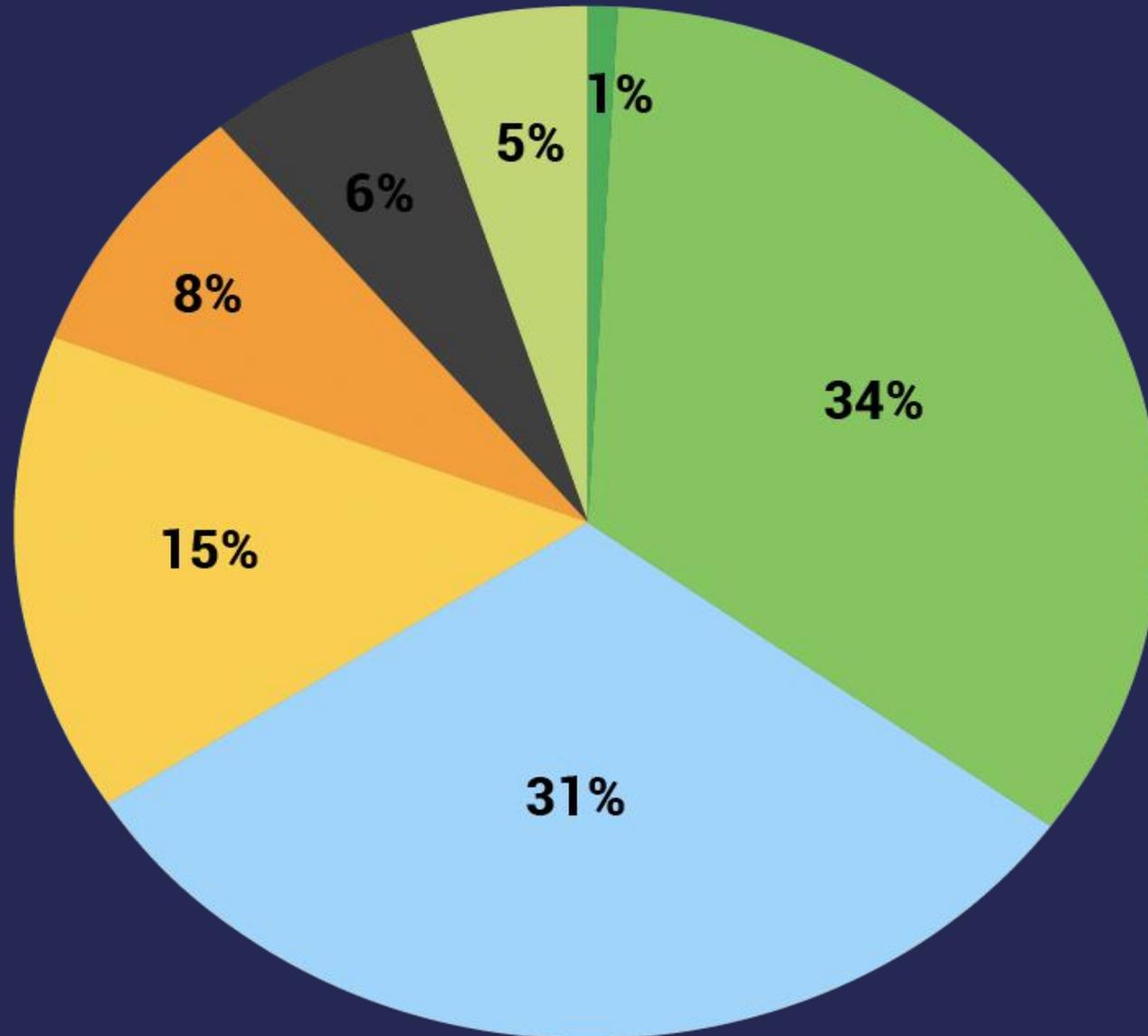
YOU WILL BE HACKED

TAKE AWAY

STORY...
CASE STUDY...



Number Of Records Breached By Industry



HEALTHCARE



GOVERNMENT



TECHNOLOGY



RETAIL



EDUCATION



OTHER



FINANCIAL



2025



The number of cyberattacks on healthcare organizations rose by about **17 %** compared with the previous year

with an average of ~2 465 weekly attacks in 2025

It was 109 attack per week in 2020

Rough indicative range ;

Healthcare sector global cyber damages:~

€50 billion – €100 billion+ across all incidents in 2025

Healthcare entities are ideal targets for ransomware attacks.

Attackers look for the easiest targets.

Smaller medical practices, mental health clinics, or business associates such as claims processors present an easy target for cybercriminals.

