



MEISTERWORKS

Scottish Government/COSLA Digital Maturity Assessment

Topical Briefing: Software as a Medical Device



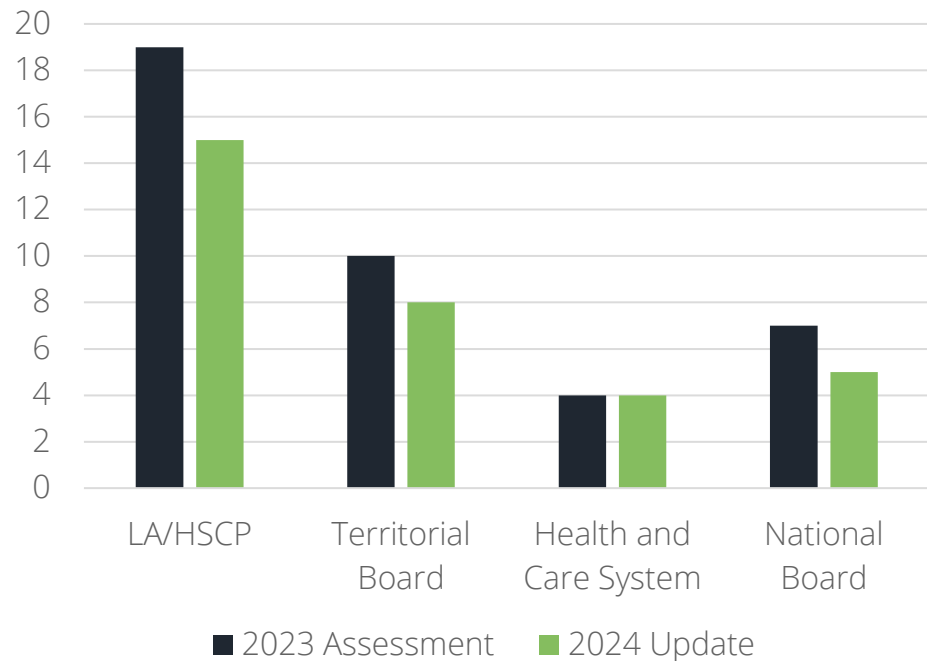
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21 January 2025

Background: SG/COSLA Digital Maturity Assessment

Analysis of 2023-2024 data including question additions on SaMD (2024 only) and related questions from all organisations participating in the Scottish Government/COSLA Digital Maturity Assessment

Completed Assessments



Assessment Overview

- The Scottish Government/COSLA Digital Maturity Assessment is a **standardised management tool for digital transformation**
- Digital maturity measured across more than **400 indicators divided into 20 categories across top level themes “Readiness”, “Capabilities” and “Enabling Infrastructure”** against current subject matter expert picture of ‘What Good Looks Like’
- Open to organisations across **healthcare and social care**
- **Collaborative completion** across and beyond organisational structures – submission as Health and Care System is encouraged wherever possible



Background: Software as a Medical Device

Questions added to the Scottish Government/COSLA Digital Maturity Assessment on SaMD in 2024 in order to capture the maturity of management and governance of this emerging device type

