MicroGuide™ Clinical Guideline Publishing Platform

Medical Organizations typically distribute antimicrobial clinical guidelines to their clinicians in the form of printed documents or on their intranet. This information is not easily accessible, or always up to date, when clinicians are treating patients at bedside or outside a healthcare facility.

Used by over 130,000 clinicians, worldwide, MicroGuide™ is a software services platform that provides access to a bespoke clinical content management system to create, edit, and publish localized clinical guidance to the mobile devices of clinicians, and to a web viewer on their intranet, so they always have the latest guidance at patient point of care:

**Content Management System**
Our content management system is a live, secure web service that allows content editors to manage and publish their guideline at any time, from anywhere. The service is provided as a hosted solution with no hardware or software to install. Healthcare organization administrators access the system through a password protected gateway, where they can create, edit and publish guidance content with the aid of pre-built structures, condition templates, drug lists, and calculators.

**Mobile Device Application**
Clinicians access published guidelines with the MicroGuide™ mobile device application. The app is free, and available on Apple iOS and Google Android operating systems. Each time a healthcare organization updates a guideline, their users will be alerted and the latest version automatically downloaded to their mobile device. Clinicians will always have the latest guideline at the point of care, even in locations with limited network access.

**Web Viewer**
Healthcare organizations often have strict policies about who can and cannot use mobile devices throughout their facilities, as well as requirements to have clinical guidance available on desktop computers at all times. Our web viewer is a live website with a unique web address for each guideline, that can be embedded on an organization intranet.

**Decision Support Module**
This service enables medical specialists to easily create algorithms based on a simple question and answer format in Microsoft Excel that can be imported into the content management system. The user is asked 4–6 simple questions and, depending on their input, the system will recommend an outcome (ex. a drug regime) that is appropriate to their patient’s unique condition or profile.

**Guideline Publishing Services**
We offer a range of publishing services for healthcare organizations that do not have the bandwidth to produce and maintain their library of guidelines on the MicroGuide™ services platform. We developed our publishing standards from the latest research in user experience and interface design for healthcare mobile applications. Our services include:

- **Content Management**: editing, formatting, updating
- **Data and Information Visualization**: charts, graphs, diagrams, illustrations
- **Localized style manual**: PDF and/or web format
User Interface Design Versatility
In addition to antimicrobial clinical guidance, many of our clients have created a library of guidelines across a range of topics such as oncology, pain management, diabetes, wound care, and emergency medicine. MicroGuide™ is especially useful as an educational tool to facilitate clinical decision making in teaching hospitals.

Note
Record and save notes connected to a specific page for future access

Like
Like a section that is particularly useful or well written

Send
Send a page by text, e-mail, or any social media or notes application

Bookmark
Bookmark a page for quick reference

Pre-Set Design Templates
Utilize a library of pre-built templates to assist in the organization of your guideline content for easy navigation and access on the small screen of a mobile device

Tables
Create custom tables within the content management system or create in Microsoft Word and import into MicroGuide

Lists
Create organized lists that facilitate reading
Client Testimonials and References
The MicroGuide™ software services platform is used by over 120 healthcare organizations worldwide, including the UK, USA, Australia, Ireland, New Zealand, Asia, Africa and Europe. Following is a sampling of client testimonials and references:

Virginia Commonwealth University Health System
Here at VCU, we have around 1,000 MicroGuide users and our overall experience has been that MicroGuide is an eloquent and simple solution for providing point of care guidance for practicing clinicians in terms of optimal antibiotic prescribing.

Michael Stevens, MD, MPH, FACP, FIDSA, FSHEA
Associate Professor of Internal Medicine
Associate Chair, Division of Infectious Diseases
Director, Antimicrobial Stewardship Program

University Hospital Southampton NHS Foundation Trust
MicroGuide has supported a sustained reduction in prescribing of high-risk broad-spectrum antibiotics from 40% to 28%, coinciding — alongside successful infection prevention initiatives — with a fall in Clostridium difficile infections from 60 a month to less than 10 a month. Here at University Hospital Southampton we recently implemented the Decision Support Module (DSM) onto our MicroGuide platform. Feedback from front-line clinicians indicates that the DSM is popular and is helping doctors to tailor antibiotic therapy to the unique circumstances of individual patients. We are confident that the addition of DSM to MicroGuide will further improve the quality and safety of patient care, resulting in better clinical outcomes, as well as promoting antimicrobial stewardship.

Dr Kieran Hand, FRPharmS
Consultant Pharmacist for Anti-infectives

Angkor Hospital for Children Siem Reap
I think that MicroGuide is great for us because it is based on Cambodian research not global research. “That’s what it’s all about. There is a lot to be said about having your own guidelines. Putting your own stamp on them and your own tweaks is a very positive thing. Making them accessible by MicroGuide so everyone can see them is a powerful tool.

Dr Paul Turner
Director of the Cambodia Oxford Medical Research Unit at the Angkor Hospital
Associate Professor, University of Oxford

University of Iowa Hospitals & Clinics
Through thoughtful design and implementation of a mobile CDS, our AST is better able to provide cutting-edge clinical recommendations directly to the fingertips of prescribers in our institution. Successful implementation allowed us to broaden the scope of what was initially an antibiogram-focused delivery platform to standardized guidelines for diagnosis and treatment of infections and delivery of infection control and epidemiological information.

Brian Hoff, PharmD, BCPS
Clinical Pharmacy Specialist – Infectious Diseases
Co-Director, Antimicrobial Stewardship Program
Department of Pharmaceutical Care