## Chief Medical Officer Report **Tulsa City Council** March 2024 **EMS System for Metropolitan Oklahoma City & Tulsa** Medical Control Board/Office of the Medical Director

Jeffrey M. Goodloe, MD, NRP, FACEP, FAEMS





### **Key Clinical Updates**

- Whole Blood Administration
- 911 BLS (Dual EMT) Ambulance Response
- Paramedic Credentialing
- Neuroprotective (Head Up) CPR





#### Office of the Medical Director

- Jeffrey M. Goodloe, MD, NRP, FACEP, FAEMS
  - Chief Medical Officer
- Curtis L. Knoles, MD, FAAP
  - Associate Chief Medical Officer
- David S. Howerton, BS, NRP
  - Division Chief, Medical Oversight West
- Duffy McAnallen, NRP
  - Division Chief Medical Oversight East
- Matt Cox, NRP
  - Division Chief, Critical Care Analytics
- Anna Bailey, MPH
  - Biostoticatican



### Whole Blood Administration

- Estimated Start in Metro Tulsa is July 1
- Partnership with
  - Our Blood Institute
  - Tulsa Fire Department
  - EMSA
  - Saint Francis Hospital Trauma Services
  - St. John Medical Center Trauma Services
  - Medical Control Board/Office of the Medical Director











### Whole Blood by EMS in OKC

- November 30, 2022 to present (52 patients)
- Serious Trauma w/High Risk of Bleeding
- Blood Pressure & Shock Index
- Shock Index = Heart Rate/Blood Pressure
- If LOW BP and HIGH (>1) SI = Blood





## Impact of Whole Blood by EMS in OKC

- Shock Index
  - Average 1.25  $\rightarrow$  0.81
- Systolic Blood Pressure
  - Average increases by 44 mmHg
- Avoidable fatalities can be avoided with early blood administration



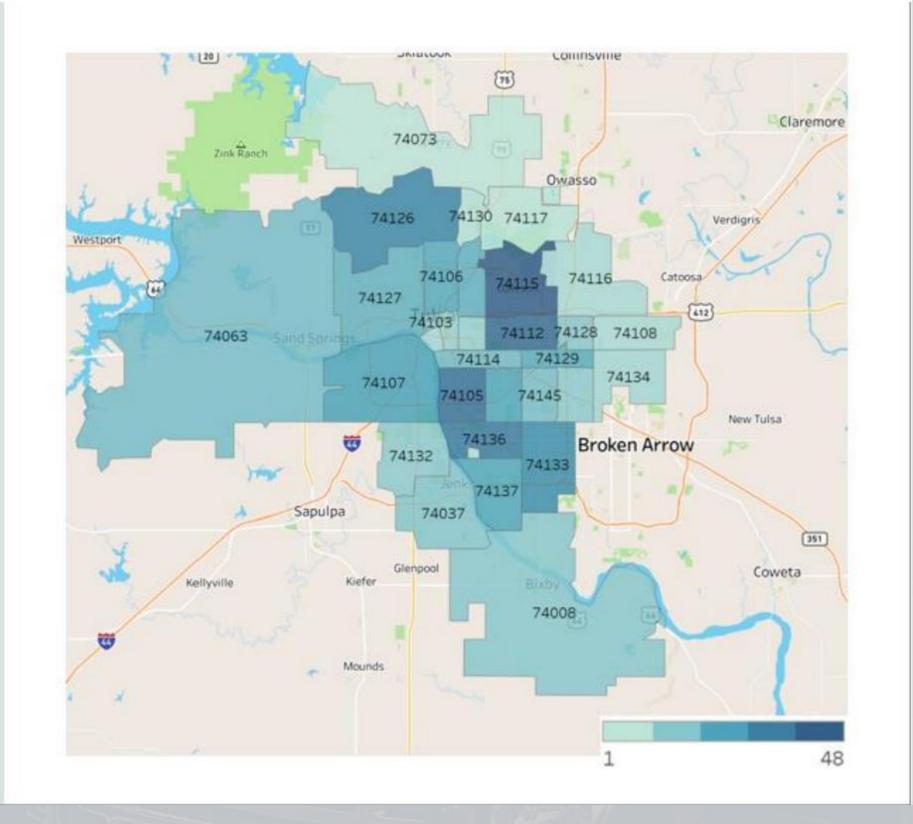
n = 52 patients



#### WB Need in Tulsa

Frequency of calls
requiring bleeding
control, tourniquets, or
TXA administration since
Jan 1, 2023

