BACKGROUND

HealthShare Exchange (HSX) covers more than five-million patients and serves 40-plus hospitals, as well as more than 9,000 practitioners, four payers, and multiple ACOs in the greater Delaware Valley.

The clinical data exchanged "in the real world" is messy:

Different EHRs produce non-standard C-CDAs

Values aren't in right units and interpretations omitted

Data entered / mapped to wrong sections in C-CDAs

Variation due to clinical practice and technology used

OBJECTIVES

- Leverage scalable technology to improve data quality

- Evaluate clinical data from new members and monitor for consistency in data quality

STRATEGY

Deploy Diameter Health's Fusion platform, and its Analyze data-quality tool, for testing when onboarding new members:

- Surveil incoming clinical data for semantic interoperability

- Logic testing

- Content validation and consistency

- Standardization of clinical document types for query by providers and payers

RESULTS

Surveillance put in place for all new members

Significant increase in onboarding productivity

Standardization of clinical document types that are provided to downstream entities from the HSX Clinical Data Repository

"Diameter Health's technology has enabled HSX
to revolutionize how we onboard new members."

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