

## CASE STUDY

**Automating data sharing with Health Agencies, Insurance Companies, Pharmaceuticals and Other Providers significantly improves Swope health efficiency and accuracy allowing for better care coordination, faster diagnoses, and more personalized treatment plans.**

Swope Health works to improve the well-being of individuals and families by delivering quality, comprehensive physical and behavioral healthcare services. Swope Health serves more than 50,000 patients, with 9 different Service Lines and 26 physical locations.

## CHALLENGES

As a multi-specialty healthcare facility with a diverse range of services, Swope Health faced a significant hurdle in data sharing. Exchanging vital patient information, including claims, diagnostics, medication, and clinical data, with other healthcare organizations involved a cumbersome manual data generation process. This time-consuming method relied on:

- Identifying data required by each health care organization
- Manual extraction of data from the EMR Systems
- Manual data exchange processes

These challenges resulted in several problems including

- **Delayed care coordination:** The slowness of data exchange hindered timely communication and collaboration between healthcare providers, potentially impacting patient care continuity.
- **Reduced staff productivity:** Staff wasted valuable time on data transfer tasks, diverting their focus from direct patient care activities.
- **Inconsistent:** With different staff taking on the extraction and sharing processes, data interpretation and formatting would sometime be different leading to inconsistencies.
- **Scalability:** As data volume and requests increased, keeping up with the schedule became increasingly difficult and impractical.
- **Security Concerns:** Manual handling of sensitive data during extraction increases the risk of unauthorized access.

## SOLUTION

Recognizing the limitations of manual data extraction, Swope Health partnered with Armely, a leading provider of automated business solutions. Together, we embarked on a mission to streamline data sharing and address the challenges outlined above.

Armely's expertise in automation and data integration offered the perfect solution for Swope Health. By implementing a robust automated business solution, Swope Health aimed to:

1. **Eliminate manual effort:** Automate the extraction of patient data from various sources, including claims systems, electronic health records (EHRs), and other healthcare information systems.

2. **Enhance data accuracy:** Reduce the risk of errors by eliminating manual data entry and relying on automated data capture and validation techniques.
3. **Improve data consistency:** Ensure consistent extraction rules and formatting are applied across all data sources, leading to a more cohesive and reliable dataset.
4. **Increase scalability:** The automated solution could seamlessly handle growing data volumes, ensuring efficient data exchange regardless of data size.
5. **Boost staff productivity:** Free up valuable staff time from tedious data extraction tasks, allowing them to focus on higher-value activities like patient care and analysis.
6. **Enhance data security:** Leverage robust security features within the automated solution to ensure patient data privacy and compliance with HIPAA regulations.
7. **Increased employee satisfaction:** Replacing tedious manual tasks with automation improved employee morale and overall job satisfaction.

## BENEFITS

### Enhanced Patient Care:

- **Improved care coordination:** Timely and accurate exchange of patient data allows healthcare providers to collaborate more effectively, leading to more efficient and personalized care plans.
- **Reduced errors and improved safety:** Elimination of manual data extraction and inconsistencies minimizes the risk of errors in patient records, promoting safer diagnoses and treatment decisions.
- **Faster access to critical information:** Automated data sharing allows healthcare providers to access crucial patient information quickly, enabling them to make informed decisions and respond to patient needs promptly.

### Streamlined Operations and Efficiency:

- **Reduced processing time:** Automating data extraction and sharing significantly reduces processing time compared to manual methods, freeing up resources for other tasks.
- **Increased staff productivity:** Staff dedicated more time to direct patient care and other value-added activities instead of being bogged down by data processing activities.
- **Improved scalability:** The automated solution handles increasing data volumes efficiently, ensuring smooth data exchange as Wallow Health grows or expands services.
- **Enhanced data visibility:** Automated systems provide better visibility into data flow, making it easier to track and monitor data exchange processes.

### Cost Savings and Revenue Opportunities:

- **Reduced labor costs:** Automating data extraction reduced the need for manual labor, leading to potential cost savings on staff time allocation.

- Improved billing accuracy: Accurate and consistent data extracted by the automated solution minimizes billing errors and ensure proper reimbursement from insurance providers.
- Potential for new revenue streams: Streamlined data sharing may enable collaboration with other healthcare organizations or research institutions, leading to new revenue opportunities.

## **ABOUT ARMELY**

We are a technology company focusing on Business Intelligence, Data Analytics, and Visualization, notably on Microsoft, AWS, Salesforce (Tableau), and GCP. We make Big Data Simple for our customers by taking a vendor-agnostic approach to ensure you get the best of the technology. Our vision to Empower Organizations to achieve more through Data allows us to corral data and turn it into actionable insights. We strive to be your strategic partner and adviser in your Business Intelligence, Data Analytics, and Visualization and Automation journey.

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