

# AMBULANCE OPERATIONS

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## UNIT 1, PART 1: EMS Vehicles & Sub-Specialties

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# Statistics

## Ontario

- ❖ Over 1 million square kilometers
- ❖ 12.4 million residence
- ❖ 440 municipalities
- ❖ 19 CACCs Central Ambulance Control Centres

## Paramedics

- ❖ 8,000 – 10,000

## Number of calls annually

- ❖ Over 1.9 million requests/year (includes standbys)
- ❖ 900,000 transported patients

# Statistics

## Ontario

### Ambulance Operators

- ❖ 53 certified land ambulance operators
  - Municipal
  - Private
  - Hospital
  - First Nation
  - Volunteer
  - serving over 440 individual municipalities and First Nations communities

# **VEHICLES USED IN EMS**

# Vehicle Types in EMS



Type I: conventional truck with cab

# Vehicle Types in EMS



Type II: standard van

# Vehicle Types in EMS



Further north is 2  
stretcher style,  
since each  
ambulance may  
have more patients



Type III: Specialty Van

# Vehicle Types in EMS



Multi-Patient Unit

# Vehicle Types in EMS



Ambulance Bus

# Vehicle Types in EMS



Ambulance Bus

# Vehicle Types in EMS



Van: 1<sup>st</sup> Response Unit

# Vehicle Types in EMS



1<sup>st</sup> Response Unit

# Vehicle Types in EMS



Car: 1<sup>st</sup> Response Unit

# Vehicle Types in EMS



Car: 1<sup>st</sup> Response Unit

# Vehicle Types in EMS



Motorcycle: 1<sup>st</sup> Response Unit

# Vehicle Types in EMS



Bike: 1<sup>st</sup> Response Unit

# Vehicle Types in EMS



Cart: 1<sup>st</sup> Response Unit  
e.g large scale events, airport EMS

# Vehicle Types in EMS



Cart: 1<sup>st</sup> Response Unit  
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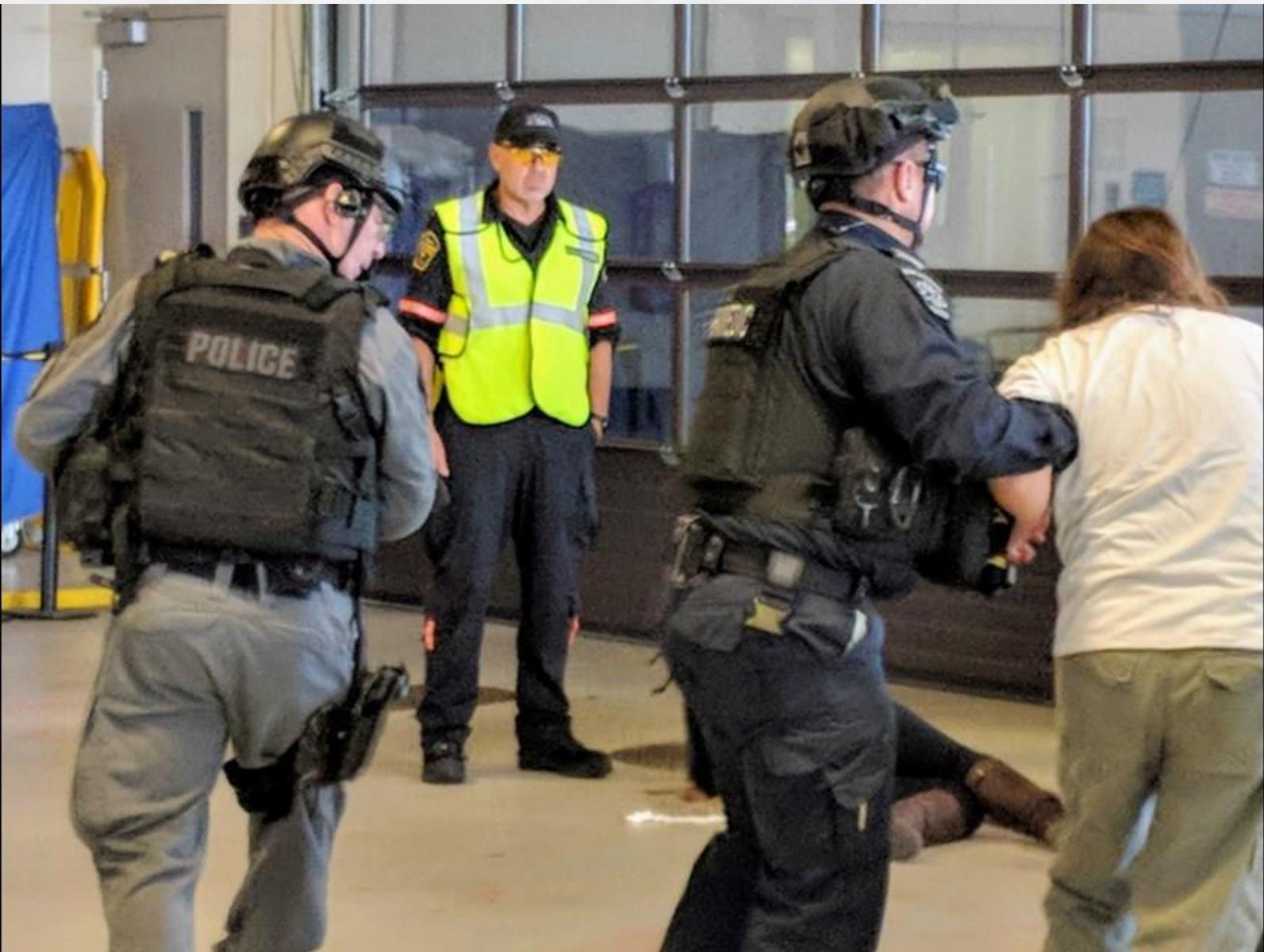
# Vehicle Types in EMS



