

The right information,
to the right people,
at the right time.

Quris® Guidelines Overview

Version: 2.5

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Quris® Guidelines is...

Quris® Guidelines is a **clinical decision support platform** that is offered to healthcare providers as a **Software as a Service** (SaaS model). Quris® addresses the key issues of existing solutions and utilizes the latest standards and protocols applicable. Quris® is **simple** to implement, **integrates with all major EHR vendors**, has **minimal demand upon organizational IT department** resource and is has a wide range of applications.

Benefits

Quris® Guidelines dramatically **improves the ease and speed of access to clinical guidance, protocols, pathways, algorithms and other decision support resources**, at the right time, by the right staff. This is possible using any device, both online and offline, including via the EHR system.

With equal importance, Quris® Guidelines also significantly **improves the governance, management, quality and standardization** of decision support resources through a web-based clinical knowledge management system employing standards and technologies such as AGREE II, HL7 FHIR, SMART and CDS-Hooks.

The result is a **reduction in unnecessary variation, reduction in medical errors, quicker learning/feedback loop for practice improvement and more effective governance** around critical information that typically resides in a non-standardized format, buried within a not-fit-for-purpose Intranet or similar. Quris® Guidelines addresses the key areas of deficit within most healthcare organizations and their local practice and procedures (1) **improving utilization**, (2) **reducing the burden of management**. If not addressed these issues will negatively **impact on clinical safety** and will either, increase the time/resource required to manage clinical guidance/resources, or decrease the quality and impact of such resources.

Quris® Guidelines is currently used within five US healthcare systems:

- University of Washington Medical Center, WA
- University of Michigan Medical Center, MI
- University Medical Center New Orleans, LO
- Louisiana State University Health, LO
- Tulane University Medical School, LO

Additionally, the Quris® Guidelines is used within all of the 14 regional NHS health boards within Scotland, UK, and is being used as the core component for a national decision support platform.

Use Cases

Across **all medical areas**: clinical handbooks, guidelines, pathways, protocols, algorithms, checklists, risk scoring tools, clinical calculators, prescribing, antimicrobial, policies and procedures, staff directories, training and education, Administrator On Call (AOC), regulatory compliance.

Additionally, Quris® Guidelines is now being used for **patient directed services** including: shared decision making, patient reported outcomes, self-management, discharge patient information, patient education and more.

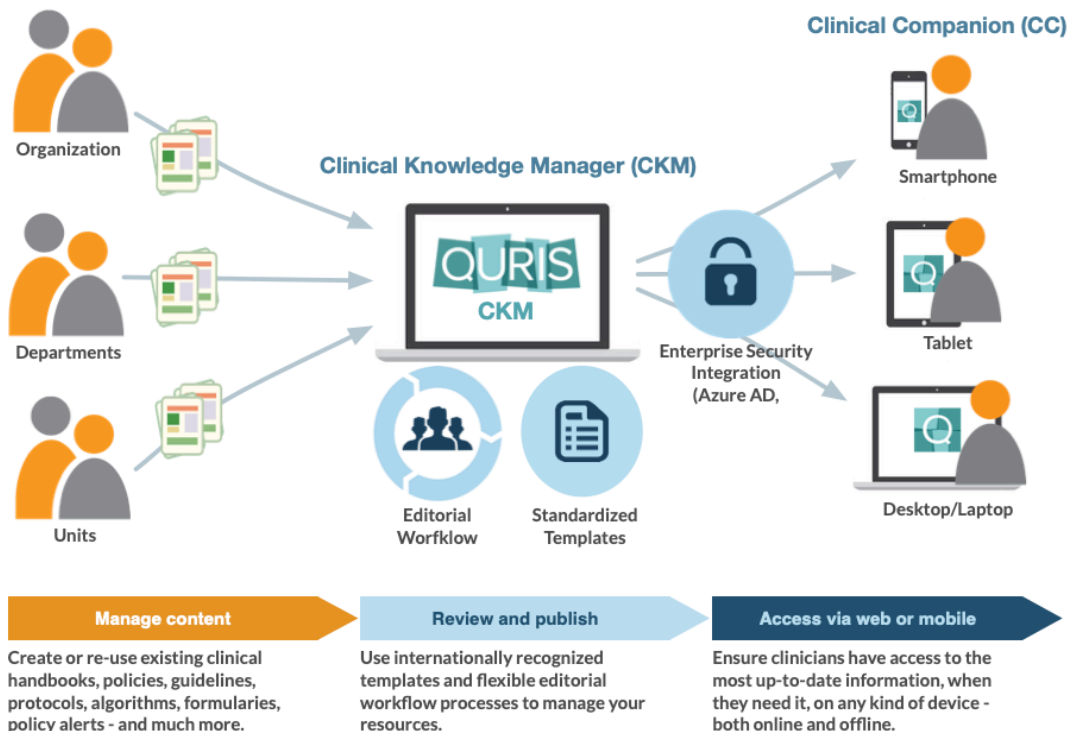
The Quris® Guidelines platform comprises of two key components: (1) **Clinical Knowledge Manager (CKM)** used to manage, edit and control a wide range of clinical resources, and (2) **Clinical Companion (CC)** used by clinicians to access resources delivered by the CKM. The user interface is provisioned as both a (2a) client specific **mobile app** and (2a) client specific **website** (or alt. integrating with existing Intranet platform, e.g. SharePoint).

