



Emergency Medical Advisory Group (EMAG)

Meeting Agenda

February 9, 2023
2:30 PM – 4:00 PM

Meeting Location:

Sacramento County EMS Agency
9616 Micron Ave. Suite 900
(Conference Room 1)

Topic	Time
Welcome, Introductions, and Agenda Review – <i>Dr. Olivia Kasirye</i> <ul style="list-style-type: none"> • Materials Review • Additional Agenda Items for Discussion • Introduction: Interim EMS Medical Director - <i>Dr. Kevin Mackey</i> • Other Member Announcements 	2:30 – 2:45
Approval of December Meeting Minutes – <i>David Magnino</i> – ACTION ITEM	2:45 – 2:50
EMS Committee Updates – <i>David Magnino</i> <ul style="list-style-type: none"> • STEMI/ Stroke Destination Data 	2:50 – 3:10
Law Enforcement – Narcan Program Data – <i>David Magnino</i>	3:10 – 3:20
EMS – Short Term Goals – <i>Dr. Kevin Mackey</i>	3:20 – 3:30
Open Discussion/Key Items – <i>EMAG Participants</i> <ul style="list-style-type: none"> • Budget Update – <i>David Magnino</i> • Fiscal Year 2023-24 Update – <i>Dr. Olivia Kasirye</i> • Vehicle Code Fees Revenue (Maddy/Richie) Replacement 	3:30 – 3:45
Public Comment: One comment per person/organization, limited to two minutes.	3:45 – 3:50
Closing Remarks & Adjourn – <i>Dr. Olivia Kasirye</i>	3:50 – 4:00
Next Meetings <ul style="list-style-type: none"> • Thursday, April 13, 2023 / 2:30PM – 4:00PM • Thursday, June 8, 2023 / 2:30PM – 4:00PM 	

For more information, please visit the Emergency Medical Advisory Group website at:

[https://dhs.saccounty.gov/PUB/EMS/Pages/Emergency-Medical-Advisory-Group-\(EMAG\).aspx](https://dhs.saccounty.gov/PUB/EMS/Pages/Emergency-Medical-Advisory-Group-(EMAG).aspx)

Sacramento County Emergency Medical Advisory Group

Meeting Minutes

December 8, 2022, 2:30 PM – 4:00 PM

Meeting Location

9616 Micron Ave Suite 900 (Conference Room 1)
Sacramento, CA 95827

ADVISORY GROUP MEMBERS			
X	ALS Ground Transport Providers, Public – Rick Clarke/Jon Rudnicki, Sac Metro Fire	X	Hospital System – Dr. J. Douglas Kirk, MD, UC Davis Health
X	ALS Ground Transport Providers, Private – Karl Pedroni/Brian Henricksen, American Medical Response (AMR)	X	Law Enforcement – Lt. Jack Noble, Sheriff’s Office
X	ALS Air Transport Providers – Mike Kaslin, REACH Air Medical		Training Provider – Jason Hemler, CSUS
X	BLS Providers, Public – James Hendricks, Herald Fire District	EX-OFFICIO MEMBERS	
X	BLS Providers, Private – James Pierson, Medic Ambulance	X	County Public Health Division – Dr. Olivia Kasirye, MD
X	Hospital System – Tamra Kelly, Dignity Health	X	County EMS Administrator – David Magnino
X	Hospital System – Michael Scates, Kaiser Permanente	X	County EMS Medical Director – Dr. Hernando Garzon, MD
X	Hospital System – Dr. Phillip Yu, MD, Sutter Health	GUEST PRESENTER	

Advisory Group Members in Attendance: 10 – *Quorum present*

Public/Guests in Attendance: 5

Staff: Stephanie Mello

Sacramento County Emergency Medical Advisory Group

Topic	Minutes
<p>Welcome, Introductions and Opening Remarks- <i>David Magnino, EMS Administrator</i></p>	<p>David Magnino welcomed advisory group members, guests, and members of the public, and reviewed the agenda and meeting materials.</p> <p><u>Agenda Review:</u> Approval of August Meeting Minutes, EMS Committee Update, Winter Surge, and Open Discussion.</p> <p><u>Materials:</u> Approval of August Meeting Minutes, STEMI Transports per Receiving Hospital, EMS Staffing Roadmap, Vehicle Code Fine Revenue. <i>Materials are posted on the website.</i></p> <p>Link: https://dhs.saccounty.gov/PUB/EMS/Pages/Emergency-Medical-Advisory-Group-(EMAG).aspx</p> <p><u>Additional Agenda Items for Discussion:</u></p> <p><u>Other Member Announcements:</u> Dr. Garzon announced his retirement from Kaiser and as the EMS Medical Director on January 31, 2023. The Kaiser Medical Director contract is valid until June 30, 2023, and Kaiser will assign a physician as the EMS Medical Director for the remainder of the contract. The new Medical Director position will be put out for competitive bidding per County contracting guidelines.</p>
<p>Roll Call – <i>Stephanie Mello</i></p>	<p>Stephanie Mello conducted roll call. <i>Quorum present.</i></p>
<p>Meeting Minutes – <i>Stephanie Mello</i></p>	<p>APPROVED – Advisory Group members had no changes to the August 11, 2022, draft meeting minutes. Meeting minutes were approved on a motion by Dr. J. Douglas Kirk and seconded by Lt. Jack Noble. Approved by members' vote.</p>
<p>EMS Committee Update – <i>Hernando Garzon, MD</i></p>	<p><u>STEMI Transports per Receiving Hospital:</u> Dr. Garzon presented the 2021 data and EMAG members discussed the driving factors leading to STEMI transport designations.</p> <p><u>Trauma:</u> Nothing significant to report.</p> <p><u>Technical Advisory Group (TAG):</u> The group that reviews data for quality improvement. The group has not met since last EMAG.</p> <p><u>STEMI:</u> Nothing significant to report.</p> <p><u>Stroke:</u> The Committee discussed methods for improving field assessments for Stroke. Discussed if Stroke scales sensitive/accurate enough to differentiate between primary and comprehensive stroke. Consensus is to improve paramedics' ability to run the stroke scale and see if accuracy numbers improve and approach closer to the national standard.</p> <p><u>MAC/OAC:</u> The committee agreed to start an APOT subgroup to discuss possible solutions to lower APOT.</p>

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<p>Winter Surge – <i>Hernando Garzon, MD</i> <i>Olivia Kasirye, MD</i></p>	<p><u>Influenza, COVID and RSV:</u> The winter surge hit early and is impacting hospitals. RSV is plateauing and declining. Influenza and COVID numbers are rising. Influenza numbers are tracking similarly as in the winter of 2017-18. Pediatric hospitals are being heavily impacted as they receive both adult and pediatric patients. Currently, no declared emergency, therefore there is no additional funding or staffing support from the state.</p>
<p>Open Discussion – <i>David Magnino</i></p>	<p><u>Computer Aided Dispatch (CAD):</u> Medic, AMR and AlphaOne are online. Hoping Fire gets online before funding expires on June 30, 2023. Once Fire is online, then hospitals will be able to review the numbers in real time, and then EMS can start working with a workgroup to look at how to use the data to redirect transports.</p> <p><u>Budget Update FY 2022-23:</u> David Magnino presented the updated EMS Staffing Roadmap, reviewed the Fiscal Year 2022-23 approved growth, including the two (2) EMS Specialist positions for data and critical care program support. The new EMS Specialists are hired and start in January 2023.</p> <p><u>FY 2023-24 Budget Growth Request:</u> David Magnino reviewed the proposed FY 2023-24 Growth Request. EMAG Members expressed support for EMS requesting all additional positions as identified in the EMS Staffing Roadmap and emphasized the importance of explaining/demonstrating the value of the additional positions, how the positions and added services benefit the EMS system and the importance of quantifying the impact of the additional positions.</p> <p><u>Vehicle Code Fine Revenue Replacement:</u> David Magnino reviewed the continued decline in Vehicle Code Fine revenue and the need for alternate sustainable funding.</p>
<p>Public Comment</p>	<p>No public comments.</p>
<p>Action Item(s)</p>	<p><u>STEMI and Stroke 2022 Destination Data:</u> EMS to present the 2022 STEMI and Stroke destination data.</p> <p><u>EMS Growth Requests:</u> Prepare for the Hospital Council to present to the Board of Supervisors in support of the FY 203-24 growth requests, information explaining/demonstrating the value of the additional positions, how the positions and added services benefit the EMS system and quantifying the impact of the additional positions.</p>
<p>Closing Remarks and Adjourn – <i>David Magnino</i></p>	<p>David thanked everyone for participating in today’s meeting and acknowledged the hard work of everyone in the group. With no additional business to discuss, the meeting adjourned at 3:49 PM, with a motion by James Pierson and seconded by Dr. Yu.</p>
<p>Next Meeting</p>	<p>Thursday, February 9, 2023 / 2:30 PM – 4:00 PM 9616 Micron Ave. Suite 900 (Conference Room 1). Sacramento, CA 95827</p>