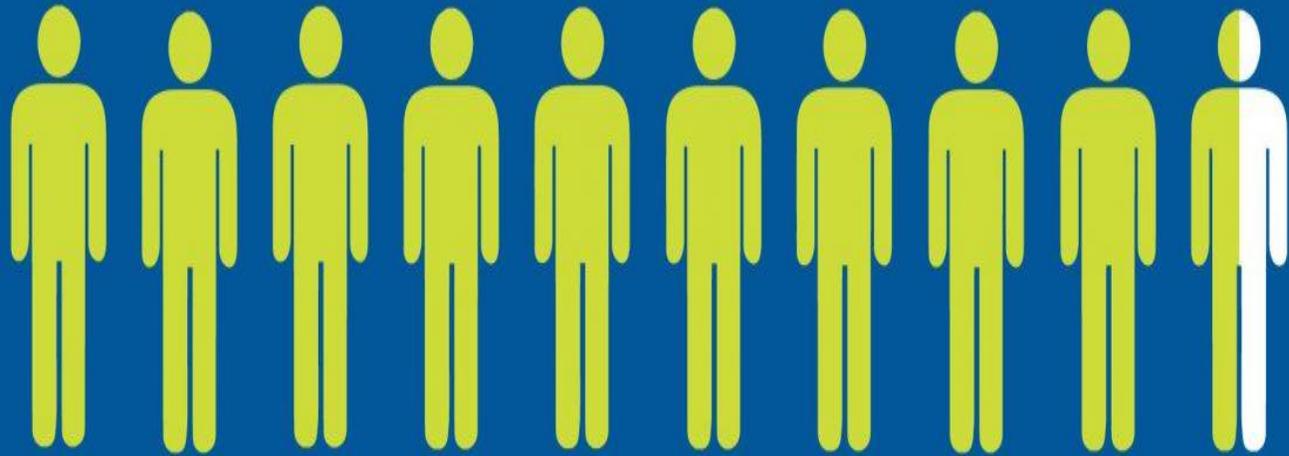


Healthcare
will have to deal
with
more and more
Cyber attacks.

95%

of all successful cyber attacks
is caused by human error

Source: IBM Cyber Security Intelligence Index



Cyber Attacks in Cyprus

35 % Phishing

19 % Fraudulent emails

6 % Attacks where criminals pretend to be someone trusted to manipulate employees

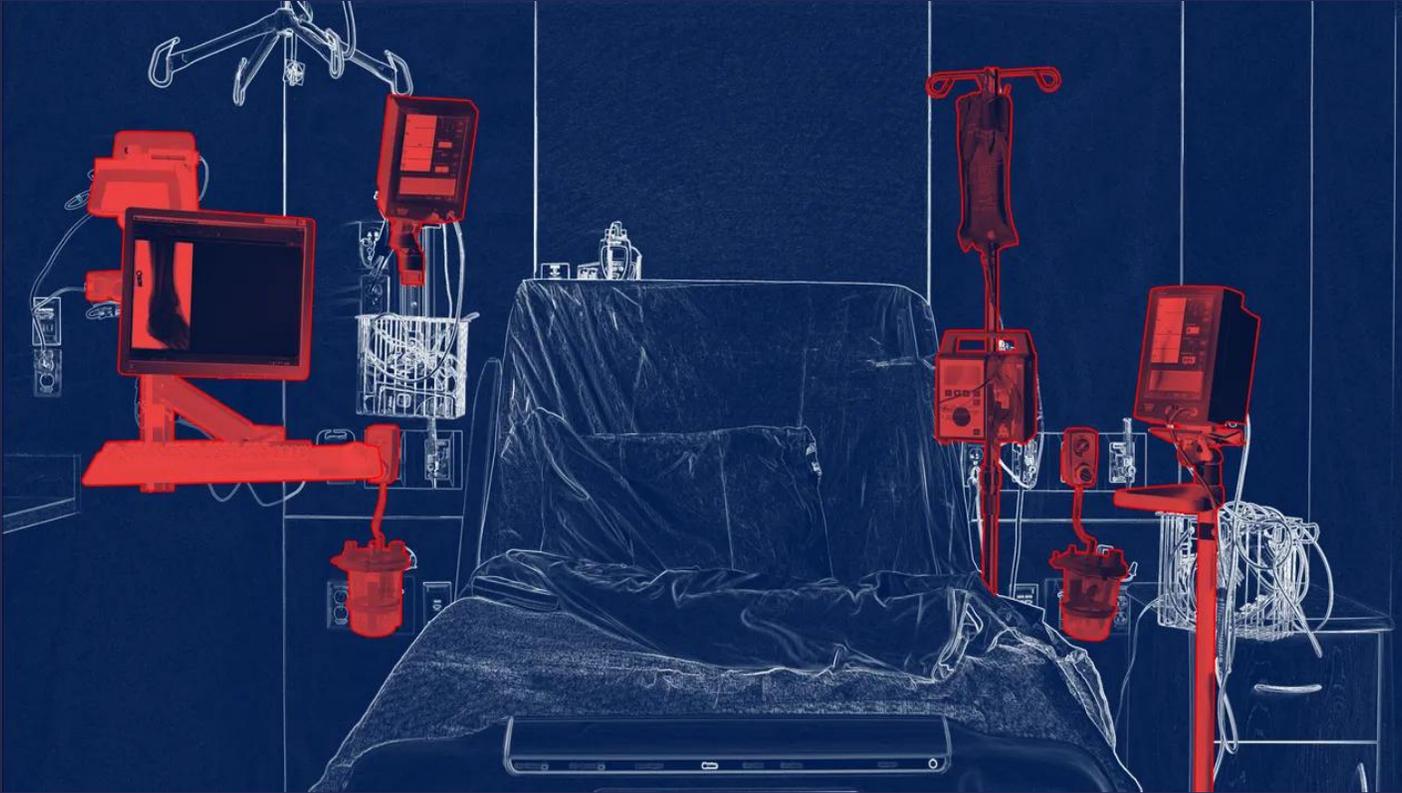
44 % Traditional breaches where systems are directly accessed via exploits, weak passwords ...