Emergency Support Unit  
e.g Disasters, MCI

# **Paramedic Sub-Specialties**

# TACTICAL PARAMEDICS



# MARINE PARAMEDICS



# FIRST RESPONSE PARAMEDICS



# BIKE PARAMEDICS



# Community Paramedics



# Heavy Urban Search & Rescue





# Ontario EMAT

Emergency Medical Assistance Team

**56 bed unit**  
**provides a staging and triage base**  
**capability of treating 20 acute care patients**  
**and 36 intermediate care patients**



# Flight Paramedics – Rotary Wing



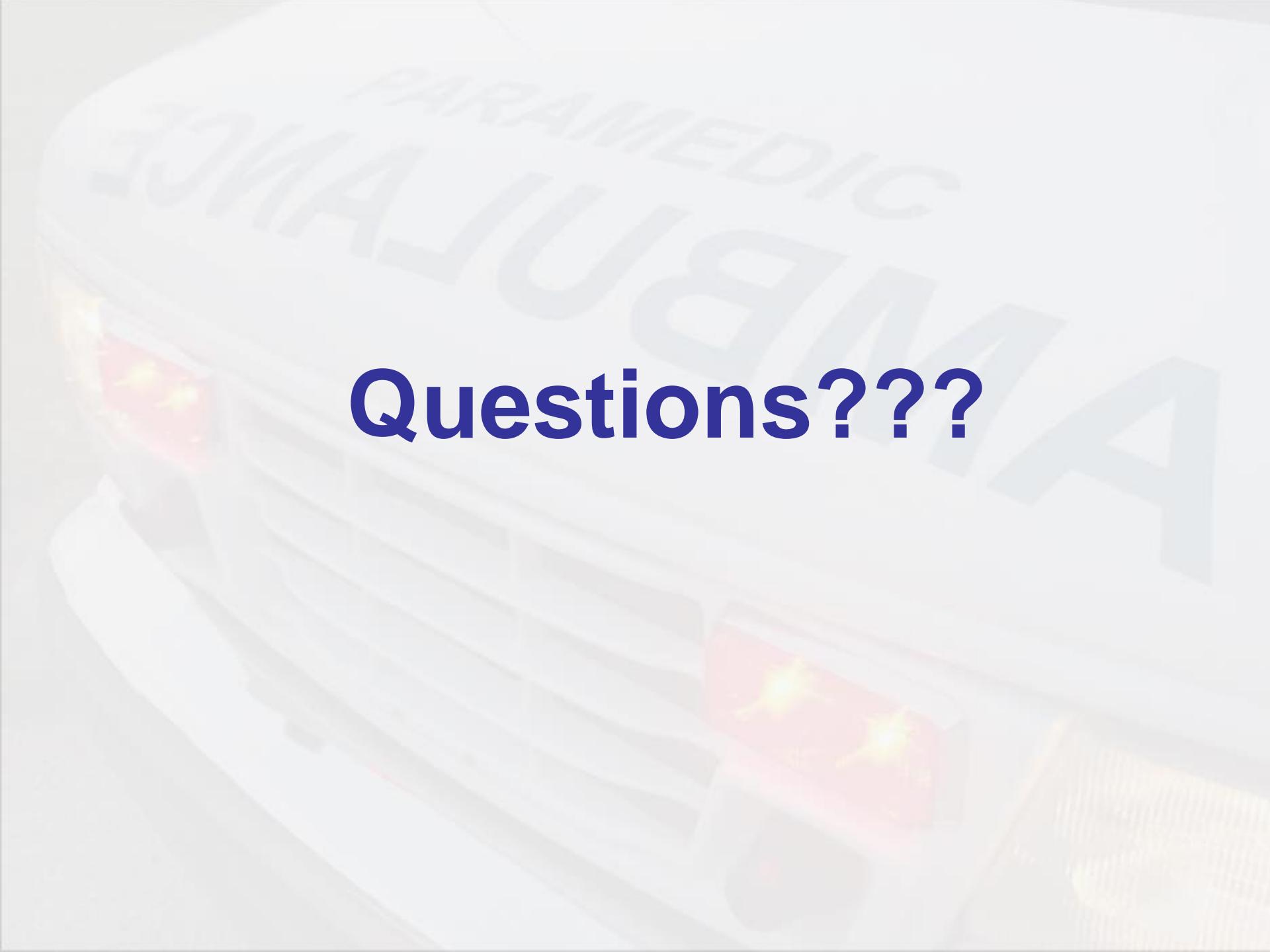
Critical Care - long distance transport

# Scene response





Fixed Wing  
Critical Care - long distance transport

A faint, grayscale watermark-like image of a paramedic in uniform is visible in the background. The paramedic is wearing a cap with a logo, a dark shirt, and light-colored pants. A badge is pinned to the left side of their chest. The word "PARAMEDIC" is printed across the top of the badge.

# Questions???