

NURSE NAVIGATOR



Right collaboration,
Right care,
Right caller,
Right now.

AMBULANCE CITY MANAGERS CLINICS COMMUNICATIONS AUTH ELECTED OFFICIALS FIRE DEPARTMENT **MEDIA MEDICAL DIRECTOR** NURSE NAVIGATOR (GMR) **GROSSMONT HEALTHCARE DIST** SAN DIEGO COUNTY EMS

DATA SUPPORT

- GMR Nurse Navigator success elsewhere
- Field experience of low level calls
- QA analysis by GMR and Central Dispatch
- Literature studies





Reprioritization of 911 Emergency Medical Calls Using Historical Clinical Data

Veer D. Vithalani, MD, FACEP, FAEMS^{1,2}; Greg Scott, MBA³; Christopher Olola, PhD³

EMD Protocol	n	Critical	
2. Allergies (Reactions) / Envenomation	278	0	
3. Animal Bites / Attacks	22	0	
4. Assault / Sexual Assault / Stun Gun	81	0	
5. Back Pain	139	0	
10. Chest Pain / Chest Discomfort	411	0	
11. Choking	124	1	
13. Diabetic Problems	622	0	
16. Eye Problems / Injuries	121	0	
17. Falls	582	1	
18. Headache	211	0	
19. Heart Problems / A.I.C.D.	57	0	
20. Heat / Cold Exposure	121	0	
21. Hemorrhage (Bleeding) / Lacerations	337	o	
24. Pregnancy / Childbirth / Miscarriage	102	o	
26. Sick Person (Specific Diagnosis)	6,545	3	
27. Stab / Gunshot / Penetrating Trauma	1	0	
30. Traumatic Injuries (Specific)	464	o	
31. Unconscious / Fainting (Near)	1,033	2	
	11,251	7	0.062%

- 119,751 911 EMD triaged 911 calls reviewed
- Dallas Metroplex
 - Compared with ePCRs to identify patients with eitive critical illness
- Matching HFR Nurse Navigator determinants
 - 82 of 92 found with values in study (n=11,251 cases)
 - Rate of 0.062% time-sensitive critical illness (n=7)

EMD Dispatch Priority Level	Number of Patients		
	Overall (N=11,9751) n	Critical (N=1,534) n (%)	
Echo	1,186	404 (34.1)	
Delta	28,647	832 (2.9)	
Charlie	31,088	217 (0.7)	
Bravo	36,344	58 (0.2)	
Alpha	21,387	17 (0.1)	
Omega	1,099	6 (0.5)	

EXCLUSION

- Age less than 18
- Third party callers
- Life-threatening injury or illness
- Incarcerated/detained
- Drugs/alcohol impairment
- Pregnancy >20w, with OB complaint
- Homicidal or suicidal

INCLUSION

- 2. Allergies / Envenomations
- 3. Animal Bites / Attacks
- 4. Assaults / Sexual Assaults
- 5. Back Pain
- 10. Chest Pain
- 11. Choking
- 13. Diabetic Problems
- 16. Eye Problems
- 17. Falls
- 18. Headache
- 19. Heart Problems
- 21. Hemorrhage / Lacerations
- 23. Overdose / Poisoning
- 24. Pregnancy
- 26. Sick Person
- 27. Stab / Gunshot
- 30. Traumatic Injuries
- 31. Unconscious/Fainting

