



# How do you detect a disease before it's terminal?

*The best hope for the survival of premature infants is the early detection of infection. Even the slightest change in vital statistics can reflect the onset of infection 24 hours before other symptoms occur. In the past, a neonatal nurse's ability to spot negative change patterns from data on a clipboard was the infant's primary lifeline. Today, doctors hope new monitoring systems will provide caregivers the foresight necessary to boost survival rates.*

## Improving the Odds

Researchers at Canada's University of Ontario Institute of Technology and doctors at several top institutions, including Ontario's famed Hospital for Sick Children, are teaming with IBM to develop a system that gathers patient data and provides instant trend analysis to uncover potential infections much sooner than previously possible. This intelligent prototype perpetually monitors more than 500 individual data streams in real time with instant data analysis. Medical professionals are better able to predict and, in more cases, prevent a detrimental medical outcome.

## Health Integration Framework

The IBM Health Integration Framework is a software platform for transformation in healthcare and life sciences to improve safety and quality of care, process efficiency, and patient and member satisfaction.

- Architectural blueprints focused on solving key healthcare challenges
- Based on a service-oriented architecture and open healthcare standards
- Healthcare-specific data models and middleware products to accelerate development, integration, and deployment
- Leveraging existing investments in healthcare applications, systems and business processes
- Ecosystem of Business Partners built on a common platform

## For More Information

[ibm.com/industry/frameworks/healthcare](http://ibm.com/industry/frameworks/healthcare)

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