



Cartographer

A rich healthcare analytics tool supporting Carta Healthcare’s broader ecosystem of products

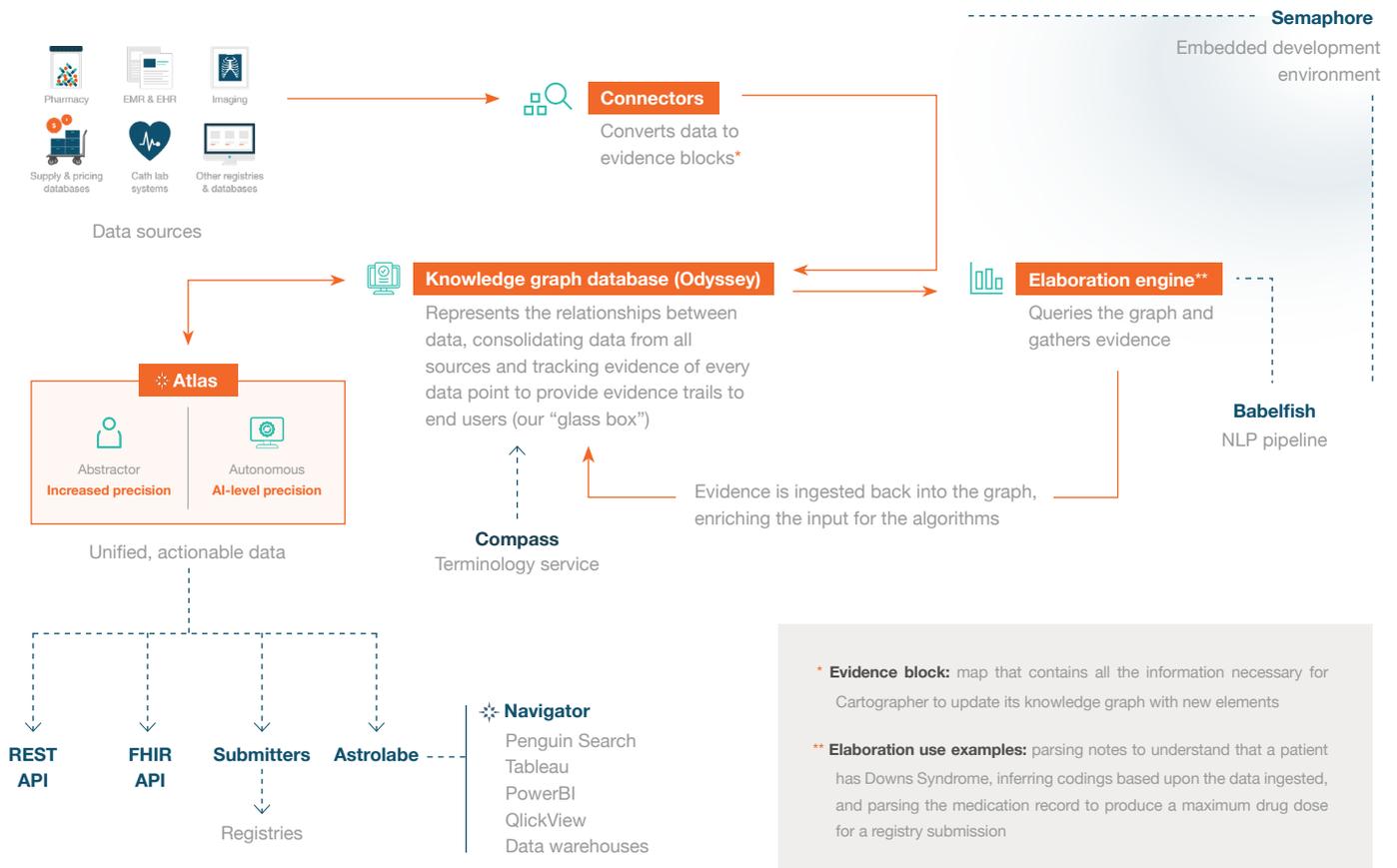
Patient data are often siloed across many systems, making it difficult to access, analyze, and use those data for quality initiatives, research programs, resource utilization models, and other healthcare organization initiatives. Carta Healthcare uses a combination of technology and people to bring your data within reach — in an immediately usable, structured format.



Technology

Using artificial intelligence (AI), our Cartographer analytics tool parses, organizes, and unifies data from various medical records to make those data actionable across numerous healthcare organization systems and programs, including Carta Healthcare’s Atlas and Navigator platforms.

Main components of Cartographer





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- Seamlessly integrates with multiple systems and vendors using the HL7 Fast Healthcare Interoperability Resources (FHIR) as a baseline to tell the patient's story.
- Uses a high-performance natural language processing (NLP) pipeline with query expansion to extract and combine unstructured data and structured data for a complete patient overview.
- Performs an exhaustive search of like incidents for a data point, comparing data sets and decisions made during previous care incidents.
- Using a list of medical record numbers (MRNs), the event pipeline searches the medical records' FHIR API for patients, Document Reference metadata, and all binary file attachments.

Underlying functionality

- Pre-existing ingest connectors for HL7 FHIR and many other standards
- Low-latency, streaming online analytical processing (OLAP) cubes
- Elastic search note indexing
- Scalable analytics using Kubernetes replica-based scaling
- Built-in data science environment (embedded Jupyter + IDE)

People

Carta Healthcare's team of specially trained healthcare data scientists and data engineers is available to help you use Cartographer to meet your specific data and implementation needs.

Looking for a solution to access the deepest recesses of your data and provide a complete patient overview that can fuel actionable insights for your teams?

**Begin your journey with
Carta Healthcare today.**

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