Criteria Utilized to Generate Maps Illustrating Originating Address for STEMI Patients per Destination Hospital



Advanced Search Dashboard Report

Search Parameters

Data Types: Emergency Medical Services **Date Range:** Previous Year (01/01/2022 to 12/31/2022)

Date Bin: Partial Week

States: California

Counties: Sacramento

Syndromes: STEMI

Types of Service Requested: Emergency Response (Primary Response Area)

Minimum Alert Threshold: ! Moderate

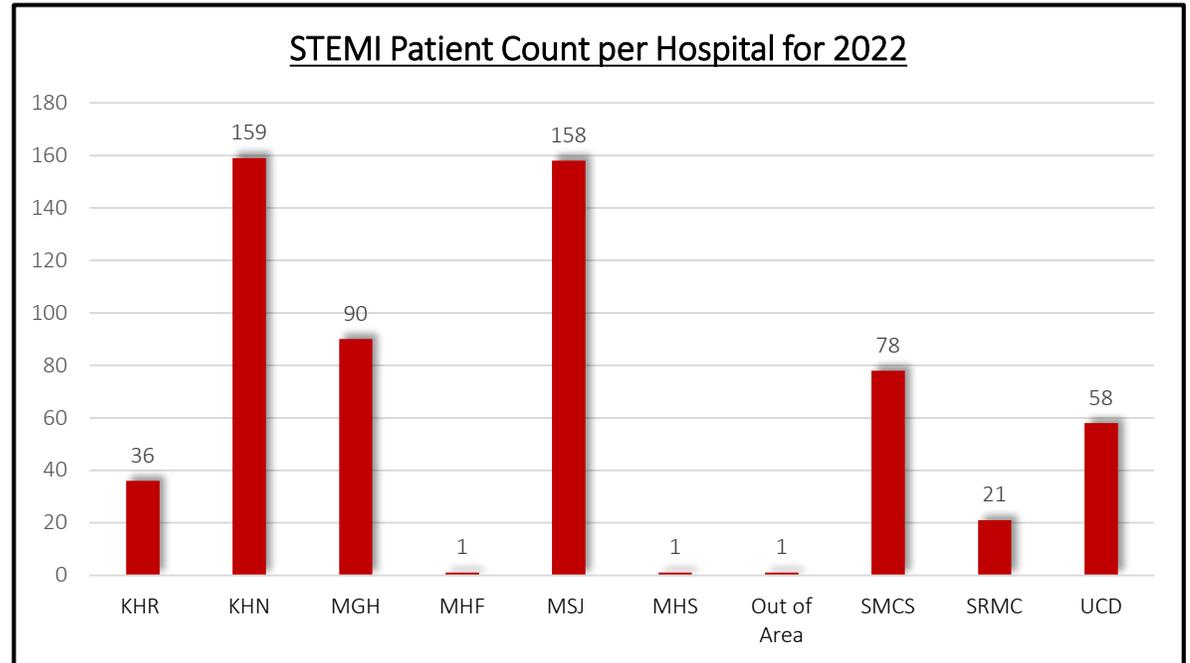
Provider Primary Impression: Matches (sub-codes included): I21.3 - ST elevation (STEMI) myocardial infarction of unsp site

Incident/Patient Dispositions: Treated, Transported by this EMS Unit

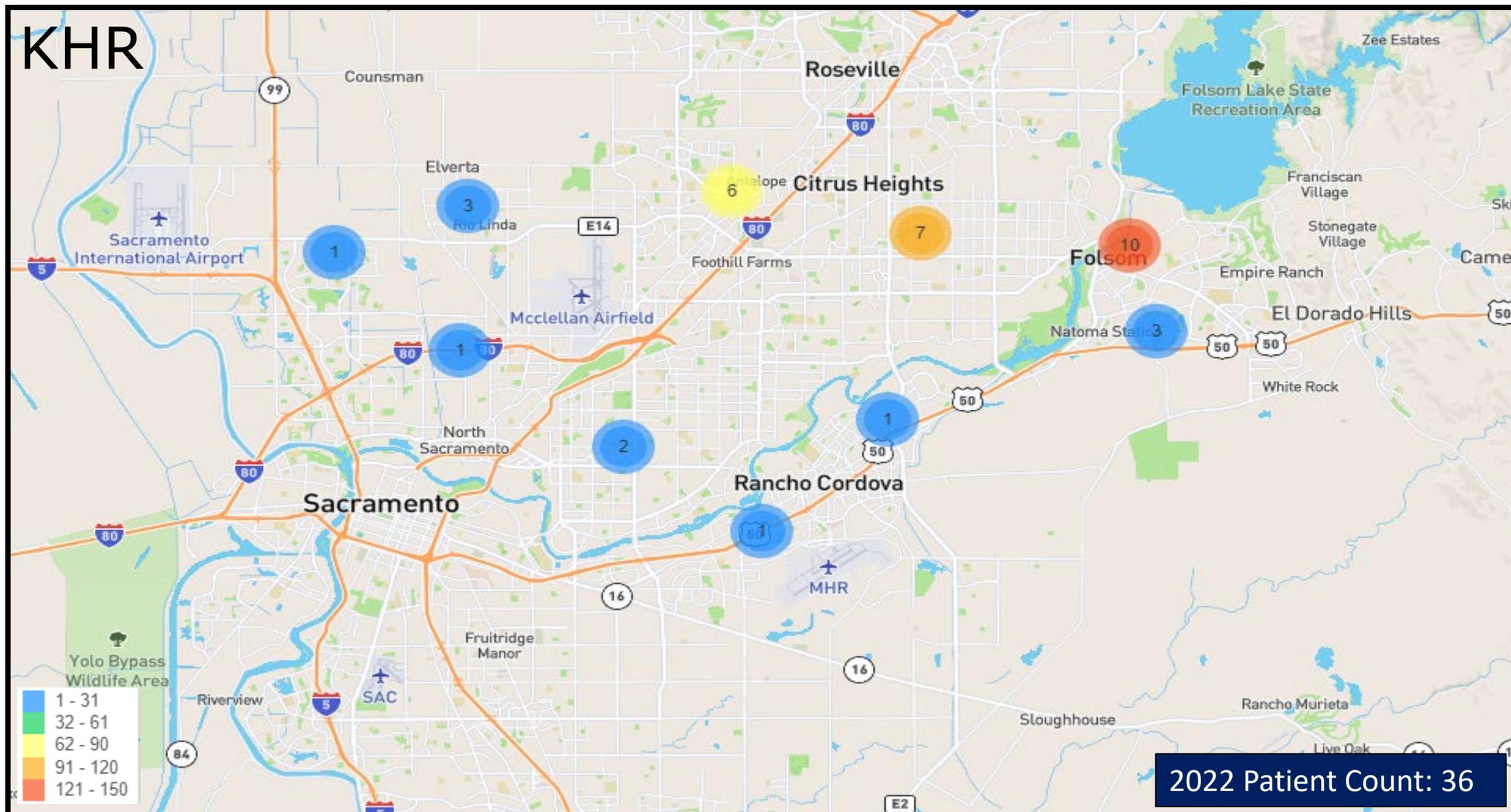
Destination Types: Hospital-Emergency Department

