



SOLUTION BRIEF

PUBLIC HEALTH SURVEILLANCE

The ability for Public Health front-line clinicians to have streamlined access to reporting mechanisms without duplicate entry can be achieved efficiently and cost effectively.

Learn More

To learn more about how Sierra's Health services can help maximize the benefits of your Public Health Surveillance System, contact us:

contact@sierrasystems.com
1-877-688-1371
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CHALLENGE

High profile disease outbreaks such as SARS, pandemic H1N1, and potential threats of bio-terrorism have highlighted the need for health surveillance systems across Canada. Canadians expect health jurisdictions to detect and monitor outbreaks of disease in its early stages and employ rapid response mechanisms that alert practitioners and the public to the risks and necessary precautions to be taken both to avoid and manage infection.

Fragmented and isolated systems that do not support effective data sharing can hinder the surveillance and management of information when an outbreak occurs. As a sector of the health industry that has historically been under-funded the necessity to improve is paramount. Key information systems projects vital to Public Health are underway, focused on the need to gather and provide effective disease related information to a wide range of providers.

SIERRA'S SOLUTION

We provide committed teams, distinguished by practical experience working in the Public Health industry, that have a track record of ensuring success. Our skilled Public Health teams assist jurisdictions in the delivery of information technology solutions with comprehensive functionality to proactively support Public Health through:

- Increased ability to manage, control, monitor and report on the incidence of communicable diseases;
- Increased capacity to manage outbreak and pandemic situations;
- Enhanced ability to perform population surveillance on communicable diseases and infections;
- Increased the efficiency and readiness to respond to emergent situations;
- Improved client and population outcomes in the area of communicable disease management and control.

Sierra Systems has the resources to enable the proactive management of Public Health threats, the early detection and intervention by healthcare professionals, backed up with the technology solutions that enable two-way real-time communications with all key health stakeholders. An implementation managed by our organization can ease the strain by helping achieve new levels of accessibility, security, efficiency and quality in Public Health Surveillance information technology solutions.

Our client focus, on-time and on-budget delivery, project management skills and technical expertise can aid improved care decisions to be made, reducing the total cost of ownership, enhancing the value of any Public Health Surveillance solution.

BENEFITS

Having practical experience implementing large scale Public Health Surveillance and planning solutions that support and enhance the delivery of healthcare, Sierra Systems is uniquely positioned to leverage this experience to our customers benefit.

We can assist with the implementation of solutions to improve the timeliness and accuracy at the point of data capture for accelerated case management, reporting and surveillance of communicable and notifiable diseases as well as other case-managed communicable diseases. We have the skills and knowledge to assist in the implementation of a wide range of solutions, and have deep experience in providing Public Health professionals with a common, timely, accurate and integrated view of individual and/or population based information systems.

The early detection of emerging issues, monitoring disease pattern changes, and targeting the prevention and control measures are priorities Sierra understands. The support of effective immunization programs through the reporting of immunization coverage rates in real time enables both individual and mass immunization uptake and vulnerability forecasting for both routine and rapid response immunization schedules, allowing for targeted follow-up.

We offer support in the implementation of health information systems and processes which support all members of health care staff: Public Health front-line clinicians, administrative staff, Public Health managers, medical officers of health, surveillance and reporting epidemiologists, infection prevention and control practitioners, as well as health information management teams.

OUR SERVICES

Sierra Systems is proud to be one of the longest established health information management and technology consulting providers in Canada. Our health industry clients include public sector organizations, federal, provincial and territorial governments, health regions, hospitals, continuing care services, Public Health and Mental Health clinics. We help clients realize their vision through:

- **Strategy Development, Planning, and Evaluation** – we help clients create their vision, plan new solution deployments, and evaluate existing systems;
- **Project Management** – Sierra Systems brings over 40 years of project management experience to successfully manage solution implementations;
- **Integrating Systems** – our team can integrate new solutions into existing health information systems environments, using industry standard messaging and interfaces;
- **Change Management** – we help our clients adopt and adapt to new business processes, ensuring that new solutions are accepted and used to their maximum potential; and
- **Systems Development** – Sierra Systems can custom develop a solution – in whole or in part. Or, we can provide technical and business expertise to implement package solutions from leading software vendors.