


**Information Requirements
Development for an Increase in
Public Health Preparedness
Capacity**


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Common Ground is a national program of the Robert Wood Johnson Foundation®.
The Public Health Informatics Institute is the national program office.



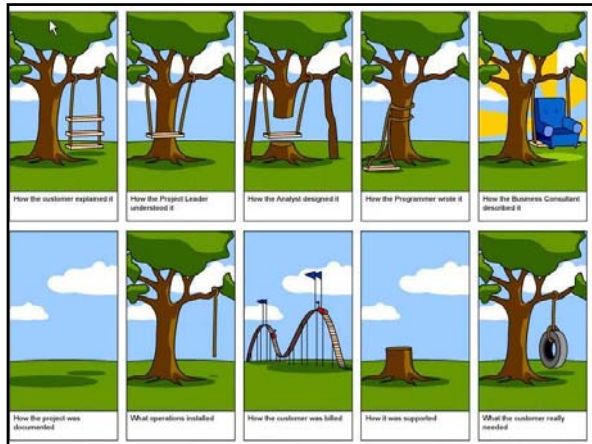
Schedule

- Introduction
- The Public Health Preparedness Business Process Interdependencies Diagram
- Business Process: Conduct Public Health Investigation
- Discussion



**Public Health Preparedness
& IT**

- Health Alert Networks
- Virtual Emergency Operations Centers
- Volunteer Management
- Workforce Development Tracking
- Surveillance
- Outbreak management
- SNS Inventory Tracking
- Client care



Collaborative Requirements Development Methodology

Business Process Analysis

think
How do we do our work now?

- Define goals and objectives
- Model context of work
- Identify business rules
- Describe tasks and workflow
- Identify common task sets

Business Process Redesign

rethink
How should we do our work?

- Examine tasks and workflow
- Identify inefficiencies
- Identify efficiencies with repeatable processes
- Refine business processes and business rules
- Remodel context of work
- Restructure tasks and workflow

Requirements Definition

describe
How can an information system support our work?

- Define specific tasks to be performed for optimized business processes
- Describe the implementation of business rules
- Describe in words and graphics how an information system must be structured
- Determine scope of next phase of activities


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Public Health Preparedness Collaborative


Six grantee locations:

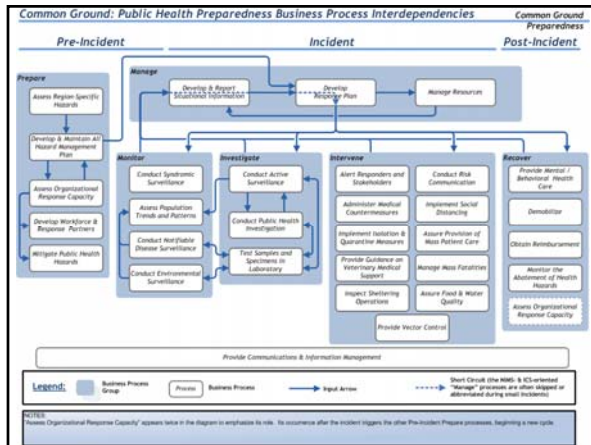
- Boston, Mass
- Marion County, IN
- New York State
- State of Maine
- Nashville, TN
- Spokane, WA


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What is the business of Public Health Emergency Preparedness?











Common Ground



- The premises/advantages/methodology of Common Ground has been discussed in earlier presentations
- One BP example that allows looking at public health emergencies as an extension of our routine functions is "conduct public health investigation"

 **Assumptions and Scope** 

- Applies not only to infectious disease outbreaks but also to outbreaks due to noninfectious causes, such as those with chemical etiologies
- Sequence of tasks used to determine the existence of clusters, outbreaks or other public health risks
- Triggered by surveillance, complaints, lab analysis, etc
- May include initial public health investigation as well as full blown investigation

 **Purposes** 

- To identify agent causing illness
- To determine source and how agent was transmitted
- To recommend appropriate public health interventions

 **BPM** 

- **Goal:** Decrease the time needed to identify causes, risk factors, and appropriate interventions for those affected by threats to the public's health
- **Objectives:** Identify the causative agent, mode of transmission, population at risk and recommend control measures with sufficient time remaining to protect the population at risk



Thank you

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