Medication screening and insights integrated into the clinical workflow

Automated medication advisory screening, providing integrated clinical decision support to help clinicians manage medications for their patients.

Highlights include:

- Drug interactions screening
- IV compatibility screening
- Labeled warnings
- Drug identification
- Summary drug evidence
- Medication instructions
- Support available for international drug maps with local trade names and generics
- Patient specific alerts

Watson Health

The challenge for clinicians

The solution

Information overload

Clinician shortage and burnout

Alert fatigue

Potential impact on patient safety

Even the most common patient encounters can raise clinical questions. If left unanswered, these questions have the potential to cause errors and adverse events — sometimes severe — compromising quality of care and increasing costs.

Yet with medical data increasing, many healthcare professionals lack the time and resources to sift through vast quantities of often questionable medical literature to locate the answers. Within clinical decision support systems, reminder alerts that are too frequent or not informative can contribute to the information overload or desensitization that can lead to alert fatigue, potentially impacting patient safety.

In addition, there are growing challenges of clinician shortage and clinician burnout. Primary care clinicians work on average 11.2 hours each day and 6 hours of that day is spent interacting with the Electronic Health Record.

The challenge to deliver safe and effective patient care has never been so overwhelming with the increase of data and the veracity and timeliness of information needed to make critical decisions.

Accelerate clinical response time and efficiency of patient care with evidence-based clinical information and automated medication advisory screening in the clinical workflow.

IBM Micromedex Integrated Screening and Insights is a robust source for referential and interactive drug and medical information, designed to help clinicians around the world save valuable time, reduce medication errors and aid productivity.

Flexible Integration
Integration into the workflow through API calls makes it highly flexible, EHR agnostic, with the capability to integrate into any Hospital Information System or e-prescription management system.

International drug maps
The ability to support multiple international drug maps such as Anatomical Therapeutic Classification (ATC) from the World Health Organization.

Customizable
Cloud or on-prem software services can provide medication screening based on specific organizational requirements, keeping in mind policies and infrastructure constraints. The deep customization options to filter unwanted alerts can help clinicians focus on those that are important for their workflow.

Evidence-based
The clinical content in Micromedex is curated by an editorial board comprised of specialised healthcare professionals who evaluate hundreds of thousands of articles per year using a robust editorial process which is accredited by the National Institute for Health and Care Excellence (NICE).

IBM

Key modules include

Medication Advisory Screening (MAS) module:
Utilises individual patient data and drug order information to conduct an automated screening for interactions including:
- Drug-Drug
- Drug-Allergy/No Allergy
- Ingredient duplication warnings
- Pregnancy warnings
- Lactation Warnings
- Drug-Lab and Disease
- Lifestyle interactions (Drug - Food, Ethanol, Tobacco)
- Therapeutic class antagonism and duplication warnings
- General Precautions (age, gender-based)

IBM Micromedex® Medication Instructions:
Easy-to-read, literacy-sensitive documents designed to help patients understand and adhere to their drug treatment therapies.

Warning Labels:
Designed to provide evidence-based information on medication administration, precautionary warnings, safe and stable storage and expiry date when attached to a patient's prescription.

DrugPoints:
Summary drug reference for healthcare professionals that contains concise, synopses curated from the world's medical literature, including prescription and off label medicines.

IV Screening:
Evidence-based drug compatibility screening designed to support pharmacists, physicians and nurses when administering two or more drugs intravenously, whether via Y-site, admixture or syringe.

Request for drug interactions screening sent

EHR solution

IBM Micromedex Integrated Screening and Insights

Results of the drug interactions screening returned
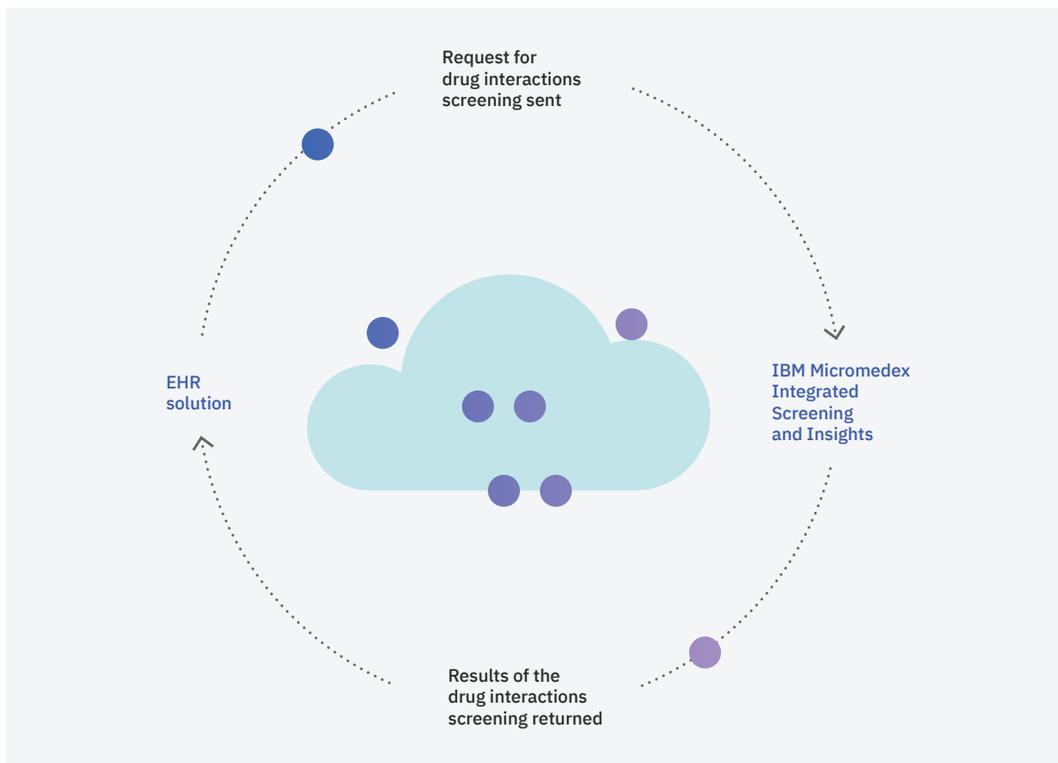
Using individual patient demographics and drug order information, **IBM Micromedex Integrated Screening and Insights provides** data that can perform a variety of automated medication screenings.

IBM

IBM