

XSentinel™ is an inter-jurisdictional surveillance system to support disease and event case management across borders.

XSentinel was designed to address the sharing of information between multiple health jurisdictions (local, state, federal, international). It promotes and standardizes communication work flow and replaces slow and unreliable methods of public health information sharing (fax, mail, and email). It augments existing disease reporting systems unique for each jurisdiction; there is no need to replace systems.

XSentinel combines data from disparate systems creating an “umbrella” disease monitoring application that extends the ability of users to view and monitor regional case and disease data, events, and outbreaks. XSentinel gives the users the capability to securely transfer case data between jurisdictions, create events or outbreaks, and notify and communicate with peers and senior staff. De-identification features allow surveillance data to be shared under existing data sharing agreements, creating an information source to support preparedness, resource allocations, outcome and regional based decision support.

Planned XSentinel extensions:

- Integration of outbreak management tools, including a dynamic form builder to facilitate inter-jurisdictional outbreak investigations.
- Incorporation of syndromic surveillance capabilities through electronic links to hospital emergency departments, providing a regional view of early warning indicators.
- Addition of inter-jurisdictional chronic disease surveillance features for TB, obesity, STDs, and cancer.

Technical Characteristics:

- Web-based.
- Supports secure electronic exchange of data.
- HIPPA compliant.
- Microsoft technologies.
- Easily hosted at any health authority.

What challenges does XSentinel™ solve?

If two or more health agencies are located on either side of a border (international, state, tribal, or metropolitan) have the need to securely share public health case data, communicate information, be aware of regional early warning and alerts within the local area, and leverage existing population health data systems, STC's XSentinel offers these capabilities and more.

XSentinel:

- ➔ Provides a secure information sharing environment augmenting existing electronic disease reporting systems (EDSS).
- ➔ Leverages disparate data sources to provide regional surveillance and situational awareness, while at the same time meeting confidentiality and data sharing requirements.
- ➔ Supports event and outbreak notification and inter-jurisdictional event management.
- ➔ Provides integrated data for epidemiologic investigations and management: case reporting, epi curves, spatial representations of data.



For more information or a demonstration, please contact:
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