



INSTITUT LUXEMBOURGEOIS  
DE RÉGULATION

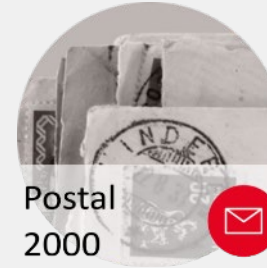
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# THREAT AND RISK MANAGEMENT

NIS Cooperation Group - WS on Health  
Task Group 3

Pascal BERTRAND

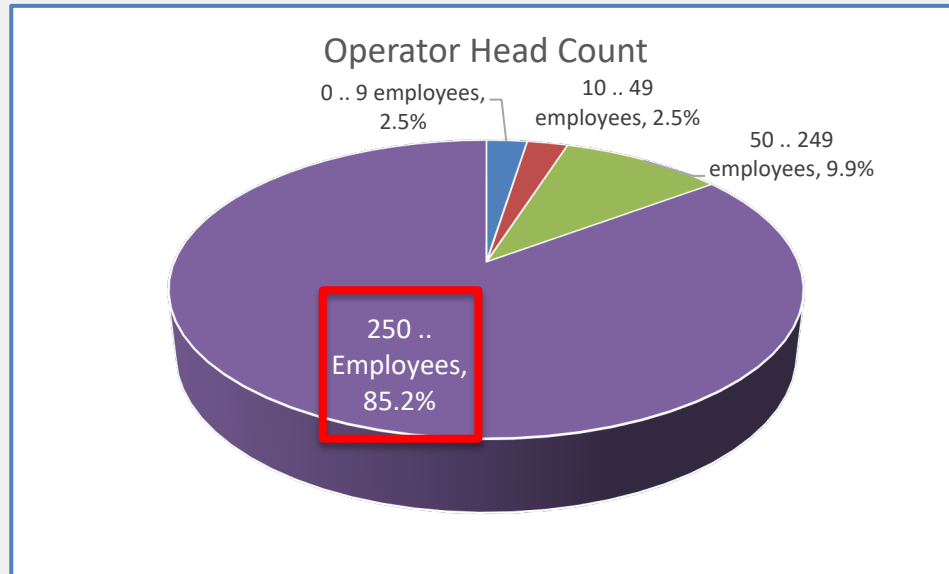
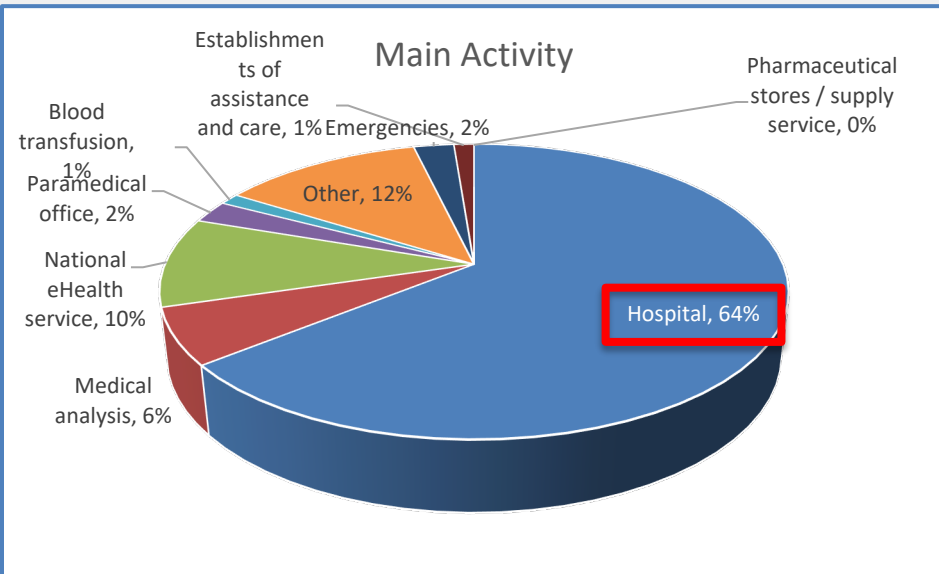
# ILR Competencies



# Health Sector Threat Landscape

- EU survey to health sector from 07/2022 to 10/2022
- 21 questions Survey sent to health operators
- Identify, mitigate and manage health sector cyber risks
- WS on Health - NIS Cooperation Group
- Task Group 3: Portugal, Denmark, **ENISA, Luxembourg**

