Setting up the Luxembourg National Cancer Registry Data Flow - Lessons Learned

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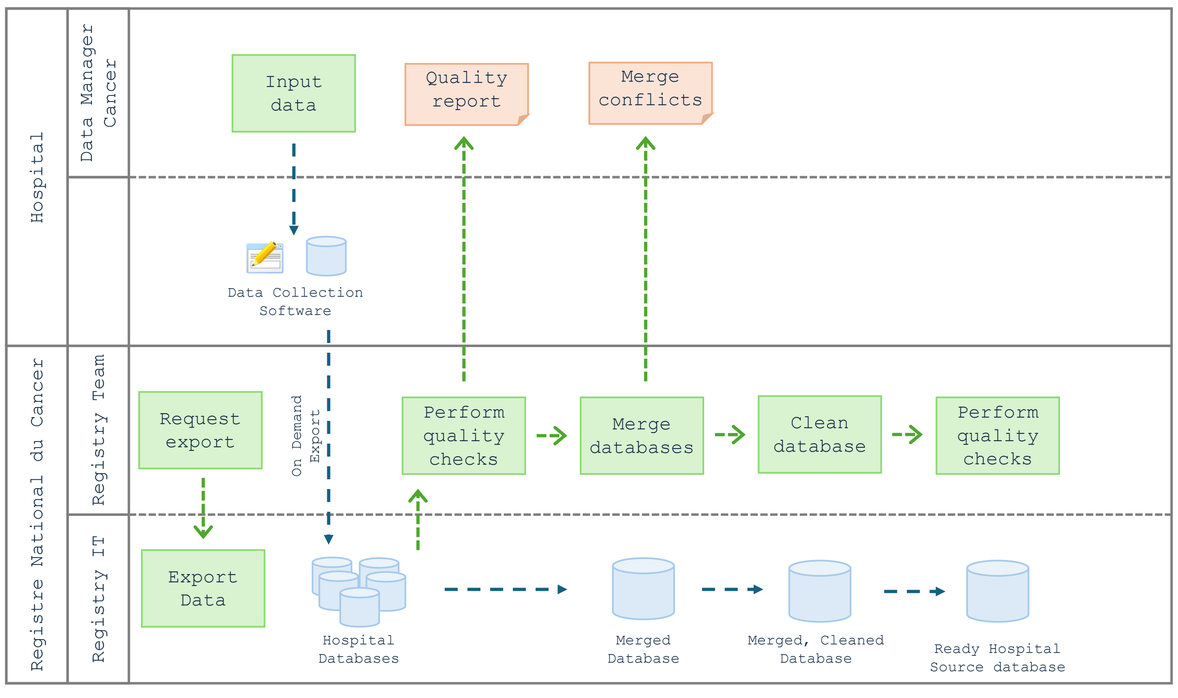
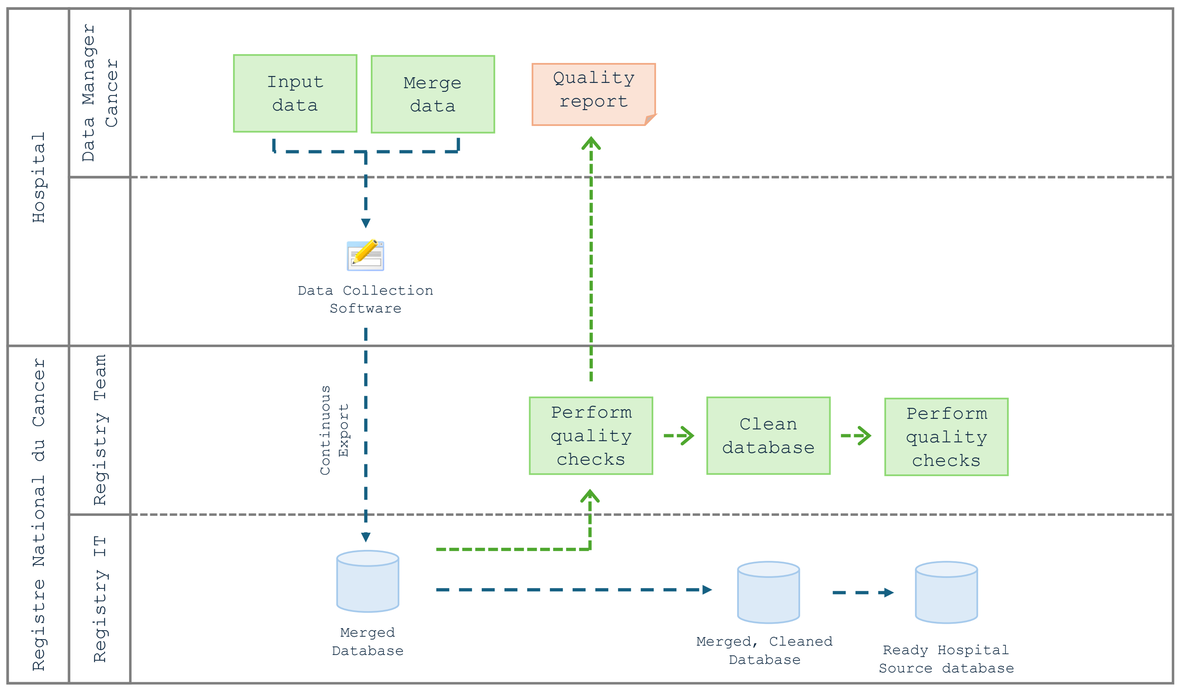
Previous Data Flow for Collection in Hospitals



Main Features

- Each data collection flow is **repeated** per source hospital
  - Patient data is scattered across sources, each trying to provide as much data as possible.
- Many **iterations** with exports and exchanges with sources to produce ready database
  - At every step, sources receive a report with questions and changes to apply.
- **Arbitrary** choices during **merging** by registry team
  - No access to source data to properly decide which values to use in case of differences between sources.

Improved Data Flow for Collection in Hospitals



Main Features

- Each source hospital **contributes** to the same database.
  - Patient data is combined and merged as soon as possible. Source do not need to provide data from a different hospital, only contribute with their own data.
- **Fewer** with **exports** and exchanges with sources to produce ready database.
  - Data quality checks are performed immediately on the merged database, removing intermediate, redundant validation.
- **No arbitrary** choices during **merging**.
  - Sources may communicate with each other to identify the relevant values for the registry.
- More **communication** between Data manager Cancer from the source hospitals.
  - New processes to ensure a more consistent data collection method across hospitals. More exchanges between sources, with possible moderation from registry team.

Context

- Registre National du Cancer has five source hospitals.
- Each hospitals employs their own Data Manager Cancer to collected data from their health record.
- Data Manager Cancer are trained continuously by the cancer registry.

Perspectives

- This poster presents the improvement done for the data collection process of the Registre National du Cancer.
- Hospitals have other internal data collection flows for similar datasets.
- The registry and hospitals might benefit from a common collection flow for these data elements.