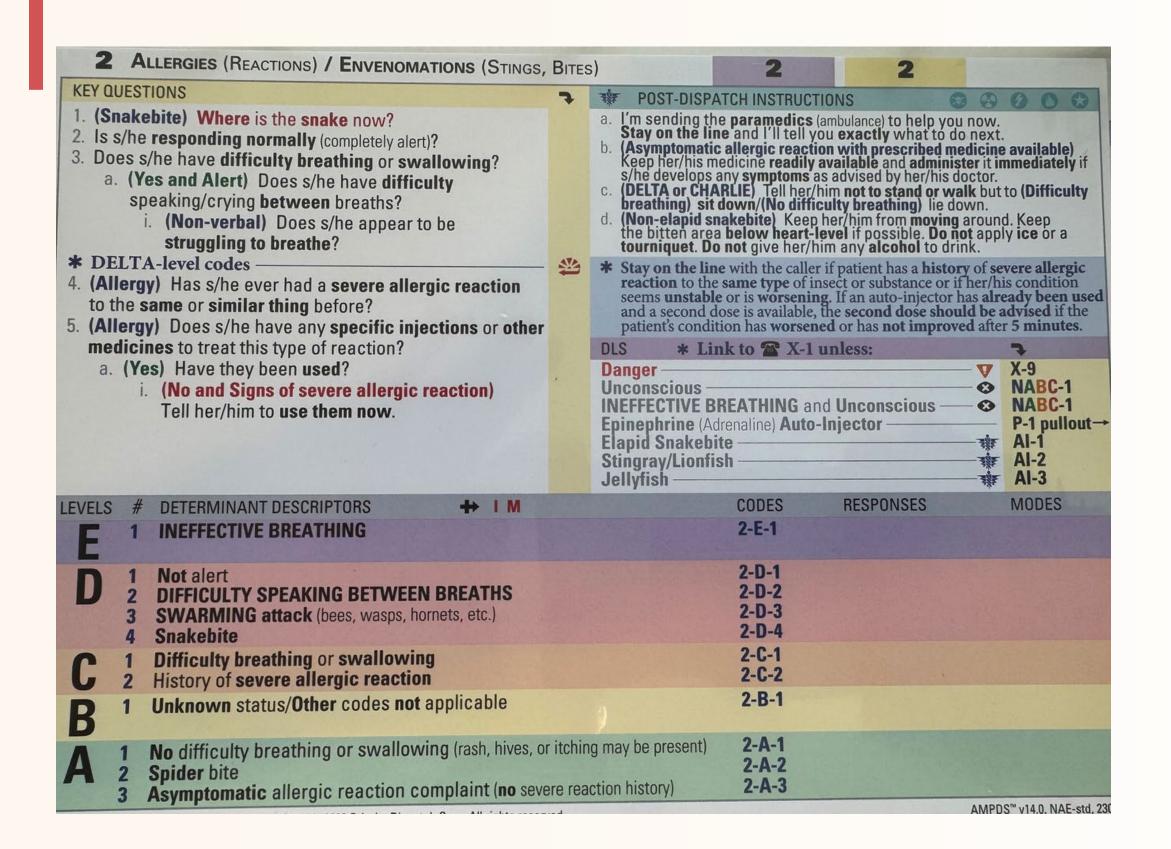








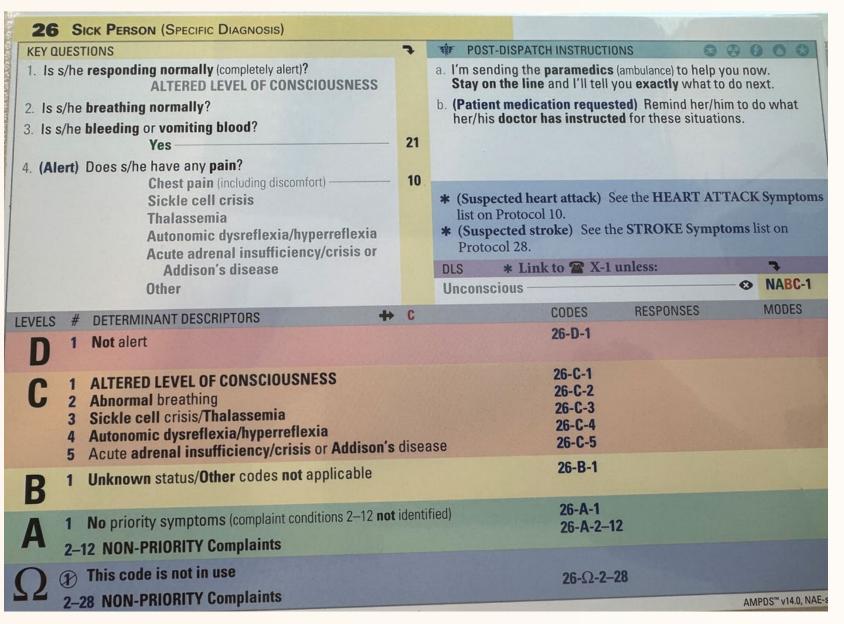
INCLUSION EXAMPLES



2. Allergies / Envenomations

- No difficulty breathing or swallowing
- Spider bite

INCLUSION EXAMPLES



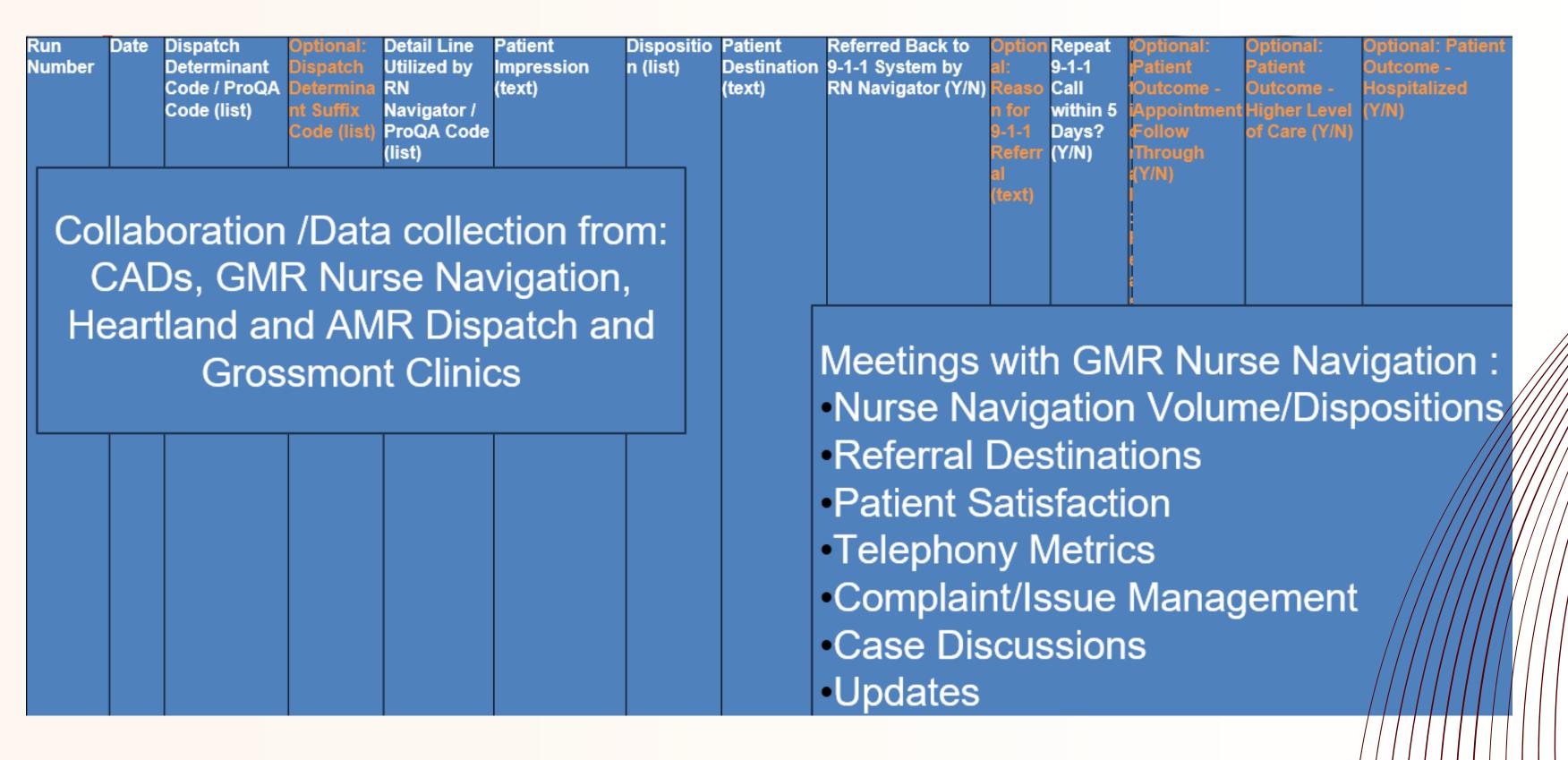
- 26. Sick Person (non priority ALPHA)
 - Fever/chills
 - Nausea
 - Transportation only
 - Unwell
 - Vomiting
- 26. Sick Person (non priority

OMEGA)

- Boils
- Bumps
- Can't sleep
- Can't urinate (without and pain)
- Catheter (urinary, no hemorrhage)
- Cut-off ring request
- Deafness
- Defecation/diarrhea
- Earache
- Enema
- Gout

- Hepatitis
- Hiccups
- Itching
- Nervous
- Object stuck
- Object swallowed
- Painful urination
- Penis problems
- Rash/skin disorder
- STD
- Sore throat
 - without difficulty breathing
- Toothache (without jaw pain)
- Wound infected
- No priority symptoms
- Fever/chills
- Nausea
- Other pain (non-OMEGA)
- COVID suspected

