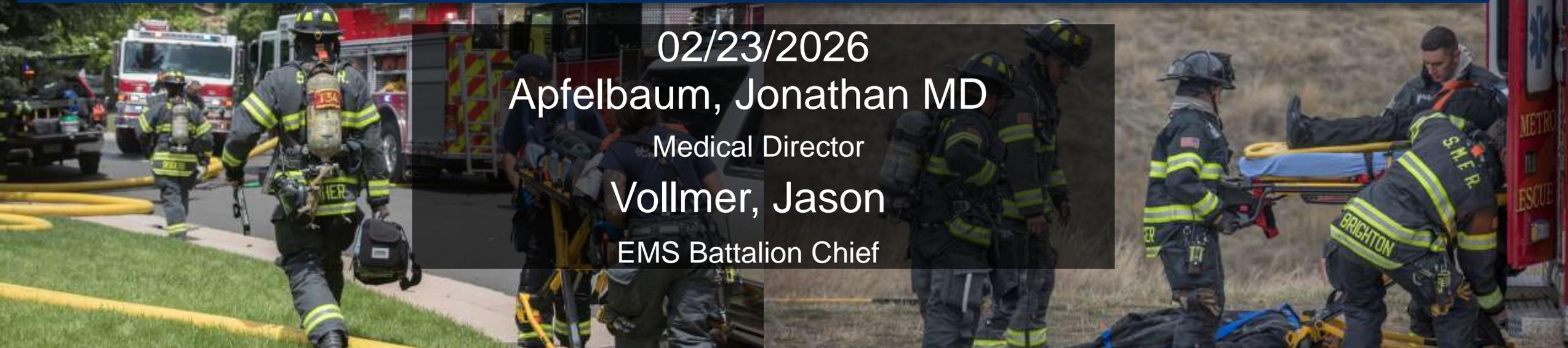




EMS DIVISION

2025 REVIEW



02/23/2026

Apfelbaum, Jonathan MD

Medical Director

Vollmer, Jason

EMS Battalion Chief

EMS VISION AND MISSION



Vision:

To be the premier provider of emergency medical services, recognized for excellence in patient care, innovative practices, and unwavering commitment to the communities we serve.

Mission:

To consistently deliver high-quality emergency medical care and services through continuous improvement, advanced training, cutting-edge technology, and a patient-centered approach.

CALL VOLUME



Call Volume 2025

- Total SMFR 52,859
- EMS Calls 31,888
- EMS Transports 25,050

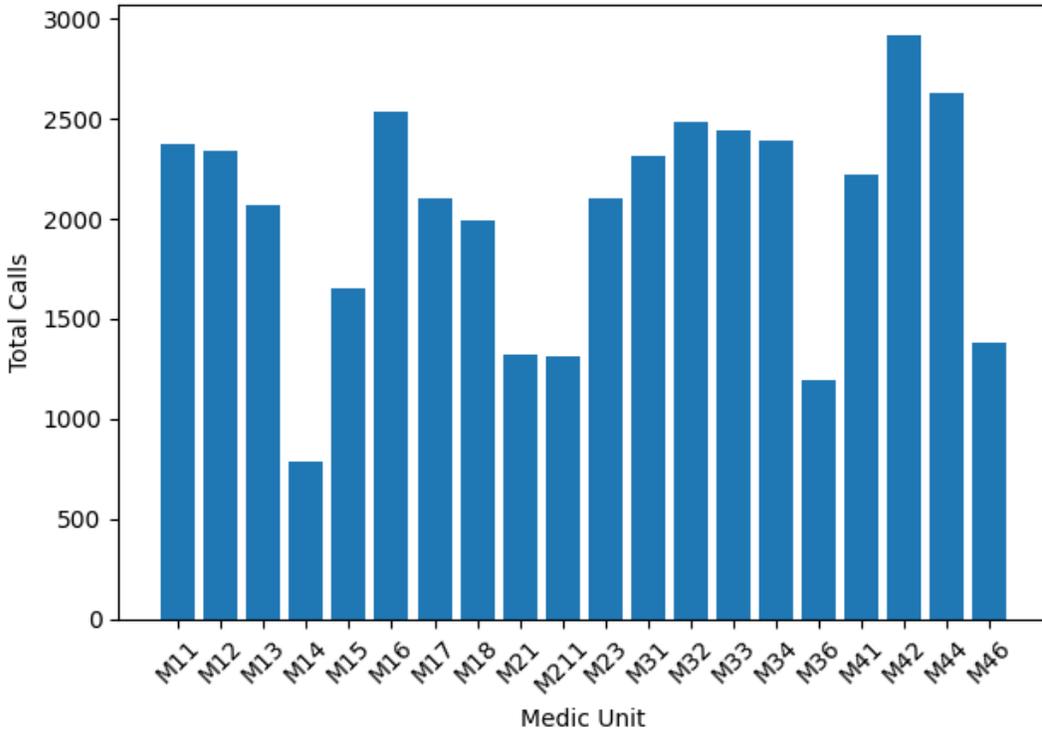


CALL VOLUME



Call Volume 2025

SMFR Medic Unit Call Volume - 2025



Medic	Calls	Medic	Calls	Medic	Calls
M11	2373	M18	1992	M34	2392
M12	2343	M21	1324	M36	1196
M13	2071	M211	1310	M41	2223
M14	790	M23	2107	M42	2922
M15	1653	M31	2315	M44	2626
M16	2539	M32	2484	M46	1381
M17	2106	M33	2443		

