CLINICAL CARE POWERED

BY TRUSTED INTELLIGENCE

MICROMEDEX® Solutions

Evidence-Based Support

Clinical Care Powered by Trusted Intelligence

Improve patient care. Maximize safety. Reduce risk and associated costs. Meet regulatory compliance. Achieve financial goals. This is what timely, informed decisions will do for your organization.

The right patient-specific information, clearly delivered from a single source at the point of care, will inform the actions of both clinicians and patients in ensuring safety and building improved, sustainable outcomes.

Truven Health Analytics ℠ Micromedex® Solutions is unsurpassed in delivering the highest quality, most comprehensive, evidence-based decision support available. No frustrating gaps, no avoidable inconsistencies, no hesitation. Totally integrated clinical evidence into your existing IT system, the information is delivered within the clinician workflow for timely and effective access.

With Micromedex Solutions the improvements to both patient care and operational efficiency will be significant and measurable.

The Most Trusted Clinical Information Resources Available

Only the highest quality evidence provides the insight clinicians can count on when making a decision at the point of care. Micromedex Solutions include the industry's most comprehensive collection of resources. Since it is single sourced, the depth and breadth of the data is unrivaled. The goal is always to provide the most immediate information and guidance to clinicians.

The Micromedex Editorial Process:

Micromedex sets the industry standard for the most comprehensive clinical decision support. Our impeccably sourced and referenced resources are based on the highest quality and most clinically relevant evidence available. Our commitment to prevent gaps and inconsistencies in the clinical information provided is reflected in our unparalleled, rigorous editorial process and our investment in our experienced, in-house clinicians. Our content has been objectively validated by academics and professionals and used by hundreds of clinicians at more than 5,000 hospitals worldwide.

The Micromedex Rating System:

Our at-a-glance Rating System uses icons to help clinicians readily identify the strength of key factors needed in making treatment decisions, so they can make fast, informed decisions.

The Micromedex Evidence Modules:

From routine drug content to specialty patient populations and off-label uses, Micromedex provides the content that even the most experienced clinicians need in difficult situations — as well as the everyday references the entire staff relies on.

Only Micromedex is:

- Evidence-based for over 40 years
- Single-sourced, providing unparalleled depth and breadth
- Trusted in 5,000 healthcare organizations worldwide
- Used in 100 percent of U.S. Poison Control Centers for toxicology content
- Integrated into the EMR/HIS systems of more than 2,000 hospitals in the U.S.
- Used in most of the U.S. accredited Schools of Pharmacy

"Micromedex is a better product with a better track record than other systems. It has more solid information, unbelievable references, and better valid information."

— KLAS Study

For Each Patient, at Every Point of Care

Like you, we're focused on improving patient care. Our solutions are the most comprehensive clinical solution that delivers clinical resources, patient education, analytics, and surveillance, and aggregates patient data with hospital information. The result? You have a single source for patient-specific information at the point of care.

Three separate but compatible suites make up Truven Health Micromedex Solutions:

Micromedex Clinical Knowledge

Micromedex Clinical Knowledge provides evidence-based clinical information and resources from drug, disease, and toxicology to patient education, through a single source that brings together patient-specific information delivered at the point of care for better decision support in the context of each individual patient's health, conditions, medication use, therapy, and treatments.

Micromedex Patient Connect Suite

Micromedex Patient Connect Suite is the only patient education source that spans the spectrum of patient care from medication content to condition education and consumer engagement tools, integrating with the hospital system to improve clinician efficiency and patient compliance, reduce risk, and deliver better, comprehensive education to improve patient outcomes.

Micromedex 360 Care Insights Suite

Micromedex 360 Care Insights Suite helps identify at-risk patients through patient-specific, single-source guided care on a single screen, putting critical patient information at your fingertips. Micromedex 360 Care Insights means you can monitor clinical data, get hospital-specific clinical profiling, control infection, and prevent and intervene on potential adverse events in real-time, all while easing reporting and regulatory compliance requirements.

CLINICAL CARE

POWERED BY

TRUSTED INTELLIGENCE

Together, the Micromedex Suites provide the most reliable, trusted name in evidence-based clinical reference. Micromedex leads the industry because of our unmatched editorial process, reliable content, and innovative, user-friendly applications.

