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GERMWATCH: MOBILE APPLICATION TO HELP PHYSICIANS TRACK AND TREAT INFECTIOUS DISEASE

HEALTHCARE IT

Data collection and analytics system that monitors illness in local communities and provides disease information to support clinical decisions.

TECHNOLOGY TYPE

Disease
Bioinformatics
Software
App
Data Analysis

STAGE OF DEVELOPMENT

In use by University of Utah Health and Intermountain Healthcare.

LEARN MORE

For more information on GermWatch, please visit <https://intermountainhealthcare.org/germwatch>

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TECHNOLOGY SUMMARY

Hospitals rely on internal systems to monitor the incidence of infectious diseases and antibiotic susceptibilities. These monitoring systems fail to track and compile information across multiple organizations, which leaves significant gaps in disease reporting.

GermWatch collects and disseminates disease trends for a given geographic area to better inform clinicians, healthcare facilities, and patients of current risks. The system builds a disease profile that provides incidence levels, disease forecasting, and treatment information. This information can be accessed in real-time using the GermWatch website and mobile application, or can be disseminated via email. GermWatch helps providers recognize common diseases, while increasing diagnostic accuracy and treatment efficacy.

FEATURES AND BENEFITS

- Improves patient care by providing clinical decision support for the diagnosis and treatment of infectious diseases.
- Enables earlier detection of outbreaks by aggregating and tracking public health trends.
- Provides easy access to robust, previously unavailable data in real-time.

RECENT PUBLICATIONS

Gesteland, P.H., Livnat, Y., Galli, N., Samore, M.H., Gundlapalli, A.V. (2012). The EpiCanvas infectious disease weather map: an interactive visual exploration of temporal and spatial correlations. *Journal of the American Medical Informatics Association*. 19(6): 954–959.
doi: [10.1136/amiajnl-2011-000486](https://doi.org/10.1136/amiajnl-2011-000486)

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