Software as a Medical Device



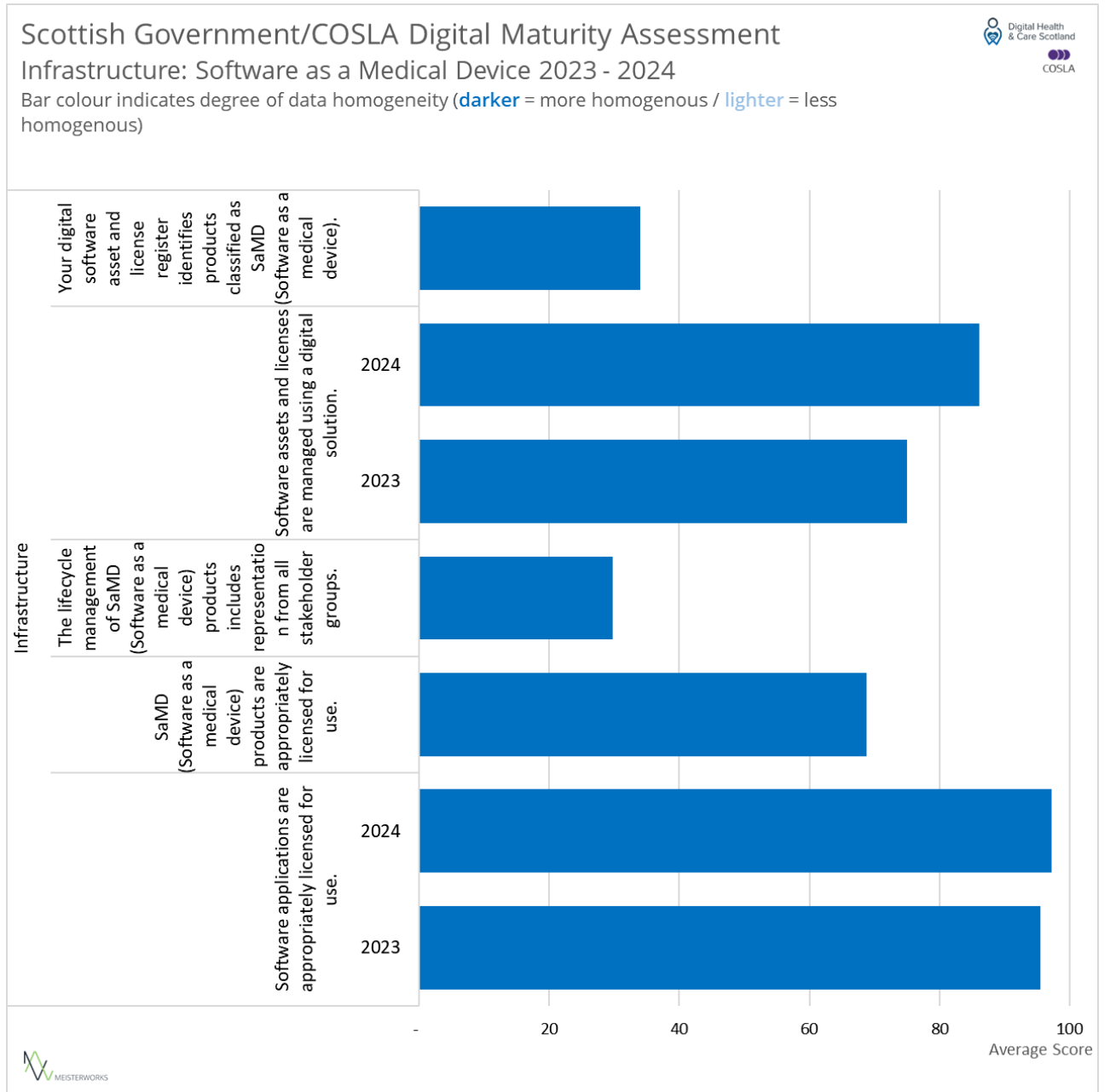
- What it is
- What it means
- ...



Software as a Medical Device - Infrastructure

Existing asset and licensing management does not regularly cover SaMD

- Digital licensing and software asset management can be considered mature
- SaMD assets' inclusion scores less than half
- Analogously, appropriate SaMD lifecycle management is not routine yet