QUALITY ASSURANCE/IMPROVEMENT

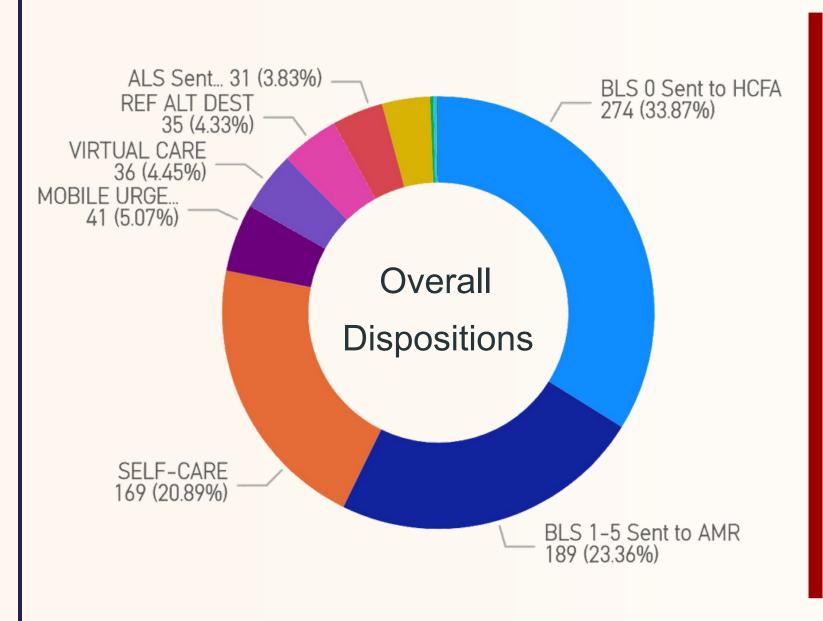


DISPATCH QUALITY ASSURANCE/IMPROVEMENT

- What determinant codes were NN transfers
- How many times the same code was used
- How many calls an ambulance was requested and which ones ended in a transport
- Calls from same person within 48 hours

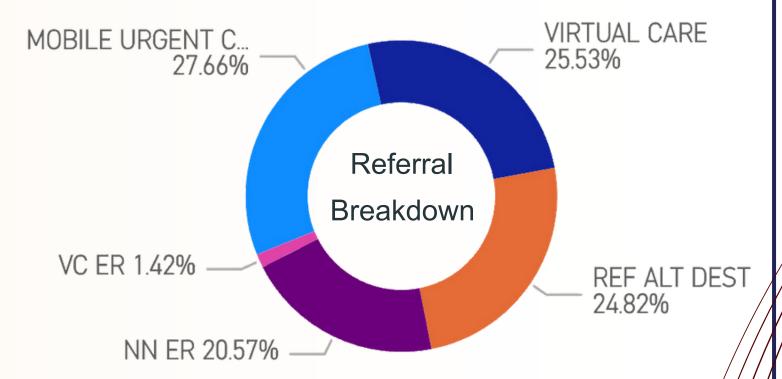
proQADeteri	COUNT	AMB REQ	ARRIVED AT HOSP
13A01	1	1	1
17A02G	2	2	1
17A03	1	0	0
18A01	1	1	1
21A01T	1	0	0
26A01	4	1	1
26A04	3	1	1
26A06	2	0	0
26A07	1	0	0
26A08	5	1	1
26A10	1	0	0
26A11	2	1	1
26005	1	0	0
2A02	1	0	0
30A03	1	0	0
31A01	1	1	1
Grand Total	28	9	8

PROGRAM OUTCOMES



Disposition

- 809 patients
- 62% diverted from of immediate ambulance dispatch

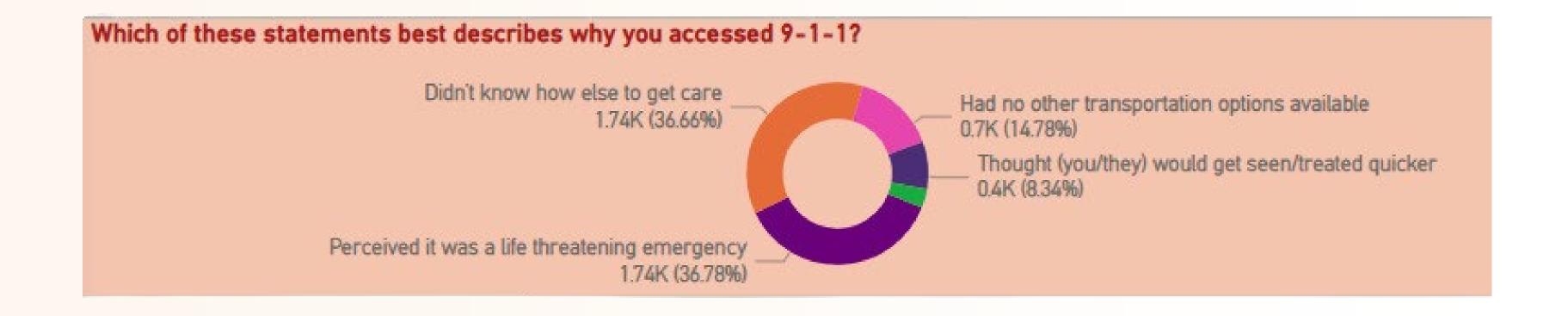


1/31/23 -

PATIENT FEDBACK

patiet satisfaction score

94%





Right collaboration,
Right care,
Right caller,
Right now.

