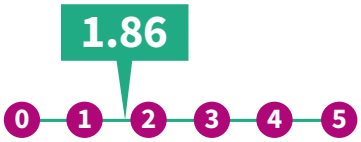
Key Insights

MDIC Industry Benchmarking Report 2023

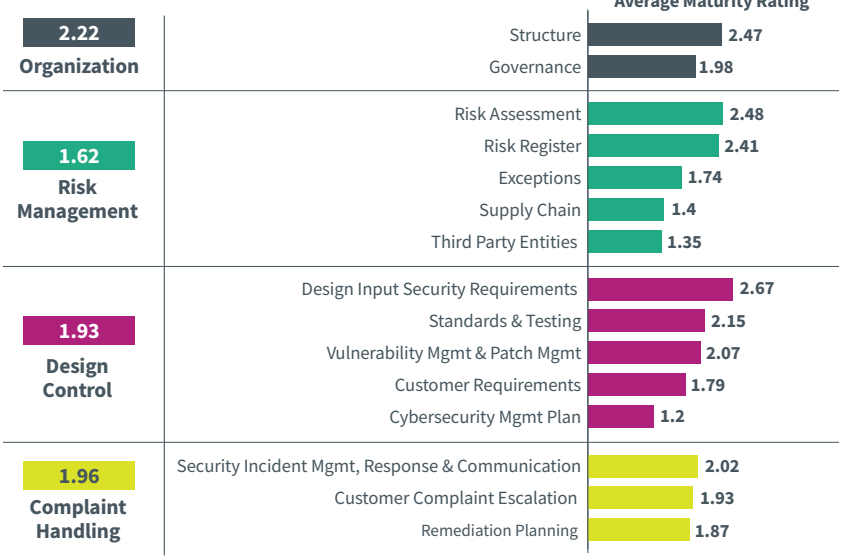
Medical Device Cybersecurity Maturity

May 2024

Overall, the average cybersecurity maturity rating for medical device manufacturers across all participating companies is 1.86.

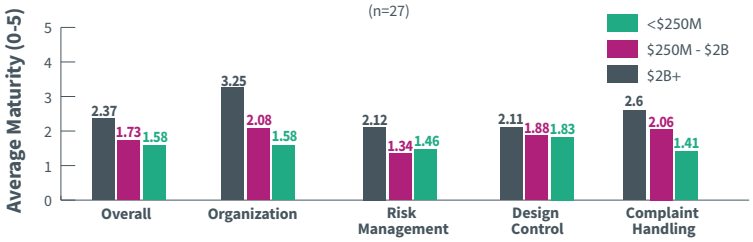


Average Maturity Rating By Category (n=27)

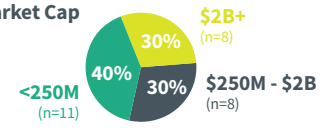


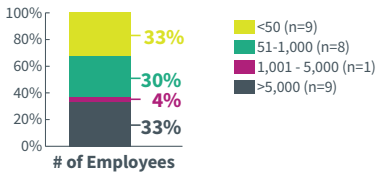
Maturity by Organization Size & Domain

(n=27)

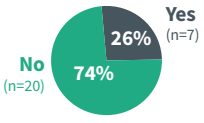


Organization Market Cap

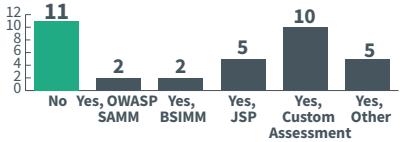




Did your organization or division explicitly use the JSP to guide its Product Security Program?



Has your organization or division completed a security maturity assessment prior to the 2023 MDIC benchmarking assessment?



SAMM=Software Assurance Maturity Model, BSIMM=Building Security in Maturity Model, JSP=Joint Security Plan

Company Size is Correlated with Maturity Level

The larger the MDM (Medical Device Manufacturers), the higher likelihood the company has more mature cybersecurity proficiencies. Companies with revenues greater than $2B tend to exhibit higher levels of maturity in their product security capabilities.

Maturity of Roles and Responsibilities in Product Security are Still Inching Forward

While organizations are making efforts to identify capable and qualified individuals for product security roles with clear delineation of responsibilities, there remains a need for enhanced proficiency and consistency, particularly within smaller enterprises.

Larger Organizations are More Likely to Be Compliant with Industry Standards and Guidance

Adherence to industry standards or guidance for cybersecurity requirements was one of the higher scoring items for mid and large companies.

Supply Chain Security (Including Development Environments) Maturity Identifies As Not Planned and Unprotected

There is a concerning lack of maturity across various aspects of supply chain cybersecurity practices among all cohorts of surveyed companies.

Weaknesses in Product Security Transparency and Communication Reflect a Critical Gap

Lower maturity levels exist in product security labeling and the availability of public-facing product security websites.

Lack of Anticipation of End-of-Life Support Presents a Significant Deficiency in Cybersecurity Management Planning

Among all company sizes, the establishment of anticipated end-of-life and end-of-support dates for products emerges as the lowest scoring item among all questions.

Access the full report at mdic.org

MDIC Medical Device Innovation Consortium

apraciti

For more information: cybersecurity@mdic.org