



Center for Technology Solutions

Improving Health Outcomes and Organizations Through Technology Solutions



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ABOUT THE CENTER FOR TECHNOLOGY SOLUTIONS

The Center for Technology Solutions (CTS) at Michigan Public Health Institute (MPHI) creates technical solutions to address public health challenges. We have been a trusted health data partner since 2004, committed to supporting the evolving needs, wants, and workflows of our clients. Our experienced team of developers and technical staff work together to design, develop, test, host, and support complex and secure website applications. We offer the expertise required to advance your business with full Systems Development Lifecycle Services for websites and data-driven web applications. Our goal is to connect people with the knowledge and resources needed to increase efficiency and support public health decision-making.

Services Offered



Business Analysis & Project Management

Our dedicated team works hand-in-hand with clients to put them on the path to success by providing expert IT assessments, planning, and implementation of technical tools to make your internal processes more efficient. Our team provides an introductory needs assessment to collect data in an effort to understand a client's process and identify any gaps that need to be addressed. Once a client solution is identified we are fully equipped to manage the project from conception to implementation. We will always provide non-technical and easy-to-read documentation making all your IT solutions both understandable and sustainable within your organization.





Custom Built Web Applications

Each custom web application is specifically designed to meet the needs, wants, and workflow of the client. Data collection and reporting features are fully customizable and easily integrated with other systems. We stringently test our applications to ensure quality, while supporting the application after go-live. We want our clients involved every step of the way to guarantee that the product meets their expectations.

Website Development

In designing rich-content websites for our clients, our team creates, supports, and maintains solutions in WordPress, a powerful platform and flexible solution for creating, managing, and distributing content on the web. We provide a tailored solution that is customizable, engaging, and interactive, while allowing for easy content management by the end-user.





Data Management Solutions

We specialize in developing advanced data management solutions that are critical to the public health sector. Research Electronic Data Capture (REDCap) is one tool we use to build and manage online surveys and databases that are secure, easily adaptable and provide a user-friendly interface. Every data solution we develop provides a customized experience to maintain a robust network for advancing research, building relationships, and adhering to the highest compliance and regulatory standards.



All of our technical solutions are secure, HIPAA-compliant, mobile-friendly, and accessible (ADA, Section 508).



Examples of Our Work

Our team has a diversified work portfolio that emphasizes strong partnerships with our clients, the passion we have for our work and creating a perfect business solution to meet the need.



Project Highlights

Michigan Death Notices System (MDNS)

MDNS was developed to manage electronic death records for the Center for Child and Family Health at MPHI. The State of Michigan Electronic Death Records System (EDRS) sends an electronic death certificate for decedents 18 years old and under via a web service to MPHI as soon as it is entered at the state. Each time MDNS receives a death, it is forwarded to the National Fatality Review Case Reporting System (CRS) “holding tank”. MDNS allows Michigan death review teams to create a case with information pre-populated from EDRS death records.

Michigan Family to Family Website

The [Michigan Family to Family website](https://f2fmichigan.org/) (URL: <https://f2fmichigan.org/>) is a health information center that shares resources on disability and health-related issues with families of children with special health care needs, as well as health care providers. The website supports families with hundreds of resources at the local, state, and national level. These resources have been “tagged” with predetermined keywords, categories, and counties, allowing families to make decisions that are in their best interest.

Project Highlights

Michigan Drug Assistance Program (MIDAP)

MIDAP was developed to help ensure that people living with HIV and AIDS who are uninsured and under-insured have access to medication. With 2,500 program participants and an average monthly medication cost of \$1,000, MIDAP is federally funded by the Health Resources and Services Administration's (HRSA) Ryan White HIV/AIDS Program, Part B appropriation.

The Michigan Comprehensive Lead Exposure & Abatement Registry (MICLEAR)

MICLEAR was developed to protect Michigan residents against the threat of lead in their homes. The MICLEAR project consists of both the [Lead Information Registry](https://leadinforegistry.state.mi.us/) (URL: <https://leadinforegistry.state.mi.us/>) and the MICLEAR core application. The Lead Information Registry gives the public access to lead hazard information for properties that have been investigated or abated, while allowing renters to feel more confident about their home. The MICLEAR core application handles the Abatement Application process from start to finish, allowing intake coordinators to approve or deny applications for an investigation.

Project Highlights

Michigan Health IT

The [Michigan Health IT website](https://michiganhealthit.org/) (URL: <https://michiganhealthit.org/>) was developed to share information on the impact that technology has on health care in Michigan and provides resources for health care professionals, hospitals, payers, provider association groups, and patients.

Michigan Committee on Juvenile Justice

The [Michigan Committee on Juvenile Justice website](https://michigancommitteeonjuvenilejustice.com/) (URL: <https://michigancommitteeonjuvenilejustice.com/>) was developed to share advice, suggestions, and solutions in a collaborative manner for the Department of Health and Human Services.

Medicaid Eligibility

MPHI partnered with Michigan Department of Health and Human Services (MDHHS) to streamline Michigan's Medicaid eligibility verification process. This application allows registered providers to query patients for Medicaid eligibility. It also provides real-time/batch HIPAA 270/271 transactions for providers through Michigan's Community Health Automated Medicaid Processing System (CHAMPS).



Kerie Hughes, *Director of Technology Solutions*

Kerie oversees the strategic and day to day operations of the Center for Technology Solutions and has over 20 years' experience. She also manages the business development, project management, and business analysis teams.

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Sonya Groesser, *Associate Director of Business Applications*

Sonya oversees the day-to-day operations of the Business Applications section and has over 11 years' experience. She manages the commercial off the shelf products for the center including but not limited to: SharePoint, WordPress, Zendesk, Smartermail, Binary Canary, and Go Daddy.

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Nate Clark, *Associate Director of Development*

Nate oversees the day-to-day operations of the Development section and has over 10 years' experience. He also serves as technical lead and manages the .NET Development team, and is a crucial point of contact for the client.

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DRIVING INNOVATION

Technology is a point of strength in any business which in turn drives innovation. Innovation helps run businesses more effectively which will increase value, enhance quality, and boost overall productivity. Let our team partner with you to help your business drive innovation.



Learn More About Us:

To learn more about our team, please visit the [Center for Technology](https://mph.org/our-teams/center-for-technology-solutions/) page on the MPH website (URL: <https://mph.org/our-teams/center-for-technology-solutions/>).