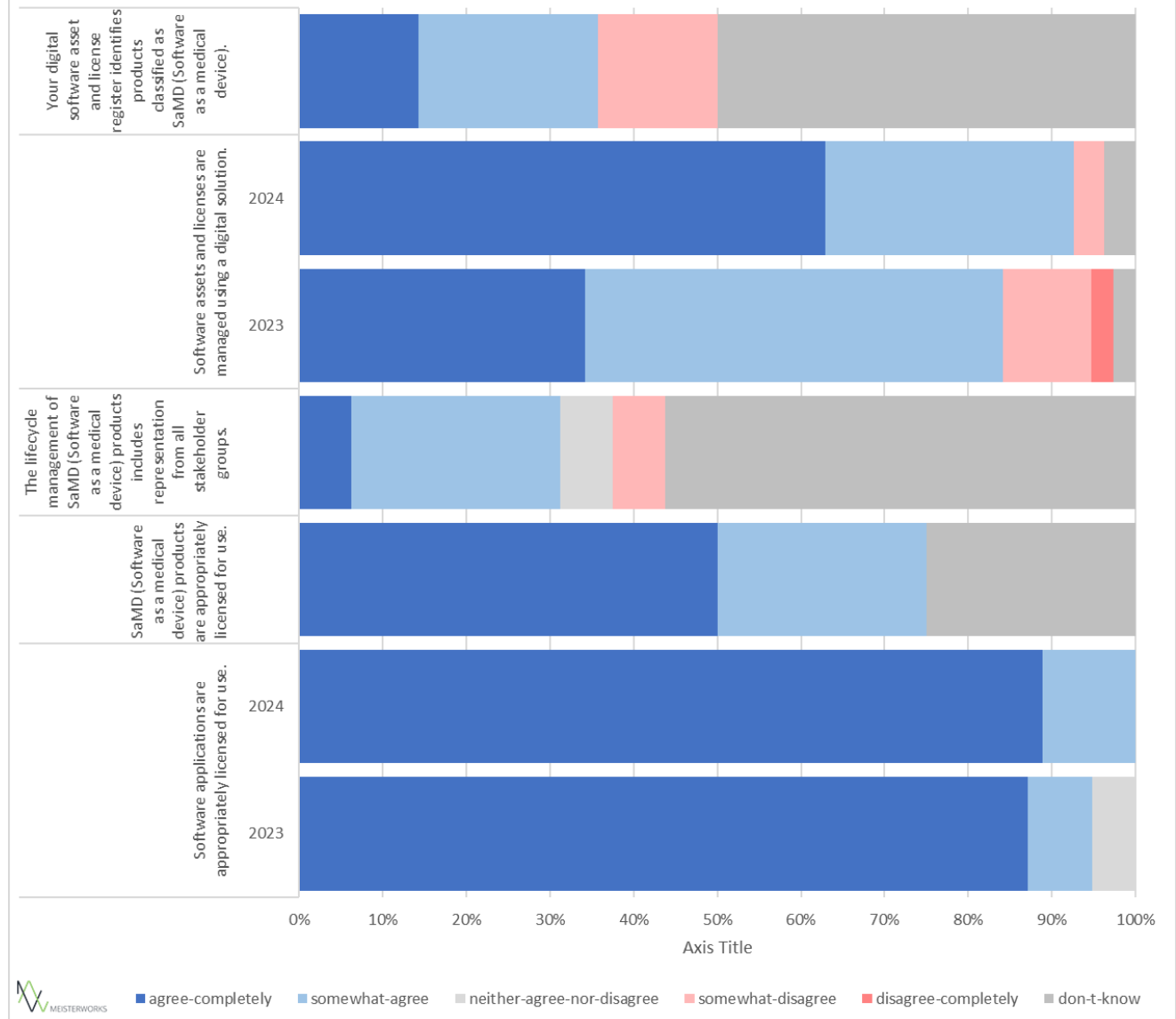
Software as a Medical Device - Infrastructure

Answer distribution points at a lack of organisational awareness around SaMD

- Questions around SaMD related processes attracted extremely high shares of “Don’t Know”
- Wider questions about software asset management or licensing invited more specific responses