# Health Survey - Participants



Answers from 81 operators  
93% active only in 1 EU country

# Health Survey – Risk Management Culture

- Only **54%** perform risk analysis
- Risk analysis frequency: once a year – 73% out of **54%**
- Only 54% have procedures for incident response
- Only 27% consider risks from 3<sup>rd</sup> party (supply chain)



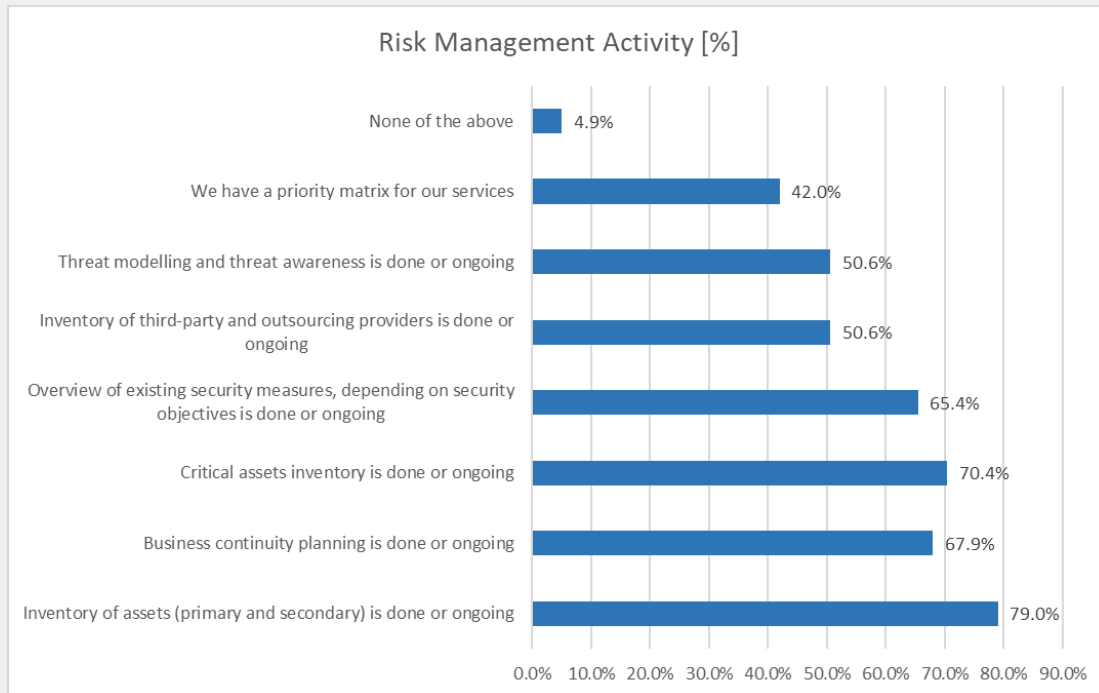
# Health Survey – Risk Management Culture

- 33% perform both risk analysis and incident response – best practice
- 21% perform only incident response
- 21% perform only risk analysis



