



AGENCE TECHNIQUE
DE L'INFORMATION
SUR L'HOSPITALISATION

TECHNICAL AGENCY
FOR INFORMATION
ON HOSPITAL CARE

Improving data quality by conducting systemic changes in the collection process

Perspectives from the French Technical Agency for Information on Hospital Care

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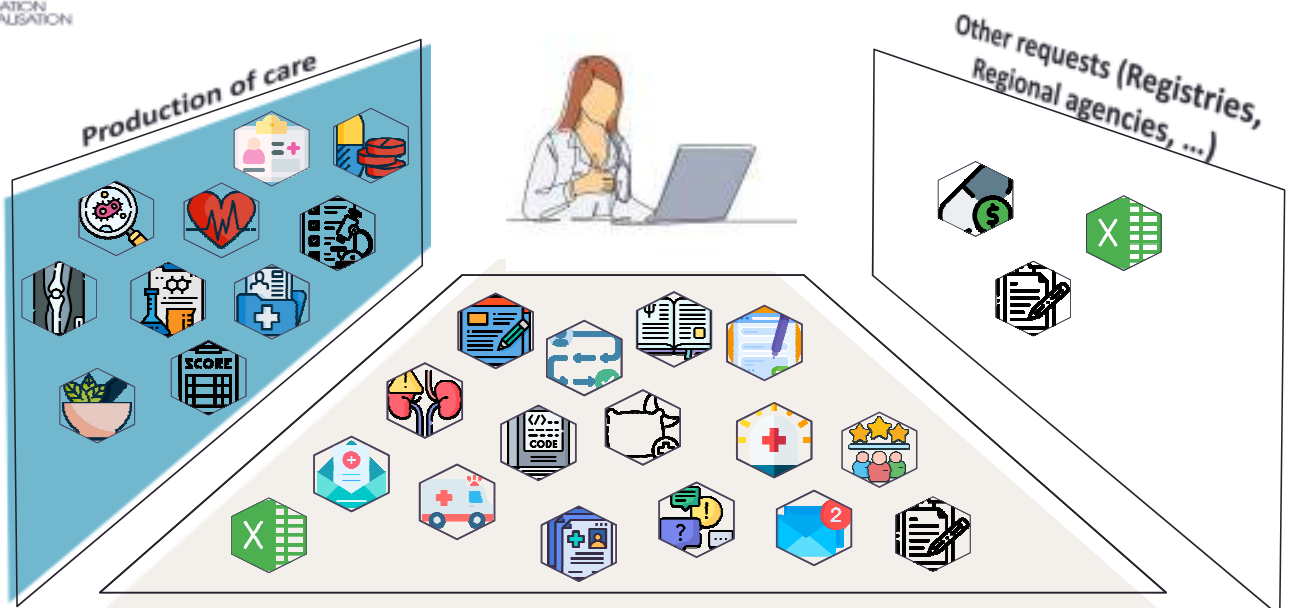


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Requests for Health Data vs. Hospitals Information Systems' capacity to produce them

