A two and three dimensional mapping solution of the Kingston General Hospital was created for the Kingston, Frontenac, Lennox and Addington Public Health [KFLSA] in order to aid their Occupational Health and Safety department in recognizing patterns of staff absenteeism.

Data was tied to spatially referenced departments within the hospital representing the number of staff absent in a given week due to respiratory or gastrointestinal illness.

A custom toolbar was created for use in both 2D and 3D environments enabling clients to quickly load data with custom symbology, labels and 3D properties. The outcome is used to visualize how illnesses spread between departments and in identifying potential communicable disease outbreaks. This data helps to characterize the occurrence and transmission of infectious diseases as well as increase infection control measures and ease the implementation of emergency plans within the hospital.