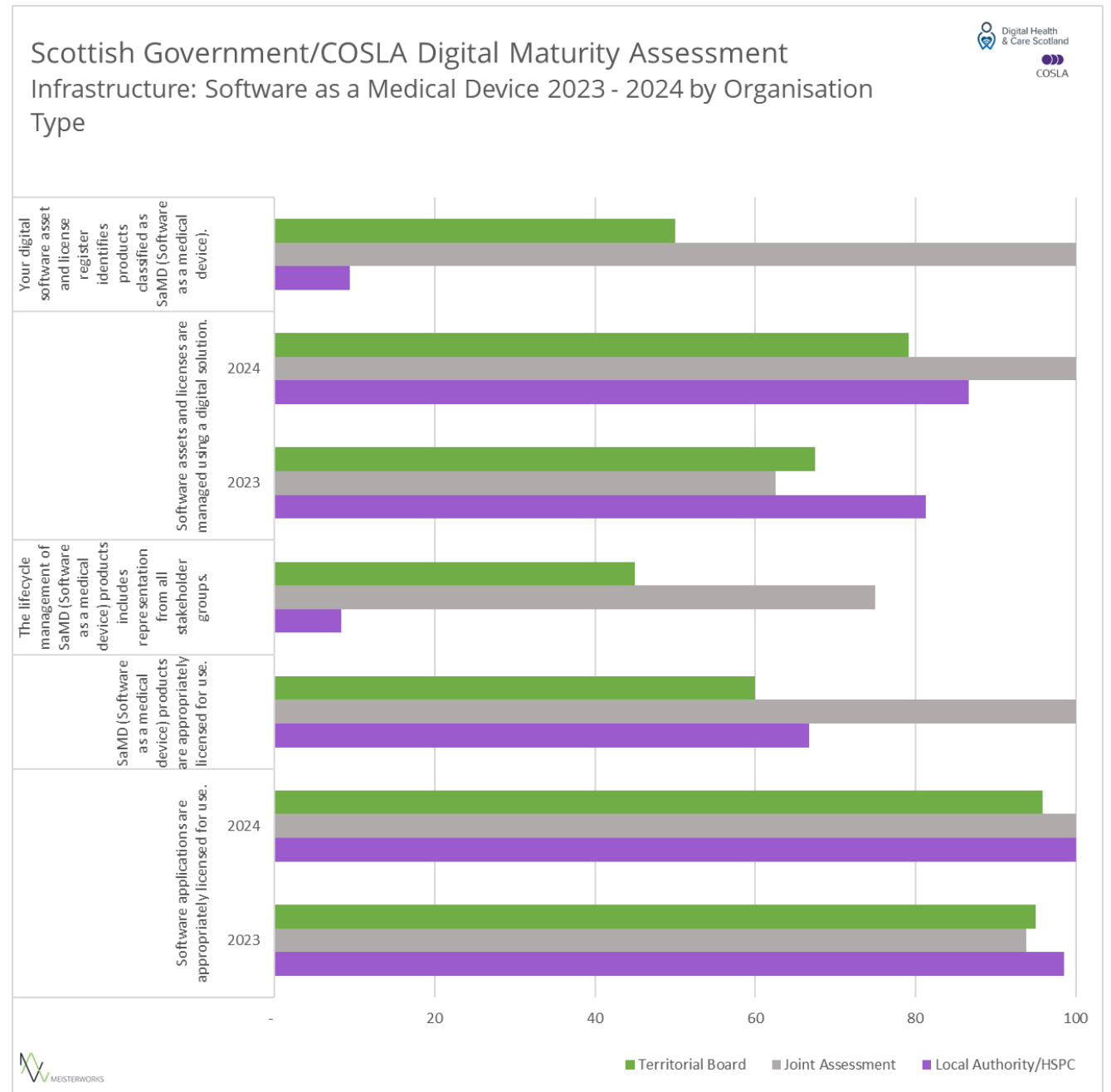
Scottish Government/COSLA Digital Maturity Assessment
Infrastructure: Software as a Medical Device 2023 - 2024 by Response



Software as a Medical Device - Infrastructure

LA/HSPC type organisation fared much worse on SaMD related questions than territorial boards and joint assessments

