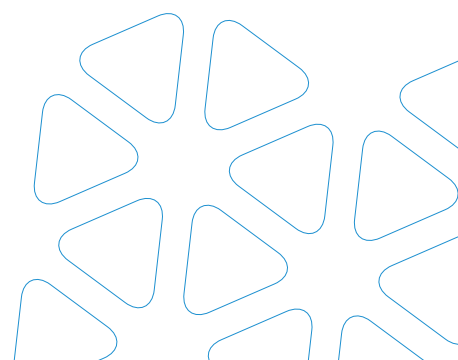




Visualizing Healthy Data

A STORY OF OWNING CHANGE





Regenstrief Institute prioritizes data modernization to drive innovative clinical insights.

As a national and global leader in innovative healthcare research, [Regenstrief Institute](#) is dedicated to a world where better information empowers people to end disease and realize true health.

THE CHALLENGE:

A rapid response on various fronts

In a national effort to securely gather and exchange data on the COVID-19 pandemic, Regenstrief Institute was selected by the National Institutes of Health (NIH) to serve as the Linkage Honest Broker (LHB) of the National COVID Cohort Collaborative (N3C)—helping scientists understand the outbreak and develop treatments to stop COVID-19.

In a separate but parallel effort, Regenstrief Institute embarked on an ambitious project to create multiple real-time dashboards to model data about the pandemic, while making it accessible and understandable to public health officials, policy makers and the general public. The goal? Provide the tools needed to track COVID-19 illnesses, hospitalizations and deaths.

Regenstrief sought a partner to assist them with these data efforts—allowing Regenstrief informaticians to focus on what’s important: developing the core LHB services critical to gaining a better understanding of the pandemic. Enter TEKsystems.

OUR SOLUTION:

Purposeful support

Steeped in the healthcare industry, with a proven record in [data analytics and insights](#), expertise in Tableau, and most importantly, devotion to data accuracy, TEKsystems assisted Regenstrief in its critical role of LHB for the N3C by providing a sample volumetric data model.

Data can only be as useful as the accessibility, visualization, modeling, and governance that’s behind it. As a [Tableau Strategic Alliance partner](#), we performed an analysis of Regenstrief Institute’s Tableau environment, their current data architecture, and their data collection processes. A year after the dashboards were launched, we provided

recommendations to Regenstrief informaticians as new capabilities were added to the dashboards.

We quickly delivered the technical skills and experience needed to support sophisticated data visualizations for the dashboards while Regenstrief Data Services (RDS) directed its resources to data ingestion, analysis and the development of innovative solutions.

TEKsystems leveraged its partnership with Talend to provide Regenstrief with a roadmap for recommended future data ingestion. We also worked with the Institute’s public relations team to ensure successful Tableau implementation of the Regenstrief brand.

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TEKsystems provided valuable and timely technical assistance, helping to ensure that critical Regenstrief initiatives such as the N3C Linkage Honest Broker are successful.”

~ Dr. Peter Embi
Former CEO, Regenstrief Institute

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POWERFUL PARTNERSHIP:

Data-driven care

Side-by-side, TEKsystems and Regenstrief Institute addressed the challenges of securely assembling patient-level data that is traditionally fragmented and difficult to use across large-scale clinical research efforts.

Our partnership enabled a modernized data platform to rapidly drive groundbreaking clinical analytics insights, dashboards and reporting in the face of dynamic change and uncertainty. Our newly stabilized and streamlined dashboard helped to augment official COVID-19 health data and provide support to public health professionals, health systems and other partners.

“TEKsystems was honored to assist the Regenstrief Institute to optimize their data environment and drive innovation around analytics and insights leveraging the Linkage Honest Broker to support researchers,” says Randy Fusco, chief technology officer for healthcare at TEKsystems. “Regenstrief’s vision is to seamlessly share information globally to enable improved patient outcomes and more targeted healthcare services. The world-class research and algorithms developed by this organization will enable better clinical decision making.”

~ Randy Fusco, CTO Healthcare Services, TEKsystems

Real-World Results

Partners with a purpose. Since our collaboration, Regenstrief Institute has delivered a rapid response to the demand for harvesting, integrating, analyzing and visualizing data to improve understanding of the impact of COVID-19 by quickly providing technical skills and experience. This has allowed for Regenstrief Data Services to simultaneously support both pandemic-related and other critical workstreams. Included were functions such as Indiana Addiction Commons (IADC), Linkage Honest Broker (LHB) and COVID-19 Research Data Commons (CoRDaCo).

Since our technical support began, the COVID-19 dashboard has seen reduced time to delivery and a 300% decrease in load time from ~20 seconds to ~5 seconds the COVID-19 trends, tracker and hospitalization public dashboards.

7
new dashboards

~300%
decrease in COVID-19
dashboard load time

“TEKsystems provided assistance in several areas including data engineering, integration and modernizing our Tableau dashboards in support of COVID-related analytics.”

~ Dr. Umberto Tachinardi, Interim CEO, Regenstrief Institute

“TEKsystems worked on four distinct (and mutually exclusive) workstreams in parallel and delivered work products for each workstream. If it wasn’t for TEKsystems, we would not have had the capacity and data visualization experience to be able to successfully complete these four workstreams in parallel.”

~ Tony French, Director of Technical Services, Regenstrief Institute

About TEKsystems and TEKsystems Global Services

We’re TEKsystems. We accelerate business transformation for our customers. We bring real-world expertise to solve complex technology, business and talent challenges—across the globe. We’re a team of 80,000 strong, working with over 6,000 customers, including 80% of the Fortune 500 across North America, Europe and Asia, who partner with us for our scale, full-stack capabilities and speed. We’re strategic thinkers, hands-on collaborators, helping customers capitalize on change. We’re building tomorrow by delivering business outcomes and driving positive impacts in our global communities. TEKsystems is an Allegis Group company.

Learn more at [TEKsystems.com](https://www.teksystems.com).