Reasons to Rely on Micromedex

- **Comprehensive, High Quality Information**
  Access to the highest quality, evidence-based, clinical-decision support available. From drug, pediatrics, and disease, to toxicology and patient education, you select the components you need to power your decision-making environment.

- **Delivered in the Clinician Workflow**
  Whether it be in your HIS or EMR, on the web, via mobile devices, or as a downtime solution, we provide the data formats and integration points you need for consistent and timely access across the organization.

- **Meet Meaningful Use Requirements**
  Numerous Micromedex modules are currently certified to meet Meaningful Use and/or are specifically designed to support EMR attestation criteria.

- **Scalability for Your Organization**
  Access, extend, integrate, and aggregate where and when you need it. Your solution is delivered through a single subscription fee, which also makes your costs predictable.

- **Support Tailored to Your Needs**
  Customize an organization-wide service plan with unparalleled 24/7 support, seamless software upgrades, and personalized training.

- **Easy Adoption and Training**
  A single platform makes it easy for your staff to adopt the solution, train others, and facilitate use by new clinicians within your facility or health system. Our interface is familiar and utilized around the globe.

- **Proven Track Record**
  Our hospital and health system client list features more than 3,500 U.S. and 1,800 international organizations in 18 countries — including many of the 100 Top Hospitals® in the U.S.

Integrated Clinical Evidence-Based Resources

Micromedex delivers evidence-based information clinicians can count on when making a decision at the point of care. Micromedex provides a single source of evidence-based information for patient-specific medication, disease, and condition therapy and management that seamlessly integrates with a variety of HIS systems, helping clinicians assess cost of treatment while supporting clinical decision-making at the point of care. In doing so, we can help to satisfy Meaningful Use objectives.

Micromedex provides flexibility to meet hospital and health facility's workflow, offering:
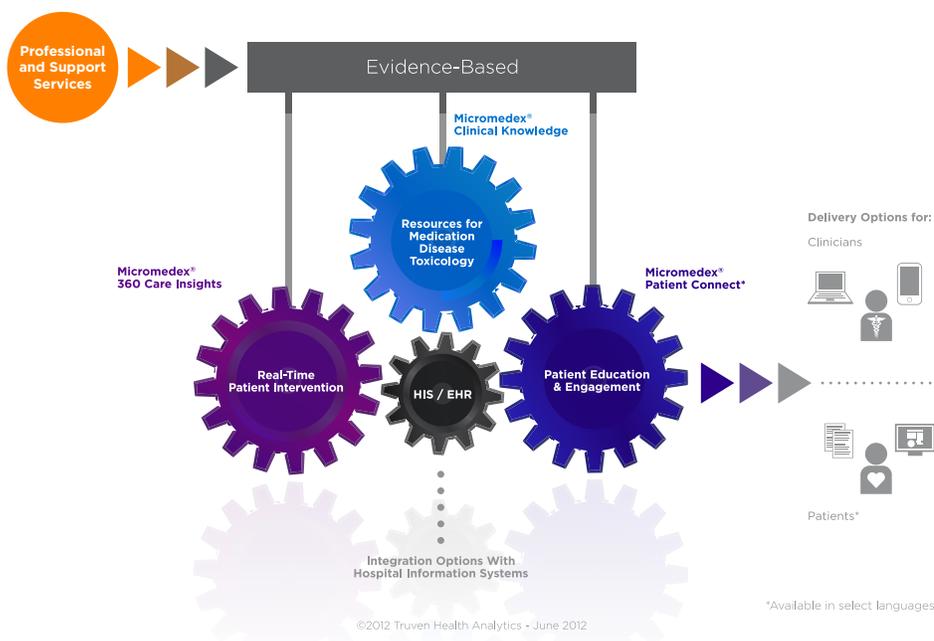
Delivery Options*:

- Web 2.0
- Intranet
- Mobile native applications
- Tablet native applications
- Mobile/tablet via web

Integration Options:

We have APIs and use HL7 standards, which should make it easy to connect to your APIs or the Flat File embedded content options.

