



REGIONAL OFFICE FOR THE Americas

IS4H TOOLKIT KNOWLEDGE CAPSULES

DATA GOVERNANCE IN PUBLIC HEALTH

DEPARTMENT OF EVIDENCE AND INTELLIGENCE FOR ACTION IN HEALTH PAHO/WHO

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Information Systems for Health Toolkit

Knowledge Capsules Understanding Data Governance in Public Health





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What is data governance and why is it important?

- Many countries are working to strengthen their capacity to use health information to inform policy, strategy, and operational and clinical decision-making.
- Despite the proliferation of data, many health organizations struggle to generate information that provides practical insights. Data governance is a management discipline that gives organizations control over their data and improves their capability to use data to generate quality information that can inform decision-making.
- Data governance prioritizes investments, establishes policy, protects data and information assets, and determines accountabilities and processes for managing data and information.

Data governance is a set of practices for making decisions about data and for managing data throughout its lifecycle to optimize the organization's capability to use data to generate information that informs policy, strategy, and operational management.

- Many health organizations recognize the importance of their data and information assets, but struggle to understand:
 - Who "owns" the data, and who can make decisions about data;
 - Where is data is stored and who can access it;
 - How to ensure data quality and interoperability;
 - How to protect data from threats such as inappropriate access and use, and;
 - What tools, resources, and skillsets are needed to manage and use data effectively.
- Data governance enables organizations to effectively manage, protect, maintain, and use data to generate information that improves health care quality, health outcomes, and health system performance.

What organizations should implement data governance?

- Any organization that collects, manages or uses health data should implement data governance practices. There are often many different organizations involved in the collection, management and use of health data. It is important that data governance structures and practices are aligned, and ideally integrated, across organizations with health data assets. An integrated and collaborative approach to information governance enables health organizations to effectively manage, maintain, and use data to improve health care quality and performance within and across organizational boundaries.
- In many countries, the Ministry of Health is best positioned to take on the national leadership role in establishing data governance within the health system. However, depending on the national context, other national agencies could also take on a leadership role.
- Whether or not the Ministry of Health takes on a national leadership role for data governance, as an
 organization that collects and uses health information for decision-making, it should establish its own
 data governance practices. Where applicable, the Ministry of Health should look to align its data
 governance practices with other key national stakeholders, such as the national statistics authority or the
 national vital statistics authority.

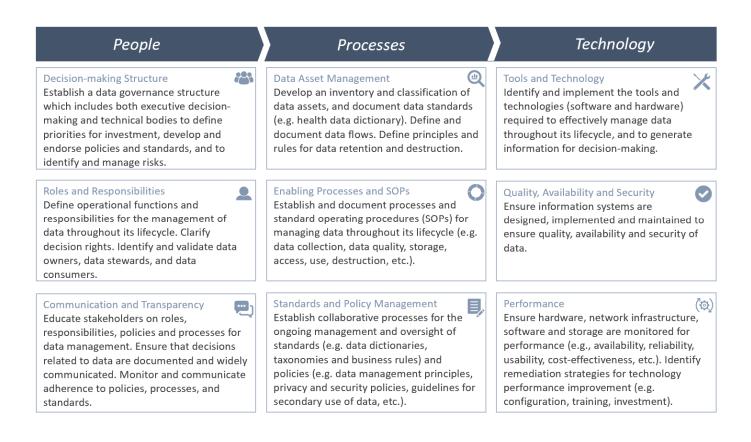
governance address?

 Data governance functions should include defining accountabilities, prioritizing investment requirements, establishing policies, implementing processes, setting standards, managing risks, and monitoring performance related to data throughout its lifecycle.



How is data governance implemented?

- Data governance is an organizational capability. Organizations should expect that it will take investments of both time and resources to implement and strengthen data governance. Data governance is a journey of continuous improvement.
- To plan, implement, and continuously improve data governance, organizations should consider people, processes and technology. The table below provides a high-level framework for planning and implementing data governance.



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Toolkit metadata

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Description	Knowledge Capsules are "rapid learning materials" in which we will provide health workers with knowledge, information and data on specific subjects, in a practical, dynamic and useful way. Each capsule is related to the IS4H technical elements. This knowledge capsule is about Artificial Intelligence and Public Health.
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