



# Interoperability Pavilion

## Demonstration Scenario Pandemic Flu

### SCENARIO DESCRIPTION

An outbreak of severe respiratory illness is identified in a small village overseas. Specimens collected from some patients are sent to The World Health Organization (WHO) Reference Center for Influenza at the Centers for Disease Control and Prevention (CDC) in Atlanta. The CDC determines a new strain of influenza and sends samples to the Food and Drug Administration (FDA) to begin work on producing a reference strain for vaccine production.

Toronto health authorities sent an alert to the CDC stating that a number of Canadian airline passengers arriving from overseas have the isolated virus and notes that many passengers on the same airline were US citizens. Although vaccine manufacturers have gone into full production, few people are vaccinated before the pandemic flu hits.

Shortly other cities start reporting similar cases. Within a few months, absentee rates reach all time highs. Emergency response agencies just like schools and businesses announce severe personnel shortages. Hospitals are overwhelmed.

Public health agencies send out alerts specifying potential symptoms and treatment options. State EOC's send out alerts to all emergency response agencies within their states urging them to vaccinate personnel and activate all available resources. Messages are also sent to all hospital and healthcare facilities asking for frequent bed availability reports.

### STANDARDS BEING DEMONSTRATED

The **EDXL Distribution Element (DE) with a Common Alerting Protocol\* (CAP)** payload is sent from the Public Health Agency of Canada to the CDC. The CDC sends out messages to all state public health agencies. They in turn alert State EOCs specifying symptoms and treatment options. Key personnel are notified.

State EOCs send out alerts to all emergency response agencies. They also send out alerts to all hospitals and healthcare facilities requesting continual bed availability updates. Hospitals and healthcare facilities send the necessary reports using the **EDXL HAVE** message.

### VENDORS PARTICIPATING

DE	Prototype	FMTI , EPAD Connect, ESi
	OASIS Public Review Draft	DGI
CAP*	1.0	FMTI , EPAD Connect, ESi, DGI , EmerGEO
	1.1	DGI
EDXL HAVE	Prototype	Denver Health, Oracle

\* An OASIS approved standard