



Quick Start Guide to Sensor Data Integration: **Data Security**

Ensure compliance local laws and regulations, recognizing that there is no one single standard, nor single agency or regulation governing data privacy in healthcare

- Review cybersecurity regulators and regulations in the U.S. and Europe in [The Playbook: Digital Clinical Measures](#)
- Access standards pertaining to security and sensor generated data [here](#)

Expect security best practices to be built into each tier of a data architectures – the web tier, application tier, and data tier.

- Review DiMe Sensor Data Integrations cybersecurity reference data architecture

Apply security best practices at each step of the sensor data flow

- Apply security best practices at each step of the sensor data flow from [The Playbook: Digital Clinical Measures](#)

Manage security and privacy through reusable processes

- Access resources and checklist in the [US Digital Services Playbook](#)

Use a software bill of materials (SBOM) to reduce the security risk of including third-party connected sensor technologies in the healthcare data ecosystem

- Learn how SBOMs provide transparency into a medical technology's components, which can eventually reduce the feasibility of attacks [here](#)

Data Security



The practice of protecting sensor-generated data, and the systems that store and process these data, from unauthorized access, corruption, or theft throughout its entire lifecycle is an essential component of establishing sensor-generated data as a viable source of information to support clinical decision-making.

Deploy no-cost tools from the US Federal Cybersecurity and Infrastructure Security Agency (CISA) to support your security approaches

- Access CISA's [ransomware guide](#), [healthcare resources](#), [bad practices](#), [tabletop exercise package](#), [cybersecurity evaluation tool](#), and [cyber hygiene services](#).
- Sign up for [CISA alerts and bulletins](#)

See quick-start guides on other ART criteria



[Data Collection](#)



[Data Transmission](#)



[Data Processing](#)



[Data Privacy](#)



[Data Quality](#)