COVID-19 Safety from the Local (City) Level

CORY WORDEN, PHD*(ABD), MS, CSHM, CSP, CHSP, ARM, REM, CESCO
SAFETY ADMINISTRATOR – CITY OF HOUSTON, HR / RISK MANAGEMENT
CITY CBRNE ADVISOR & SAFETY ADVISOR TO THE HOUSTON HEALTH DEPARTMENT
Operations

- Combined Teams
- Public Health Operations
- School Assistance
- Advice and Consultation
Risk Management

- Hazard Analysis
  - Characteristics
  - Routes of Entry / Methods of Transmission

- Risk Assessment
  - Frequency
  - Severity
  - At-risk populations
  - Types of risk (congregations, possibly infectious patients, or known infectious materials)

- Risk Treatment
  - Risk Avoidance
  - Risk Acceptance
  - Risk Transfer
  - Risk Control
Risk Control – layers of protection, separate purposes

- Hazard Elimination – not absolutely possible (more akin to a risk transfer with location changes)
- Hazard Substitution – vaccinations
- Engineering Controls – air filtration & circulation, physical separation / barriers
- Administrative Controls
  - Temperature screening/medical screening/testing (medical surveillance)
  - Capacity management
  - Source control
  - Social distancing
  - Hand hygiene
  - Surface disinfection/sanitation
  - Contamination control (isolation, quarantine, zones/traffic flow, donning/doffing)
- Personal Protective Equipment (including Respiratory Protection)
- Reactive – isolation, quarantine, testing, disinfection, and contact tracing

Training
Communication

• Avoiding Mixed Messages and Confusion
  • Risk Management Strategy
  • Hazard / Risk Control Methods
  • Transparency about expectations and purposes
  • Training
  • Two-Way, Open-Door Communication
  • Emotional Intelligence
Leading Indicators and Follow-Up

• Inspections
• Observations
• Near-Miss / Good-Catch Reporting
• Surveys
• Open Dialogue / Meetings
• Adjustments and Response
  • Changes to regulations
  • Changes in inventories
  • Cases and exposures