*Subject to availability by location and content set and product type

Truven Health™ Micromedex® Solutions

Professional and Support Services

Evidence-Based

Micromedex®
Clinical Knowledge

Resources for
Medication
Disease
Toxicology

Micromedex®
360 Care Insights

Micromedex®
Patient Connect*

Delivery Options for:
Clinicians

Real-Time
Patient Intervention

HIS / EHR

Patient Education
& Engagement

Patients*

Integration Options With
Hospital Information Systems

*Available in select languages

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Micromedex Clinical Knowledge

Offers comprehensive evidence-based resources at the point of care for patient specific medication management, toxicology, and disease and condition therapy for powerful decision support.

With an emphasis on patient safety, the portfolio includes complete drug information, including interactions, dosing, side effects from the top three drug uses from market research, disease recognition and treatment, pediatric and neonatal safety, toxicology solutions and treatment, and alternative medication information.

CLINICALLY

TRUSTED

INFORMATION

Medication Management

From drug-dosing information accessed daily to specialty patient populations and off-label uses, Micromedex provides everyday tools and resources the entire staff relies on, plus the specialized content the most experienced clinicians need in difficult situations.

With the most thorough content in its class, Medication Management provides a true end-to-end solution that has become a trusted single source of drug and medication recommendations.

Among the measurable improvements that this product can help you achieve are:

- Improved patient outcomes.
- Reduced adverse events.
- Reduced infections.
- Higher rate of IV to PO conversion.
- Cost savings associated with above benefits.

The product itself is a collection of modules, through which clinicians have access to detailed evidence-based content to support confident, informed decisions. Featured topics include:

- **Drug Information for Medication Safety**

  Right at the point of care, clinicians can utilize our proprietary resource that includes fully referenced, unbiased content covering dosage, therapeutic use, cautions, comparative efficacy, approved and off-label indications, pharmacokinetics, clinical applications, and interactions, including drug-drug, drug-food, drug-disease, drug-ethanol, and drug-laboratory, drug-pregnancy and drug-lactation, as well as drug identification tools.

- **IV Compatibility for Medication Safety**

  Featuring Trissel's™ 2 data, this tool pinpoints potentially dangerous combinations and helps clinicians interpret conflicting compatibility

results by identifying contributing factors such as the physical compatibility, storage, study period, container, and chemical stability.

- **Pediatric and Neonatal Evidence for Patient Safety**

  This content delivers an unparalleled 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 accurately prescribe, calculate, formulate, and administer essential drugs and parenteral nutrition. This saves time, boosts confidence, and improves outcomes for the challenging neonate and pediatric populations.

- **Formulary Solutions**

  Save time in managing and distributing your formulary information. Our solutions eliminate the need for formulary books and fulfill all distribution guidelines, while helping deliver prescriptions faster to patients. You can also make decisions based on cost because you have drug pricing at your disposal.

- **Alternative Medicine**

  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**

  Delivered through Redbook, Martindale, Index Nominum, the Italian Dialogo sui Farmaci, and the United Kingdom electronic Medicines Compendium.

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

For greater efficiency, Micromedex Disease and Condition Management is offered directly at the point of care, fully integrated in your Hospital Information System.

