

EMERGENCY MEDICAL CARE COMMITTEE MEETING AGENDA



Thursday, May 19th, 2022, at 8:30 A.M.

Virtual Meeting Only – ZOOM LINK:

<https://slohealth.zoom.us/j/94542469463?pwd=MEFmM3hIQWVhY2M2dUFUUC9sNWdXQT09>

Meeting ID: 945 4246 9463

Passcode: 883349

MEMBERS

CHAIR Dr. Rachel May, *Emergency Physicians, 2018-22*
 VICE CHAIR Jonathan Stornetta, *Public Providers, 2020-24*
 Bob Neumann, *Consumers, 2018-22*
 Matt Bronson, *City Government, 2020-24*
 Alexandra Kohler, *Consumers, 2020-24*
 Chris Javine, *Pre-hospital Transport Providers, 2018-22*
 Michael Talmadge, *EMS Field Personnel, 2020-24*
 Jay Wells, *Sheriff's Department, 2020-24*
 Julia Folgelson, *Hospitals, 2020-22*
 Jennifer Sandoval, *MICNs, 2018-22*
 Dr. Brad Knox, *Physicians, 2018-22*

EX OFFICIO

Vince Pierucci, *EMS Division Director*
 Dr. Tom Ronay, *EMS Medical Director*

STAFF

Rachel Oakley *EMS Coordinator*
 Kyle Parker, *EMS Coordinator*
 Michael Groves, *EMS Coordinator*
 Sara Nygaard, *Administrative Assistant*
 Denise Yi, *PHEP Program Manager*

| AGENDA | ITEM | LEAD |
|--|---|---|
| Call to Order | Introductions | R. May |
| | Public Comment | |
| Receive and File Report | Approval of minutes: March 17 th , 2022 Minutes (<i>attached</i>) | R. May |
| | <ul style="list-style-type: none"> • EMCC Nominations 7/1/22 – 6/30/26 <ul style="list-style-type: none"> ○ Brad Knox – Central Coast Medical Association ○ Rachel May – ER Physicians (Health Officer) ○ Chris Javine – Pre-hospital transport providers (Health Officer) ○ Diane Burkey - MICNs (Health Officer) ○ Bob Nueman – Consumer Representative (Health Officer) • EMCC Nomination 7/1/22 – 6/30/24 <ul style="list-style-type: none"> ○ Julia Fogelson – Hospital Administrator (Hospital Administrators) • | V. Pierucci |
| | <ul style="list-style-type: none"> • 1st Quarter Ambulance Patient Off-load Time (APOT) report • 2021 Core Measures Report • 2021 Cardiac Arrest Registry to Enhance Survival (CARES) report | M. Groves |
| | <ul style="list-style-type: none"> • COVID Update | V. Pierucci |
| Staff Reports | <ul style="list-style-type: none"> • Health Officer • EMS Agency Staff Report • EMS Medical Director Report • PHEP Staff Report | P. Borenstein V. Pierucci T. Ronay D. Yi |
| Committee Members Announcements or Reports | <ul style="list-style-type: none"> • Opportunity for Board members to make announcements, provide brief reports on their EMS-related activities, ask questions for clarification on items not on the agenda, or request consideration of an item for a future agenda (Gov. Code Sec. 54954.2[a][2]) | Committee Members |
| Adjourn | <p style="text-align: center;">Next Meeting: Thursday September 15th, 2022, 0830 **Summer recess July & August**</p> | |

Draft

**Emergency Medical Care Committee
Meeting Minutes
Thursday March 17th, 2022.
Meeting Held Virtually via ZOOM**



Members

- CHAIR Dr. Rachel May, *Emergency Medicine Physicians*
- VICE CHAIR Jonathan Stornetta, *Public Providers*

- Bob Neumann, *Consumers*
- Alexandra Kohler, *Consumers*
- Matt Bronson, *City Government*
- Chris Javine, *Pre-Hospital Transport Providers*
- Michael Talmadge, *EMS Field Personnel*
- Dr. Brad Knox, *Physicians*
- Jay Wells, *Sheriff's Department*
- Julia Fogelson, *Hospitals*
- Jennifer Sandoval, *MICNs*

