IBM Micromedex care delivery

Evidence-based clinical decision support for healthcare decision-makers
Care delivery enhancement for patient safety

The challenge
When making decisions at the point of care, pharmacists, nurses, physicians and clinical staff across the healthcare continuum need accurate, consistent and reliable clinical evidence at their fingertips, to maintain patient safety and provide their care, fast.

The solution
Access a single solution for evidence-based medication management, toxicology, disease and condition management and patient education, available online and mobile.

IBM® Micromedex® provides a single solution for evidence-based information with:

- Drug dosing and medication management for 2,700 EMA and FDA approved drugs
- 3,591 disease and condition management documents
- 1,788 detailed protocols for toxicology and exposure management
- Patient education available in 15 languages to support patient engagement
- Topics for 230 neonatal and 525 pediatric monographs

Clinical evidence to support clinical decisions – potential benefits:

- Helps make more informed treatment decisions at the point of care
- Identify medication errors with context-appropriate clinical evidence
- Save time searching; summary level and in-depth content is linked, clinically consistent and accessible from a single screen
- Identify the strength of key factors to help make critical decisions fast with the at-a-glance Micromedex rating system for strength of evidence, efficacy and strength of recommendation
- Manage drug shortages with comparative efficacy data, including evidence-based review of alternative agents by indication
- Improve patient engagement with patient education and consumer health resources in 15 languages
IBM Micromedex

Evidence built upon robust editorial review methodologies

We review world medical literature
- 15,000 medical articles published every week
- 8,500 journals monitored both high level and in-depth reviews performed regularly

In-house clinically-trained editorial staff with expertise in research methodology

To provide the best care you can—you need clinical evidence

Our robust editorial processes facilitate some of the best and most trusted clinical evidence in healthcare.

Patient safety is a priority, and healthcare professionals look for clinically-relevant robust evidence to support more informed critical decisions. Our processes and meticulous training of in-house editorial staff are one of the best in the industry. Because our clinicians complete extensive evaluation and synthesis of the literature and assess information across multiple content areas, IBM Micromedex customers can make more informed decisions with our clinical knowledge that contains clinically accurate, relevant and consistent information.

Our robust procedures include:
- Multi-step editorial process and documented policies
- Ongoing querying of critical evaluation of primary literature
- In-house clinically-trained editorial staff with expertise in research methodology
- Single editorial group and process supports consistent content
- In-line referencing and supporting studies provides transparency
- Consistent coverage of off-label indications and therapeutic use
- Inclusion of strength of efficacy and evidence ratings to aid clinical decisions
The IBM Micromedex rating system:
Our at-a-glance rating system uses icons to help clinicians readily identify the strength of key factors to support treatment decisions, so they can make informed decisions.

The National Institute for Health and Care Excellence (NICE) has accredited the process used by IBM® Watson Health™ to develop content used in IBM Micromedex®.

---

1. NICE accredited

www.nice.org.uk/accreditation
IBM Micromedex Clinical Knowledge
From routine drug content, to specialty patient populations and off-label uses, IBM® Micromedex® Clinical Knowledge provides content clinicians may need in difficult situations—as well as the everyday references the entire staff can rely on.

Fast access and integration for speed and cost efficiency
Provide clinical consistency with access to robust resources for medication, disease, toxicology and more—where and when clinicians need it.

Integrated clinical evidence-based resources
IBM Micromedex offer evidence-based information clinicians can count on when making a decision at the point of care. IBM Micromedex provides a single source of information for patient-specific clinical decision support that integrates with a variety of HIS systems. In doing so, we can help you satisfy Meaningful Use objectives and create efficiencies for your clinical staff.

Integration options:
- Context-specific content retrieval via web services using HL7 standard or APIs is only for CKO/UltimeMedex/MAS
- Embedded content options, including data files (flat files) for upload into your system(s)
- IBM Micromedex also provides flexibility to help meet hospital and health facility daily workflow

Delivery options:
- web 2.0
- intranet
- mobile/tablet/apps for customers

IBM Micromedex Medication Management
From drug-dosing information accessed daily to specialty patient populations and off-label uses, IBM Micromedex provides everyday reference tools and resources the staff can access, plus specialized content clinicians may need in difficult situations.

With robust content, Micromedex Medication Management provides a true end-to-end solution that has become a robust single source of drug and medication information.

Your potential benefits with use of this product includes:
- Improved patient experiences
- Reduced adverse events
- Reduced infections
- Management of drug availability shortages
- Cost savings associated with above benefits

The product is available modularly to provide clinicians access to detailed, evidence-based content to support more informed decisions. Featured topics include:

Drug information for medication safety
At the point of care, our proprietary resource provides clinicians with fully referenced content covering dosage, therapeutic use, cautions, comparative efficacy and off-label indications, pharmacokinetics, clinical applications and interactions, including drug-drug, drug-food, drug-disease, drug-ethanol, drug-laboratory, drug-pregnancy and drug-lactation as well as drug identification tools.