2022 STEMI Patient Hospital Distribution

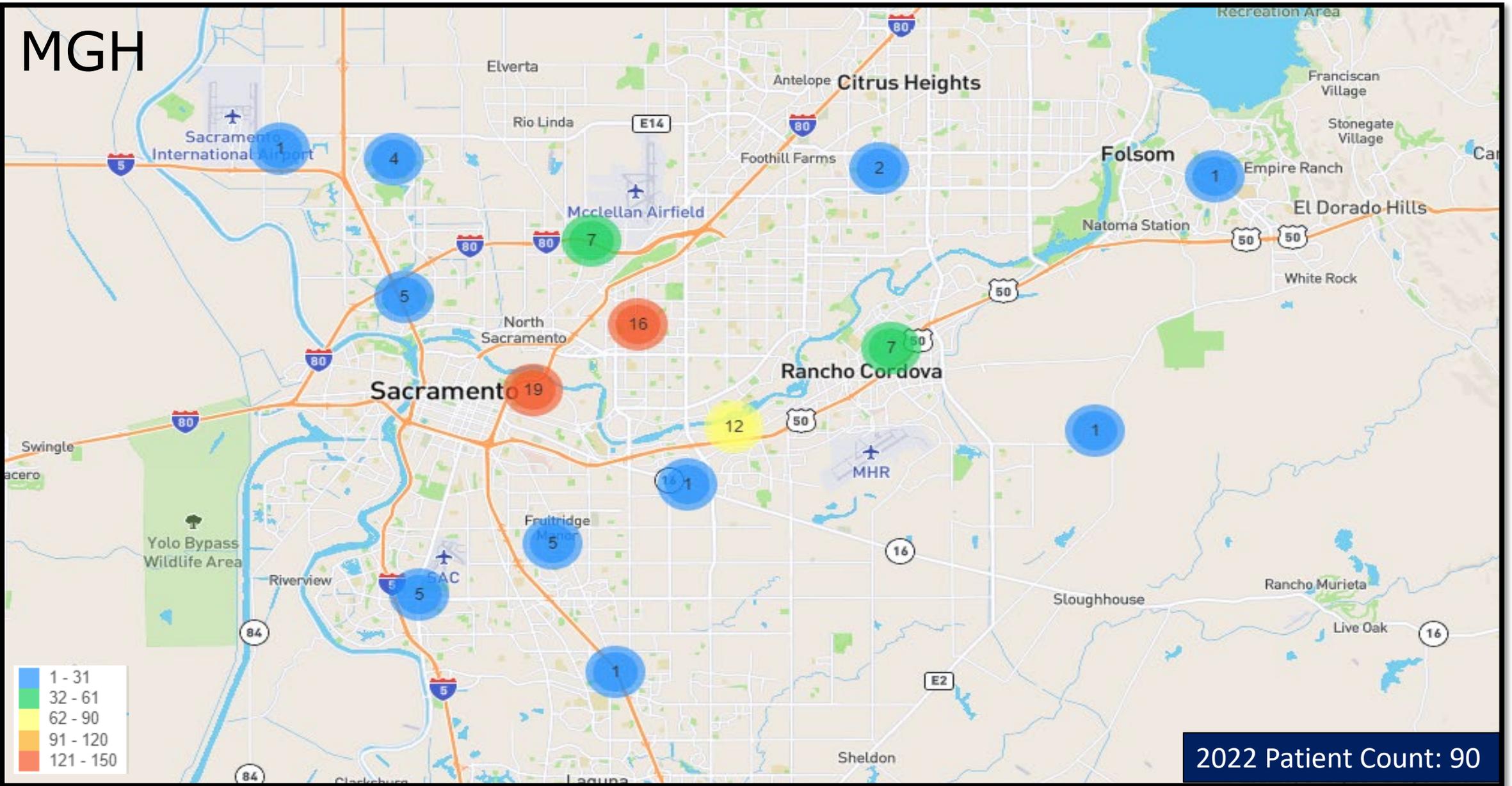
Hospital	STEMI Counts
KHR	36
KHN	159
MGH	90
MHF	1
MSJ	158
MHS	1
Out of Area	1
SMCS	78
SRMC	21
UCD	58
Total	603



