

IBM HEALTHCARE ROADSHOW 2009

IBM Healthcare Success Stories

John Crawford



Delivering excellent, individualized health and care experiences

SMART IS

Being able to travel anywhere in the country and still access your care providers and medical records.

SMART IS

Providing the world's most remote inhabited island clinicians with medical expertise and emergency assistance through advanced tele-medical care

SMART IS

Providers and delivery organizations preparing for patients based on current information prior to arrival in urgent situations.

SMART IS

Using advanced telemetry to monitor patient health in real time and better manage chronic medical conditions.

Delivering excellent, individualized health and care experiences



A leading care delivery organization: Centralized its systems to allow patients to move easily from one facility to another, increasing flexibility and speeding billing while reducing administrative effort and cutting the chance of error.



A metropolitan area system: Allows first responders seamless and transparent collaboration, reducing patient processing time and making EMS efforts faster and more effective—for a 10-15% improvement in productivity and a proactive patient experience.



An international project: Combines medical equipment, satellite communications and remotely supported electronic health-record technology to help medical experts to assist clinicians with diagnoses and emergency support.



Storstrøms ErhvervsCenter: Created a predictive health monitoring system that uses advanced telemetry technology to monitor elderly patients and share data with healthcare providers in real time, increasing efficiency and success in chronic illness management.

Optimizing best healthcare practices

SMART IS

Standardizing clinical practices across health systems, informed by integrated information.

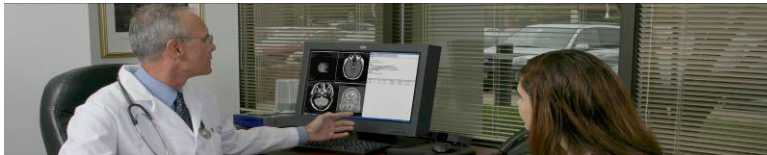
SMART IS

Performing evidence-based diagnoses based on similarity to pre-diagnosed cases, leading to more informed conclusions and better patient care.

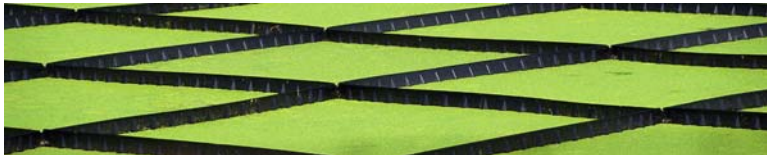
SMART IS

Creating a more effective IT foundation for transformational clinical initiatives

Optimizing best healthcare practices



Servicio Extremeño de Salud: Designed a regionally integrated system that enables patients to go to any health center in the region knowing the doctor will be able to view their complete, up-to-date records for faster clinical decision-making.



Swedish Medical Center: Designed and brought a world-class data center online in less than 12 months to support its transition to a major clinical information system, enhancing quality and speed of medical services and providing noticeable financial savings 24x7.



IBM Research: Advanced Analytics for Information Management (AALIM) seamlessly extracts, analyzes and correlates multi-modal cardiovascular information across patient records and enables statistical validation of diagnosis by gathering evidence from similar patient data.

Creating new healthcare service models and markets

SMART IS

Realizing the potential benefit of genomics in pediatric research by streamlining the management of clinical information.

SMART IS

Identifying actions to stem the impact of chronic diseases like diabetes, heart disease or stroke by modeling disease progression.

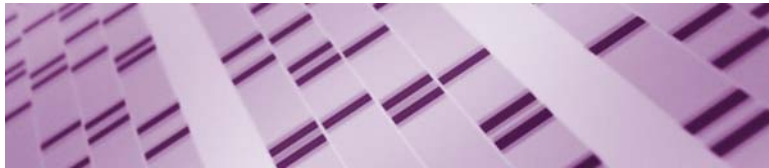
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Having access to a person's full medical and familial history and coaching them on care provider selection and health.

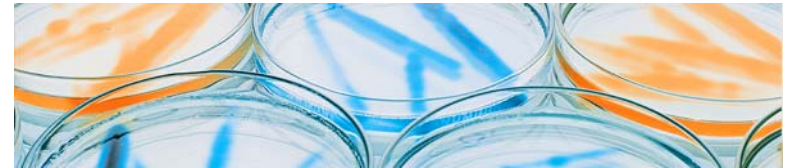
SMART IS

Monitoring patients and analyzing data in real time, enabling proactive responses to medically significant events or abnormal clinical values.

Creating new healthcare service models and markets



Ste. Justine Hospital Research Center: Created a continually updated reservoir of clinical and genomic information to accelerate research while cutting administrative costs by 75%.¹²



A major pharmaceutical firm: Is establishing a national “bio-bank” to help accelerate understanding of the underlying mechanisms of disease, conduct more focused clinical trials and ultimately transform healthcare delivery through information-based medicine.



Geisinger Health System: Integrates real-time clinical, financial, operational, claims, genomic and other medical information in a massive storehouse of intelligence that will assist doctors in improving patient outcomes, delivering more personalized care and making smarter decisions.



IBM Research Artemis Project: is integrating real-time monitoring, data analysis and decision support for a major hospital’s neonatal intensive care unit, enabling proactive responses to significant events.

Creating new healthcare service models and markets

SMART IS

Standardizing the sharing of health information and automating the analysis of infectious disease outbreaks to implement a fast, effective response to outbreaks.

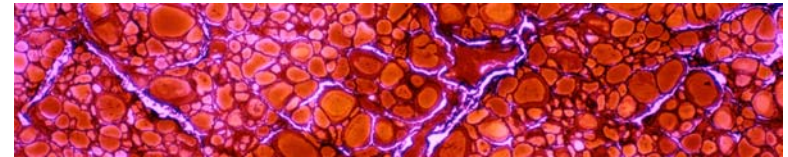
SMART IS

Monitoring impending disasters and proactively responding so individualized care is available immediately.

Creating new healthcare service models and markets



A regional initiative focused on surveillance of infectious disease: Enables nations to detect and respond to infectious disease threats by integrating and securely sharing data generated at clinical and public health institutions.



IBM Research: Partnered with leading organizations to launch the Global Pandemic Initiative, an effort to improve worldwide pandemic preparedness and responses, including proactively managing outbreaks.



We've only just begun to uncover what is possible on a smarter planet.

The world will continue to become smaller, flatter and smarter. We are moving into the age of the globally integrated and intelligent economy, society and planet.

To thrive in a Smarter Planet, we need a Smarter Health System that supports a healthier and more productive citizenry. There's no better time to start building a smarter health system. And there's no better time to invest in creating the kind of society we all desire.

Let's work together to drive real progress in our world.

