



Summary

CUSTOMER

Traverse Health, a leader in real-world evidence (RWE) and data integration

CHALLENGE

Need for a secure, automated system capable of integrating and standardizing patient data from multiple hospital partners in real time, in order to drive actionable insights, while ensuring data compliance and reducing manual processes

OUTCOME

Deployment of InterSystems IRIS for Health™ to unify hospital data, enable federated research, real-time analysis and deliver refined insights for pharmaceutical and biotech industries, enabling them to unlock the full potential of health data

Traverse Health + InterSystems

Enabling Improved Patient Outcomes with Real-World Evidence

Founded in 2023, Traverse Health specializes in organizing and analyzing real-world data sourced from electronic health records (EHRs) to empower pharmaceutical and biotech companies, healthcare providers, and policymakers with the information required to enhance patient outcomes.

Before adopting InterSystems IRIS for Health, Traverse Health relied on a combination of OHDSI open-source tools and PostgreSQL databases to manage and standardize patient data. While functional, this setup required extensive customization, manual maintenance, and slowed onboarding processes for new hospital partners.

The introduction of InterSystems IRIS for Health—particularly following its approval as an OHDSI-compatible solution—marked a turning point. Traverse Health was able to integrate its entire data pipeline into a robust, off-the-shelf platform, enabling a more streamlined, scalable approach to data ingestion, OMOP transformation, and federated research. The ability to onboard new hospital partners with minimal configuration has significantly accelerated collaboration while maintaining compliance with privacy and data governance standards.

Without a more robust infrastructure, real-time analysis was impossible. Traverse Health needed a reliable solution that could automate much of the data integration, provide it with consistent data quality, and meet stringent privacy regulations worldwide.



“WE’RE THRILLED TO COLLABORATE WITH INTERSYSTEMS TO EXPAND OUR FEDERATED NETWORK AND PROVIDE HEALTHCARE PROVIDERS, RESEARCHERS, AND LIFE SCIENCES COMPANIES WITH THE SECURE INFRASTRUCTURE THEY NEED TO LEVERAGE REAL-WORLD DATA. BY BRINGING TOGETHER INSIGHTS FROM MULTIPLE REGIONS - INCLUDING MENA AND LATAM - WE AIM TO DRIVE TRULY IMPACTFUL RESEARCH THAT TRANSLATES INTO BETTER PATIENT OUTCOMES WORLDWIDE.”

*Alex Loley, CEO,
Traverse Health*

An equally pressing concern centered on safeguarding patient confidentiality and maintaining the trust of hospital partners. From the outset, Traverse Health has been committed to ensuring that hospitals retain full control over their data. All data operations are fully transparent, with rigorous governance protocols in place to guarantee that only IRB-approved analytics are shared with external parties. Furthermore, all data processed by Traverse Health is irrevocably anonymized, masked, and transformed in accordance with international privacy standards, ensuring that patient identities are never exposed or compromised. The company’s vision was clear: if it could build a seamless pipeline for integrating patient records and standardizing them for advanced analytics, it would empower hospitals and healthcare companies to conduct complex research studies without getting lost in the technicalities of data management.

Harnessing the power of IRIS for Health

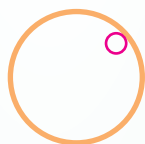
After evaluating multiple vendors and a range of technologies, Traverse Health found an ideal match in InterSystems, and its cloud data management solution, InterSystems IRIS for Health. InterSystems’ commitment to fostering a genuine partnership and an ecosystem of innovation and shared experience, shone through, as did its track record in maintaining high-performance data solutions.

Traverse Health was particularly attracted by InterSystems’ continuous progress in supporting frameworks and tools relevant to real-world evidence studies. The company’s IRIS for Health platform provided the secure backbone Traverse Health required, delivering automated data flows that seamlessly convert raw clinical records into standardized formats. Over and above this, InterSystems’ commitment to continuous development was evident in its work on OHDSI (Observational Health Data Sciences and Informatics) tools and automated OMOP (Observational Medical Outcomes Partnership) transformations both of which are central to Traverse’s business model.

