

IMAT Solutions: Advancing Healthcare through Data

Delivering results for customers across eight states, processing billions of records per year for more than 2,000 facilities, involving 18 million patients and 31,000 providers

As the volume and sources of digital patient data continues to explode, the need to make sense of this data in a timely, cost-efficient manner becomes paramount to medical professionals seeking insight into large patient populations in order to improve patient outcomes and participate in value-based incentive programs. The challenge is to capture, normalize and understand an accurate 360° view of each patient, no matter where the patient received services. Utah-based IMAT Solutions is a new, disruptive medical data management and decision support company that helps address the ever more complex and demanding needs of today's healthcare providers and practitioners.

Through its IMAT product suite, the company tackles challenges of managing, normalizing and querying huge data sets by providing clients with real time access to their data. With the implementation of IMAT, clients are able to manage their data through the five-step IMAT data ingestion process: Connect – Collect – Validate – Normalize – Index.

Why IMAT Solutions

IMAT Solutions has an edge over its competitors because of factors such as:

- The ability to intake and report

on structured as well as unstructured (physician notes, transcripts of patient visits) data contained in patient files.

- The ability to enable clients to define rules for normalizing data from multiple, disparate data sources, such as various electronic health records using file formats such as HL7, CCD/CCDA, CSV.
- Rapid indexing to enable new data to be accessible for reporting in real-time.
- Real time adhoc query and reporting across billions of records, without the need to pre-process that data before being used.
- Accuracy and speed of intake of patient records.

In performance and accuracy benchmarking, IMAT identified complex cohorts in 2 to 20 seconds across 2 billion records, which included 19 million patients from 20 data sources. Competing systems took 20 hours to execute the same queries. A key differentiation is that the IMAT system is high-performance throughout the process, from ingestion through analysis. For example, during a monitored ETL (extract, transform, and load) process, the IMAT system was able to take in 2,000 records per second, which included running 15 validation rules against each record, while running

on a single server. Once ingested into the system, all data is available for analysis via ad hoc queries or pre-built reports.

The IMAT Product Suite

The IMAT product suite was designed to solve the underlying issues preventing comprehensive improvements in data accessibility, analysis, and reporting experienced by healthcare organizations. The product suite is HIPAA-compliant, supporting customers across eight states, processing billions of records per year for more than 2,000 facilities, involving 18 million patients and 31,000 providers. It helps clients improve care, increase efficiency and decrease cost. It also addresses the challenge of managing, normalizing and querying huge data sets in real-time, enabling users to access structured and unstructured (physician's notes, transcripts) patient information. IMAT technology is not based on traditional relational databases or similar technologies. It is based on innovative search and indexing technologies covered under 11 patents. The company has designed its product to address the age of big data management, giving our clients a comprehensive tool to conduct adhoc queries, as well as access pre-built reports addressing such analysis as Quality Measures, Gaps in Care Reporting, Population



“IMAT is the only medical data management solution that enables healthcare professionals to interact with all of their data in real-time.”

Health Management and Care Coordination programs.

Clientele

The company's target territory for its clientele are ACOs, hospitals, clinics, HIEs, Medical Homes and any Healthcare organization seeking to identify and act on patient or population data – quickly and accurately. Some of its notable clients in each market are as listed below:

HIE market: Health Access San Antonio (HASA), TX; Delaware Health Information Network (DHIN), Dover; State Health Alliance for Records Exchange (SHARE), Little Rock, AR; Utah Health Information Network (UHIN), Salt Lake City and HEALTHeLINK, Buffalo, NY.

Medical Homes/Community service market: Community Care of North Carolina, Inc. (CCNC, Inc.)

ACO market: Bay Health, an integrated hospital network with an ACO, in Dover, Delaware

Clients Speak

“Working with IMAT has allowed HASA to really examine data completeness and enabled us to work with the organizations and community to ensure the data sent is the data needed. Through our collaborative efforts, we have seen improvements in our understanding of the data sent

to us by providers, and anticipate seeing employee productivity gains and improved system performance. Additionally, we see great value in being able to plot community trends in reporting for better patient population health management.” - Gijs Van Oort, President of Health Access San Antonio (HASA)

“Our goal is to bring actionable insights to the point-of-care, not just bring clinicians more data. Smarter data use has the potential to drive better and more efficient care, improving outcomes and reducing costs. IMAT is a state-of-the-art tool for getting the most out of our data and improving population health management.” - Frank Jackson, Chief Information Officer for Community Care of North Carolina, Inc. (CCNC)

Present and Future

Focus Areas

IMAT's current focus is to address the challenges facing its customers in the Healthcare market, such as their need to improve patient data management and real time reporting in support of better informed clinical treatment and patient care coordination. Moving forward, IMAT continues to work within Healthcare to support expanded areas such as patient self-report-

ing, and working with pharma data, billing and coding, and genomics data.

Get in touch:

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Knowing the Key Executive Kurt Garbe, CEO

Kurt is a seasoned executive, with deep experience in building companies that leverage strong underlying technology platforms to create market leading solutions. Prior to IMAT Solutions, Kurt served as a Vice President for Arvato Digital Services LLC, a division of Bertelsman. Additionally, he has served as Chief Executive Officer of SolutionSet, Inc., as an Entrepreneur in Residence for Adobe, and as an Executive Vice President for Field Operations for USWeb Corporation. Kurt also held positions with the consulting firms of Booz Allen and Hamilton, and Gemini Consulting, where he served in a VP role. Kurt holds an MBA with distinction from the Wharton Business School, an M.Eng. from Cornell and a BSEE from Clarkson University.



Kurt Garbe, CEO