ESSENCE monitors and provides alerts for rapid or unusual increases in the occurrence of infectious diseases and biological outbreaks.

**Product Features**

- Provide interactive reporting, structured analysis, ad hoc queries of disease syndromes, disease and injury categories, and reportable medical events
- Provide detection and alerts based on International Classes of Diseases Version 10 codes, pharmacy prescriptions, radiology and laboratory test orders, and advanced text parsing of patient chief complaints
- Provide actionable patient-identifiable data for further investigation or validation
- Provide alerts via application alert list, email and text message

**Benefits to the Defense Health Agency**

- Monitor worldwide Department of Defense outpatient health care data for certain medical syndromes and other trends of public health interest, using detection methods developed in partnership with Johns Hopkins University
- Allow Defense Health Agency epidemiologists and public health officers to obtain medical situational awareness and investigate reportable disease events