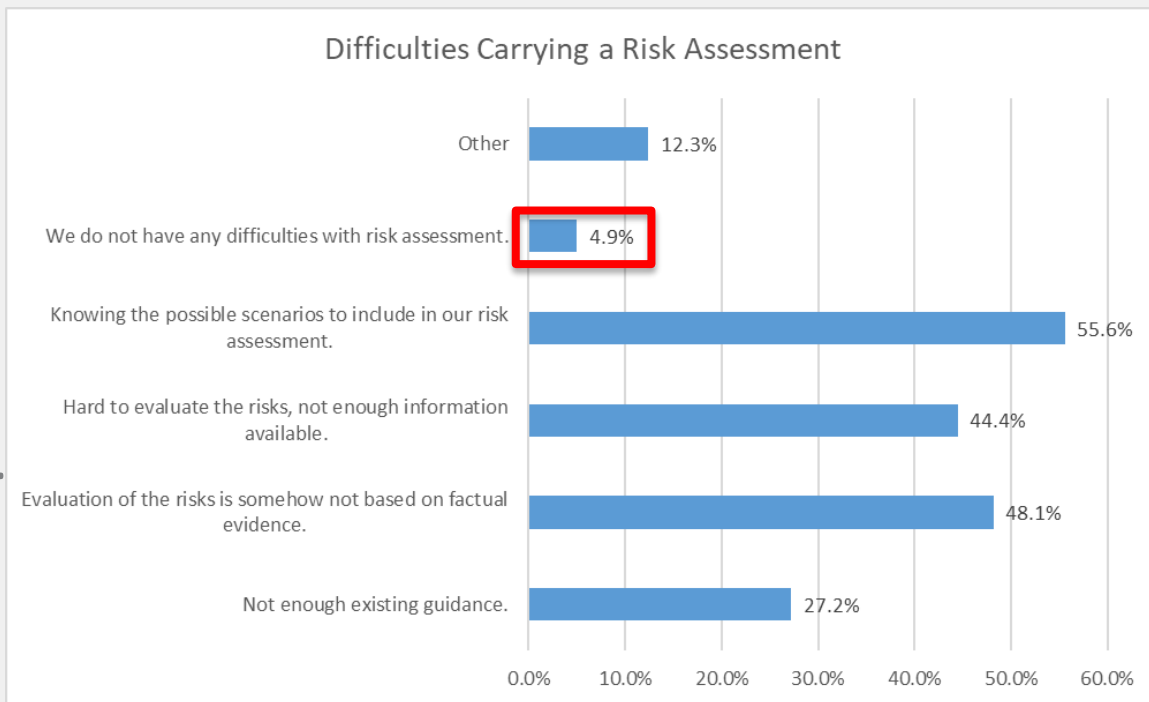
# Health Survey – Risk Management Activity

- 79% Asset inventory
- 70% Critical asset inventory
- 68% Business continuity plan



# Health Survey – Risk Analysis Difficulties

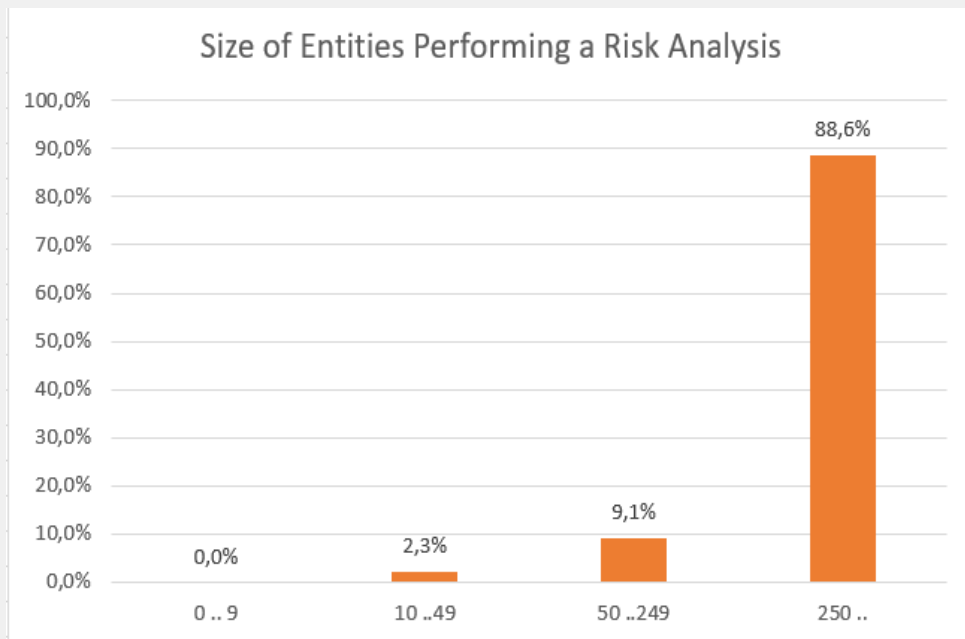
- 95% face difficulties
- Need for:
  - Information
  - Guidance
  - Training
  - Informed governance.





