

IT'S TIME TO ADDRESS DIAGNOSIS QUALITY



isabel

Isabel is a validated, web-based diagnosis decision support and knowledge system designed to help improve diagnosis quality at the point of care.

In 2008, AHRQ intends to support research designed to gain a better understanding of the incidence, cost, determinants, and strategies for preventing or mitigating diagnostic errors (i.e., misdiagnosis, missed diagnosis, delayed diagnosis).

- Diagnostic error comprises a notable and costly fraction of all medical errors and has resulted in devastating consequences for patients, families, and health care professionals.
- Diagnostic error encompasses a broad array of factors including cognitive, systems, education, training, setting-of-care, disease-specific, and domain-specific issues.
- Examples of cognitive issues include flawed reasoning, incomplete knowledge, faulty information gathering or interpretation, and inappropriate use of decision-making heuristics (i.e. cognitive shortcuts used in decision making that do not always hold true).

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Diagnosis quality

- a compelling quality and clinical risk issue

Failure to consider reasonable alternatives

- single most common cause of misdiagnosis

Constructing a complete differential diagnosis

- reinforcing basic medical training and now possible in seconds using Isabel

www.isabelhealthcare.com

Who does Isabel benefit?

Providers

- Diagnosis support that covers all age groups, 11,000 diseases and 4,500 drugs
- Improved quality of decision making
- Immediate access to diagnosis and drug specific knowledge in near patient settings
- Reduced insurance premiums
- Reinforced decision making backed by up to date knowledge

Institutions

- Valuable continuing education for medical staff
- Increased competitive advantage
- Preferred image as a quality-oriented and high-tech health care provider
- Reduced insurance premiums and costs associated with misdiagnosis
- Enhanced referral network

EMR Vendors

- Enhance product offering to current and future customers
- Provide diagnosis support direct from the EMR interface
- Value addition to a static EMR by interactive diagnosis support
- Assist clients in reducing medical error, specifically misdiagnosis

Insurance providers

- Provide prospective participation with clients to reduce claims
- Assist clients to increase patient safety
- Be seen to be a driver of improved quality of care
- Provide greater value to current and future clients

Getting Evidence Based Medicine into diagnosis

Diagnosis quality is the key issue which has not yet been tackled and which predicates appropriate treatment and medication. Research has shown that the most common cause of diagnosis failure is premature closure. The way to avoid this tendency is for the clinician to work up a comprehensive differential diagnosis at the point of care. Isabel enables him to do this in seconds

Isabel differs from other decision support and knowledge systems by starting at the same point that a patient's journey frequently begins - with symptoms, signs and results of tests.

Isabel's user-friendly interface enables providers to quickly input a patient's key signs and symptoms using free text. A list of differential diagnoses, including bioterrorism diagnoses and causative drugs, are then instantly provided, determined by the context and meaning of the clinical terms entered, rather than by keywords alone.

Isabel & electronic medical records

Although Isabel is used as an on-demand standalone system, it can interface seamlessly with EMR systems.

Isabel's interface is fully customisable. Isabel is available 24 hours a day 365 days a year. Isabel has an audit trail function to monitor components that have been accessed.



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For more information about **Isabel** or to arrange a demonstration please contact us on : **703 787 0380** or ussales@isabelhealthcare.com or visit us at the **IHI Annual National Forum** at booth no. **116**