# Lakehouse Platform in 45 Days – Healthcare Provider Company

- ## Problem

  A medical provider with an established Databricks landscape faced challenges in overall collaboration and integrated datasets from various health systems like EPIC, IQVIA, and Definitive Healthcare. The use-cases ranged from healthcare operations to medical research within cardiology and other disciplines. The institution required the ability to perform DNA analysis, geospatial analytics, and more collaborative data analytics across various fields.

- ## Solution

  Spyglass introduced their Databricks Lakehouse Platform accelerated fundamentals to refine the provider's approach and improve collaboration. Spyglass aimed to establish a more efficient data mesh framework across the institution. This included the integration of datasets from EPIC, IQVIA, and Definitive Healthcare while partnering across Databricks and Fabric to delivery data for reporting. The objective was to foster greater collaboration among healthcare professionals and researchers.

- ## Benefits

  - **Enhanced Data Integration:** The integration of datasets from various health systems led to more comprehensive and accurate analyses.
  - **Improved Collaboration:** The establishment of a data mesh framework fostered better collaboration across different healthcare disciplines, including cardiology and medical research.
  - **Efficient Use of Resources:** Spyglass's refined approach resulted in significant cost savings and reduced time for development.
  - **Advanced Analytics Capabilities:** The provider was able to perform complex analyses such as DNA analysis and geospatial analytics, driving innovation in healthcare and medical research.
  - **Optimized Operations:** Automation and improved data management practices led to enhanced healthcare operations.

  This case study highlights how Spyglass's deployment of the Databricks Lakehouse Platform facilitated a more collaborative and efficient data environment, empowering the medical provider to leverage advanced analytics for improved healthcare outcomes.

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