EU faced more
than 10,000 cyber-attacks
every day

Millions of patients'
records are estimated to
have been exposed
globally in 2025



In December 2025,
the Bank of Cyprus Oncology Center
suffered a data breach
The breach involved sensitive personal
information , especially medical and
personal identifiers of cancer patients and
staff ...But the list is quite long...

In France in the past years,
L'Institut Pasteur , L'hôpital de Cannes +
Villefranche-sur-Saône + L'Assistance
Publique-Hôpitaux de Paris , L'Hôpital
Nord-Ouest ...

EU Cybersecurity Initiatives reflect the
risk

Because of the rising threat level across
Europe, the European Commission
launched a targeted Action Plan in 2025
specifically to improve cybersecurity for
hospitals and healthcare providers

FEB 2026



Healthcare and **Cybersecurity:** Statistics, Facts, and Trends



- Cybersecurity threats against healthcare have not only grown in frequency but also in severity, with weekly attack attempts multiplying and data exposures reaching **unprecedented scales...**

Digital transformation adoption have expanded the attack surface across hospitals and clinics.

Ransomware groups target healthcare due to the critical nature of services and high likelihood of ransom payment. **More sensitive health data is stored online, increasing the incentive for threat actors to breach systems.**

- This trend underscores the urgent need for stronger cybersecurity resilience in healthcare, including advanced threat detection, incident response planning, and regulatory compliance.



Estimated cost of cybercrime worldwide (in trillion U.S. dollars)



As of November 2022. Data shown is using current exchange rates.

HEALTHCARE IS A TARGET FOR CYBER CRIMES DUE TO THE:

Number of users

This is a major problem for the world of cybersecurity.

In fact, the number of cyber-attacks on mobile phones is growing all the time

**More than 7.7 billion phones
for 7.3 billion people**

Education and information

Constant automation

Gaps in Security

Easy Money



The image features a dark blue background with a subtle pattern of the European Union flag's stars. In the center, the text "NIS2" is written in a large, white, sans-serif font. The stars are arranged in a circle around the text, with some stars appearing slightly blurred or faded.

NIS2

NIS stands for 'Network and Information Security'

It is an EU directive designed to strengthen cybersecurity in the European Economic Area. The first NIS Directive was adopted by the EU Parliament in 2016. The second version of the directive (NIS2), which builds on the first, was introduced in 2022.

The Law transposes NIS2 in its entirety and provides that DSA (The EU's Digital Services Act - European Commission) can issue fines to Essential and Important entities for breaches or failure to comply with the law: of

up to 10 million euros

or 2% of the company's total annual worldwide turnover whichever is higher.

The logo for NIS2 (Network Information Security Directive 2) is centered at the top of the slide. It features the text "NIS2" in a bold, white, sans-serif font. The text is surrounded by a circle of twelve yellow five-pointed stars, similar to the flag of the European Union. The background of the top half of the slide is a dark blue, slightly blurred image of the Earth from space.

NIS2

In addition to administrative fines, the Law also provides additional enforcement powers, such as:

- Onsite inspections
- Suspending certifications and authorisations for services by an organisation
- Ad hoc audits where it is justified or as a result of a significant incident or infringement
- Request for information and access to the data of an organisation to carry out inspection and supervisory tasks
- Request of evidence for the implementation of policies and procedures





Benefits of Cybersecurity Audits in Healthcare:

Proactive Threat Mitigation: Identifying vulnerabilities before they are exploited allows healthcare organizations to proactively address weaknesses, preventing potential cyber threats and data breaches.

