



MKM Health services and solutions

Advancing Cerner Millennium®

Helping healthcare providers extend Cerner solutions

The initial implementation of an Electronic Medical Record (EMR) is just the first step to support clinical workflows, deliver benefits and improve patient outcomes. Whether undertaking your initial implementation, transitioning to business-as-usual or planning the next phase of your adoption; MKM Health has the clinical and technical expertise to help you optimise your EMR investment and address key business requirements.

MKM Health has a broad range of experience and capabilities with the Cerner Millennium platform:

Data management and access

We have designed and created clinical data stores that consolidate information from key care delivery systems including EMRs, specialist departmental applications and other critical data sources based on industry standard methods and tools.

These projects result in ease-of-access to the valuable store of data, which may be held in multiple silos using intuitive and graphical tools. Our engagements embrace interaction with clinical and research experts to ensure we deliver on your expectations and the overall user experience.

Extracts and reporting

Using tools such as Cerner Command Language® (CCL), Discern Analytics® (DA) and other industry standard reporting techniques; MKM Health can define and develop management and operational reports, design reporting dashboards and generate data for analysis with your preferred Business Intelligence (BI) tools.

This helps you unlock the clinical data that is captured in your EMR and provides you with the information to support informed decision making and drive efficiencies.

Integration and interoperability

MKM Health have the capability to support, manage and develop your integration and interoperability requirements using standards such as HL7, C-CDA, XML and FHIR based on our experience with a range of industry integration engines and interoperability platforms.

We have engaged with many hospitals and health services, government health departments and agencies across Australia to provide expert knowledge and guidance for specific projects, as well as ongoing management and support.

MPages development

MPages® support a custom Graphical User Interface (GUI) that is fully integrated with the Cerner EMR, aligning with clinical workflows and populating the underlying database. Users can view and update data on a real-time basis.

Using the capability provided by the Cerner MPages Development Toolkit®, we can create custom web based applications that address your specific workflow and data collection requirements within your EMR framework.

SMART on FHIR

MKM Health can create plug-and-play clinical applications that extend the capability of the EMR at the point-of-care. This exploits the open standards defined by SMART on FHIR to address requirements for individual patients or population-wide queries based on the Cerner Open Developer Experience platform.

Using an open, standards based technology platform enables us to create innovative applications that run across your environment to provide information to your clinicians and researchers with meaningful and relevant context.



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Rules and validation

MKM Health have tools to improve the quality of your data at the point-of-capture with implementation of specific rules to ensure compliance. These rules contribute to data integrity and can be aligned with the generation of relevant notifications and escalations to support the care delivery process.

Establishing control of the data at the point-of-entry saves effort, improves accuracy and removes the need for retrospective action.

Solution build and configuration

During the course of a project or as a part of ongoing maintenance we have the capability to extend and maintain your Cerner Millennium® solutions from definition of rules, through to specific build and configuration requirements.

Using MKM Health's extensive knowledge of the Cerner Millennium schema and solution scope, we can help you to configure your scheduling protocols, update order catalogues, define rules, create clinical documentation templates and develop reports.

Project planning/management

MKM Health provides specialist resources to; facilitate requirements gathering, undertake business analysis, manage implementation planning, establish project frameworks and provide direct project management services.

Supporting all stages of the process project planning/management process, we have skills across a range of implementation activities such as project management, testing co-ordination, education planning, data migration definition and deployment planning. MKM Health can also assist from initial scope and business case definition, through procurement, and beyond to implementation.

Client success story: The Kolling Institute

The Kolling Institute of Medical Research was established over 80 years ago at Royal North Shore Hospital (RNSH) in Sydney. It is one of the leading centres of health and medical research in NSW and is jointly affiliated with the University of Sydney, through the Northern Clinical School, and RNSH in the Northern Sydney Local Health District. In October 2008 Kolling Institute researchers came together in a visionary new research facility that serves as a vital catalyst for the formation of new ideas, new collaborations and new discoveries.

The overarching research hypothesis undertaken by the Kolling Institute, is that integration of data can improve the appropriateness, specificity and efficiency of healthcare delivery through interdisciplinary research.

MKM Health provided technical skills and solutions to create a research database for the Kolling Institute that integrated data from the Cerner EMR and a number of contributing systems including pharmacy, cardiology, maternity and a range of Microsoft Access and Excel databases.

We used our Cerner Millennium® solution knowledge, integration expertise, data management and analytics skills to determine and source the required data (including pathology and radiology results); as well as defining a patient matching algorithm – to link the patient records arising from the various systems.

The final result is an integrated view of data that allows clinicians and research staff make informed decisions about their patients.

Contact us to find out how MKM Health can make a difference to your organisation...

www.mkmhealth.com