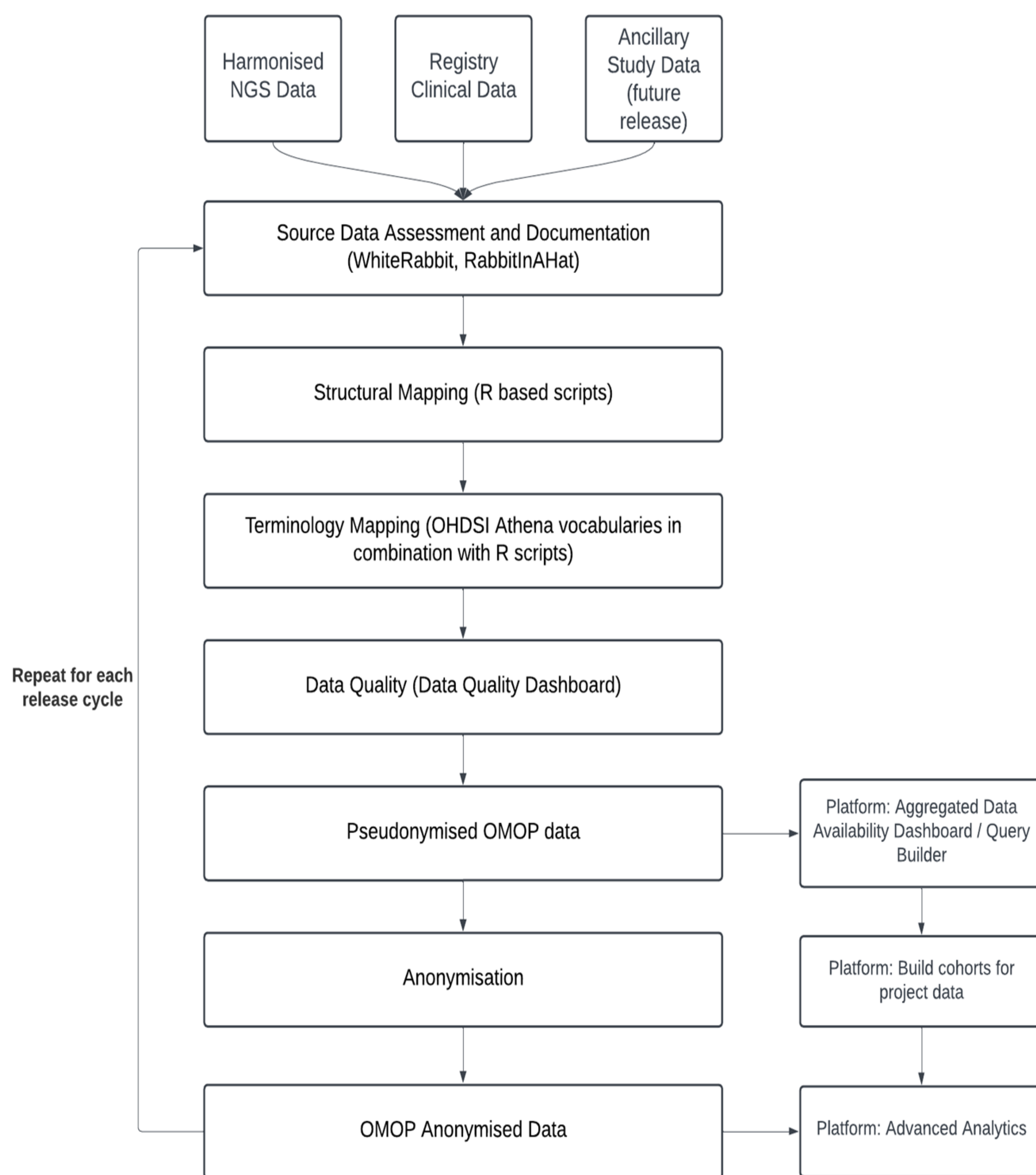


Empowering research requires seamless delivery of high quality data. The WAYFIND-R® platform enables automation and accelerates insights generation from primary data collection to research-ready data.

Title: Empowering research with seamless data flow and research-ready, anonymised data in OMOP CDM: Learnings from the design of WAYFIND-R, a global precision oncology registry and research platform

Background: WAYFIND-R is a global precision oncology registry (NCT04529122) and has the aim to advance science and provide the scientific community worldwide with access to real-world data, enabling epidemiological and clinical research, and collaborations across research groups. The WAYFIND-R® Data Sharing and Collaboration Platform enables researchers to access anonymised clinico-genomic data from the registry transformed to the OMOP CDM within a secure research environment.

Methods



Outcomes

- Researchers able to access quality OMOP anonymised aggregate and individual-level data from registry
- Automation of concept mapping simplifies review process on an ongoing basis
- Defined data quality processes allow for routine checking of data and actions for each data release cycle. For example queries raised within clinical database
- ETL automation ensures consistency and reproducible output
- Changes to the structure registry clinical database require ongoing assessments to determine impact to data and platform
- Implementation of cohort definition within platform

Opportunities for Collaboration

- Gene and biomarker ontologies
- Oncology extension
- Registry studies - our learnings

Acknowledgements:

We thank the patients and their families who take part in WAYFIND-R, as well as the staff, research coordinators, and investigators at each participating institution.

Tom Stone¹, Yuri Pyatkin², Ana Ferro¹, Dimitar Toshev²

¹ Roche Products Limited, Welwyn Garden City, UK; ² F. Hoffmann-La Roche Ltd, Basel, Switzerland