Clinical Knowledge Manager (CKM)

The CKM allows resources such as handbooks, local guidelines, protocols, algorithms, pathways, medical calculators, scoring tools, etc. to be packaged together and distributed to relevant staff members. Resources can be re-used from intranets and/or created directly within Quris®. Flexible editorial processes ensure governance requirements are met, and resources can be shared across the entire organization, specific departments or even individual staff groups. Standardized templates support editorial activities to ensure consistency and best practice across resources.

Clinical Companion (CC)

The CC offers Android and Apple/iOS mobile apps allowing users access via smart phones and tablet devices. Access is also available using desktop web browsers. The mobile app syncs content upon opening and will allow users to use the resources thereafter without data/internet connectivity. When offline, the app will detect if resources are 'out of review' (or have expired) and inform users accordingly. Changes to resources are notified to relevant users and 'pushed' out instantly to ensure staff remain up-to-date at all times. The CC can be integrated with existing enterprise security services to control access.



Enterprise Authentication

Access to resources made available through Quris® Guidelines can be secured through integration with your organization's existing enterprise security system. A number of different protocols are supported including; **Azure-AD (incl. OAuth, OpenID), ADFS, SAML2 and WS-Federation**. Alternatively, the app can be 'open' (i.e. no login) or protected through a simple 'passcode' mechanism.

EHR Integration

The Quris® Guidelines platform can be integrated with Electronic Health Record (EHR) systems to ensure that clinicians can access the most up-to-date local guidance, protocols and algorithms within context of the patient record. EHR integration has a number of options including; HL7 (V3) "Infobuttons"¹, supported by all of the top EHR vendors including Cerner, Epic Systems, McKesson and Allscripts. Additionally, Quris® Guidelines supports the **SMART on FHIR**² and **CDS Hooks**³ standards used to integrate Clinical Decision Support (CDS) services. SMART has been adopted by some key EHR vendors including: Epic, Cerner and Allscripts.

Security/Certifications

Using Microsoft as our preferred hosting platform ensures clear security and privacy requirements are consistently met. Azure meets a broad set of international and industry-specific compliance standards, such as **General Data Protection Regulation (GDPR)**, **ISO 27001**, **HIPAA**, FedRAMP, SOC 1 and SOC 2, as well as country-specific standards, including Australia IRAP, UK G-Cloud and Singapore MTCS.

See **Quris® Quality, Security & Compliance** paper for further details.

Hosting

Quris® Guidelines can be deployed as (i) cloud or (ii) on-premise as required. Our preference is to use Microsoft Azure within one of the many USA or European Azure Regions. The technical components for a complete Quris® deployment include:

1. Microsoft **Azure Web App**, Microsoft **Azure SQL** instance, Microsoft **Azure Storage**

Each client/organization has its own **dedicated deployment** to ensure the high level of resilience, security and data protection.

More information can be found at: www.quris.com

¹ http://www.hl7.org/implement/standards/product_brief.cfm?product_id=208

² <https://smarthealthit.org/>

³ <https://cds-hooks.org/>