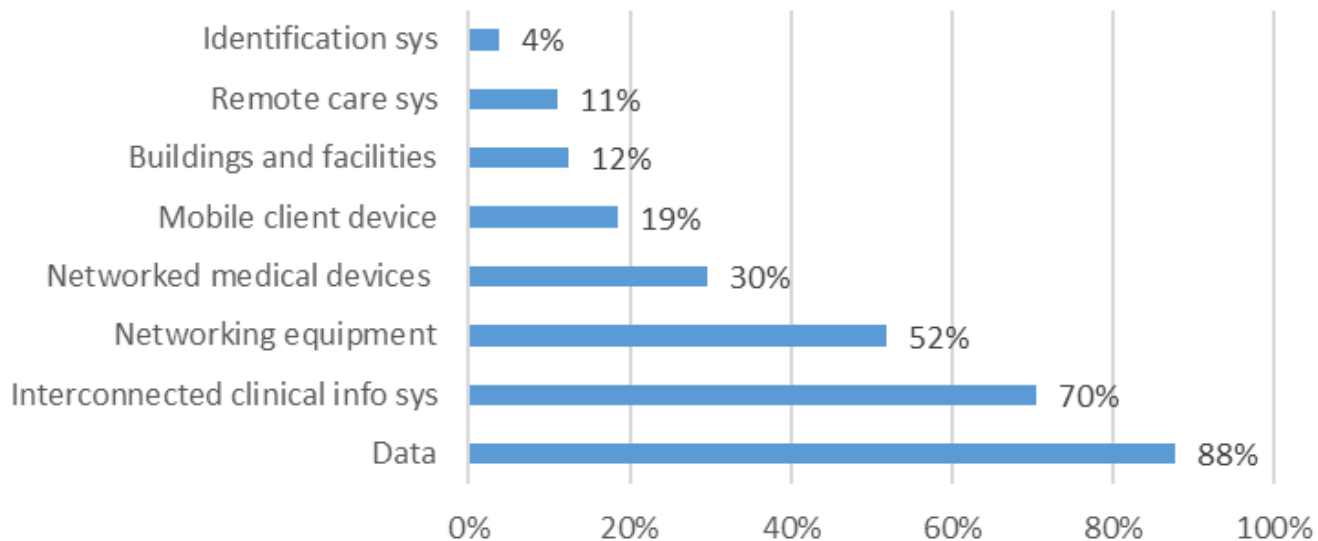
# Health Survey – Risk Analysis Difficulties

- 89% of entities performing risk analysis with over 250 employees



# Health Survey – Most Important Assets

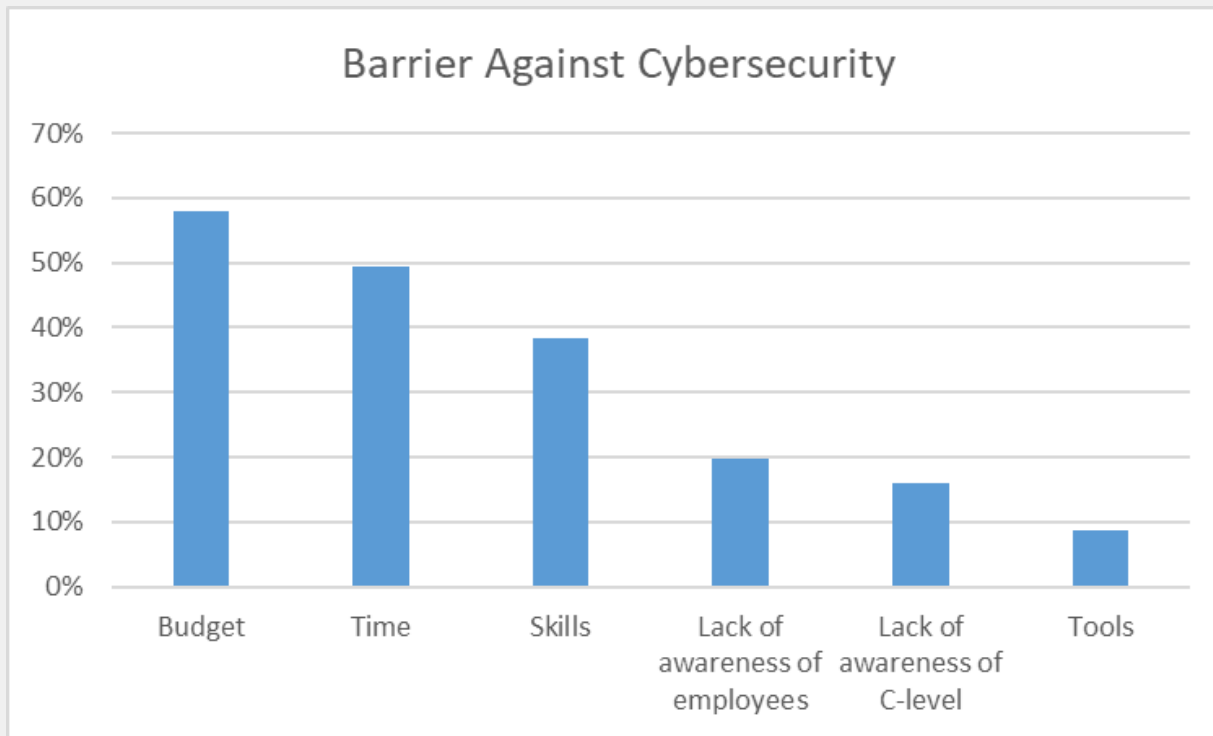
## Most Important Health-Specific Assets