KHR

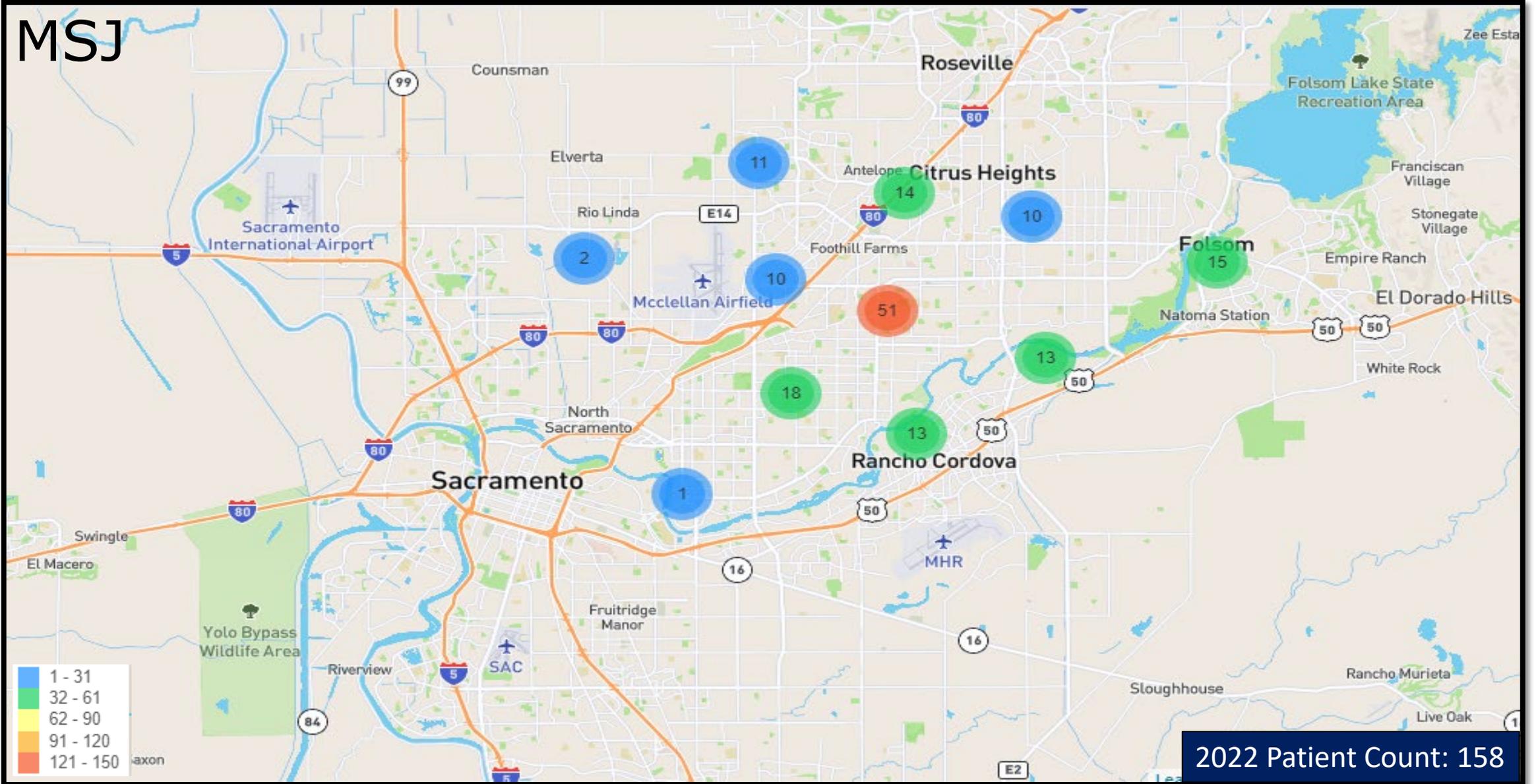


MGH

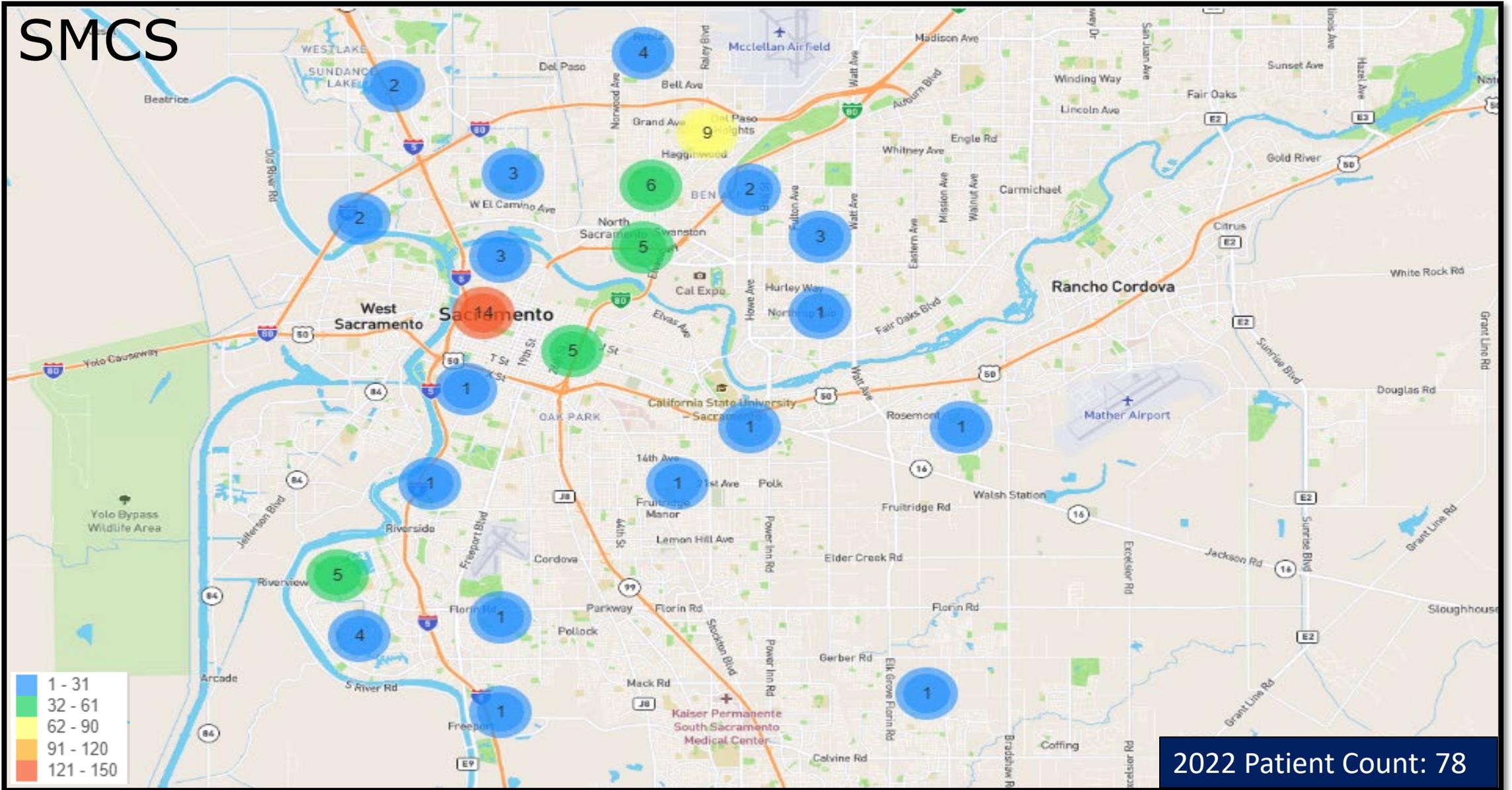


2022 Patient Count: 90

MSJ

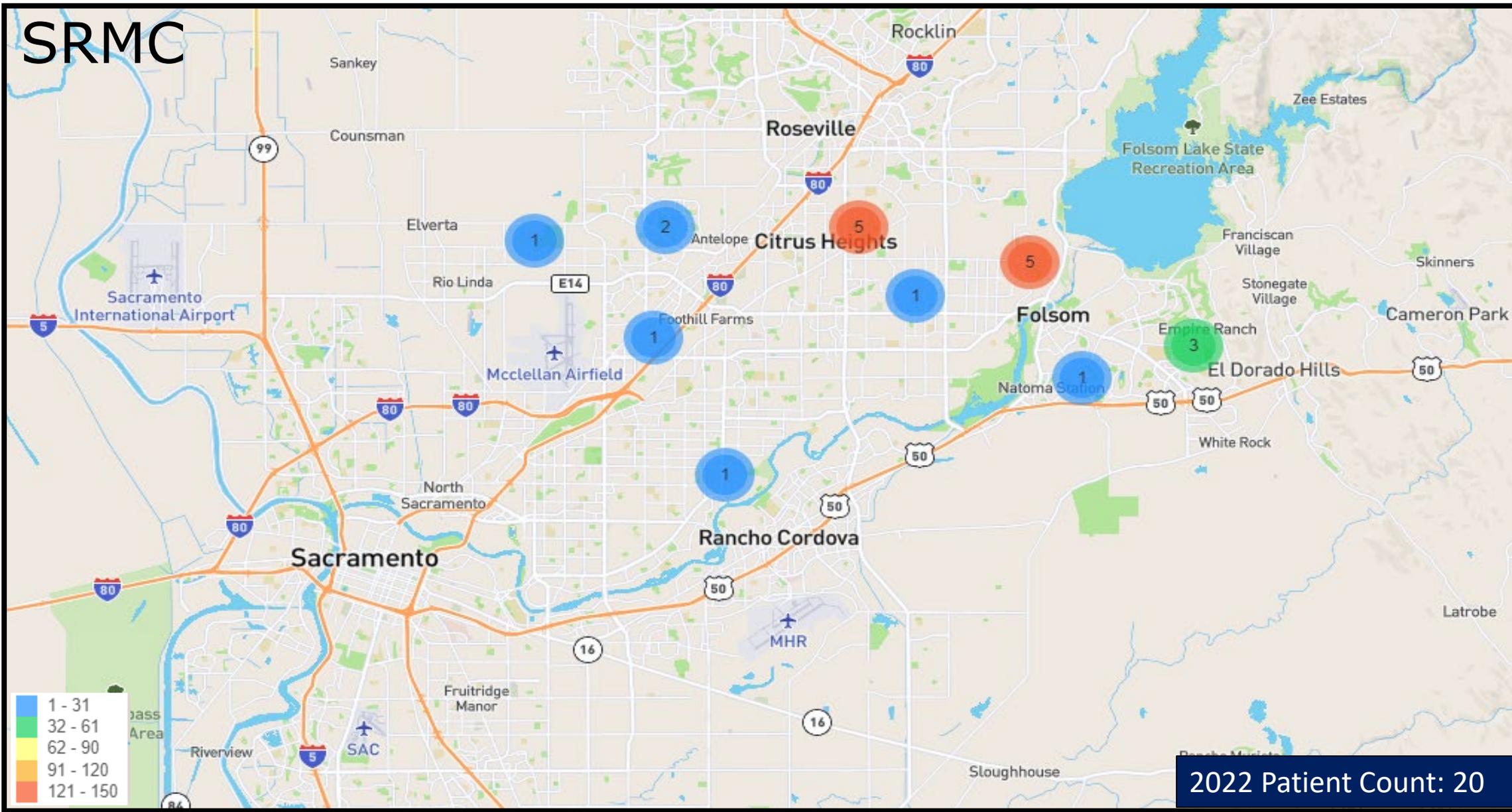


SMCS

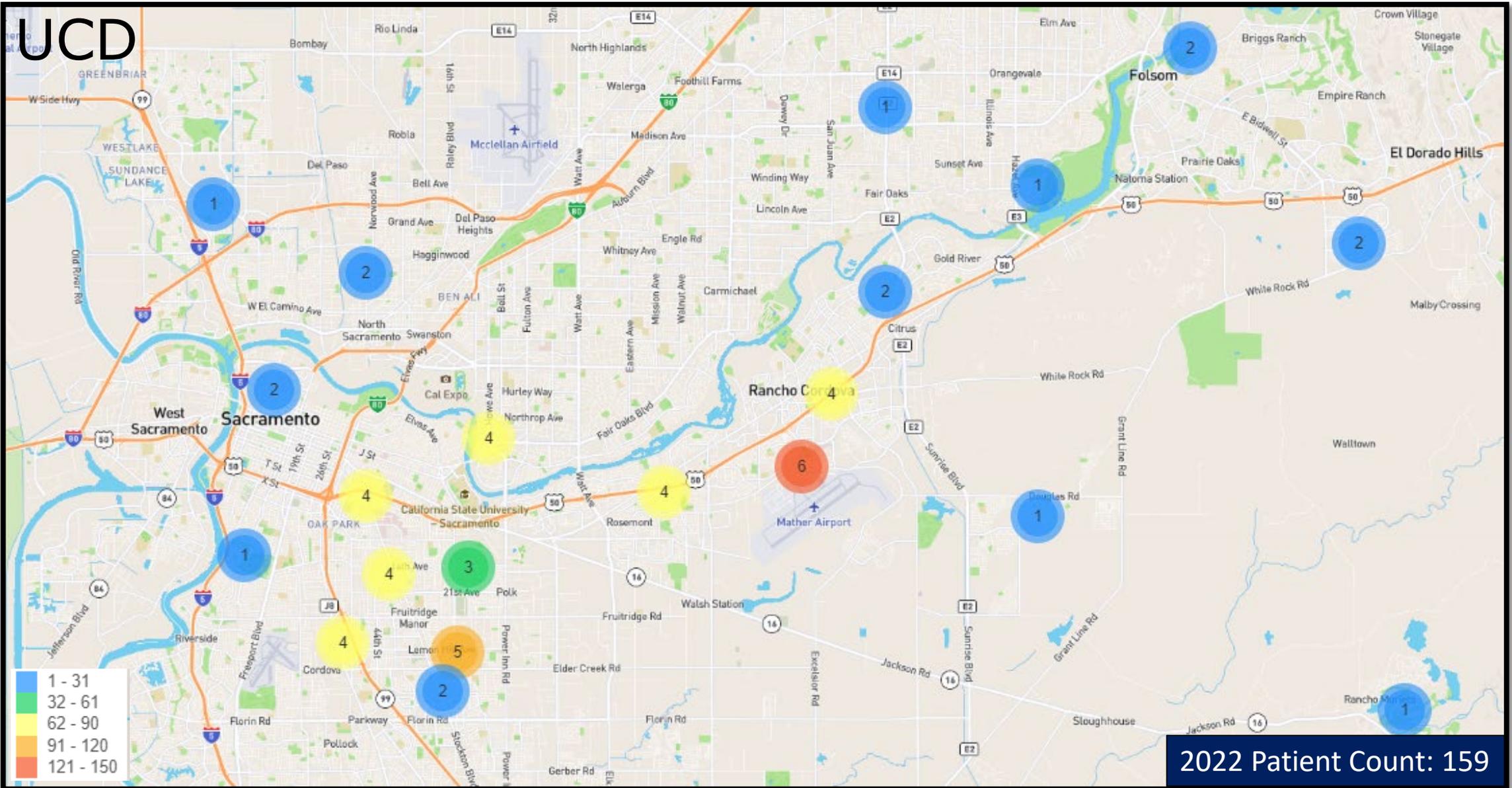


2022 Patient Count: 78

SRMC



UCD



Criteria Utilized to Generate Maps Illustrating Originating Address for Stroke Patients per Destination Hospital