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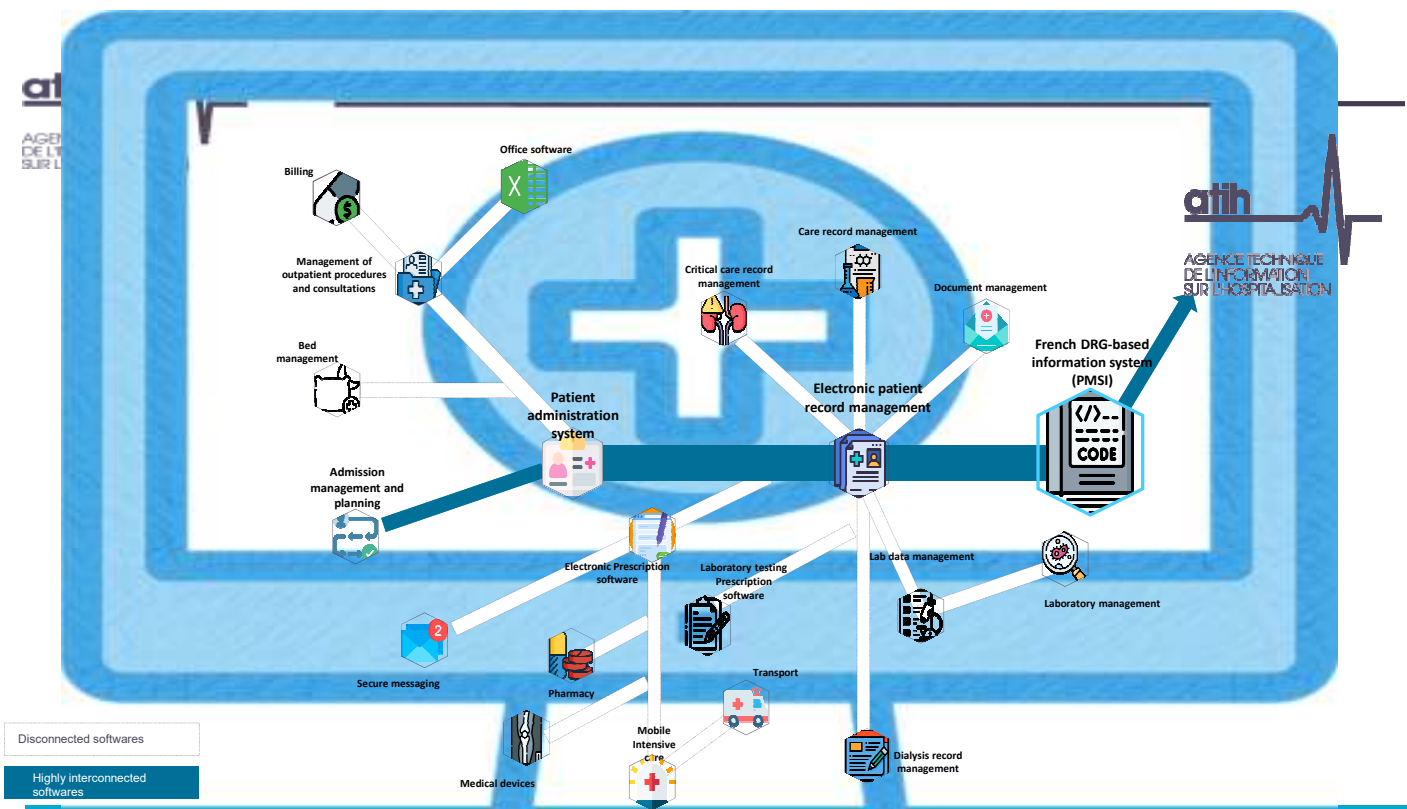
Health Data production is based on medico-administrative information provided by clinicians



French DRG-based information system (PMSI)

*selon les organisations

Entering health information involves using



Disconnected softwares
Highly interconnected softwares

How we conducted this work

2019-2021 : Initiating the state of the art

How can we characterize the difficulty of producing collections on the part of hospital facilities ?

How does the market work for software publishers involved in the production of health data collection ?

What directions can be proposed to improve the performance of the Healthcare Data production system in Hospitals ?

2021-2022

Proposals

- worked on by the project group : seminar and strategic committees
- and presented at the General Directorate for Healthcare Services at the Ministry of Health

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We conducted a threefold study using quali and quanti methods

Production process study

- Dozen semi-guided field interviews with medical information teams
- Quantitative online survey of 1427 healthcare institutions conducted in January 2022.

Software editors study

- Six guided interviews with the most established or innovative publishers of health information systems (HIS)
- Quantitative analysis of the French national database on HIS software companies implemented in hospitals.

