Data Aggregation for SDoH Data

Building insights into the data that flows from health care organizations

The Challenge

- Ample unidentified and underutilized data.
- Valuable data on social care services from various clinical and social care providers need aggregation.
- The need to uniquely identify all data related to a given individual within each organization and across all organizations.
- Disparate and underutilized data can lead to an incomplete understanding of the data and inability to produce actionable insights.
- Organizations need a 360 degree view of the individual in order to inform targeted interventions to improve outcomes.
- To deliver tangible information, extensive human power is required to operate software and manually aggregate, store, and analyze SDoH data.

The Solution

- A tech enabled, people-driven solution.
- Digital Blue defines and architects a data-driven solution to create an SDoH Data Factory.
- Prioritized improvement opportunities within existing technology stacks result in architecture poised for growth while being a stable and straightforward technology.
- Architecture meets the urgent need to ingest non-standard data automatically into relational data stores.
- Data sources are continually added to the data factory, providing incremental but high-impact value to all parties.
- Data is aggregated across sources, enabling analytics to slice views at multiple levels, including organizations, individuals, geolocations, service types, and more.

The Benefits

- **Patient-level data currently in the data factory includes known diagnoses, health and economic risk factors, food challenges, housing insecurities, transportation challenges, and financial hardship information.**
- **This data helps improve individuals' and communities' health and wellness outcomes.**
- **Reduced costs for health plans and providers by ensuring the communities receive all the social assistance available.**

> **We saw the potential that by having that data, we could show the bigger 360 view of the person and in aggregate to be able to tell more of the story about needs, services, and impacts.**
>
> *Lynne Olney*
> *Healthy Alliance*

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Workflow

Ingestion of multiple file formats to be easily configured for any structured or semi structured format of data.

Scalable via cloud based infrastructure. Reporting based off of PowerBI to find business insights and key performance factors of all organizations supplying data.

All data is aggregated into a single data model to support standardized reporting.