Advanced Search Dashboard Report

Search Parameters

Data Types: Emergency Medical Services

Date Range: Previous Year (01/01/2022 to 12/31/2022)

Date Bin: Partial Week

States: California

Counties: Sacramento

Syndromes: Stroke

Types of Service Requested: Emergency Response (Primary Response Area)

Minimum Alert Threshold: ! Moderate

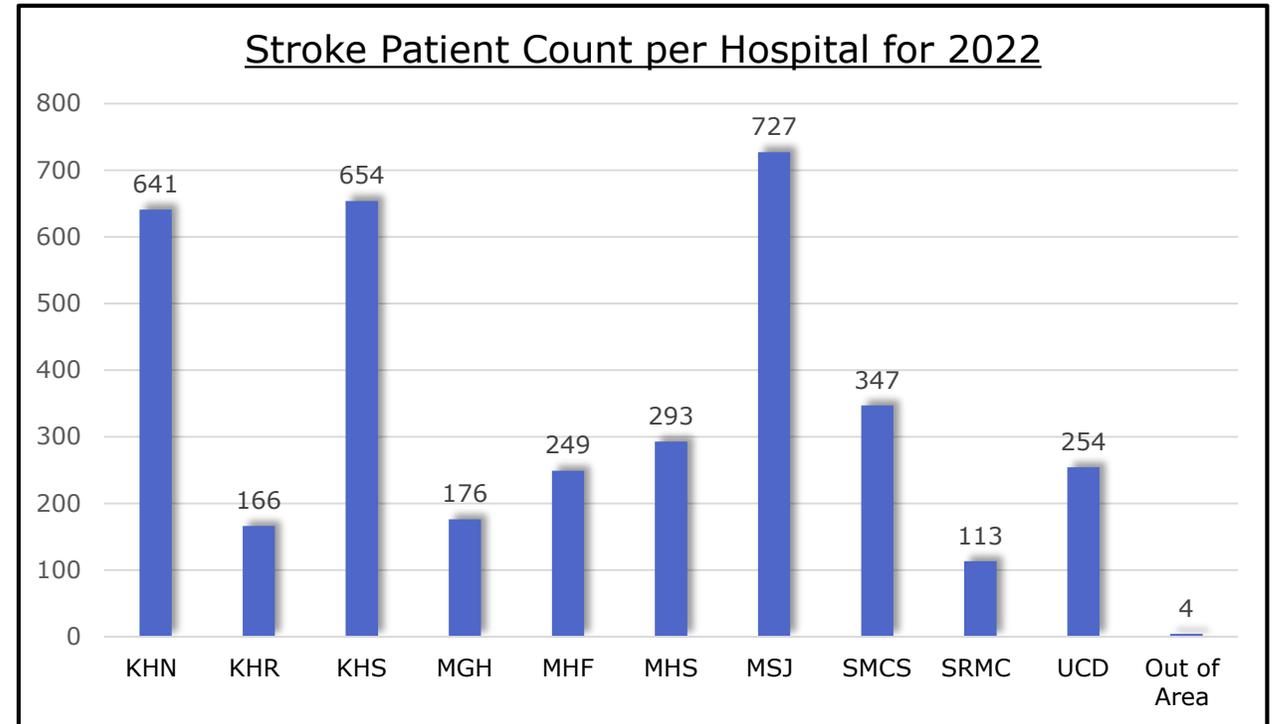
Provider Primary Impression: Matches (sub-codes included): I63.9 - Cerebral infarction, unspecified

Incident/Patient Dispositions: Treated, Transported by this EMS Unit

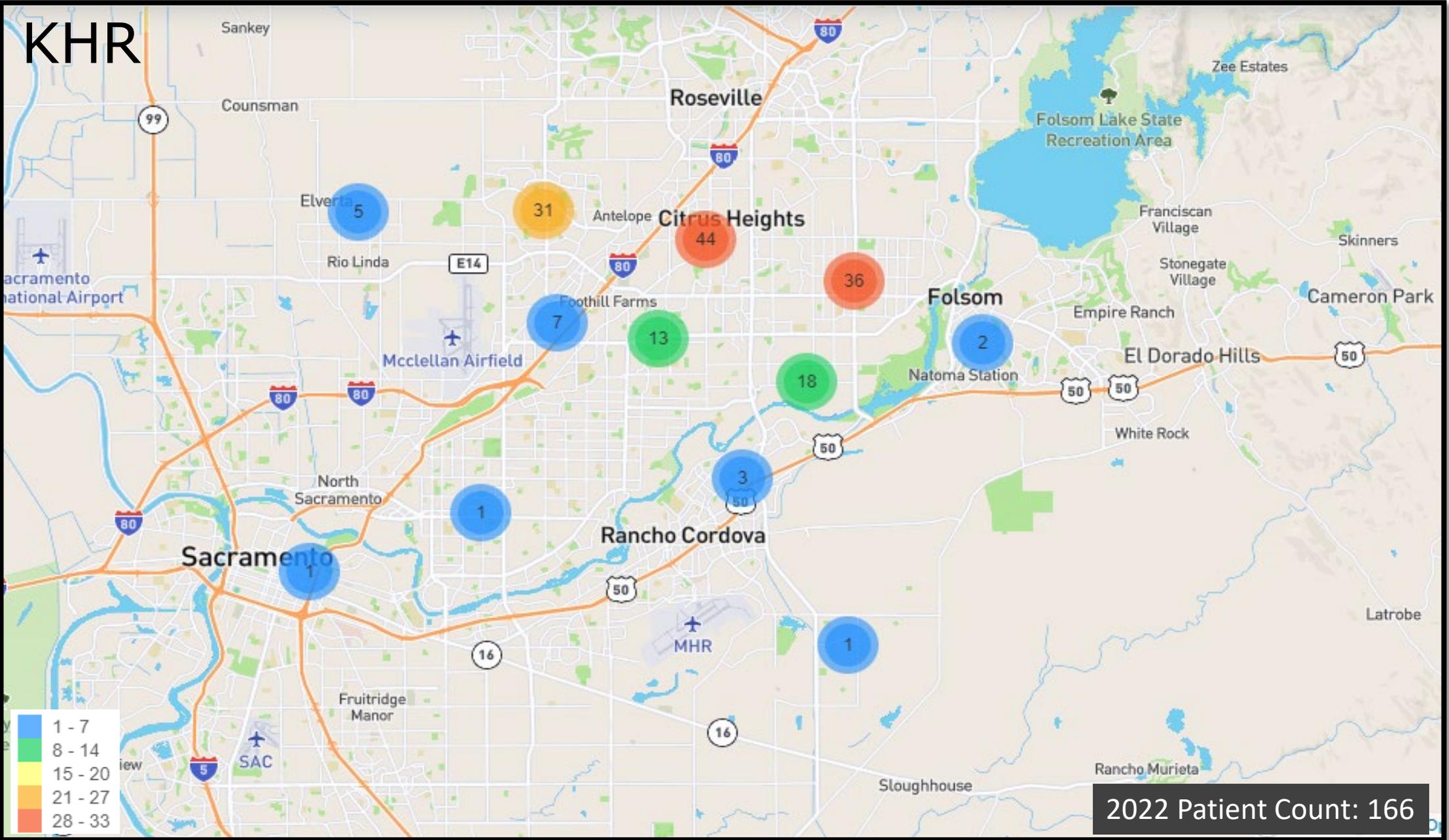
Destination Types: Hospital-Emergency Department

2022 Stroke Patient Hospital Distribution

Hospital	Stroke Counts
KHN	641
KHR	166
KHS	654
MGH	176
MHF	249
MHS	293
MSJ	727
SMCS	347
SRMC	113
system	3366
UCD	254
Out of Area	4
Total	3624