International study

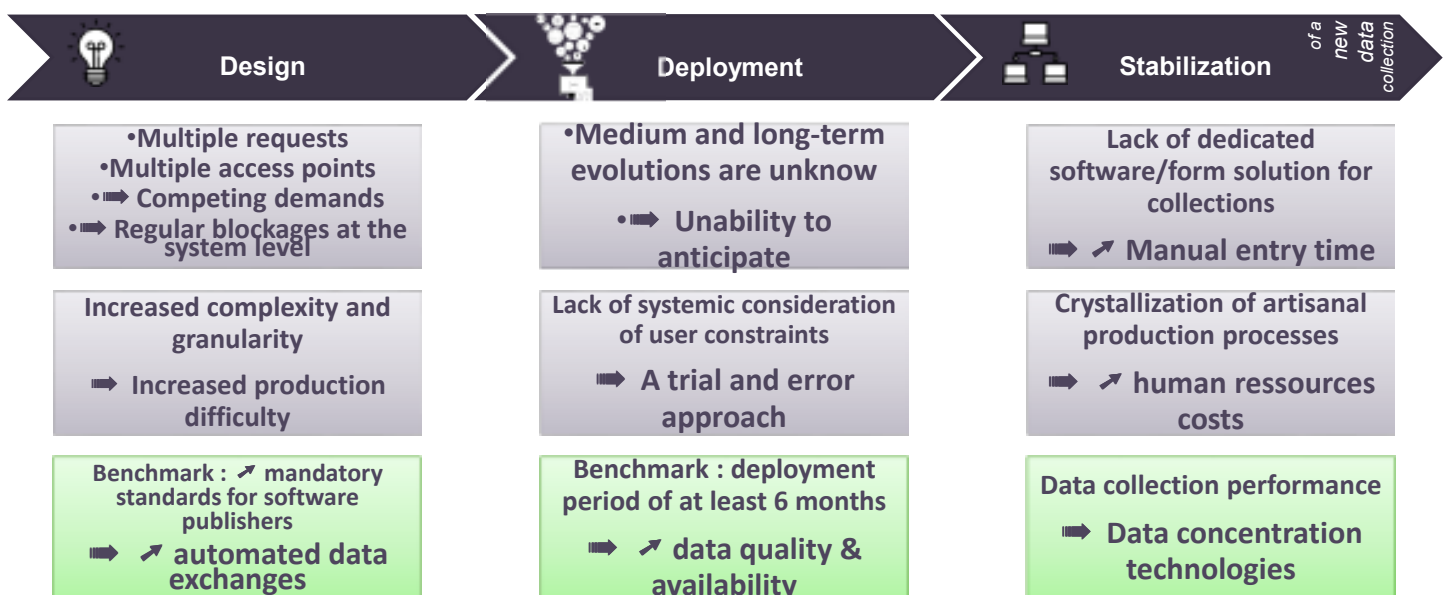
- 7 guided interviews with national and local organizations in three countries (Australia, Denmark, England).
- A report was provided and several cross-cutting workshops were organized at the ATIH to identify priority areas for action.

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Current status of the Hospital Healthcare data production systems in France

And short-term issues

In summary : dysfunctions at all levels of the process and some good practices



The hospital information system and the software publishers' market

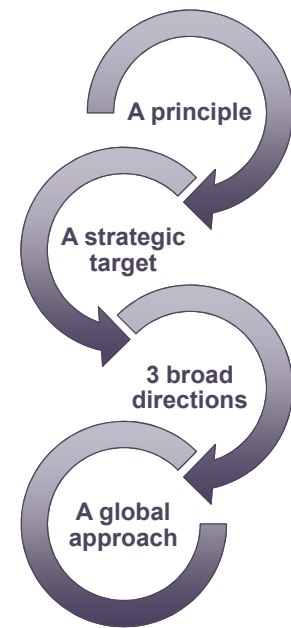
- A fragmented software publishers market
- A mosaic of publishers within the same institution
- On-premise implementation → local deployment of solutions, → complexity in managing versioning → compatibility issues
- Integration with the rest of the information system (IS) through a point-to-point approach in the absence of interoperability standards
- Multiple requests from different state agencies and a very short timeframe for implementation
- Permanent home-made solutions

The challenge arising for the French hospital discharge data collection in 2022

How can we continue to ask the Hospital for more medical information without any risk of blockage of the entire Hospital Health data production system ?

Data *serving* Health

Proposal to improve the efficiency of the health data production and collection system in hospitals