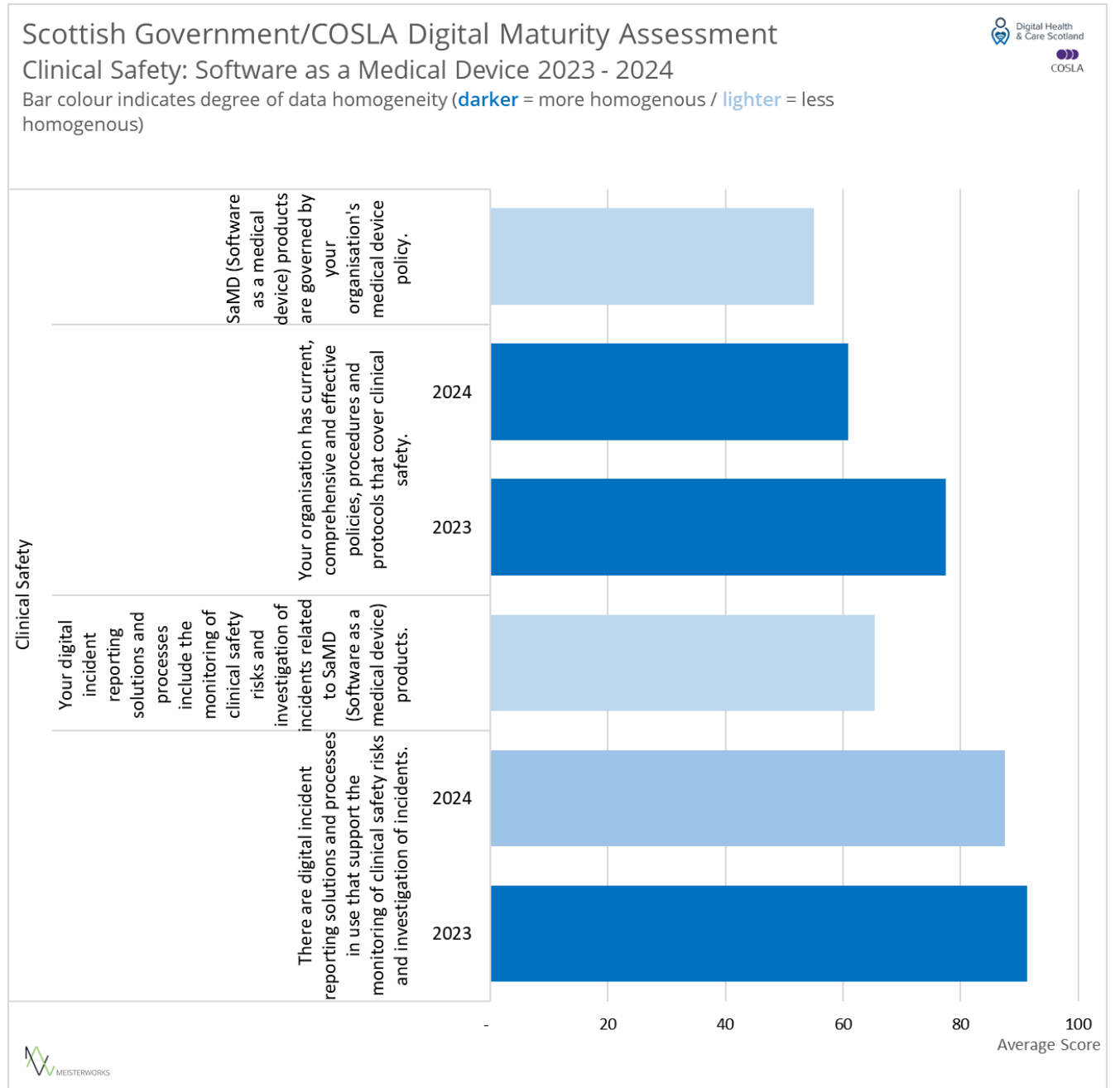
- Joint assessments completed by local NHS and LA/HSCPs collaboratively scored highest on average



Software as a Medical Device – Clinical Safety

SaMD were often included in policy frameworks and incident reporting processes

- For both policy inclusion and incident reporting, SaMD specific results trailed wider questions only moderately



