GRAPH DATABASE FOR OUTBREAK TRACKING AND MANAGEMENT

ABSTRACT

A graph database for outbreak tracking and management is disclosed. In an example embodiment, an outbreak management system includes a memory device storing instructions that define a graph database for disease outbreak tracking. The instructions specify for a given host that a host node is created and an episode node is connected to the host node via a ‘case’ link. The episode node is associated with episode parameters that are related to a disease classification of the host. In addition, the instructions specify that an outbreak node is connected to the episode node via a ‘part of’ link to indicate that the host has become part of an outbreak of the disease. The outbreak node is connected to a definition node via a ‘defined as’ link. The definition node specifies disease parameters of the disease that is related to the outbreak node.

FIG. 1