At a broad level, the strategic partnership is aimed at creating a global federated network of hospitals that will adhere to strict data governance and ethical standards in conducting real-world evidence (RWE) research. As part of this agreement, InterSystems provides Traverse Health and its partner network with licensing opportunities for IRIS for Health, their development platform that provides all the building blocks needed to work with any healthcare data standard, including HL7® FHIR®.

This will facilitate efficient data integration, interoperability, and analytics, enabling researchers and healthcare providers to gain deeper insights from real-world data. The focus on the MENA region will help bridge gaps in healthcare research and innovation, providing critical support to a region with diverse healthcare challenges and needs.

At a more granular level, by integrating IRIS for Health, Traverse Health now helps hospitals feed structured, anonymized records into collaborative studies, thereby removing the overhead of manual data entry and collation. Rather than receiving large files that need sorting, hospitals and researchers benefit from a system that manages data



at scale with minimal human intervention. This approach also aligns perfectly with Traverse Health's collaborations with academic institutions, such as [Acibadem Medical University](#), where curated data sets foster innovation and support the publication of clinical studies.

Traverse Health's role in shaping these data-driven partnerships goes further than simply accepting a brief from a researcher. It actively works alongside hospital teams and ethics committees to ensure that each project meets regulatory standards while producing strong, evidence-based results.

Delivering value for hospitals and researchers

As The alliance between Traverse Health and InterSystems has refocused the energy of healthcare providers on what truly matters: finding practical insights to improve outcomes. By automating data exchange, Traverse Health has been able to concentrate on refining and analyzing information rather than grappling with technical barriers.

Hospitals gain an opportunity to streamline their workflows, reduce manual data errors, and ultimately expand their impact on patient care. As a result, these institutions often discover new ways to apply real-world evidence, whether it is informing clinical trial strategies, exploring different treatment pathways, or supporting value-based health initiatives.

Researchers working with Traverse Health now receive curated data sets that can be used for everything from drug development to post-market safety evaluations. Because the platform facilitates federated research, a single study can incorporate multiple hospitals across different regions, yielding broader perspectives.

The secure framework also assures hospitals that they remain in full control of their own data, thereby protecting patient privacy. Meanwhile, Traverse Health's customers in life sciences gain a steady flow of refined, actionable insights rather than raw, unverified information that would require weeks of further analysis.

This new environment of efficiency and collaboration has enabled Traverse Health to strengthen existing relationships and build fresh partnerships. From guiding institutions through data governance requirements to laying the groundwork for advanced research tools, both parties are committed to a shared vision of data-driven healthcare.

Looking ahead, Traverse Health plans to continue deepening its ties with hospitals worldwide, confident that InterSystems technology, and IRIS for Health in particular, will keep pace with the evolving needs of clinicians, regulatory bodies, and researchers alike. In doing so, they aim to widen the possibilities for RWE, leveraging data in ways that enrich patient care, accelerate scientific progress, and support a more cohesive global healthcare community.

“ AT INTERSYSTEMS, WE ARE FOCUSED ON ENABLING DATA-DRIVEN HEALTHCARE TRANSFORMATION. OUR PARTNERSHIP WITH TRAVERSE HEALTH EMBODIES THIS MISSION, AS OUR IRIS FOR HEALTH PLATFORM EMPOWERS A GLOBAL NETWORK OF HOSPITALS TO TAP INTO THE BENEFITS OF REAL-WORLD EVIDENCE, FOSTERING INNOVATIVE TREATMENTS AND MORE PERSONALIZED PATIENT CARE.”

Eyal Shuryan, Country Manager for Israel, Greece, and Turkey at InterSystems



Learn more

To learn more about InterSystems IRIS for Health, visit InterSystems.com/products/intersystems-iris-for-health

For more about our role and offerings in healthcare, visit InterSystems.com/industries/healthcare-technology

To learn more about Traverse visit: <https://traverse.health>

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