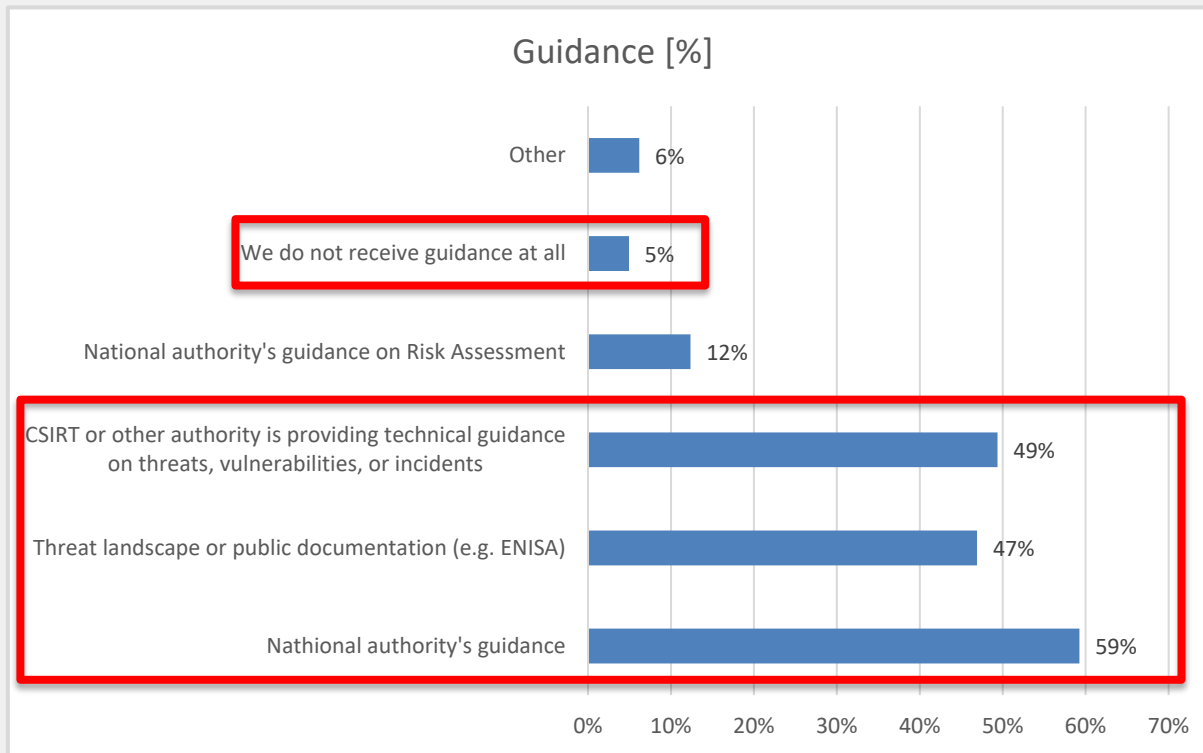
# Health Survey – Health Sector Threats

Top 8	Threats
1	Ransomware
2	E-mail related threats
3	Malware
4	Threats against data
5	Threats against availability and integrity
6	Cryptojacking
7	Disinformation – misinformation
8	Non-malicious threats

# Health Survey – Barrier Against Cybersecurity



# Health Survey – Guidance



## Conclusion

Still a lot to do...

- Awareness
- Risk analysis
- Guidance
- Training
- Support

High level of  
cyber security