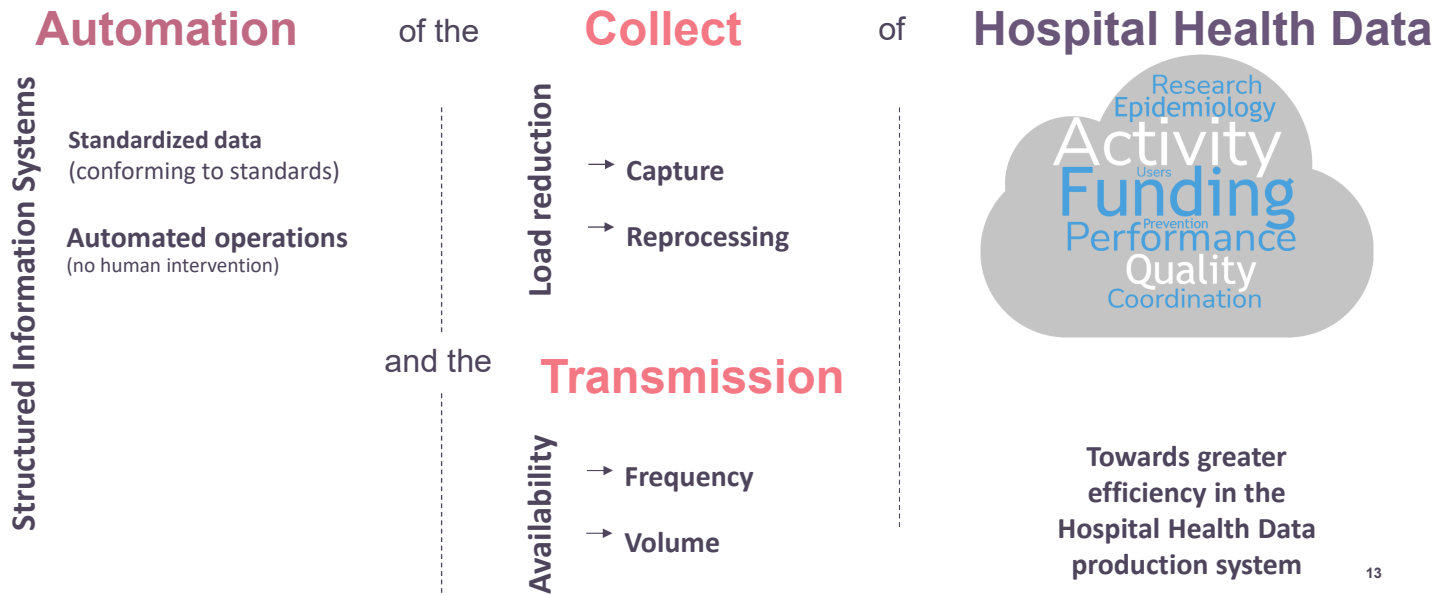
A principle

Information entered once for multiple uses

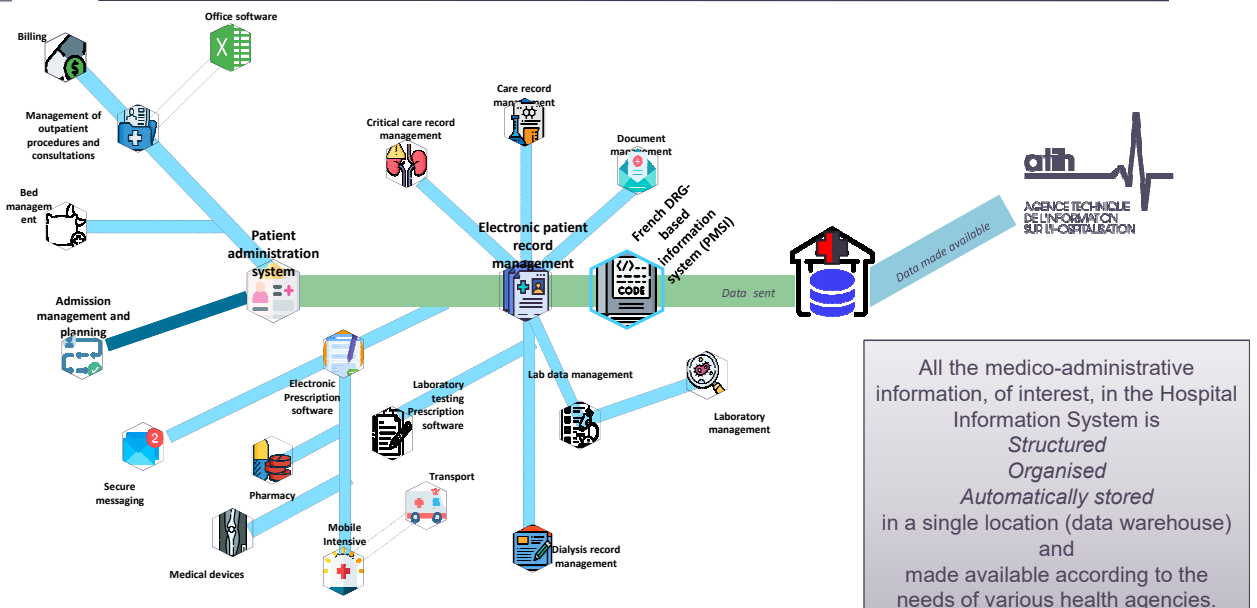


Massive reduction in the manual burden of collecting and entering information.