Complete IV compatibility for medication safety
Featuring Trissel’s™ 2—the latest database from one of the leading authorities on IV compatibility, Lawrence Trissel, MS, FASHP, this tool identifies potentially undesirable combinations and helps clinicians interpret conflicting compatibility results by identifying contributing factors such as physical compatibility, storage, study period, container and chemical stability.
Pediatric and neonatal evidence for patient safety
This content delivers a robust scope of information on commonly used medications, nutritional supplements and substitutes in the neonatal and pediatric population. The patient- and indication-specific drug dosing tool helps clinicians prescribe, calculate, formulate and administer essential drugs and parenteral nutrition. This can help the clinician save time and can potentially improve care for the challenging neonate and pediatric populations.

Formulary solutions
Our solution can help you fulfill distribution guidelines, while helping you deliver prescriptions to patients faster. You can also make decisions based on cost because you have drug pricing at your disposal.

Alternative medicine
Our information provides a single source guide for integrating herbal and other alternative therapies that the patient may be using with conventional medicine to provide a full range of options.

Global drug information
Through Redbook, Martindale, Index Nominum and the Italian Dialogo sui Farmaci.

Delivery of Micromedex Medication Management is made more flexible and convenient with free mobile applications for iPhone, iPod touch, iPad, and Android.

IBM Micromedex Disease and Condition Management
In a single solution, integrated into a clinician’s workflow, IBM® Micromedex® Disease and Condition Management solutions evidence-based clinical information enables quick access to the most current treatment-of-choice information at the point of care.

Micromedex Disease and Condition Management offers both standard and extended information for making more informed treatment decisions. Product features include:

– Acute and chronic disease management data, including emergency and general medicine
– Procedure and treatment information
– Protocol checklist to support enhanced patient safety
– Lab recommendations including interpretations, values, and ranges

Potential benefits you can achieve of this product include:

– Minimized treatment errors
– Prevention of unnecessary tests or procedures
– Reduced treatment costs
– Improved patient experiences

IBM Micromedex Toxicology Management
IBM® Micromedex® Toxicology Management identifies and provides ingredient information for commercial, pharmaceutical and biological substances, including more than 1,780+ detailed management/treatment protocols discussing clinical effects, treatment, range of toxicity, differential diagnoses and more.

– Summary and in-depth information on exposure identification and management
– Product listings, exposure assessment and management for potential poison sources including household products, drugs, chemicals and plants
– Data on reproductive risks including the effects of drugs, industrial chemicals, physical and environmental agents and a compilation of scientific reviews on teratogenic effects
– Access to the TOMES® industrial chemical database
IBM Micromedex access anytime, anywhere

IBM Micromedex content can be accessed online or integrated into the Emergency Medical Record (EMR) and hospital information system for one-click access to patient-and context-specific information. Summary level content is available directly from mobile devices. All apps are backed by the same thorough, objective editorial process used for all Micromedex solutions.

Our accredited editorial process helps provide consistent, meticulously sourced content based on the most clinically relevant evidence available.

IBM Micromedex CareNotes patient education

Easy-to-understand patient education materials on all aspects of a patient’s condition, medications, lab tests and care.

- IBM® Micromedex® CareNotes®: easy-to-understand instructions for the most common conditions and procedures
- Medication instructions: simple, clear, and easy-to-read instructions for the most frequently prescribed medications

Achieve better patient experiences

- Helps you meet Joint Commission International patient education guidelines as well as supporting other national and international accreditation metrics
- Evidence-based and objective content supports your best practices
- Can help improve patient engagement and clinical outcomes to support new regulations and patient safety initiatives
- Content can be integrated into the hospital’s systems to help improve efficiencies and save time
- Documents can be personalized to help improve patient engagement and help promote the hospital’s brand
- Available in 15 languages and lower literacy levels

CareNotes by numbers

- 7,800+ evidence-based health and medication documents
- 480 documents on frequently performed lab tests
- 2,400+ documents on drugs, vaccines, vitamins and topical treatments
- 15 languages
About IBM Watson Health

Each day, professionals throughout the health ecosystem make powerful progress toward a healthier future. At IBM Watson Health, we help them remove obstacles, optimize efforts and reveal new insights to support the people they serve. Working across the landscape, from payers and providers to governments and life sciences, we bring together deep health expertise; proven innovation; and the power of artificial intelligence to enable our customers to uncover, connect and act — as they work to solve health challenges for people everywhere.

For more information on IBM Watson Health, visit: ibm.com/watsonhealth

The client is responsible for ensuring compliance with all applicable laws and regulations applicable to it.

IBM does not provide legal advice or represent or warrant that its services or products will ensure that the client is in compliance with any law or regulation.

The performance data and client examples cited are presented for illustrative purposes only. Actual performance results may vary depending on the specific configurations and operating conditions. It is the user’s responsibility to evaluate and verify the operation of any other products or programs with IBM product and programs.

Statement of Good Security Practices: IT system security involves protecting systems and information through prevention, detection and response to improper access from within and outside your enterprise. Improper access can result in information being altered, destroyed, misappropriated or misused or can result in damage to or misuse of your systems, including for use in attacks on others. No IT system or product should be considered completely secure and no single product, service or security measure can be completely effective in preventing improper use or access. IBM systems, products and services are designed to be part of a lawful, comprehensive security approach, which will necessarily involve additional operational procedures, and may require other systems, products or services to be most effective. IBM does not warrant that any systems, product or services are immune from, or will make your enterprise immune from, the malicious or illegal conduct of any party.