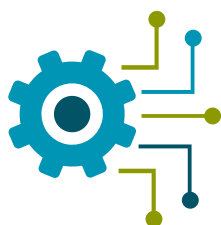




LINKING HEALTH DATA FOR ACTIONABLE INSIGHTS



In a landscape with rich data, complex needs, and limited resources, the most valuable insights rarely come from a single source. They emerge when information from multiple data sets is intentionally linked—bridging gaps that no standalone data set can fill.

HOW WE LINK DATA FOR IMPACT

Linking data can take many forms—from assigning de-identified codes to individuals, providers, and sites of service so records can be consistently retrieved across data sets, to developing enhanced data structures that apply business rules to weave together validated elements from multiple sources.

Our team applies data linkage principles to improve analytic value and usability through:

- **Building indexes and directories** of unique people and providers.
- **Developing business rules** to combine and enhance data, such as assigning demographic and geographic details or identifying outpatient visits across sources.
- **Implementing deterministic and probabilistic matching methods** based on each use case's requirements.
- **Enhancing and validating analytic outputs** using geographic, provider, and service groupings that inform state policy, resource planning, and benchmarking.

Every linkage effort is guided by HSRI's unwavering commitment to data governance, security, and responsible data use.

HUMAN SERVICES RESEARCH INSTITUTE (HSRI)

HSRI's Population Health Team combines deep expertise with innovative technology to deliver end-to-end data solutions that make complex health information easier to use. Through transparent processes and rigorous data quality standards, we collect and analyze data to create intuitive tools and visualizations that support informed decision making.

DECADES OF EXPERIENCE MANAGING + LINKING DATA

Effective data linkage requires technical precision, strong methods, and clear alignment with client priorities. We have applied these strategies in many linkage projects, including:

- Analyzing **hospital admissions and outpatient visits** across insurance claims and encounter data to improve accuracy in cost and utilization reporting.
- Linking **disease registry data** with claims and encounter data to generate insights into specific patient populations.
- Mapping **provider networks, locations, and services** by integrating APCD data, state-mandated health system reporting, and national provider registries.

Through these efforts, HSRI delivers enhanced data—ready for analysis—to improve understanding of care delivery, population needs, and system performance.

<https://www.hsri.org/>

LET'S PARTNER TOGETHER

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