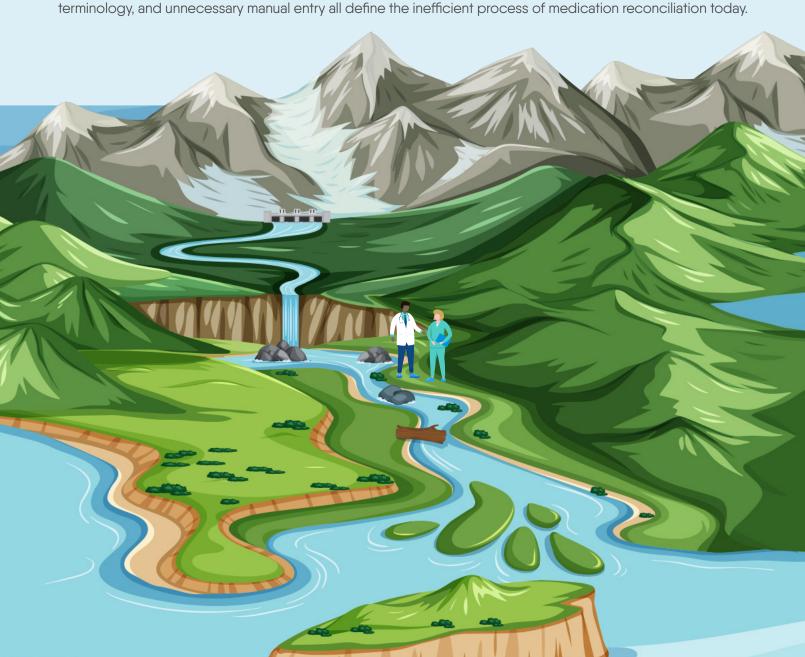
# The Downstream Effects of **Fractured Medication Data**

Getting a complete view into a patient's prescribed medication therapy is the first challenge. Understanding and improving their adherence is what follows.

In a time of EHRs, e-prescribing, and cloud-based storage, it's hard to believe that a patient's medication history isn't readily available to providers within their clinical workflows. Fractured data sources, inconsistent



#### **UPSTREAM CHALLENGES:**

Clinical staff are frustrated while patients experience preventable ADEs and hospital readmissions.



#### Inefficiency:

- 20 minutes collecting, validating, and documenting a patient's med history, plus 6 minutes calling pharmacies, providers, and family<sup>1</sup>
- 84% of EHR prescription data needs to be manually edited or entered by staff<sup>2</sup>



- 85% of inpatient medication errors originate from med history collected during admission<sup>3</sup>
- Almost 1% of all medication errors result in an ADE-related readmission<sup>4</sup>
- 8 errors in med histories collected by nursing and hospitalist staff per high-risk patient<sup>5</sup>
- medication lists<sup>6</sup>

70% of patients admitted through the ED have errors on home



# **DOWNSTREAM CHALLENGES:**

Just as understanding a patient's medication history is critical before prescribing, having visibility into a patient's adherence after they're discharged is equally important. Non-adherent patients represent a significant economic burden on hospitals and health systems.

# **Medication Non-Adherence:**

- 25% of new prescriptions are never filled by a patient<sup>7</sup>
- Medications are not taken as prescribed 50% of the time<sup>8</sup>
- Up to 25% of admissions to hospitals and long-term care facilities are due to non-adherence9
- Non-adherent hypertension patients are 5x more likely to be hospitalized<sup>10</sup>
- 125,000 avoidable deaths attributed to non-adherence per year<sup>11</sup>

# **Economic Impact:**

- Readmission costs: \$11,000 average readmission cost per patient<sup>12</sup>
- Medication non-adherence: \$290 billion per year cost to the U.S. healthcare system<sup>13</sup>





Gain access to higher-quality, complete, and clinically actionable medication history within the native workflows in your Epic EHR with DrFirst's Medication Management Suite. This includes Al-powered medication history, price transparency information, and prescription education and pickup reminders.





#### 1. Results from DrFirst's Med Rec Excellence Program where 283 individual hospital systems were surveyed

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