PERFORMANCE



2025:

- **Cardiac Arrest:**
 - 306 Cardiac Arrest:
 - ROSC **32%** (25% NA)
- Neurological intact **11.3%** (NA 7.4%)
 - **ALS Interventions**
 - **13,220** Medication administrations
 - **8,572** ALS Medications administered
 - **Cardiac Alert:** 143 STEMI Activations
 - **Stroke Alert:** 901 Activations
 - **Trauma Alert:** 463 Activations
 - **RSI:** 34 (Feb to Dec)

BLOOD PROGRAM (LAUNCH AUG 2025)



The first 26 weeks....

Program went live the first week of August 2025.

Problems?

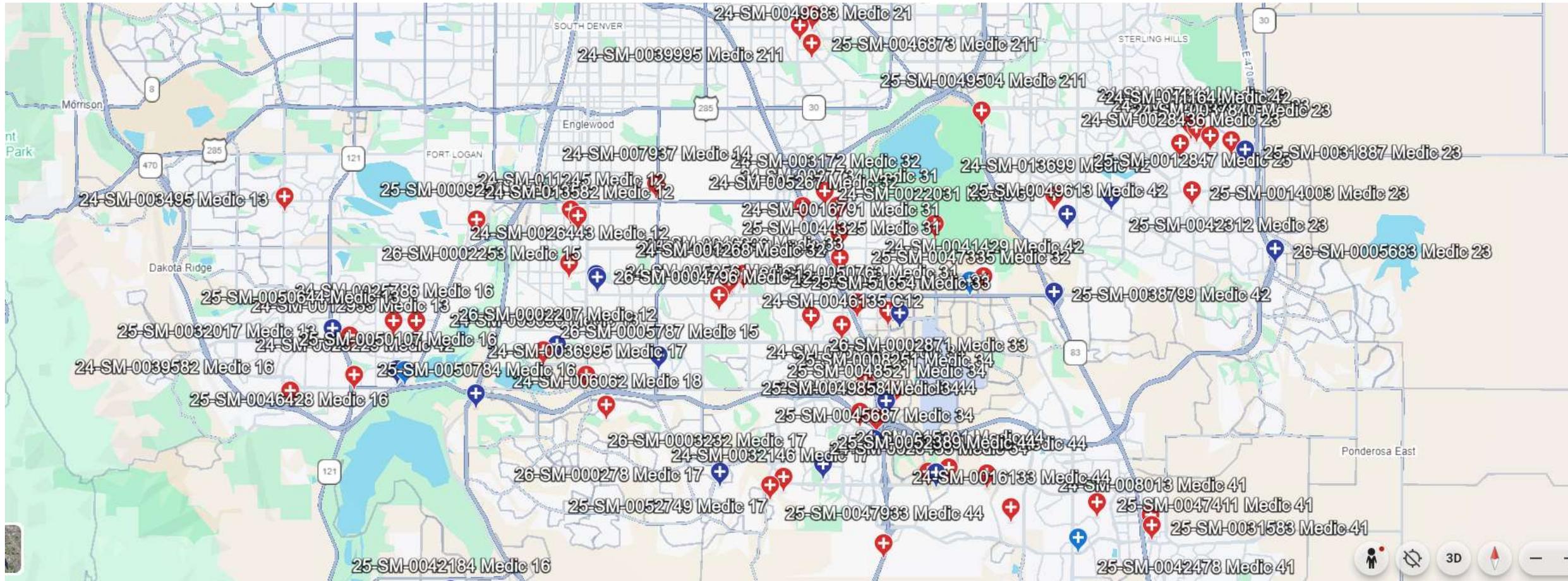
- Blood cooling concerns
- Education and reassurance

Positives:

