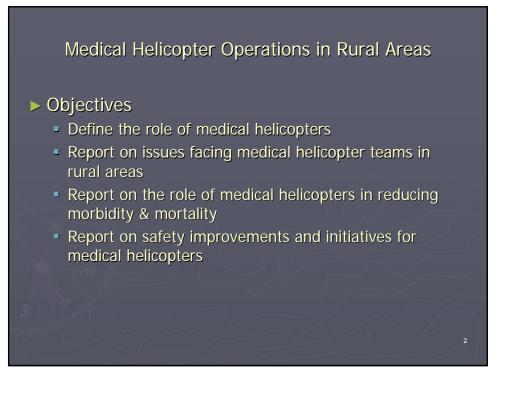
# Medical Helicopter Operations in Rural Areas

Joint Commission on Health Care Subcommittee on Healthy Living & Health Services

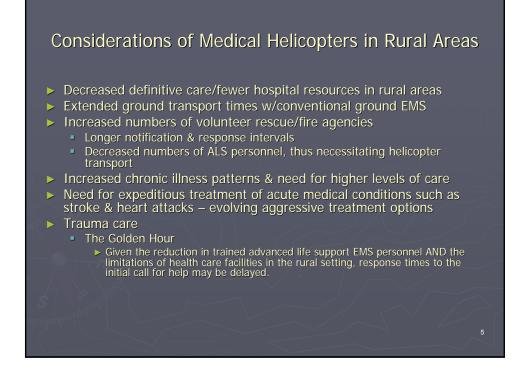
> Anita Ashby, RN MSN CEN NREMT-P CMTE Wellmont Health System Paul Davenport, NREMT-P RN CMTE MBA Carilion Clinic Patient Transport Services



# The Role of Medical Helicopters

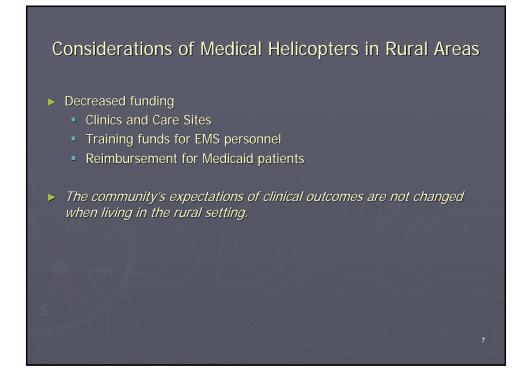
HEMS (Helicopter EMS) involves the air transportation of a person or persons requiring specialized medical crew and rapid transport due to a medical illness or traumatic injury –the initial air medical care can occur on the side of the road or in a community hospital.

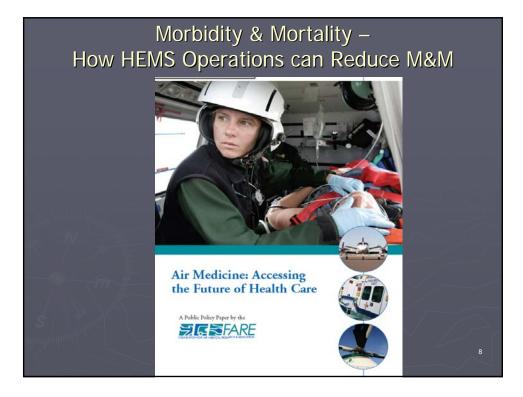




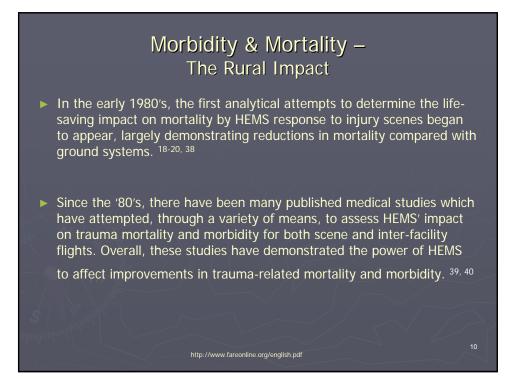


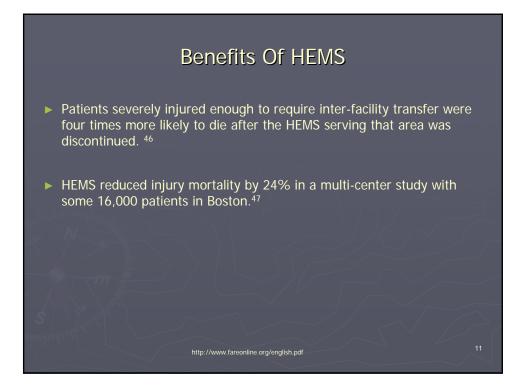
- Flexible & fast facility to provide medical expertise to the remotely located patient
- Terrain
- Non-consistent weather reporting across the region, esp. in rural areas.
- Limited communications systems
- Rising cost of medical helicopter operations (Urban and Rural).

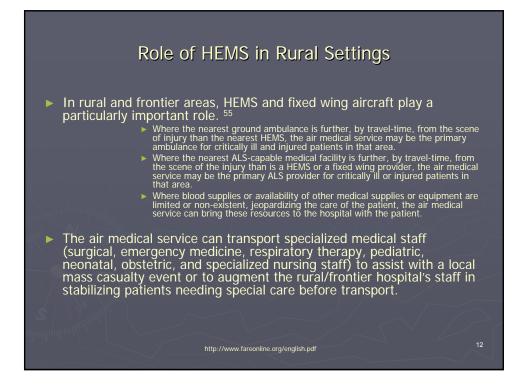




#### Morbidity & Mortality – The Rural Impact A greater number of communities, particularly those in rural areas, are finding themselves cut-off from access to emergency care because of recent changes in the health care delivery system in this country: Emergency departments in community hospitals have declined from just over 5,000 in 1992 to approximately 4,600 in 2002, a trend that is expected to continue.32 ► The number of the most sophisticated trauma centers has declined in the same time period. Specialty care and specialists are increasingly housed in urban specialty centers and are less available in non-urban settings. Overcrowding of hospital emergency departments and the lack of critical care and specialty beds often causes hospitals to divert EMS patients. ▶ Due to the above factors, AMS, and especially HEMS, is becoming the health care safety net and access point for many non-urban individuals and communities. http://www.fareonline.org/english.pdf







### Need for Policy Support

It is essential that public policy and funding sustain AMS as a critical part of the medical and emergency preparedness safety net in our communities. Maintaining the readiness to respond is as essential as the actual care delivered by AMS.

# Focus on Safety of HEMS Operations

- > Aviation safety decisions are separate from medical decisions.
- ▶ NTSB Most Wanted List
  - Improve safety of EMS flights
- ▶ NTSB Public Hearing
  - February 3-6, 2009
  - Goal Learn more about helicopter EMS operations so the NTSB can better evaluate the factors that lead to accidents.
- ► VA State Medevac Committee
  - Proactive Approach
    - Utilization Review
    - ► Safety & Weather Reporting
    - Communication

# Summary

- Defined the role of medical helicopters
- Reported on issues facing medical helicopter teams in rural areas
- Reported on the role of medical helicopters in reducing morbidity & mortality
- Reported on safety improvements and initiatives for medical helicopters