Total N = 563





## 2 field apparatus on start: TFD 835 & EMSA DC North



# 911 BLS Program Dec 2023 - Jan 2024

- Eastern Division/Metro Tulsa
- Eligible Calls (MCB MPDS Codes) = 2327
  - -BLS Ambulance Responses = 1752 (75.3%)
- Overall Transports = 1736
  - Cancel/Refusal of Service 25.4%
- RLS Transports = 19 (0.8%)
- ALS Assists = 51 (2.2%)
- Unstable VS = 88 (3.8%)



# 911 BLS Program Dec 2023 - Jan 2024

- Western Division/Metro OKC
- Eligible Calls (MCB MPDS Codes) = 1955
  - -BLS Ambulance Responses = 952 (48.7%)
- Overall Transports = 1449
  - -Cancel/Refusal of Service 25.9%
- RLS Transports = 12 (0.6%)
- ALS Assists = 18(0.9%)
- Unstable VS = 60 (3.1%)

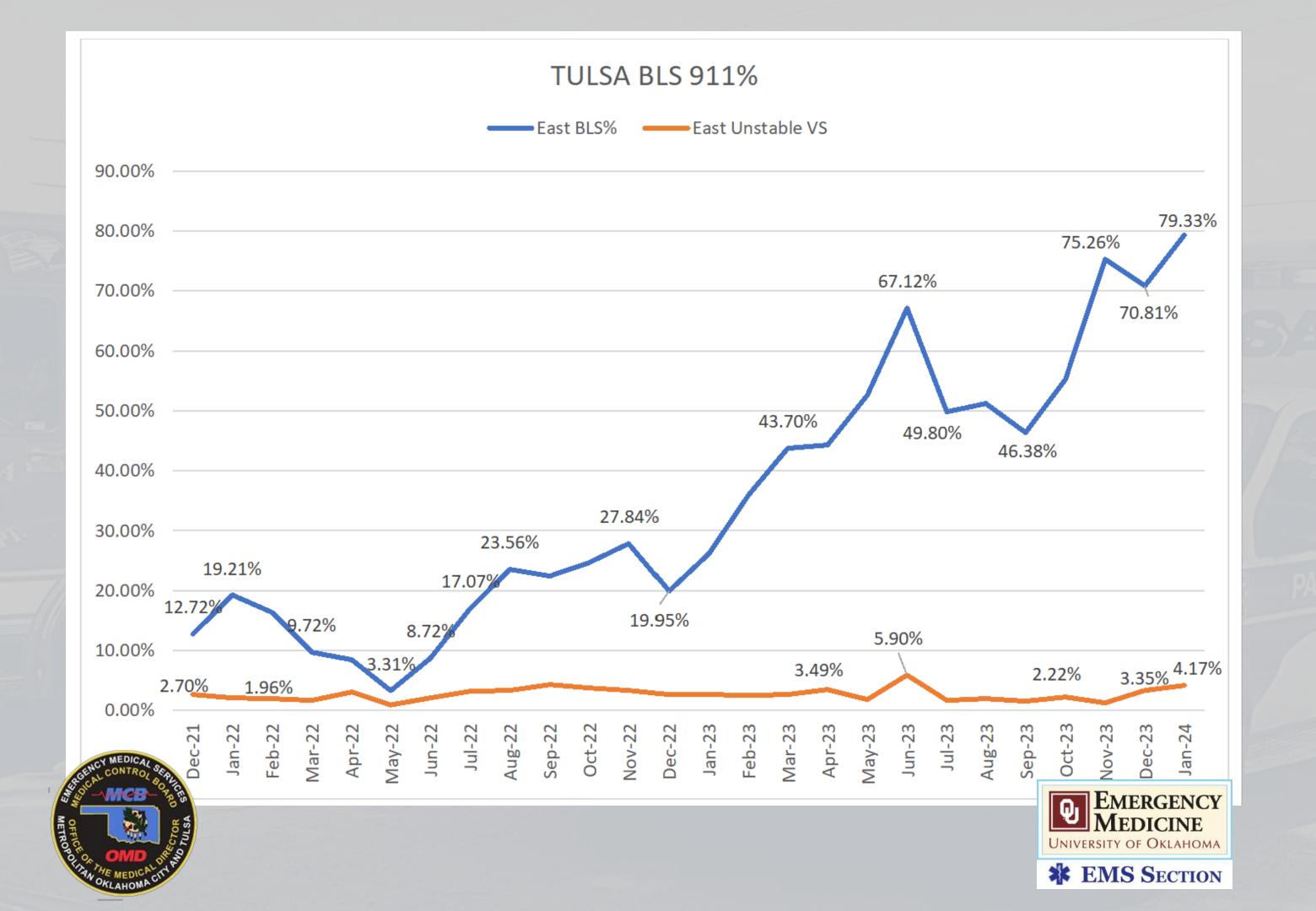


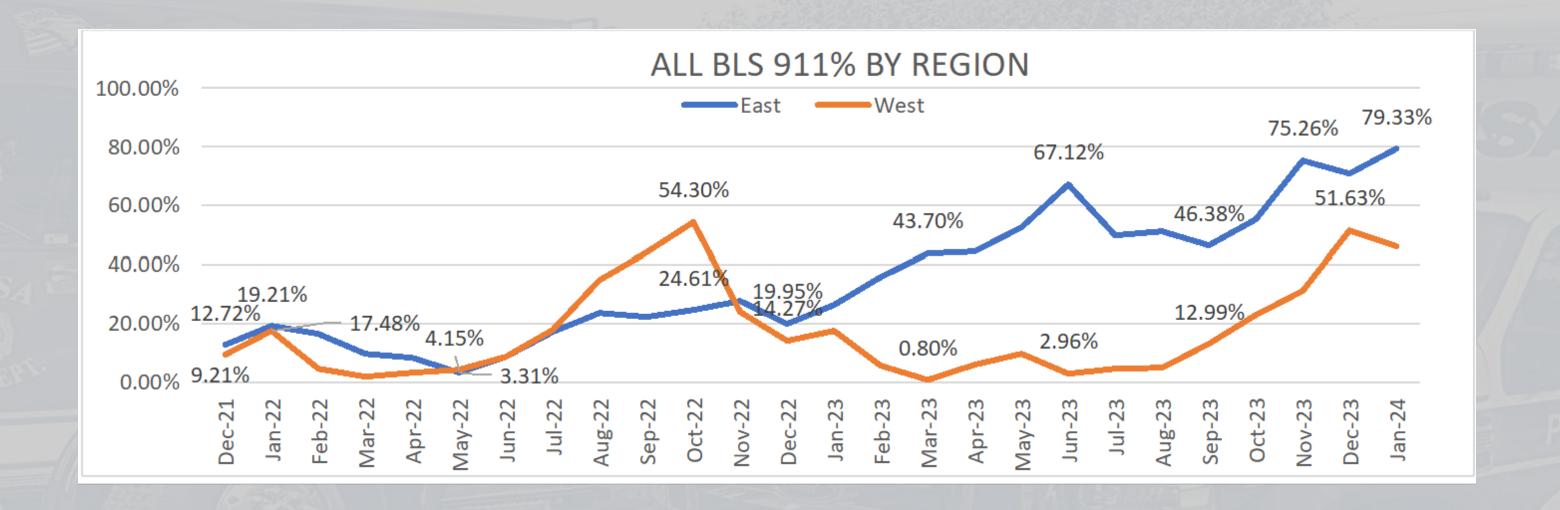


# 911 BLS Program Dec 2021 - Jan 2024

- Metro Oklahoma City & Tulsa Combined
- Eligible Calls (MCB MPDS Codes) = 54878
  - BLS Ambulance Responses = 15000 (27.3%)
- Overall Transports = 38974
  - Cancel/Refusal of Service 29.0%
- RLS Transports = 463 (0.84%)
- ALS Assists = 481 (3.21%)
- Unstable VS = 1523 (2.78%)











# Paramedic Credentialing by MCB/OMD

- FY/OY 23-24 (July 1) to date
- Tulsa
  - TFD 9
  - EMSA 34
- OKC
  - OKCFD 4
  - EMSA 29







## EleGARD CPR Device







