HHS-ASPR COVID-19 Clinical Rounds
EMS: Patient Care and Operations

David Gerstner
Dayton MMRS Program Manager
Dayton Fire Department
Dayton MMRS

Funding:
- Regional Hospital Coalition
- Public Health
- HSGP
- MMRS NLG
COLLABORATIVE PLANNING

DMMRS

Hospitals (GDAHA)

Public Health

Fire, EMS, Law Enforcement, EMA

GDAHA, Dayton MMRS, GMVEMSC, et al Planning Jointly
Planning

- Pandemic Planning started in 2002
- Crisis Standards of Care Planning in 2006
Exercises

- Chemical Weapons Tabletop
- Chemical Weapons Full Scale
- Biological Tabletop
- IND in 2013
- "Radio-Logical" in 2014
- Code Silver (multiple)
- Active Shooter TTX & FSE (MULTIPLE)
- Pandemics are for the Birds!
  - February 11, 2020
Regional Cooperative Plan for Transport of Ebola & Special Pathogens Patients

West Central Ohio Biological Response Plan
O-H-I-NO It’s Ebola!

Exercise Plan
March 10-12, 2020

The Exercise Plan (ExPlan) gives elected and appointed officials, observers, media personnel, and players from participating organizations information they need to observe or participate in the exercise. Some exercise material is intended for the exclusive use of exercise planners, controllers, and evaluators, but players may view other materials that are necessary to their performance. All exercise participants may view the ExPlan.
Dayton MMRS Respiratory PPE

- N-95’s
  - Major purchase (1/4 million masks)
  - Shared purchase opportunity
  - Storage against Major Event (PanFlu, SARS, bioterror)
- Fit Test Kits
- Powered Air Purifying Respirators (PAPRs)
- Surgical masks (160K)
Greater Miami Valley EMS Council
Region/Ohio Homeland Security Region 3

- Guidance/informational bulletins for public safety (LE, Fire, EMS)
- Planning collaboratively and regionally with multiple disciplines and organizations
  - Public safety and EMAs
  - LHDs
  - GDAHA
  - GMVEMSC
  - Dayton MMRS
Today's Headlines: January 2, 2020

Biological Agents & Infectious Disease

**Undiagnosed Pneumonia – China (ProMED)** On the evening of [30 Dec 2019], an "urgent notice on the treatment of pneumonia of unknown cause" was issued, which was widely distributed on the Internet by the red-headed document of the Medical Administration and Medical Administration of Wuhan Municipal Health Committee.

**Daytime Activity — 2:42 PM, 1/22/2020**

Wuhan Coronavirus Update and Recommendations

Information regarding the 2019 novel coronavirus (2019-nCoV), first identified in China. This was developed with input from Public Health – Dayton & Montgomery County on regional Physicians Advisory Board. Patients with the virus have been identified in Canada, Japan, and the state of Washington. Below are recommendations on how EMS and other health officials may choose to manage the current situation. It is the responsibility of each agency’s medical director to determine the procedures for that agency. This is drawn from CDC recommendations from local/regional groups.

Concerns about this disease, but EMS deals frequently with infectious diseases. The use of other protective equipment in this outbreak, such as N95 masks, may offer protection from this coronavirus as well. CDC is closely monitoring the outbreak, and a CDC Health Update is attached. Over 300 cases have now been reported, with multiple deaths. Limited information is available regarding this illness. No vaccine or specific treatment for 2019-nCoV infection is available. Care is supportive.

CDC recommends obtaining a travel history for patients with fever and acute respiratory illness. At this time we are not recommending that Dispatch Centers/PSAPs screen callers for travel history. EMS personnel during on-scene assessment, should consider asking patients with lower respiratory illness about travel history with short, simple, open-ended questions: have you traveled outside the U.S. in the last three weeks and, if so, where?

If any patients meet both of the following criteria, the ED should be notified prior to arrival:

- Fever or symptoms of lower respiratory illness (e.g., cough, shortness of breath),
- In the last 14 days before symptom onset, a history of travel from Wuhan, China or close contact with a person who is under investigation for 2019-nCoV while that person was ill.

Patients under investigation for 2019-nCoV should be asked to wear a surgical mask. Use oxygen by nasal cannula if the patient needs it.

- EMS should use standard, contact, and airborne precautions, and eye protection.
- EMS personnel should wear: **Gown or Coveralls, Mask** or **Respirator, Goggles/Face Shield, and Gloves. Perform hand hygiene after patient care.**

After arrival at the ED, notify the healthcare facility’s infection control personnel following the Greater Dayton Hospital Association & Greater Miami Valley EMS Council Infectious Disease Exposure Reporting Policy.
Greater Miami Valley EMS Council (GMVEMSC) in conjunction with Dayton MMRS, area public health and emergency management agencies, and the Regional Physicians Advisory Board have created this site to provide resources and information on the COVID-19 outbreak.

For more information, please select a page from the menu or an article below.

**Sections**

- EMS
- Law Enforcement
- Dispatch
- Training
- News, Information and Situation Reports
COVID-19 Challenges

▶ PPE
  ▶ Shortages
  ▶ Changing recommendations
  ▶ MMRS/Public Health/EMAs
▶ Hospital notifications & protection
▶ Alternate/No Transport
  ▶ Wide range of illness & symptoms
  ▶ No implementation
Dayton Fire Department
Daily EMS Unit Utilization

30-Day Average (2020): 65.67
30-Day Average (2019): 79.10
Dayton Fire Department
Total EMS Volume 2020 vs 2019

2020 vs 2019 shows a decrease of 17%
COVID-19
Cardiac Arrest/TOR

- AHA Interim Guidelines
- Reminders: DNR status
- Field Term/TOR
- CPAP vs. ETT
- ETT & other AGP Protective Measures
- Additional levels NOT implemented
COVID-19 Dispatch

- LHD notifies each Dispatch Center of + test results
- Warning value +/-
- Retrospective has been useful
COVID-19 “Lifestyle” Issues

- Mask Bulletin
  - Surgical masks for personnel
  - N-95s or PAPRs for AGPs
- Stations
  - Cloth masks
  - Bunkrooms
- Law enforcement
  - Surgical masks for LEOs
  - Cloth masks for anyone in public safety vehicles
- Not congregating in hospital EMS Rooms
- Rumors!
COVID-19 “Breather?”

- Prepare now!
  - COOP Planning
  - PPE
  - Alternate Transport Destinations
  - No Transports?
COVID-19 “Breather?”

- Prepare now!
  - Rapid documentation
    - Triage tags & photo?
  - Personnel rest
  - Personnel Mental Health
  - Testing
  - Vaccination
  - And everything else
Preparedness Always Pays!