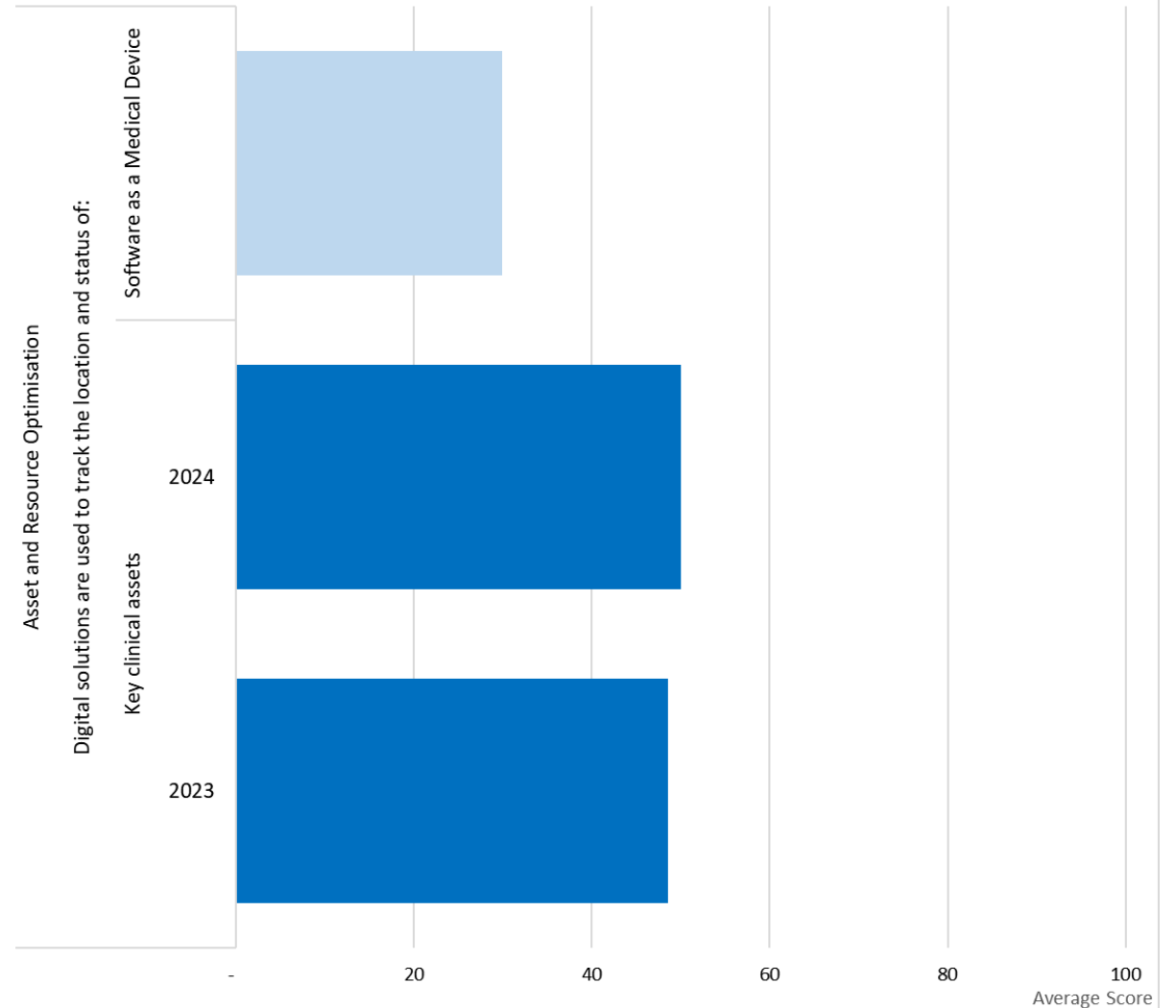
Software as a Medical Device – Asset & Resource Optimisation

Digital tracking of key assets is not a mature process yet

- It is also not a key process for many organisations, as illustrated by the lack of progress 2023 – 2024
- In this context, results for tracking SaMD specifically seem reasonably advanced



Scottish Government/COSLA Digital Maturity Assessment
Asset & Resource Optimisation: Software as a Medical Device 2023 - 2024
Bar colour indicates degree of data homogeneity (darker = more homogenous / lighter = less homogenous)



Key Takeaways

SaMD is a relatively new topic for many organisations within the Scottish health and care landscape

Conclusions

- SaMD product management is not necessarily as structured as management of other types of devices
- There is a higher-than-usual degree of organisational unawareness of processes and policies around SaMD
- LA/HSPC score lower than other types of organisations
- In terms of representation in policy framework and inclusion in incident reporting processes, SaMD score lower than other products, but only moderately

The current data represents the first time questions about SaMD have been included in the Digital Maturity Assessment



THANK YOU!





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