Data Exchange Solution Summary

Data Exchange Solution Name:	Med Rx Hub
Sponsor:	Michigan Department of Health and Human Services
Date:	1-7-2026

Executive Summary

> *The MedRx Hub will enhance the quality of care for patients and improve provider workflows by consolidating prescription and dispensation information into one platform to support medication reconciliation processes.*

Ensuring that accurate, up-to-date medication information follows a patient across every point of care is one of the most significant challenges in improving health outcomes and medication safety. The Med Rx Hub addresses this by consolidating prescribed and dispensed medication data from pharmacy dispensation records and Continuity of Care Documents (CCDs) into a single statewide service within MIGateway®. This unified view provides a more complete and accessible picture of patient medication histories, helping reduce discrepancies, prevent medication errors, and strengthen care coordination across Michigan's healthcare system.

Overview

The Michigan Health Information Network Shared Services (MiHIN), Michigan's state-designated Health Information Exchange (HIE), provides the infrastructure needed to support a more accurate representation of prescription and dispensation records for patients at the point of care or service. The Med Rx Hub leverages existing data already flowing through MiHIN, including Continuity of Care Documents (CCDs) and pharmacy dispensation data, to maintain a single, complete list of all known prescribed and dispensed medications.

Having a centralized service that maintains these medication lists offers several key benefits:

- **Access to a Comprehensive Medication History:** Providers can view a patient's medication regimen in one place, helping reduce the risk of duplicative or conflicting therapies.
- **Improved Coordination of Care:** Shared access supports alignment among prescribers, pharmacists, and care team members.
- **Enhanced Patient Safety:** Greater oversight lowers the chance of medication errors or adverse drug events.
- **Healthcare Delivery:** Streamlined medication management saves time for both patients and clinicians.

Persona Stories

Persona: Dr. Megan Patel, PharmD

Background: Dr. Patel has been a community pharmacist for more than 12 years, serving primarily underserved Medicaid populations. She is dedicated to ensuring her patients receive safe, effective, and affordable care, but her daily routine is often burdened by fragmented medication histories and incomplete data from providers. Patients frequently arrive with questions about their medications, yet she lacks access to complete and provide timely details about their care plans or recent prescriptions from other providers.

Transformation: With the Med Rx Hub, Dr. Patel's experience changes significantly. By securely logging into the MIGateway® platform, she can now view a comprehensive and current list of a patient's prescribed and dispensed medications, including those filled at other pharmacies or prescribed during recent care transitions. This access allows her to make more informed decisions and dedicate more time to patient care.

Impact:
- Reduces time spent calling providers and insurance companies for medication verification.
- Improves patient safety by identifying potential drug interactions and duplications.
- Builds stronger trust and engagement with patients who see her as part of their care team.
- Reduces the need for maintaining manual logs and redundant tracking systems.

- Enhances collaboration across providers by ensuring consistent, accurate information.

Persona: Dr. Andrew Hartel, MD

Background: Dr. Hartel is a primary care physician who manages a diverse panel of patients with complex medication regimens. Many of his patients transition between multiple care settings, resulting in discrepancies that are difficult to reconcile during short visits. Limited visibility into medications prescribed or dispensed outside his practice often delays decision-making and increases the risk of medication errors.

Transformation: After implementing the Med Rx Hub, Dr. Hartel can easily access consolidated medication histories through MIGateway®. He can view a patient's full list of prescribed and dispensed medications, including recent fills from community pharmacies and updates from CCD data. This streamlined view enables him to make faster, better-informed clinical decisions.

Impact:

- Improves clinical decision making by providing a single, accurate source of medication data.
- Supports safer transitions of care and continuity between providers.
- Reduces administrative burden associated with verifying medications during visits.
- Increases confidence in treatment decisions based on current, verified information.
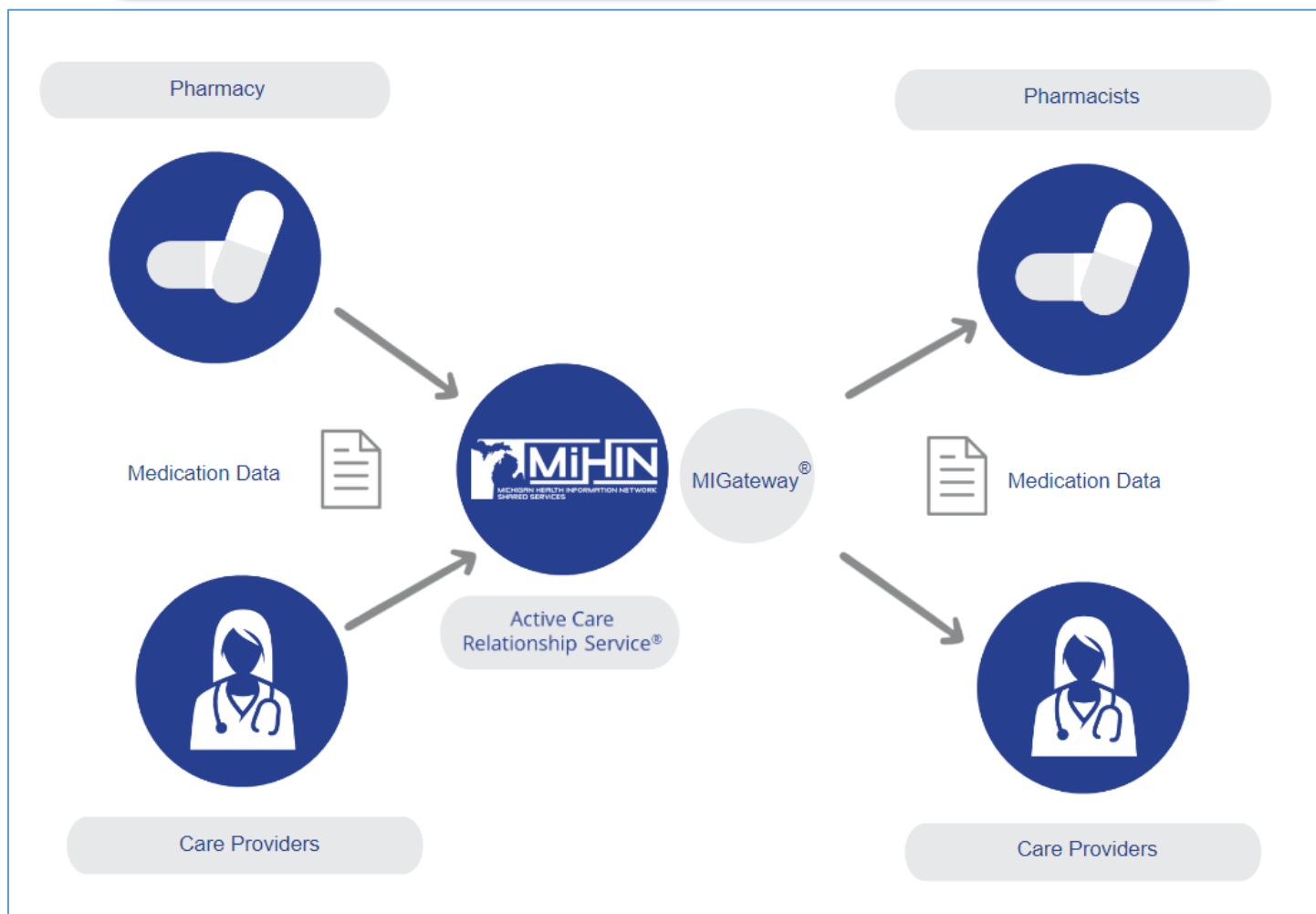
Diagram

Figure 1. Med Rx Hub Data Flow

1. Health care providers with an active care relationship (ACR) submit the data via ACRS® file submission.
2. MiHIN collects prescribed and dispensed medication data and stores it in a secure database.
3. Care team members with an active care relationship (ACR) to a patient can view the data in MIGateway® via the Med Rx Hub module.

Regulation

This section describes whether this data exchange solution is being developed in response to a federal regulation, state legislation, or state level administrative rule or directive.

Legislation/Administrative Rule/Directive:

☐ Yes
☒ No
☐ Unknown

Meaningful Use:

☒ Yes
☐ No
☐ Unknown

Cost and Revenue

This section provides an estimate of the investment of time and money needed or currently secured for this data exchange solution.

We extend our sincere appreciation to the Michigan Department of Health and Human Services for their continued support and investment in this transformative initiative. The Med Rx Hub is designed to make a meaningful difference in the lives of patients and providers by improving the accuracy and accessibility of medication information, fostering collaboration across care settings, and strengthening Michigan's connected healthcare system.

Implementation Challenges

This section describes the challenges that may be faced in implementing this data exchange solution.

While there are no current legislative mandates or financial incentives tied to this solution, successful implementation of the Med Rx Hub depends on strong collaboration among participating partners. Key challenges include coordinating data exchange efforts across multiple organizations, maintaining data quality and consistency, and ensuring that the system remains easy to adopt and use for both providers and pharmacies. Continued engagement with stakeholders and alignment with statewide interoperability goals will be essential to achieving success.

Vendor Community Preparedness

This section addresses the vendor community preparedness to readily participate in the implementation of this data exchange solution.

The Centers for Medicare & Medicaid Services (CMS) has issued a final rule for health information technology standards to adopt the National Council for Prescription Drug Programs (NCPDP) SCRIPT Standard Version 2023011. The updated SCRIPT Standard Version will allow electronic controlled substance prescription transfers between pharmacies. The transition period from NCPDP SCRIPT Standard Version 2017071 to Standard Version 2023011 will end on January 1, 2028.

As this solution deals primarily with electronic prescription information, vendors that will be assisting healthcare providers with this implementation will need to be cognizant of these changes over the course of the work.

Support Information

This section provides known information on the support for this data exchange solution.

Political Support:

☐ Governor
☐ Michigan Legislature
☒ Health Information Technology Commission
☒ Michigan Department of Health and Human Services or other State of Michigan department
☐ CMS/ONC
☐ CDC
☒ MiHIN Board

Sponsor(s) of Data Exchange Solution

This section lists the sponsor(s) of the data exchange solution.

The only current sponsor for this data exchange solution is the Michigan Department of Health and Human Services.

Metrics for the Data Exchange Solution

This section lists and defines the target metrics identified to track the success of the data exchange solution.

The key metrics for this data exchange solution include:

■ Provider Participation Rate: Number of providers participating in the Med Rx Hub Data Exchange Solution
■ E-Prescription Data Volume: Number of inbound e-prescriptions from providers
■ Pharmacy Participation Rate: Number of pharmacies participating in the data exchange solution
■ Dispensation Data Volume: Number of inbound dispensation records from pharmacies