Ex Officio

- Vince Pierucci, *EMS Division Director*
- Dr. Thomas Ronay, *LEMSA Medical Director*

Staff

- Rachel Oakley, *EMS Coordinator*
- Mike Groves, *EMS Coordinator*
- Kyle Parker, *EMS Coordinator*
- Denise Yi, *PHEP Program Manager*
- Sara Schwall, *Administrative Assistant*

Guests – Rob Jenkins, CalFire; Mike McDonough, CCHD; Aaron Hartney, Cal Star; Dr. Heidi Hutchinson, ER; Natasha Lukasiewicz, FHD ED Director

| AGENDA ITEM / DISCUSSION | ACTION |
|--|---|
| CALL TO ORDER | Meeting called to order at 08:36 AM |
| Introductions | Roundtable |
| Public Comment | No comments |
| Approval of January 20th, 2022 Meeting Minutes – | J. Sandoval Motions. B. Neumann 2nds. All in favor. |
| <p>Recommendation for Approval Policy changes for policies 350 and 351.</p> <p>Policy 350: MICN Initial Authorization:</p> <ul style="list-style-type: none"> • Ride along requirement eliminated. • Require a letter of employment/separation • No longer needed to submit application in person. • MICN liaison will act as coordinator of MICN applicants to maintain accuracy. • Application fee is waived. • Attachment A-D are revised to reflect the above. <p>Policy 341: MICN Reauthorization:</p> <ul style="list-style-type: none"> • Two classes required with proof of attendance • MICN liaison will act as coordinator of MICN applicants to maintain accuracy. • Require a letter of employment • Application fee is waived • Base Station Meetings reduced from 6 to 4 meetings and requirement of 6 CEs has been eliminated. <p>Discussion:</p> <ul style="list-style-type: none"> • B. Knox: Shouldn't MICN look at an ambulance at the minimum? • R. May: Not clear why the ride along was removed and has concerns of MICN not spending time with medics and understanding the field. | R. Oakley |

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| <ul style="list-style-type: none"> • V. Pierucci: COVID eliminated the capacity for hospitals to spare staff for ride along • J. Fogelson: Suggests MICN have an orientation at the ED bay to familiarize themselves with a rig and medic calls. • J. Sandoval: Agrees with J. Fogelson and would like to explore options for MICN who want the orientation. • V. Pierucci: Suggests adding ride along back into requirements at 4 hours instead of 6 plus 4 hours at MEDCOM. It is valuable for MICN to see pre-hospital care. • K. Parker: Suggests use of checklist with orientation requirements. • J. Sandoval: Can certain topics be communicated in another format besides a ride along? • T. Ronay: In favor of ride along requirements to give MICN regional knowledge and a better understanding of the environment that the patient is being cared for. • R. Oakley: We can revise the MICN policy but would need to pass it through Ops first. • V. Pierucci: We will rework the policy and come back at a future meeting. <p>Contract Renewal:</p> <ul style="list-style-type: none"> • The 4 year agreement with San Luis Ambulance expires June 30th, 2022. APOC approved a 2 year extension of the contract with 2 amendments. Amendment 1: SLAS will provide EMSA with patient care record login information. Amendment 2: SLAS will provide interoperability with Cambria CHD and Fire agencies in 6 months. <p>Helicopter QI Data Report Out: Data was presented from mid year 2020 until present.</p> | <p>No Action Taken</p> <p>V. Pierucci</p> <p>B. Knox motions to approve the 2 year extension. B. Neumann 2nds. R. May and C. Javine abstain. Motion carries.</p> <p>M. Groves</p> |
| <p>Report: COVID Update: Case numbers are down, hospitalizations are in the single digits, positivity rates are down. The Grover Beach, Paso Robles and SLO community testing sites will continue testing through April. COVID vaccinations have been incorporated into normal Public Health Clinic operations. Omicron surges continue abroad and the BA2 variant makes up about 11% of our county's cases. We may expect an uptick in cases with the no mask policy. Overall, looking much improved.</p> | <p>V. Pierucci</p> |
| <p>Staff Report: Dr. Penny Borenstein is acting as interim HA Director. The review process has begun for a new HA Director. We have our new AAIII, Sara Schwall in office. Our staff is preparing for the EMS Update course in May and the airway lab in June.</p> <p>EMS Medical Director Report: We are getting updates for scope of practice from the State for paramedics vaccinating and have approval. The State is working on best practices for Post-ROSC Bundles of Care. The pediatric readiness assessment is completed and new guidance for trauma is coming soon. APOT scores have been spectacular in the county! There will be a skills lab at the Paso Airport in June.</p> <p>PHEP Staff Report: COVID therapeutics distribution continues; the county is working with physicians in the county to distribute monoclonal antibodies and other therapeutics. Staff is completing an After Action Report for Public Health.</p> | <p>V. Pierucci</p> <p>Dr. Tom Ronay</p> <p>Denise Yi</p> |
| <p>Announcements: None.</p> | |
| <p>Future Agenda Items: None</p> | |

