Liberty health
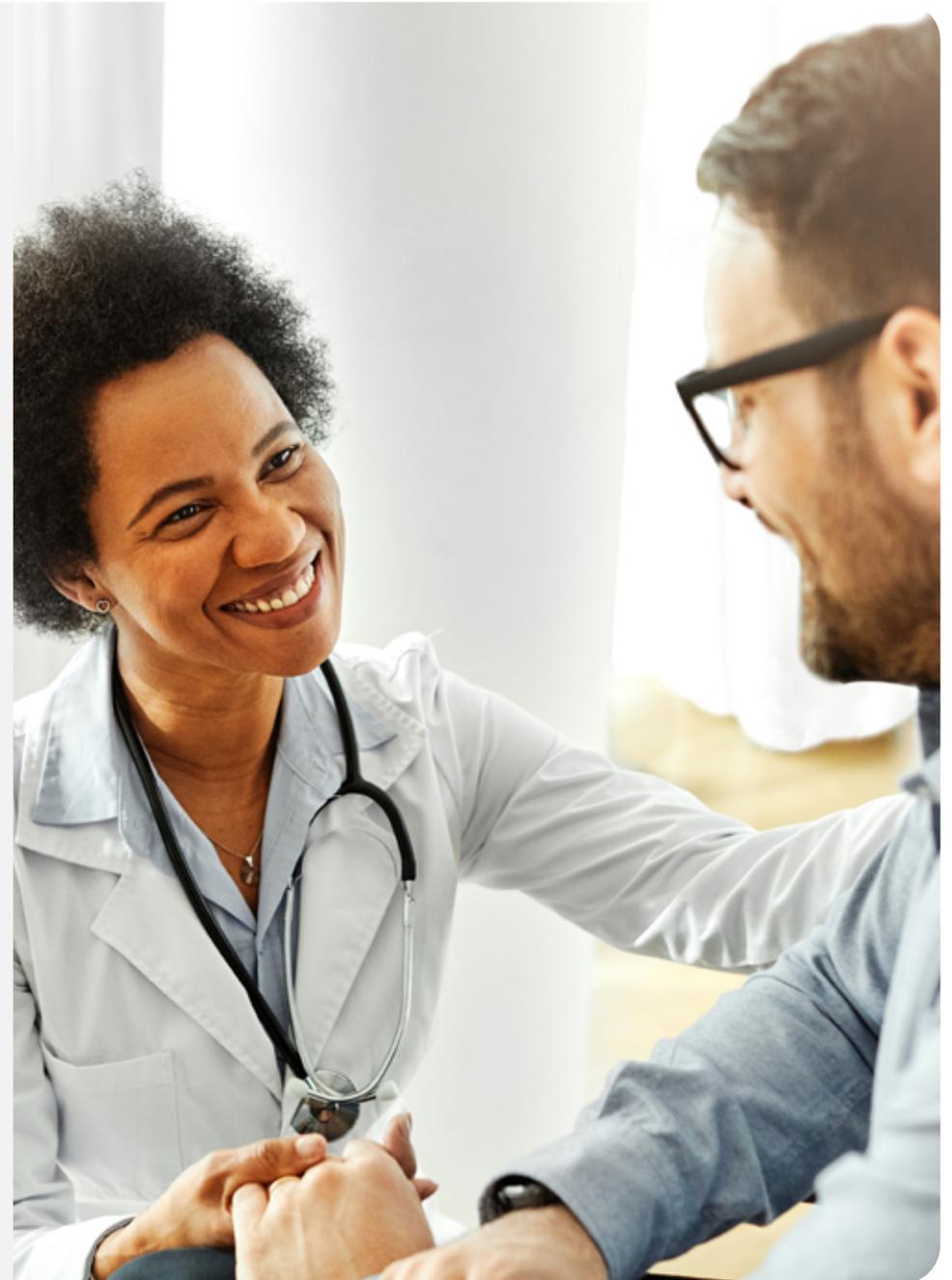
With Sensedia's Support, Liberty Health **Impacts Over 7 Million Lives** via Integrated Data Network in the Public Health System

sensedia

Specializing in the development of hospital management systems and digital health platforms, **Liberty Health** began its partnership with **Sensedia** in 2024. The company's challenge was to collaborate with the **São Paulo Department of Health** to create an integrated data network for the **SUS** (Brazil's Unified Health System) within the state capital.

Following the model of the **RNDS** (National Health Data Network), the project focused on **interoperability** and **data standardization**. The goal was to enable seamless data flow across various facilities: Basic Health Units (UBS), Emergency Care Units (UPA), polyclinics, hospitals, maternity wards, Psychosocial Care Centers (CAPS), and Occupational Health Reference Centers (CEREST).

The initial scenario was defined by a lack of integration among the wide array of systems (such as electronic health records and billing) used by different institutions, each maintaining its own isolated database. This resulted in information silos, making real-time patient data consultation impossible and creating significant hurdles for consolidating and extracting health indicators.

Integrations with Visibility and Security

Sensedia's **API Management** solution enables integrations across all health units. This spans from sending medical encounter data for security and validation stages to sharing it within the ecosystem and consolidating patient histories across the public network.

