

CHORDS Identity Management Fact Sheet

The CHORDS Network is originating a two-step process that securely removes duplicate individuals from distributed queries' prevalence estimates while maintaining its commitment to exchanging the minimum data necessary.

Why care about identity management in the CHORDS Network?

- Health care delivery and payment systems are fragmented.
- Patients increasingly seek care in multiple systems due to specialty referrals, job turnover, and insurance changes.

What principles guide this process?

- CHORDS exchanges the minimum data necessary.
- CHORDS operates with a federated, distributed model.

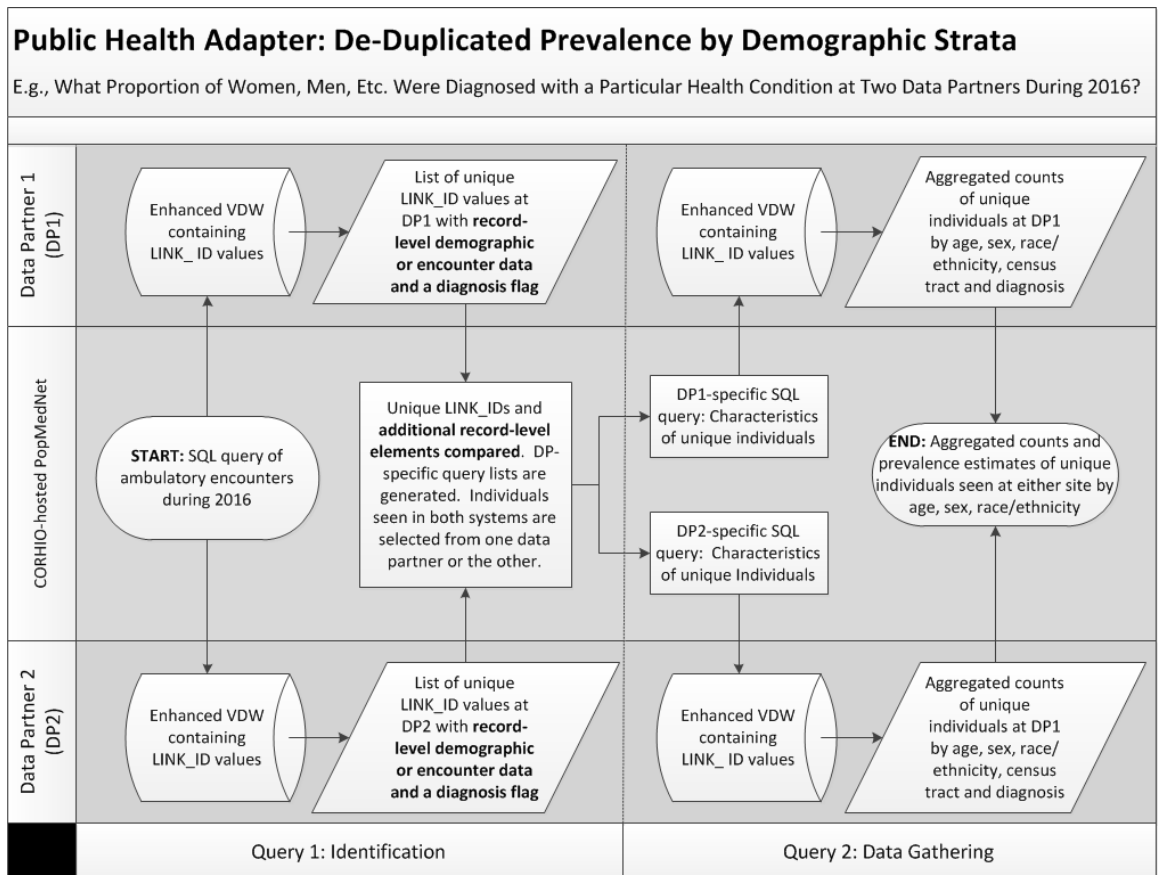
“Step Zero”: Setting the Stage

- Relevant infrastructure needs to be in place before prevalence estimates can be deduplicated.
- Data partners have updated their virtual data warehouses to create a table that will store LINK_IDs.
- Step Zero involves data partners working with CORHIO to assign LINK_IDs to their patients by exchanging record-level data outside the CHORDS Infrastructure through a secure FTP site.

Definitions:

- **Record linkage:** Identifying an individual who appears in multiple VDWs
- **Deduplication:** Using the record linkage process to ensure individuals are only counted once in a population estimate
- **Identity management:** All of the tasks and processes that make record linkage and deduplication possible
- **PERSON_ID:** An ID specific to a data partner's VDW
- **LINK_ID:** An ID assigned by CORHIO specific to the CHORDS network. This is not protected health information (PHI).

What is the CHORDS Two-Step Process?



Selecting Individuals for a Site-Specific Query:

1. If a patient is diagnosed at site 1, but not site 2, site 1 contributes data
2. If a patient is diagnosed (or not) at both sites, the site with the most recent visit contributes data
3. If a patient is diagnosed (or not) at both sites, and has identical recent visit dates, the site is randomly selected