Next Regular Meeting

Next meeting will be held Thursday, May 19th, 2022, at 08:30 AM. Location TBD.

Meeting adjourned 10:13 AM

DRAFT



COUNTY OF SAN LUIS OBISPO HEALTH AGENCY

PUBLIC HEALTH DEPARTMENT

Penny Borenstein, MD, MPH *Health Officer/Public Health Director*

| | |
|------------------------------|--|
| MEETING DATE | Virtual Meeting, May 19 th , 2022 |
| STAFF CONTACT | Vince Pierucci 805-788-2512 vpierucci@co.slo.ca.us |
| SUBJECT | EMCC member nominations |
| SUMMARY | <p>Per the EMCC by-laws, members are nominated by a specific stakeholder group or the County Health Officer. The member(s) serve 4 year terms with the lone exception of the Hospital Administrator nominee which serves a 2 year term. There are no term limits.</p> <p>Once a member is nominated through the appropriate mechanism, the name(s) are submitted to San Luis Obispo County Board of Supervisors for the formal appointment.</p> <p>The term for this slate of nominees is a 4 year term which begins July 1, 2022 and concludes June 30, 2026. The nominees are:</p> <ul style="list-style-type: none">• Brad Knox – Central Coast Medical Association• Rachel May – ER Physicians (Health Officer)• Chris Javine – Pre-hospital transport providers (Health Officer)• Diane Burkey - MICNs (Health Officer)• Bob Nueman – Consumer Representative (Health Officer) <p>The term for the Hospital Administrator is a two year term which begins July 1, 2022 and concludes June 30, 2024. The nominee is:</p> <ul style="list-style-type: none">• Julia Fogelson – Hospital Administrator (Hospital Administrators) |
| REVIEWED BY | Vince Pierucci |
| RECOMMENDED ACTION(S) | Receive and File |
| ATTACHMENT(S) | N/A |

County of San Luis Obispo Health Agency

2180 Johnson Avenue | San Luis Obispo, CA 93401 | (P) 805-788-2511

www.slocounty.ca.gov/EMSA



COUNTY OF SAN LUIS OBISPO HEALTH AGENCY

PUBLIC HEALTH DEPARTMENT

Penny Borenstein, MD, MPH Health Officer/Public Health Director

| | |
|---------------|---|
| MEETING DATE | Virtual Meeting, May 19 th , 2022 |
| STAFF CONTACT | Mike Groves 805.788.2514 mgroves@co.slo.ca.us |
| SUBJECT | APOT (Ambulance Patient Offload Times) Qtr. 1 2022 Core Measures 2021 CARES (Cardiac Arrest Data) 2021 |
| SUMMARY | <p>APOT Qtr. 1 2022 SLO County continues to have among the lowest APOT times in California. Our APOT-1 90th percentile times remain below the 20 min standard. However, we noted an increase in offload times in January, February, and March from the previous year that seems to coincide with the overall increase in ED visits due to the Omicron surge. The increases were 10%, 20%, and 10% respectively. APOT-2 times showed a small increase in patient offload times between 21 min and 60 min and a small number of offload times between 61 min and 120 min.</p> <p>Each month, we eliminate 1-2% of transported calls due to data entry errors. These are normally failure to properly complete the “Transfer Time” when patients are moved to a hospital bed and the nurse signs the report, often resulting in offload times that are hours long. We also noted a number of offload times less than 1 min resulting from crews getting signatures or entering transfer times when a patient is still on the ambulance gurney. We are addressing these issue currently in the mandatory EMS Update classes.</p> <p>Core Measures 2021 SLO County participates in the State Core Quality Measures project. The following statement is taken from the California EMS System Core Quality Measures Instruction Manual paraphrasing the purpose of the Core Measures Project.</p> <p>“The Core Quality Measures Project allows EMS systems across the state to review their performance and compare their results to other similar regions. Ultimately, the project highlights opportunities to improve the quality of patient care delivered within an EMS system. EMSA continues to utilize the Core Quality Measures Project to collect information on an annual basis.”</p> |