PERFORMANCE

ENHANCING

DATA

Disease and Condition Management

In a single solution, integrated into a clinician's workflow, Micromedex Disease and Condition Management evidence-based clinical information enables quick access to the most current treatment-of-choice information at the point of care.
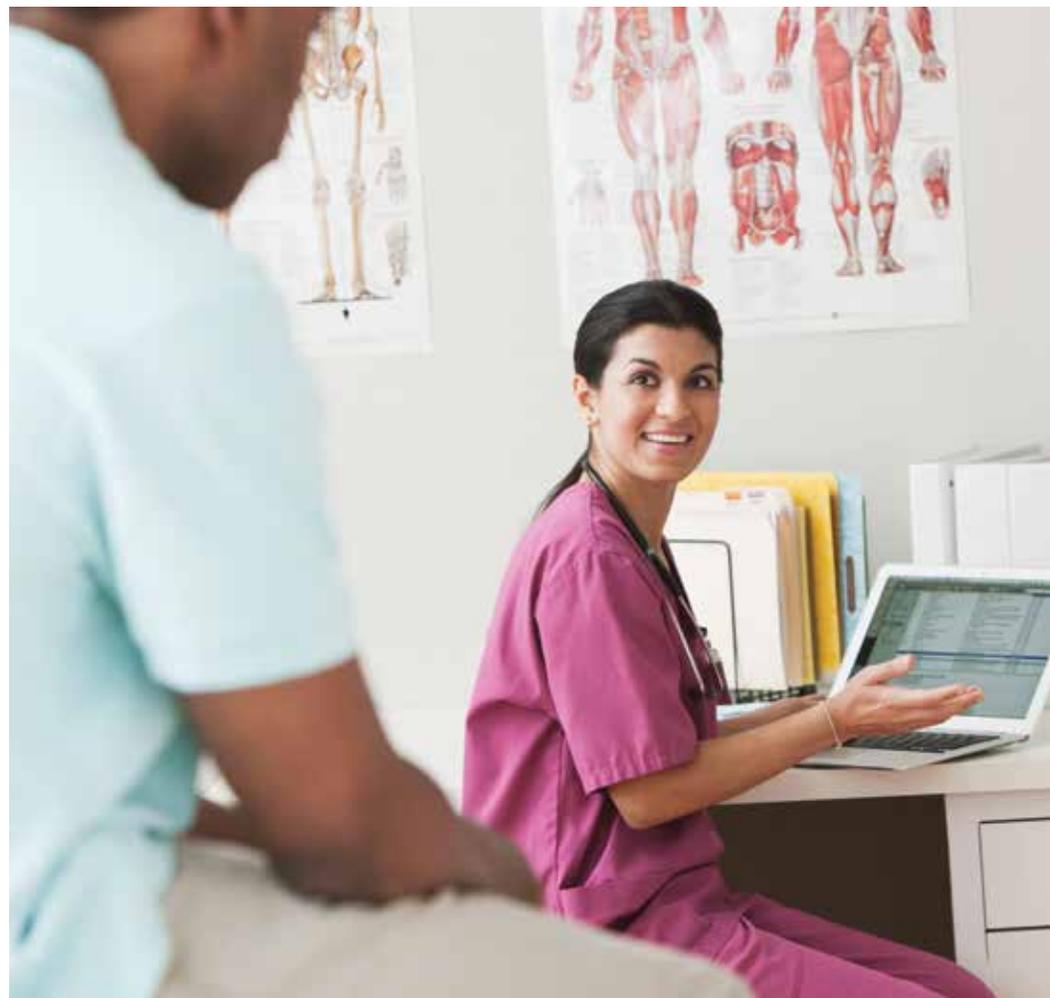
Measurable Benefits of This Product Include:

- Minimized treatment errors.
- Prevention of unnecessary tests or procedures.
- Reduced treatment costs.
- Improved patient outcomes.

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

- Acute and chronic disease management data, including emergency and general medicine.
- Procedure and treatment information.
- Pre-hospital protocols.
- Protocol checklist for enhanced patient safety.
- Lab recommendations including interpretations, values, and ranges.

Micromedex Toxicology Management

Speed is of the essence in identifying and treating exposure to poisonous substances. Immediate, evidence-based information is critical.

Micromedex Toxicology Management identifies and provides ingredient information for hundreds of thousands of commercial, pharmaceutical, and biological substances, including more than 1,700 detailed management/ treatment protocols discussing clinical effects, treatment, range of toxicity, differential diagnoses, pitfalls, and more.

Relied on by 100 percent of U.S. Poison Control Centers and thousands of emergency departments in the U.S., Micromedex Toxicology Management

delivers precise, essential data through a single screen at the point of care to ensure the fastest access to critical answers.