Cost-Efficient Security Measures: Cybersecurity audits assist in prioritizing security investments, ensuring that resources are allocated to the most critical areas, and optimizing budget utilization.

Enhanced Patient Trust: A robust security posture instills confidence in patients, assuring them that their sensitive health information is handled with the utmost care and protection.



- With Hellenic Police Cyber Crime Division in Athens



CYBER SAFE? THE GROWING THREAT

FROM THE
MARITIME INDUSTRY
TO YOUR
PERSONAL LIFE

Date: 1st March 2022
Place: St Raphael Resort & Marina,
Limassol
Republic of Cyprus

Organised by



Sponsored By

MOBOTIX

CYBER SAFE?

THE GROWING THREAT

FROM THE
MARITIME INDUSTRY

TO YOUR
PERSONAL LIFE

Friday
25th October 2019
APHRODITE HILLS RESORT
CYPRUS

QUANTUM EXPERIENCE
FORUM



CODAVI INTERNATIONAL

gather
A ONE OF A KIND
WELL EXPERIENCE PLATFORM WITH
MULTI FORUMS & SEMINARS ON
CYBER
IN SEVERAL EU COUNTRIES

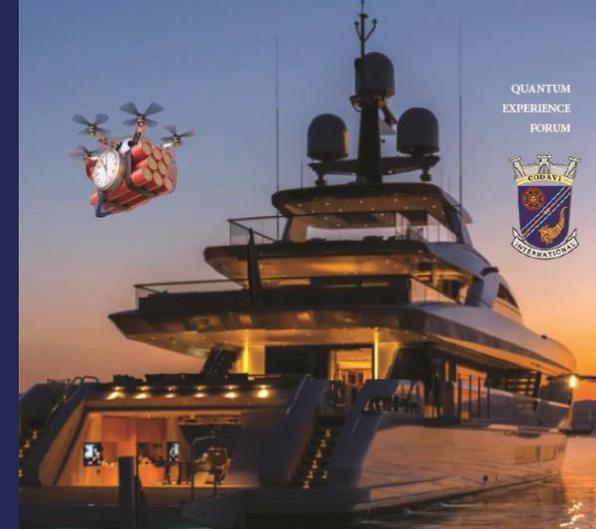
With exclusive participation of:
Law Enforcement Authorities
Military & Navy
Cyber Specialists
Detective Agencies
Counter Intelligence ...

That is the robust reason we can
provide a most exclusive approach on
Cyber Security within
the HEALTHCARE sector.

Especially for the
YACHT INDUSTRY
SEMINAR & FORUM ON
CYBER & ANTI-DRONE
PROTECTION

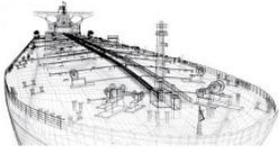
Under the Auspices of the  Hellenic Chamber of Shipping

HOW TO PROTECT YOUR YACHT FROM A CYBER ATTACK?
HOW TO BE PROTECTED AGAINST A MALVEILLANT DRONE?



QUANTUM
EXPERIENCE
FORUM

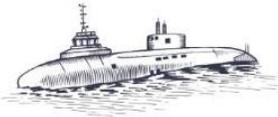




**1st TACTICAL STRATEGIC AWARENESS
FOR MARITIME AND NAVY IN CYPRUS**
*From Safety with Anti-Drone Systems
to Best Logistics and more.*

Friday 21st January 2022
Four Seasons Hotel Limassol
9:00am

Limited seating available.
Dress Code: Business Suit (Mask Mandatory)



Sponsors



Organised by



With
Vice Admiral Pavlopoulos
Former Chief of Hellenic Fleet
Cyprus Police Cyber Division
USA Representative
British Commission Military ...



CYPRUS MEDICAL INTERNATIONAL FORUM

At the Cyprus Space
Exploration Organisation

3-4 June 2026

Nicosia



C-SpaRC

MEDICINE OF THE FUTURE IN SPACE
CYBER ATTACK IN HEALTHCARE
NEW HOSPITALS & CLINICS FORCOMING IN CYPRUS
AI - IoT - SOCIAL MEDIA
GYNECOLOGY- REPRODUCTION (IVF)
CANCER - BIOCELL
CRYPTO IN MEDICAL TOURISM...

*"A BRIGHT MEDICAL VIEW FOR THE FUTURE IN CYPRUS
ON MEDICAL KEY ISSUE..."*

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Cyprus Space Exploration Organisation