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|------------------------------|---|
| | <p>As all our EMS providers move to ImageTrend ePCR system, we will more accurately collect the required data elements in the format required by the State.</p> <p>CARES Data 2021 2021 cardiac arrest outcomes showed improvement from 2020 but are still a little behind 2019 numbers. SLO County continues to have survival rates above both California and the U.S. for those EMS systems taking part in the CARES data base. Additionally, all cardiac arrest survivors in SLO County were discharged from the hospital with CPC scores of 1 or 2 (neurologically intact).</p> <p>There are 3 areas we will take a close look at in the coming weeks.</p> <ol style="list-style-type: none"> 1. An apparent increase in cardiac arrest resulting from drug overdoses. 2. Look closely at the use advanced airways in ROSC 3. Separating cardiac arrest data by cities or areas <p>We will report these findings to the QI Committee, Clinical Advisory Committee, and EMCC.</p> |
| REVIEWED BY | EMS Staff, Dr. Ronay, Vince Pierucci |
| RECOMMENDED ACTION(S) | Receive and File |
| ATTACHMENT(S) | APOT data from Qtr. 1 2022 Core Measures data from 2021 CARES data from 2021 |

APOT-1

| Ambulance Patient Offload Delay - 2017 Reporting Matrix (Version 05-30-17) | | | | | | |
|---|--|----------------------------------|-------------------|----------------------------------|-------------------|----------------------------------|
| APOT - 1 | | | | | | |
| LEMSA: | County of San Luis Obispo | | | | | |
| APOT Standard: | 20 minutes | | | | | |
| Directions: | List all LEMSA authorized 9-1-1 emergency ambulance receiving Hospitals (add rows as needed). Enter the total 9-1-1 emergency ambulance transports (transport denominator) to the hospital and the 90th percentile patient offload time for that hospital in minutes and seconds (00:00), or you may round to the nearest minute. Enter EMS system aggregate totals at the bottom of each month. | | | | | |
| Hospital | Jan-22 | | Feb-22 | | Mar-22 | |
| | Transports | 90th Percentile APOT Time | Transports | 90th Percentile APOT Time | Transports | 90th Percentile APOT Time |
| Twin Cities Community Hospital | 411 | 15:57 | 356 | 15:19 | 347 | 14:09 |
| Sierra Vista Regional Medical Center | 389 | 15:01 | 343 | 17:33 | 302 | 14:16 |
| French Hospital Medical Center | 287 | 18:18 | 231 | 15:41 | 192 | 14:03 |
| Arroyo Grande Community Hospital | 260 | 13:38 | 207 | 14:03 | 229 | 10:29 |
| Marian Medical Center (Santa Barbara Co) | 86 | 16:24 | 74 | 19:47 | 55 | 10:36 |
| EMS System Total (Aggregate) | 1,433 | 15:59 | 1,211 | 16:02 | 1,125 | 13:31 |

APOT-2

| | |
|------------|--|
| | Directions: List all LEMSA authorized 9-1-1 emergency ambulance receiving hospitals adding additional rows as needed, then for the indicated month; Utilizing the same denominator from APOT 1 (total 9-1-1 emergency ambulance transports) |
| 2.1 | Enter the number (transport numerator) and percentage of patients transported by EMS personnel that experience a transfer of care within 20 minutes of arrival at the Hospital Emergency Department |
| 2.2 | Enter the number (transport numerator) and percentage of patients transported by EMS personnel that experience a transfer of care between 21-60 minutes of arrival at the Hospital Emergency Department |
| 2.3 | Enter the number (transport numerator) and percentage of patients transported by EMS personnel that experience a transfer of care between 61-120 minutes after arrival at the Hospital Emergency Department |
| 2.4 | Enter the number (transport numerator) and percentage of patients transported by EMS personnel that experience a transfer of care between 121-180 minutes after arrival at the Hospital Emergency Department |
| 2.5 | Enter the number (transport numerator) and percentage of patients transported by EMS personnel that experience a transfer of care more than 180 minutes after arrival at the Hospital Emergency Department |