To accelerate treatment, reduce errors, and enhance outcomes, the product features:
- 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 for safe medical and disposal management of chemicals and hazardous materials in the workplace, including assessing and implementing onsite solutions for chemical spills, exposures, and explosions.
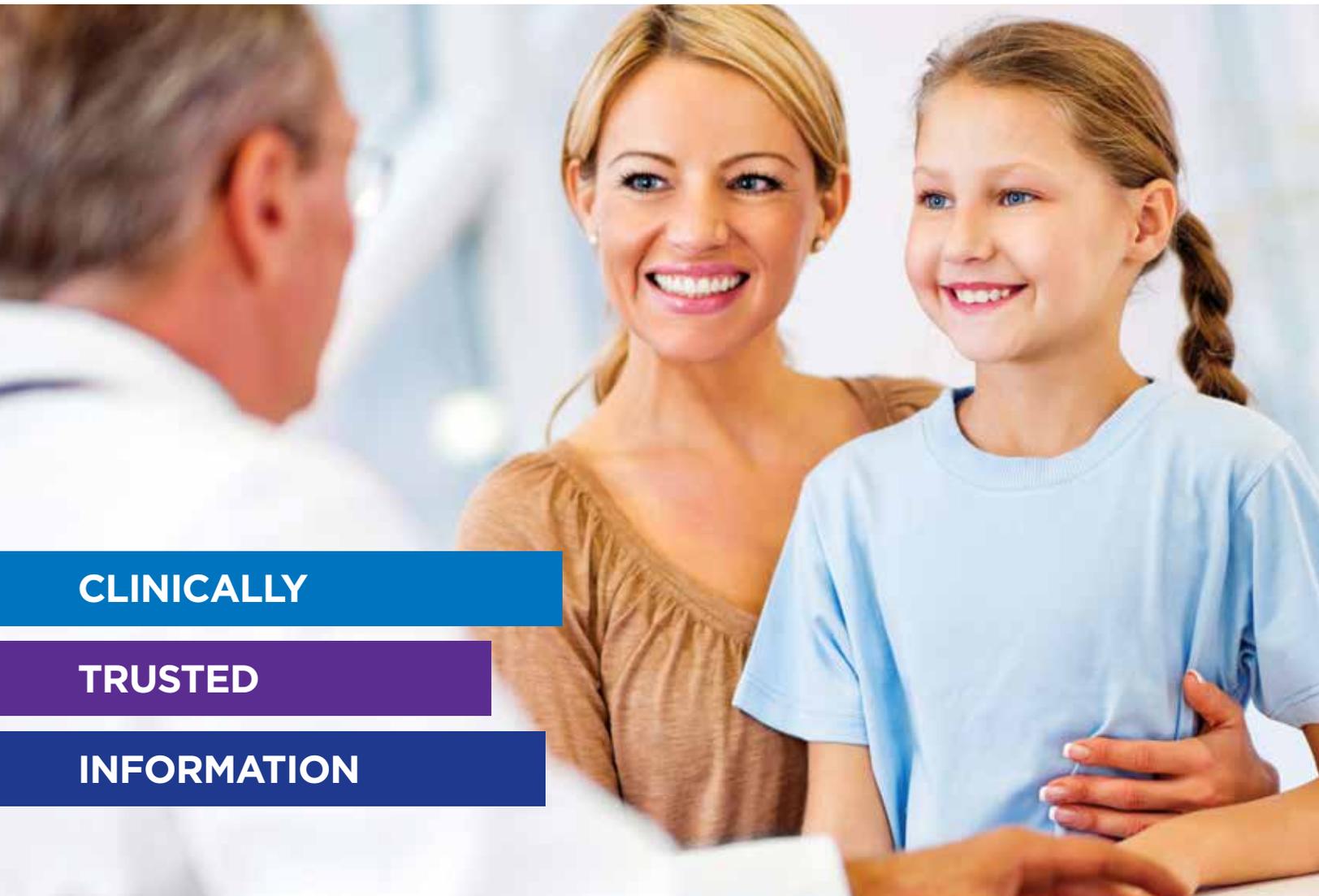
A HIGHER LEVEL

OF DECISION

SUPPORT

Micromedex Patient Connect

Delivers consumer health education and patient-specific communication to promote treatment understanding and compliance, improve satisfaction, reduce readmission and improve outcomes. General information, continuing care, discharge, and drug information are all included.