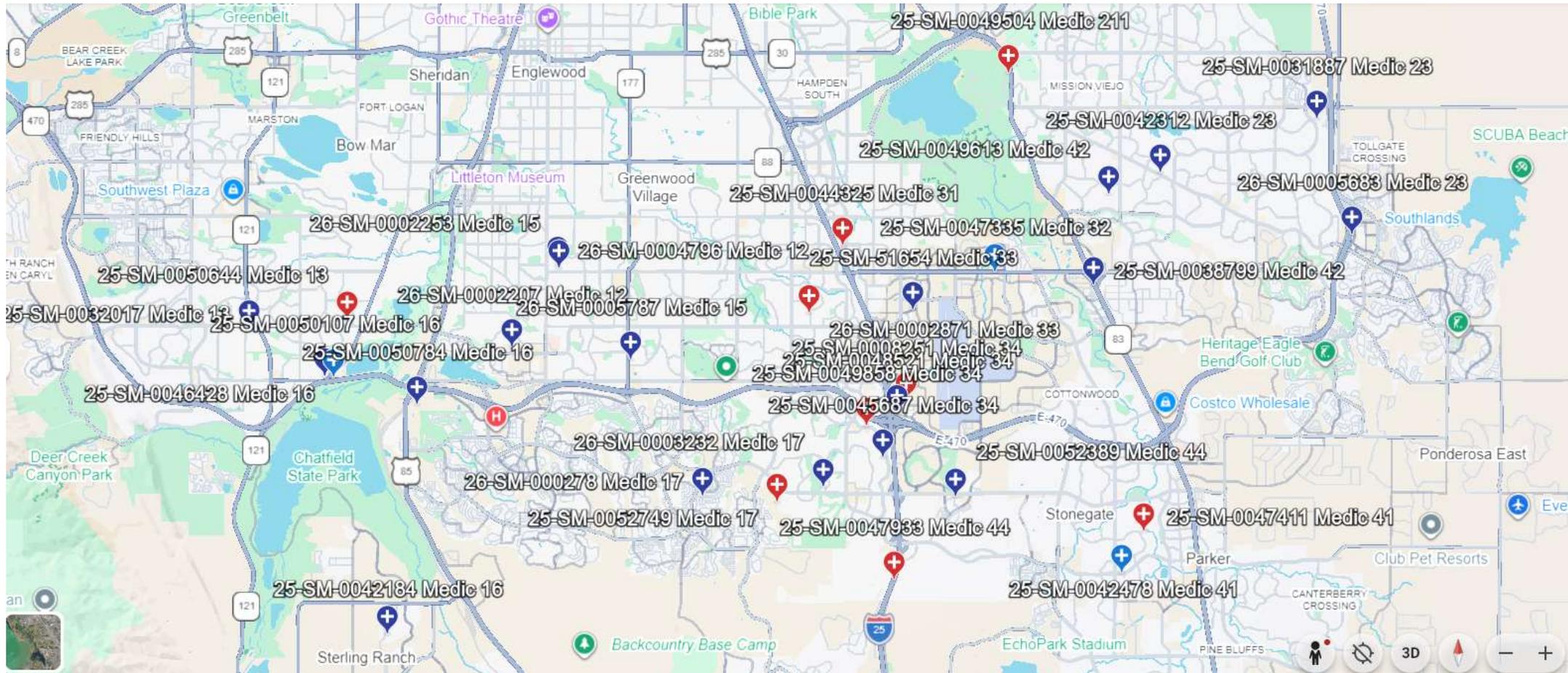
- Upgraded to Delta Coolers
- Expanded blood use



BLOOD HEAT MAP (2024-2025)



BLOOD HEAT MAP (AUG 25 – FEB 26)



BLOOD USE



Got Blood:

25 patients (34 units)

Trauma - 8 (32%)

GI Bleed - 13 (52%)

OB/GYN - 4 (16%)

Could have gotten Blood:

15 patients

Trauma - 10 (67%)

GI Bleed - 3 (20%)

OB/GYN - 2 (13%)



STATS



We anticipated 1.6 - 1.8 blood administrations per month = Anticipated Blood every **17 days**

We gave 25 patients 34 units over 26 weeks = Gave Blood every **7 days**

Could have given 28 patients blood over 20 weeks = Could have given blood every **4.5 days**

Data

- Received Blood: 25
 - Age range: 20-103
 - Male/Female: 17/8
 - Avg first SBP: 66 mmHg
 - Avg SBP after blood: 93 mmHg
 - TXA in field: 16 (64%)
- Didn't receive Blood: 15
 - Age range: 13-70
 - Male/Female: 9/6
 - Avg first SBP: 58 mmHg
 - Avg SBP after blood: N/A
 - TXA in field: 3 (20%)
 - Refused blood transfusion: 1 (7%)

INJURY SEVERITY SCORE (ISS)



The ISS ranges from 1-75. 1 being minor injury to 75 being most severe.

- Pts who received Blood: Avg = ISS 46 (really bad)
- Pts who received no Blood: Avg = ISS 27



SHOW ME THE MONEY



	Survival	Additional PRBC	Additional Blood Products	Hospital Stays	Discharge Home
Blood	76%	4 Units	10 Units	4 days	64%
No Blood	47%	8 Units	12 Units	8 days	20%

BLOOD EXCHANGE WITH HOSPITAL



Number of Units Wasted

- **NONE** – all units turned back in to Parker were used on other patients around the Advent Health System.



FUTURE



- Whole Blood
- Expanding Blood Availability
- Adjusting criteria
- Additional Providers



WHERE WE ARE... AND WHAT'S NEXT?



Current projects:

- “The combined, widespread use of blood + POCUS + RSI on the same ambulance is rare and typically found only in highly advanced, often fire-based or critical care, EMS systems.”

Future:

- ECMO/eCPR partnerships
- TMCA
- Swedish
- Littleton