



State of Michigan Serves as National Model for Better Healthcare

Broad use of sophisticated technology, integrated Medicaid/public health environment, and advanced analytics provide blueprint for other states to improve outcomes, reduce costs.

Information is the lifeblood of health care. **INGENIX**[®]



It seems appropriate that Michigan Governor Jennifer Granholm hosted the first White House Regional Health Care Forum in Dearborn in March of 2009, a conference designed to generate innovative ideas to improve health care. After all, for years the State of Michigan has been a national leader in driving innovation through its Medicaid and Public Health programs.

From the rural Upper Peninsula to urban centers like Detroit, the State has achieved dramatic success in improving health outcomes and reducing taxpayer costs, and one of the key components of that success has been the broad adoption of information technology and analytics to support diverse health-related programs.

Most recently, the Michigan Department of Community Health (MDCH) and the Michigan Department of Information Technology (MDIT), in partnership with Ingenix, a leading health information, technology, and consulting company, have combined to offer a blueprint on how other states might use sophisticated

data warehousing strategies and analytics to improve health outcomes nationwide.

With Ingenix’s support, MDIT and MDCH integrated data from 15 separate health-related program areas – 41 different data sources – (see accompanying chart) into a single, unified data warehouse environment. Then, also with Ingenix’s assistance, MDCH and MDIT applied advanced analytics to assess care and costs across multiple programs and examine statewide health issues.

This broad analysis enabled MDCH to make better-informed decisions that drove greater access to care and more targeted preventive efforts.

Enterprise Data Sharing = Program Actions and Results CONDUCTING ADVANCED HEALTH CARE ANALYTICS



Learn more about how governments are improving health efficiency with technology, visit ingenix.com/government or call (800) 765-6713.

“Despite the worst economic downturn in decades, we’ve achieved outstanding results in our effort to expand access for more people in need by lowering health care costs. We continue to look for new ways to apply technology and advanced analytics to support our mission of improving health outcomes while serving more residents more efficiently.”

Janet Olszewski, Director, Michigan Department of Community Health (MDCH)



Some of the key results from Michigan’s use of technology and analytics to improve health care outcomes include:

Lead Poisoning Prevention Success

Michigan used the data warehouse and advanced analytics to reduce the number of children with lead poisoning by 35 percent from 2003 to 2007; increase the percentage of Medicaid-enrolled 3-year-olds screened for lead to 72 percent as of January 2009; and identify the 14 Michigan communities that represent nearly 80 percent of all child lead-poisoning cases and targeting lead poisoning prevention efforts to them. This effort was undertaken in conjunction with an MDCH-commissioned population-based study conducted by the University of Michigan, and supports the work of the Childhood Lead Poisoning Prevention Task Force (CLPPP) in Michigan, which provides services such as education, blood screening, tracking, reporting, quality assurance, and evaluation.

Influenza Prevention Success

Michigan identified 59,000 children on Medicaid at risk of flu complications during the 2006-2007 flu season, then provided pop-up messages to physicians as they accessed medical records for these children, encouraging the administering of a flu shot. The MDCH identified children with one or more high-risk conditions, using the data warehouse to analyze Medicaid paid claims for any inpatient, emergency department, and outpatient services reported for high-risk conditions; or Medicaid pharmacy claims for those with four or more annual asthma medication dispensing events. Children with

high-risk conditions were also identified using any of the high-risk conditions specified in influenza vaccination guidelines.

Cost Reduction Success

The State estimates that it has removed approximately \$200 million in annual costs from its healthcare programs since 2005, based on efficiencies and improved health outcomes achieved through the use of its data warehousing solution.

This visionary use of technology to improve healthcare is nothing new for Michigan. The State began its long-term partnership with Ingenix in 1994 with the creation of the nation’s first Medicaid data warehouse to monitor claims for quality of care, overpayments, and fraud and abuse. Since then, Ingenix and Michigan have worked closely as the data warehouse and accompanying analytic capabilities have evolved.

Today, Michigan has the most robust, sophisticated enterprise-wide Business Intelligence/data warehousing solutions in the country – one that helps manage all of its public Health and Human Services programs, as well as most of the state’s other large programs, agencies, and departments.

**It is an example of innovation at its best.
And Michigan is healthier for it.**

Register for the May 14 webinar—“The state of State Budgets, and How Technology is being Leveraged to Improve Health and Human Services Performance,”

“We pride ourselves on being early adopters of leading-edge technologies that help our agencies achieve their goals and objectives. Our approach is to be strong partners with agencies and departments in helping them employ technologies and use information to better serve Michigan citizens.”

“Michigan is a terrific example of how states around the country can make their Medicaid dollars go further and take better care of their citizens by making smart use of information technology. We are so pleased to have been able to partner with Michigan to help the State achieve its goals.”

Visit ingenix.com/government or call **1-800-765-6713** to learn more and register for the webinar **“The state of State Budgets, and How Technology is being Leveraged to Improve Health and Human Services Performance,”** scheduled May 14.

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