It is critical to engage your patients through the medium with which they are comfortable, so Patient Connect provides you with multiple options, in multiple languages. As you share patient-specific information, Patient Connect automatically saves information that is printed. It is valuable to your patients and time-saving to clinicians.

As an accessible resource for consumer health information, Patient Connect provides a community service, while promoting your hospital's caring and expertise.

CLINICALLY

TRUSTED

INFORMATION

Micromedex Patient Education

Micromedex Patient Education covers the continuum of care from pre-care, inpatient, and discharge instructions to emergency department and ambulatory education, including topics ranging from disease and procedure to medication education, providing patient-specific education that supports regulatory objectives and improves outcomes.

CareNotes® delivers a single source of evidence-based patient education materials. These robust documents and tools provide patient-specific information at every stage of care — pre-care, inpatient care, lab test, continuing care, discharge instructions, drug information, and after-care.

Essential medication instructions for patient use include usage, precautions, interactions, and more, for both prescription and non-prescription drugs. This information is designed to reduce adverse effect incidents and enable proper usage for better outcomes. More detailed drug information is also available.

Alternative medicine treatment information can also be shared to give the patient the full range of options to be considered.

In addition, video and animated sources of patient education, for convenient patient viewing on the web or on in-room monitors, are also part of the Micromedex Patient Education product.

Nurses, pharmacists, and physicians will all benefit from being able to quickly find and share information directly in the workflow. Evidence-based materials on more than 2,200 drug topics, almost 50 medical specialties, and over 480 lab tests will help patients understand and be more satisfied with their treatment.

Benefits That Add Up to Better Outcomes

- Single source for evidence-based patient education materials
- Consistent patient education helps improve patient satisfaction and post-discharge patient adherence
- Support Core Measures with current education, including CHF, Stroke VTE; adhering to continuously changing regulatory objectives
- Achieve U.S. HCAHPS and Meaningful Use goals
- Streamlined directly into the workflow — regardless of your HIS architecture
- 15 languages, customized to your facility, and multiple delivery methods
- Evidence-based information from the trusted name of Micromedex
- Interoperable with your other systems to automate and track documentation
- CareNotes are customizable from the facility to the physician level