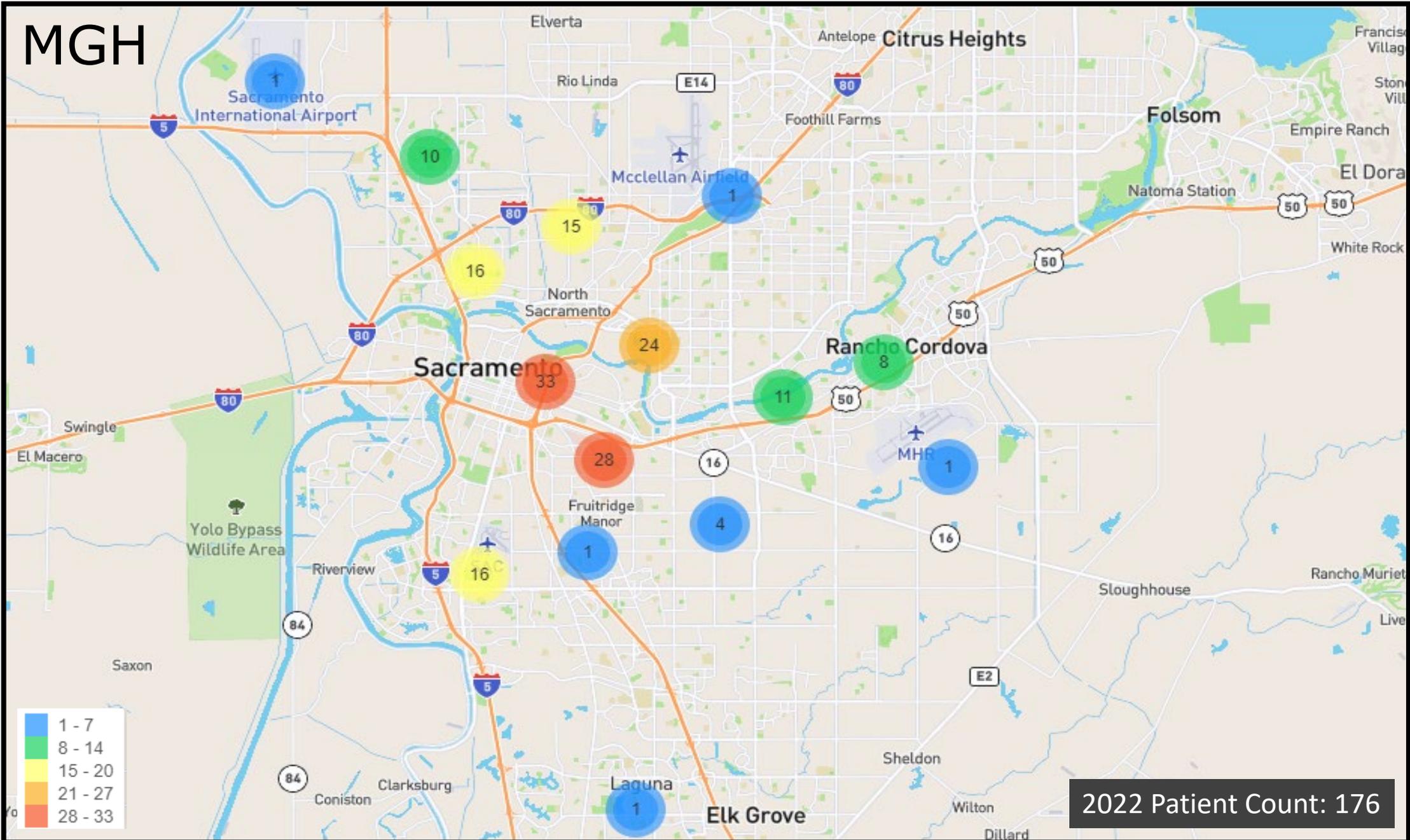


KHR



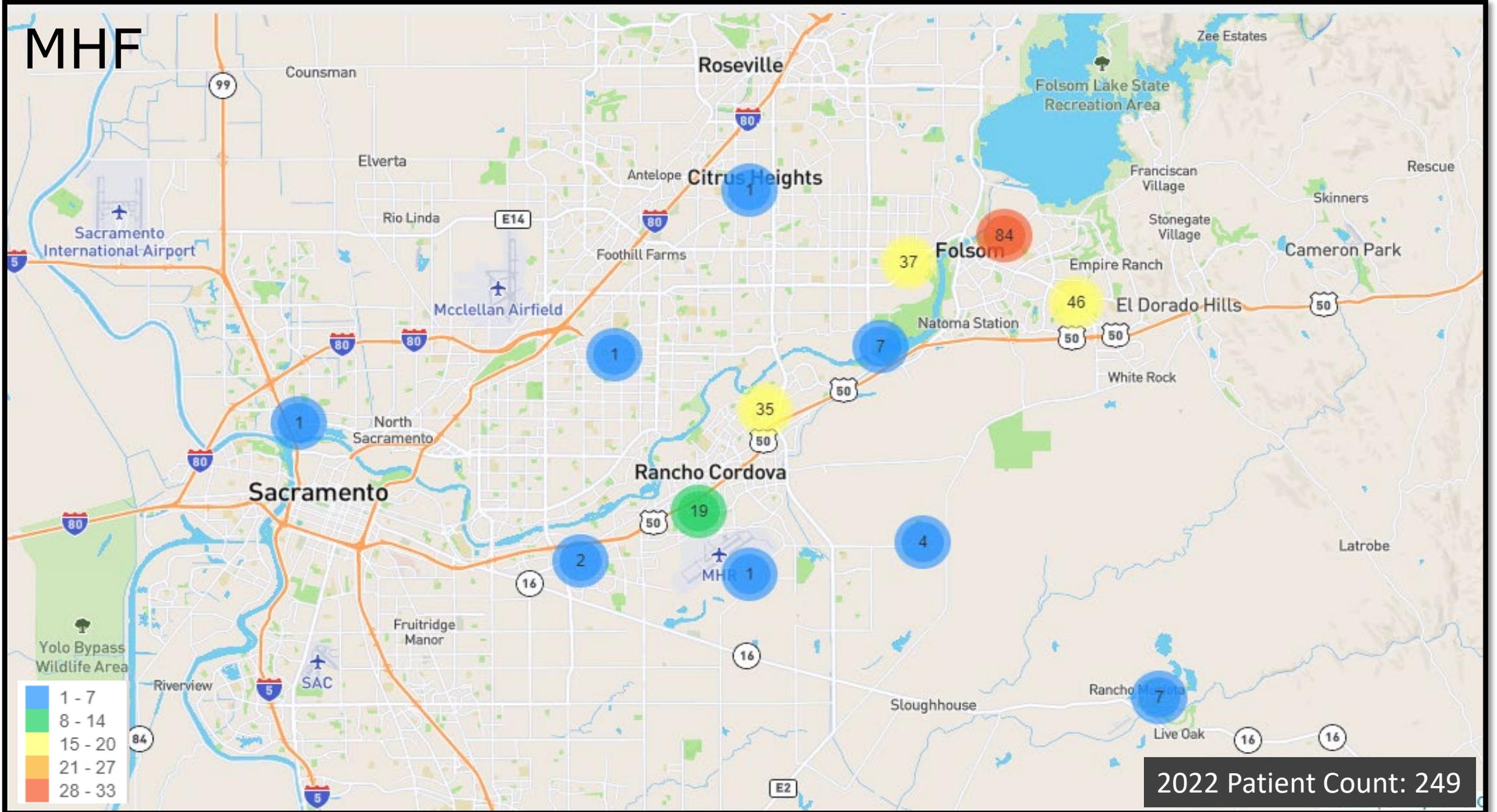
2022 Patient Count: 166

MGH

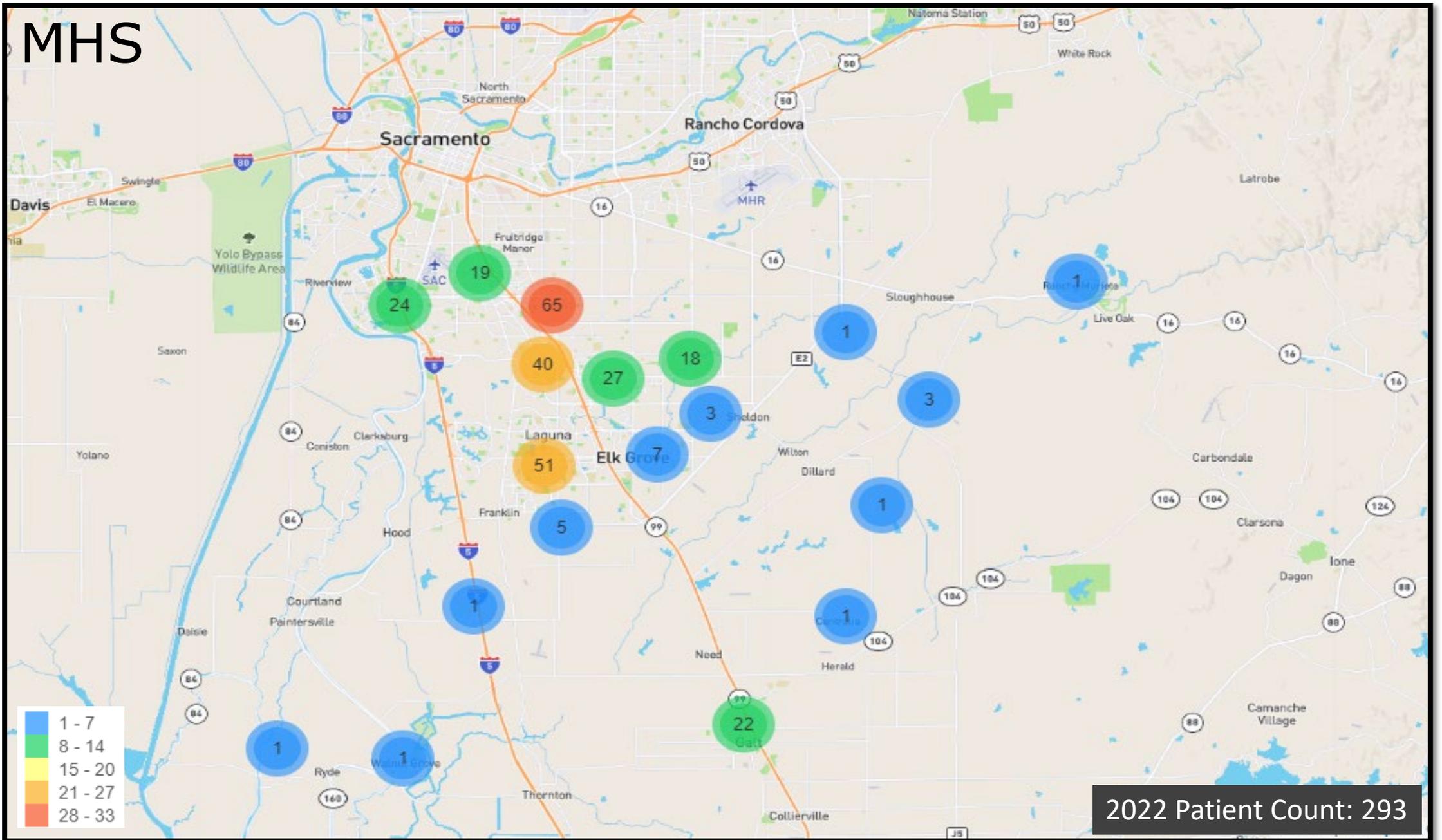


2022 Patient Count: 176

MHF

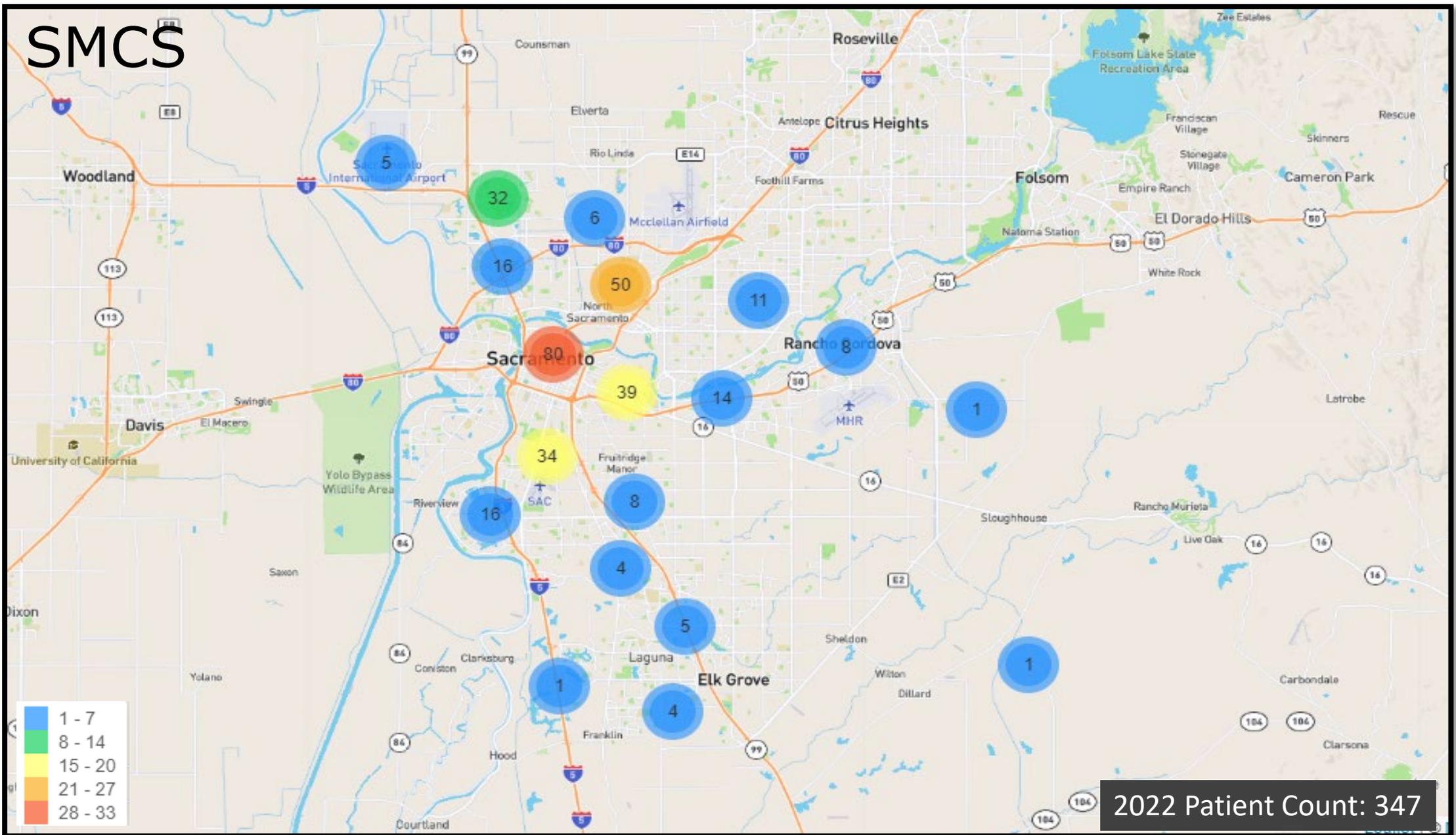


MHS

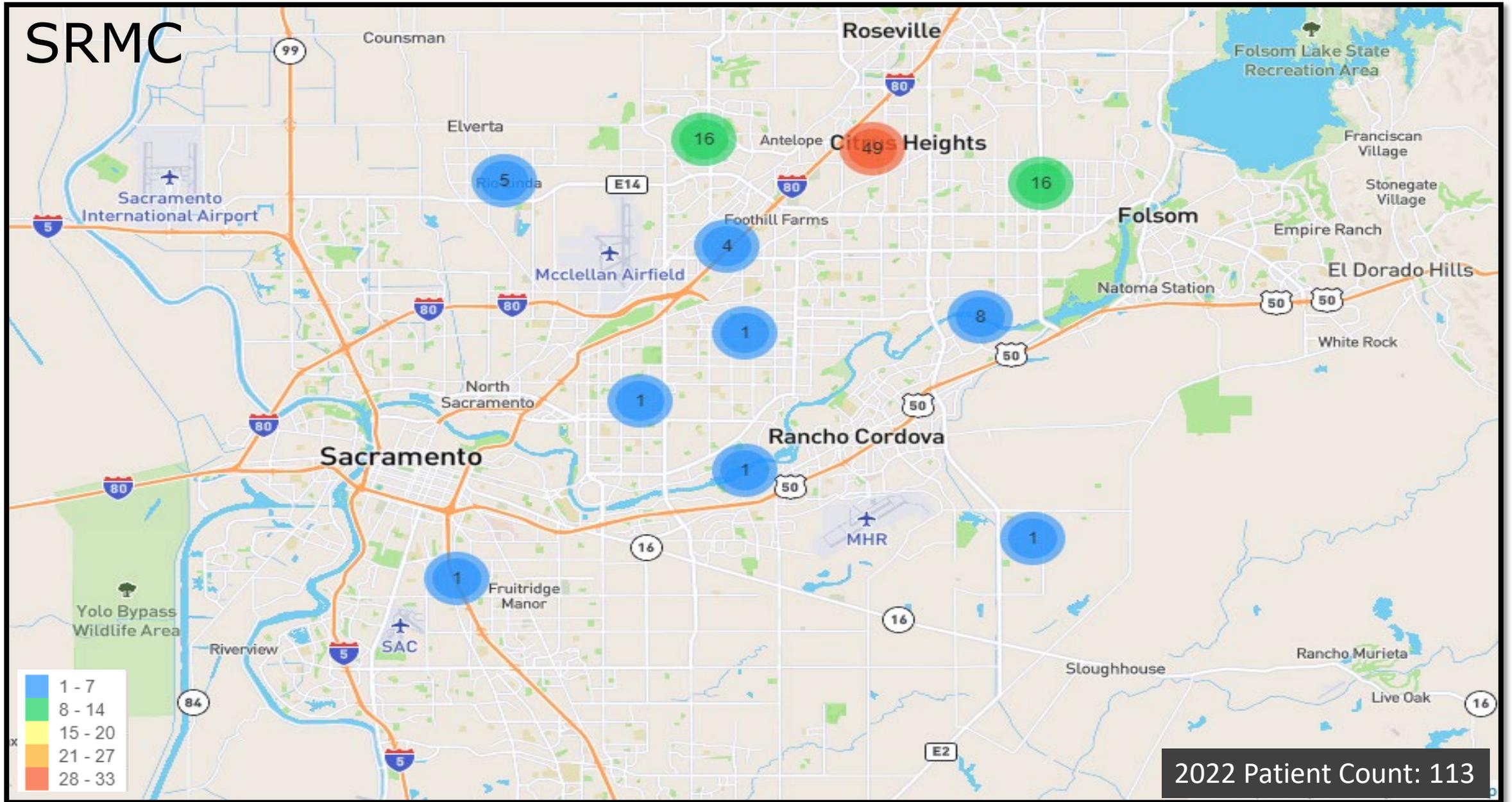


2022 Patient Count: 293

SMCS



SRMC





Emergency Medical Services Agency (SCEMSA)
Naloxone Training Program

Division of Public Health
February 9, 2023, 2023

David Magnino, EMS Administrator

Emergency Medical Services Agency (SCEMSA)

Naloxone Training Program

- Naloxone for Public Safety Personnel is regulated under California Code of Regulations, Title 22, Division 9, Prehospital Emergency Medical Services. Local Emergency Medical Service Agencies oversee the programs within their jurisdiction.
- Sacramento County Emergency Medical Services Agency Naloxone Training Program for Law Enforcement was started in late 2017 and Sacramento area Law Enforcement agencies began to apply for approval in 2018.
- Within the Sacramento area, all local Police Departments, some College/High School Police Departments, State Parks, Department of Justice(s) and Department of Alcoholic Beverage Control carry Naloxone.
- Each provider is responsible for training, tracking, and reporting, Naloxone.