A strategic target (1)



A strategic target (2)

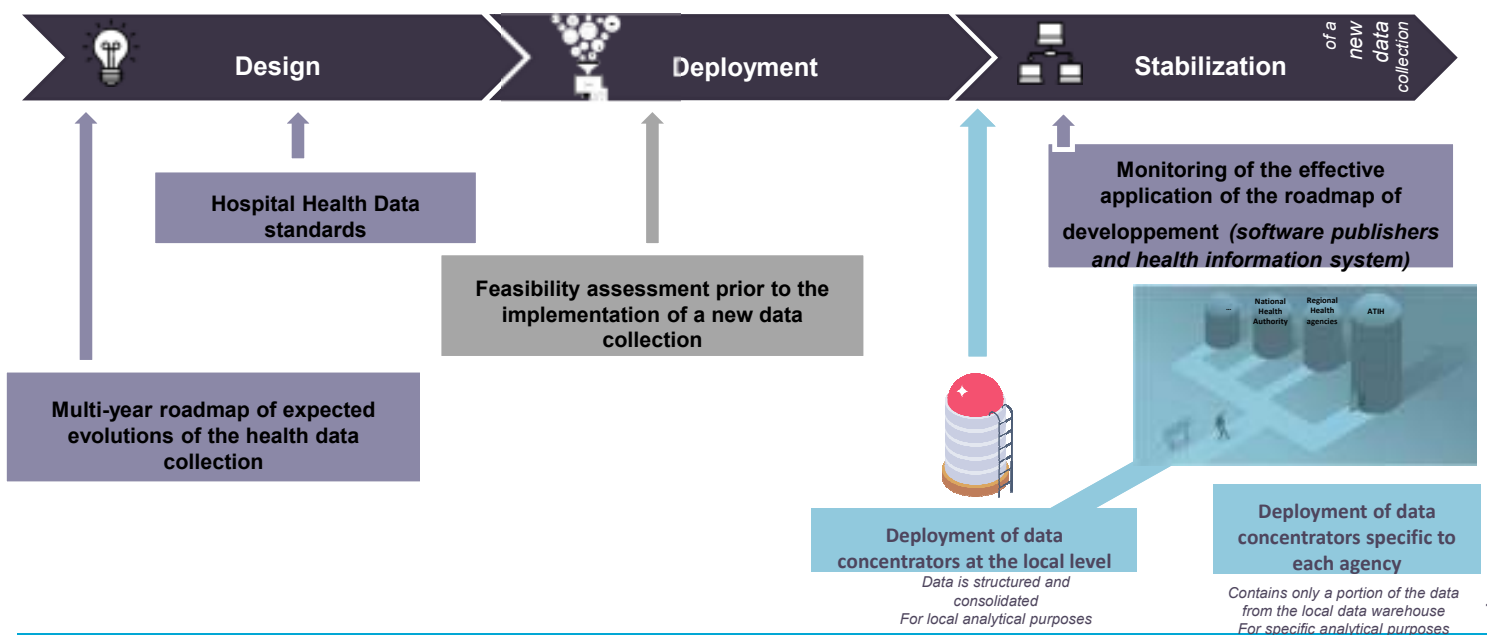


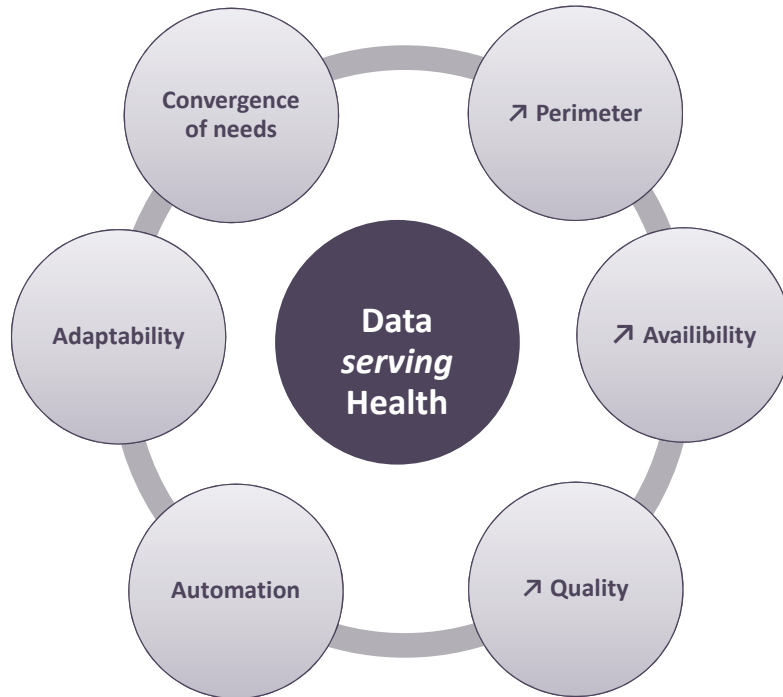


Three broad directions



An operational approach consisting of six main initiatives





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