Micromedex Consumer Health Education

As a reliable community resource, this is an opportunity to enhance your credibility and reputation. By providing answers to important healthcare concerns to consumers through your website or portal, you can help to increase patient satisfaction, improve compliance, and provide your patients with consistent health information in any care setting.
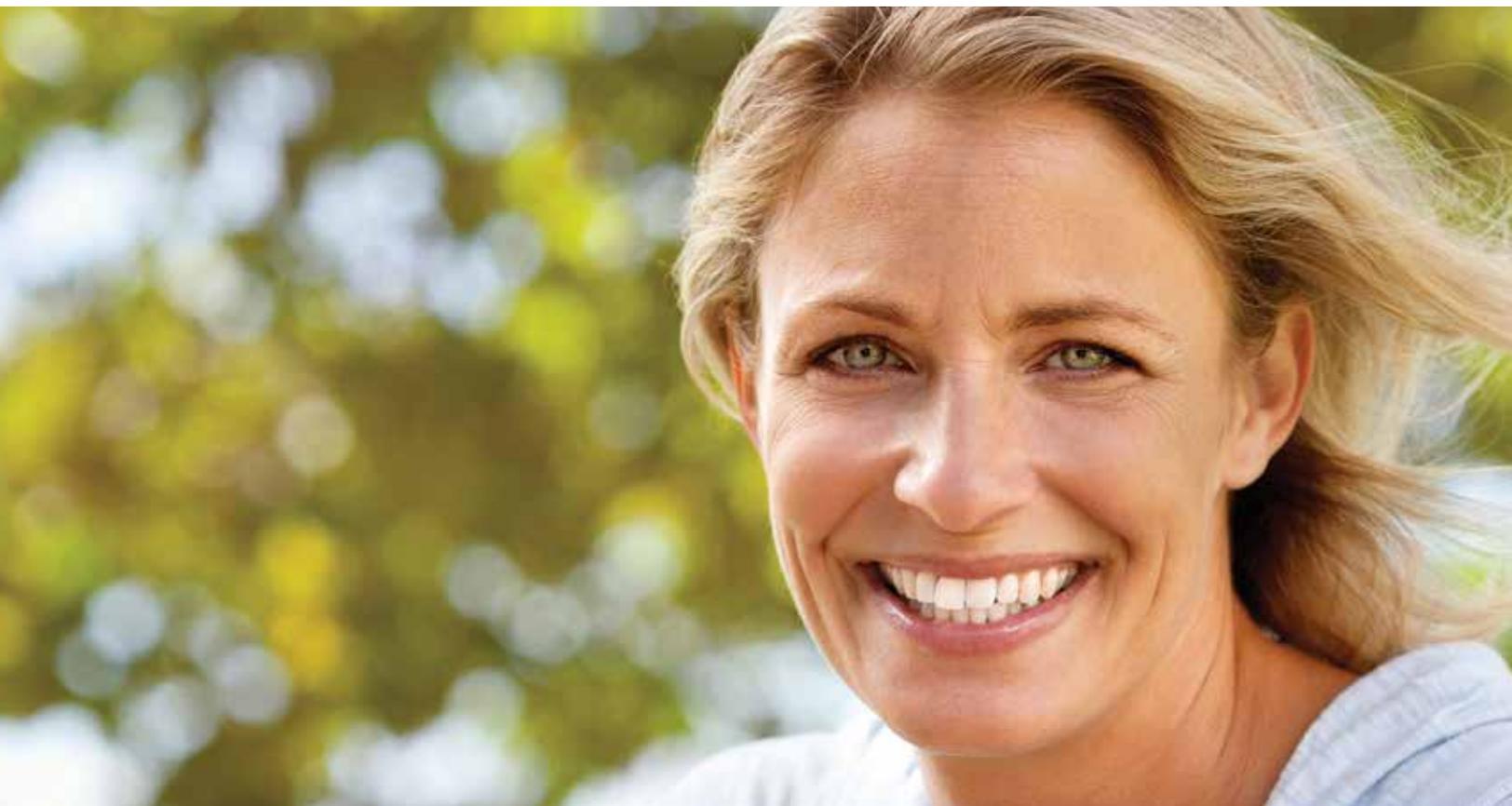
In addition, the Consumer Health Education solution provides valuable tools to strengthen your institutional brand, including actionable consumer multimedia content, customizable text inside the health information content, and tools to promote your strategic service lines online.

The Consumer Health Education solution allows you to leverage your consumer health content on your website, in your patient portal, within your marketing materials, and with tablet and smart phone applications designed for consumers.

An Easy-to-Access, Comprehensive Set of Consumer Health Tools

Among the modules that make up Micromedex Consumer Health Education is A.D.A.M. SmartEngage™, which includes:

- Consumer Healthcare Information: Featuring The Multimedia Encyclopedia, which leverages animations, videos, and illustrations to complement thousands of articles and links with answers to common questions about diseases and conditions, tests, injuries, treatment options, nutrition, and much more.

- A.D.A.M. Health Navigator: Designed to facilitate a true connection between the health topics consumers are searching for and your services. 3D avatars let you select the ethnicity, gender, and age that best represents your target audience.

- Wellness Tools: Six interactive tools for charting BMI, target heart rate, calorie burner, and more, including MyCheckUps.

- Mobile Offerings of Consumer Healthcare Information:
Including mHealth2Go, a native iPhone and Android application that includes the symptom navigator, multimedia encyclopedia, and GPS-enabled local care settings that let consumers find your hospital, local pharmacies, urgent care facilities, and more.

Additional modules available in our Consumer Education Solution include the A.D.A.M. SmartSite microsites, designed to increase the visibility of facilities' profitable services, through personalized pain assessment results, information about treatment options, and customizable branding strategies tools.

Trusted Evidence-Based Drug Information for Confident Clinical Decisions

The Consumer Health Education solution allows you to incorporate trusted Micromedex drug information in your portal or website. Specifically, it offers a complete set of concise drug summaries covering brand name and generic drugs that offer straightforward information on usage, indications, interaction precautions, and side effects.

These summaries are clinically consistent with Micromedex drug information in the Micromedex Medication Management product.