223 (14.3 /100k)
 Deaths Related to Any Opioid Overdose in Sacramento County, 2021

748 (48.1 /100k)
 ED Visits Related to Any Opioid Overdose in Sacramento County, 2021

180 (10.8 /100k)
 Hospitalizations Related to Any Opioid Overdose in Sacramento County, 2021

728,520 (419.5 /1k)
 Prescriptions for Opioids in Sacramento County, 2021

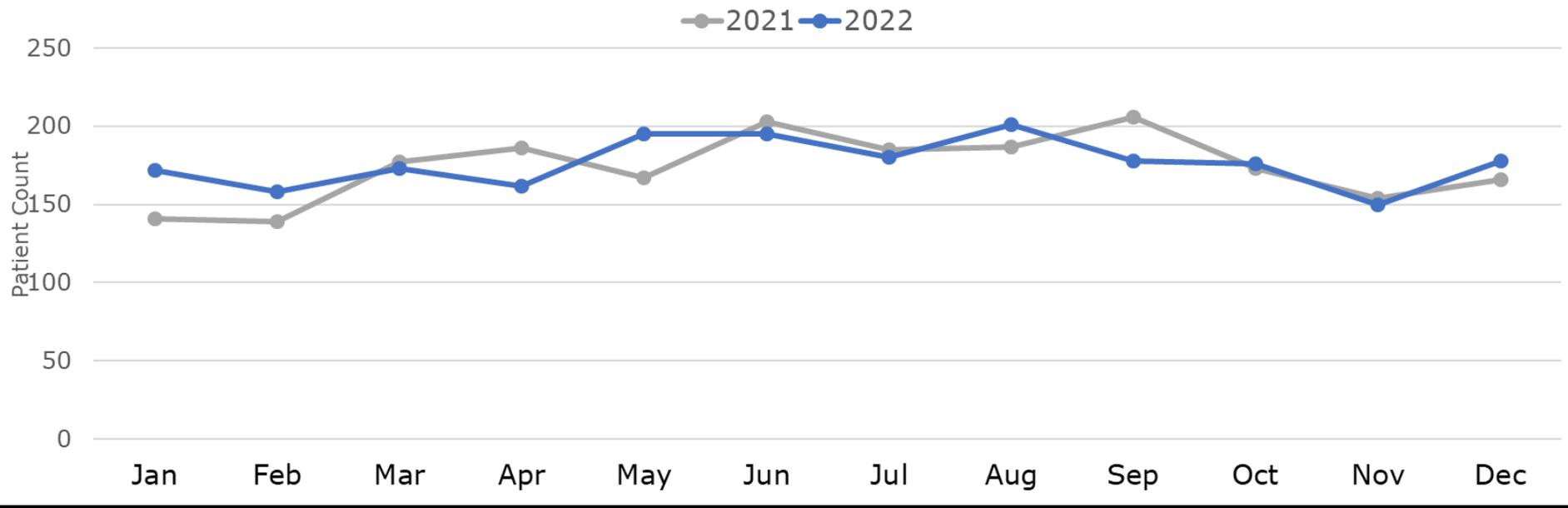
Narcan administrations in 2021 vs. 2022 by EMS Providers

EMS Provider Narcan use 2021 vs 2022

Agency Name	2021	2022
Sac Metro	825	814
Cosumnes	109	109
Sac Airport Fire	1	4
AlphaOne	49	37
Folsom	55	45
River Delta	2	
Sac Fire	881	921
AMR	143	183
Norcal	1	1
Medic	14	2
Wilton	1	2
ProTransport	1	0
Versa Care	1	0
Herald	1	0
Total	2,084	2,118

Month	Year	
	2021	2022
Jan	141	172
Feb	139	158
Mar	177	173
Apr	186	162
May	167	195
Jun	203	195
Jul	185	180
Aug	187	201
Sep	206	178
Oct	173	176
Nov	154	150
Dec	166	178
Total	2084	2118

Sacramento EMS Patient Count of Narcan use per Month 2021 vs 2022



Administrations by Law Enforcement Agencies 2021

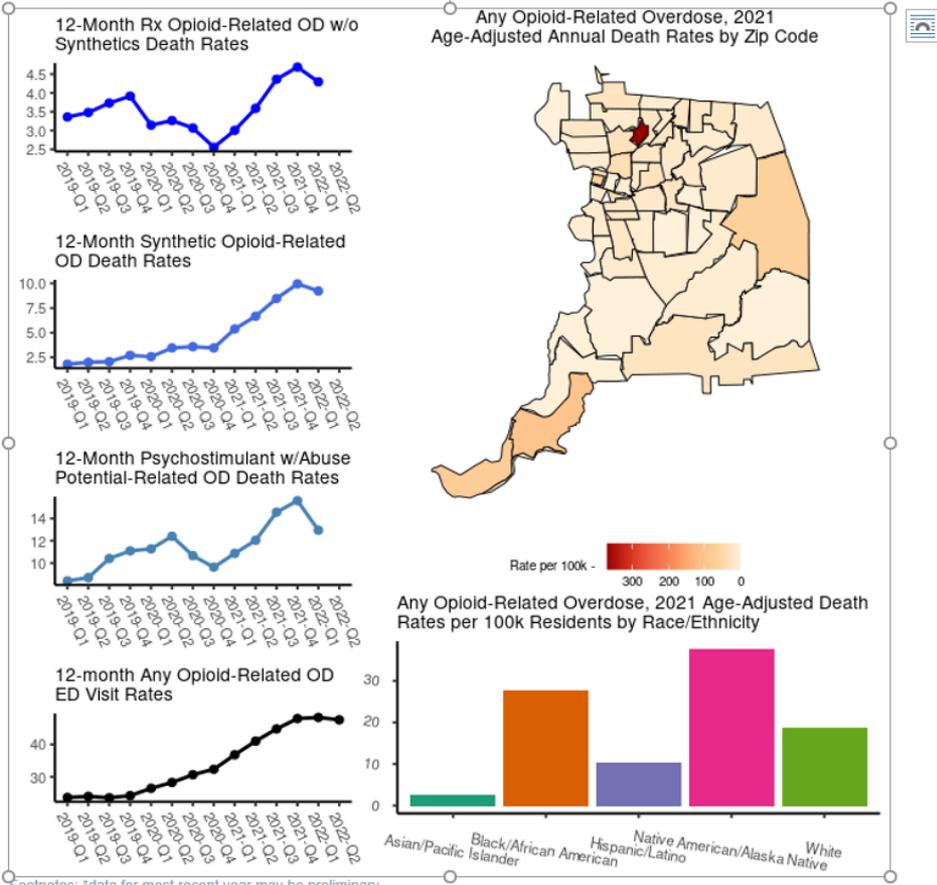
- 2021 Law Enforcement Naloxone Utilization reported:
 - 50 –Seven (7) of the sixteen (16) Law Enforcement Agencies reporting. Confirmed non-usage for many.

- 2022 Law Enforcement Naloxone Utilization reported:
 - 119 – Eight (8) of the sixteen (16) Law Enforcement Agencies reporting.

Sacramento Opioid Overdose Snapshot: 2019-Q1 through 2022-Q2

Report downloaded 01-26-2023

Sacramento experienced 223 opioid-related overdose deaths in 2021, the most recent full year of data available. The annual crude mortality rate for 2021 was 14.31 per 100k residents, an increase of 87% from 2019. The following charts present 12-month rates for selected overdose indicators* (visit the CA Overdose Surveillance Dashboard Data Definitions page for indicator details). The map displays the annual age-adjusted rates for Any Opioid-Related overdose deaths by zip code. Synthetic opioid overdose deaths may be largely related to fentanyl.



Footnotes: *data for most recent year may be preliminary. 12-month rates are based on moving averages; OD = Overdose. Report produced by the California Overdose Surveillance Dashboard: <https://cdph.ca.gov/opioidashboard/>

Opioid –Related Overdose Deaths in Sacramento

Demographic Breakdown

Any Opioid-Related Overdose Deaths by Age Groups, 2021
Crude Rate per 100,000 Residents