Ensuring the **security of patient data** has always been a priority in building and consolidating this integrated network, leading Liberty Health to quickly identify the importance of bringing **visibility to integrations** through factors such as logs, audits, and transparency.
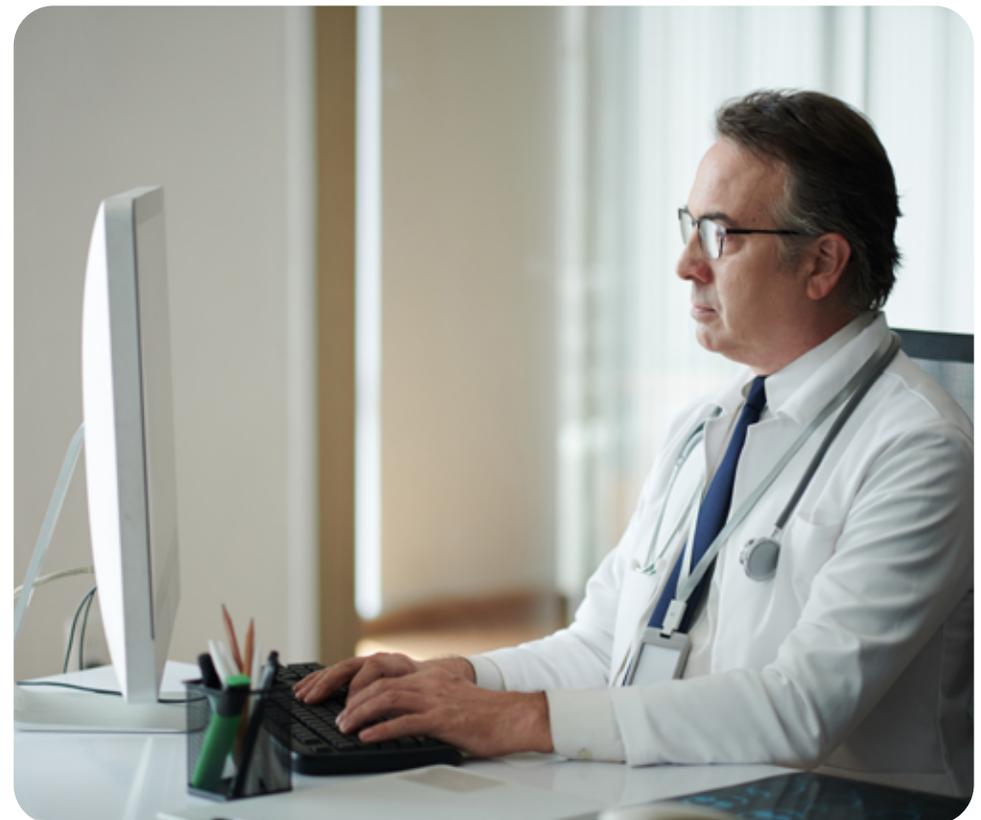

"APIs guarantee security right from the point of data entry. They offer more development options, are less prone to failure, and are highly reusable, reducing the need to build new resources from scratch.".

Marcelo Biangulo
Chief Data Officer at
Liberty Health

The initiative utilizes the **HL7 FHIR** standard—an international protocol validated in Brazil by the Ministry of Health for representing and exchanging medical information via APIs—for which **Sensedia is certified**. According to Biangulo, this choice ensures "a reliable, interoperable, and technically robust framework for recording diagnoses and health data."

Millions of Lives Impacted by Enhanced Journeys

Today, data flows through the following integrated steps:

1 After medical care, the data is shared with participating units and undergoes Individual Taxpayer Registry (CPF, in Portuguese) validation and analytical matching.

2 This data is forwarded to the São Paulo Department of Health for security and regulatory validation.

3 Patient data and history within the public network are made accessible to healthcare professionals.

This means that information such as consultation history and exam results can be accessed by any unit within the system.

According to **Henrique Nixon, Chief Strategy Officer at Liberty Health**, the result is personalized care, faster clinical decision-making, and better facility management, keeping the patient at the center of the experience and in control of their data.

To date, the project has impacted over **7 million SUS users** in the city of São Paulo, integrating more than **370 public health facilities** and generating an **R$ 872 million increase in billing** for the São Paulo Department of Health via the SUS.

> **"** Sensedia's platform concentrates everything we need in one place, facilitating deployment, auditing, and troubleshooting. Workflows that previously took weeks—such as testing and launching APIs—are now completed in one or two days. This is a project that would normally **take 8 months** to implement. Thanks to Sensedia, we simplified the complexity of interoperability and achieved it in about **two weeks**," celebrates Biangulo.

How AI Copilot is Boosting Liberty Health's APIs

Regarding the artificial intelligence embedded in Sensedia's platform, the **AI Copilot**, Liberty Health is already seeing visible productivity gains. *"This tool provides a fast learning curve. Junior-level professionals, for example, are able to produce more complex APIs with Copilot's support, increasing their engagement and accelerating our initiatives,"* says Biangulo.

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