Important features include:
- Drug Interaction Checker for interactions with food, alcohol, tobacco, alternative medicines, and more.
- Consumer Lab Information with 500 lab titles, including descriptions, result interpretations, risks, procedures, and necessary follow-up.
- Detailed Drug Information for the consumer medications and their proper use, including prescribed and off-label uses for more than 11,000 drugs.
- Drug Identification for visually identifying unknown tablets and capsules by imprint code, color, size, and shape. Ingredient, manufacturer, and historical data of drugs are also included.

ENHANCE

COMMUNITY HEALTH

AND YOUR BRAND

Become the community resource of choice, with meaningful, accessible healthcare information, available only through your website.
- Attract potential patients with health information they're searching for online.
- Inform with consistent content provided at every touchpoint.
- Engage users with HD videos, interactive assessments, and a 3D avatar.
- Connect people to your facility to make an appointment, or find a class, a social media site, or your strategic service lines.

Micromedex 360 Care Insights

Proactively helps you to predict and monitor patient-specific clinical care patterns, preventing harm to the patient and meeting regulatory compliance and quality goals.

With real-time data from a single source, your clinicians are able to quickly identify at-risk patients and intervene to prevent potentially adverse events. This is the solution that will reduce risk, improve patient outcomes, continually build the quality of care, and help reduce overall costs.

CREATED FOR

THE WAY

YOU WORK

Prevention and Intervention for Any Occurrence

The 360 Care Insights Suite includes specific modules for:

Micromedex Pharmacy Intervention
Your single source for all the relevant, critical data a pharmacist needs to more efficiently manage medication therapy for all patients. This clinical dashboard presents intervention opportunities and provides medication decision support for off-label use to improve efficiency and patient outcomes.

Pharmacy Intervention includes prebuilt, pharmacy-specific rules developed by the editorial team from Micromedex Solutions to monitor medication therapeutic levels across the patient population. The pre-built profiles include, among others, antimicrobial, anticoagulation, and glycemic monitoring; IV to PO conversions; narrow therapeutic monitoring; patient safety; and target medications. Your team can also customize profiles based on your specific areas of need. Pharmacy Intervention is designed to support Meaningful Use requirements that require evidence-based Clinical Decision Support rules embedded in surveillance and clinical data monitoring applications.

Micromedex Infection Prevention
A real-time clinical surveillance and reporting tool that helps infection prevention staff identify and avoid hospital-acquired infections, decrease never events, and improve infection prevention. This powerful tool eliminates manual data reviews, alerts staff of potential outbreaks, simplifies mandatory NHSN reporting, and informs and improves prevention efforts.

Infection Prevention profiles cover healthcare acquired infections, such as central line blood stream infections, multidrug-resistant organisms, new infections, surgical site infections, and more.

Micromedex CareFocus™
This real-time data repository allows clinicians to receive current information and alerts on their mobile device for specific patient data criteria, including Core Measures and Patient Safety components. It means faster intervention and prevention to reduce infections and adverse events. It is designed to retain information in support of Meaningful Use requirements.

Micromedex Clinician Rounding
As patients move through your system, Clinician Rounding promotes a precise and streamlined process. Detailed communication to a census list by caregivers improves coordination, and reduces medical errors and duplication of tests and treatment. Pro-active alerts and recommendations for intervention and prevention ensure that no procedures are overlooked. The seamless patient transition also saves clinicians up to three hours per week in administration and communication.

Micromedex 360 Insights Platform
The enterprise-wide platform has data that meet unique needs and uses across departments, providing utilization of a single technology for clinical decision support, saving costs and IT resources. The ability to access these support solutions remotely and from mobile devices means 24/7 availability and constant attention to patient safety. Even with HIS or EHR downtime, the independent technical environment of this platform allows clinical decision support processes to continue, further contributing to patient safety and better outcomes.

The Value of a Single Platform
- Efficiency gains — reduces duplication and errors
- Clinical consistency
- Customizable profiles
- Single, consolidated dashboard for ease of use in real-time
- Support and service from one company
- Provide insight to all quality and performance improvements
- A platform designed specifically for surveillance and analytics