| Hospital | Jan-22 | | | | | | | | | |
|--|--------|-----|--------|----|--------|----|--------|----|--------|----|
| | 2.1 | | 2.2 | | 2.3 | | 2.4 | | 2.5 | |
| | transp | % | transp | % | transp | % | transp | % | transp | % |
| Twin Cities Community Hospital | 388 | 94% | 23 | 6% | 0 | 0% | 0 | 0% | 0 | 0% |
| Sierra Vista Regional Medical Center | 369 | 95% | 19 | 5% | 1 | 0% | 0 | 0% | 0 | 0% |
| French Hospital Medical Center | 262 | 91% | 25 | 9% | 0 | 0% | 0 | 0% | 0 | 0% |
| Arroyo Grande Community Hospital | 253 | 98% | 7 | 3% | 0 | 0% | 0 | 0% | 0 | 0% |
| Marian Medical Center (Santa Barbara Co) | 83 | 97% | 3 | 3% | 0 | 0% | 0 | 0% | 0 | 0% |

| Hospital | Feb-22 | | | | | | | | | |
|--|--------|-----|--------|-----|--------|----|--------|----|--------|----|
| | 2.1 | | 2.2 | | 2.3 | | 2.4 | | 2.5 | |
| | transp | % | transp | % | transp | % | transp | % | transp | % |
| Twin Cities Community Hospital | 336 | 94% | 20 | 6% | 0 | 0% | 0 | 0% | 0 | 0% |
| Sierra Vista Regional Medical Center | 322 | 94% | 20 | 3% | 1 | 0% | 0 | 0% | 0 | 0% |
| French Hospital Medical Center | 218 | 94% | 11 | 5% | 2 | 1% | 0 | 0% | 0 | 0% |
| Arroyo Grande Community Hospital | 200 | 98% | 6 | 3% | 1 | 1% | 0 | 0% | 0 | 0% |
| Marian Medical Center (Santa Barbara Co) | 66 | 89% | 8 | 11% | 0 | 0% | 0 | 0% | 0 | 0% |

| Hospital | Mar-22 | | | | | | | | | |
|--|--------|------|--------|----|--------|----|--------|----|--------|----|
| | 2.1 | | 2.2 | | 2.3 | | 2.4 | | 2.5 | |
| | transp | % | transp | % | transp | % | transp | % | transp | % |
| Twin Cities Community Hospital | 333 | 96% | 13 | 4% | 1 | 0% | 0 | 0% | 0 | 0% |
| Sierra Vista Regional Medical Center | 291 | 96% | 11 | 4% | 0 | 0% | 0 | 0% | 0 | 0% |
| French Hospital Medical Center | 182 | 95% | 10 | 5% | 0 | 0% | 0 | 0% | 0 | 0% |
| Arroyo Grande Community Hospital | 225 | 98% | 4 | 2% | 0 | 0% | 0 | 0% | 0 | 0% |
| Marian Medical Center (Santa Barbara Co) | 55 | 100% | 0 | 0% | 0 | 0% | 0 | 0% | 0 | 0% |

Cardiac Arrest Registry to Enhance Survival (CARES)

- Standardized measure of out-of-hospital cardiac arrest (OHCA)
- Developed in 2004 by CDC and Emory University School of Medicine, Dept of Emergency Medicine
- Measures total outcome and “Utstein” outcome (witnessed OHCA presenting with shockable rhythm)
- Measures only non-traumatic OHCA where resuscitation was attempted (does not include signs of obvious death criteria per policy #601 attachment A)
- SLO County EMS Agency has been collecting the data since 2017

Out of Hospital Cardiac Arrest (OHCA) Survival
SLO County
2017 - 2021

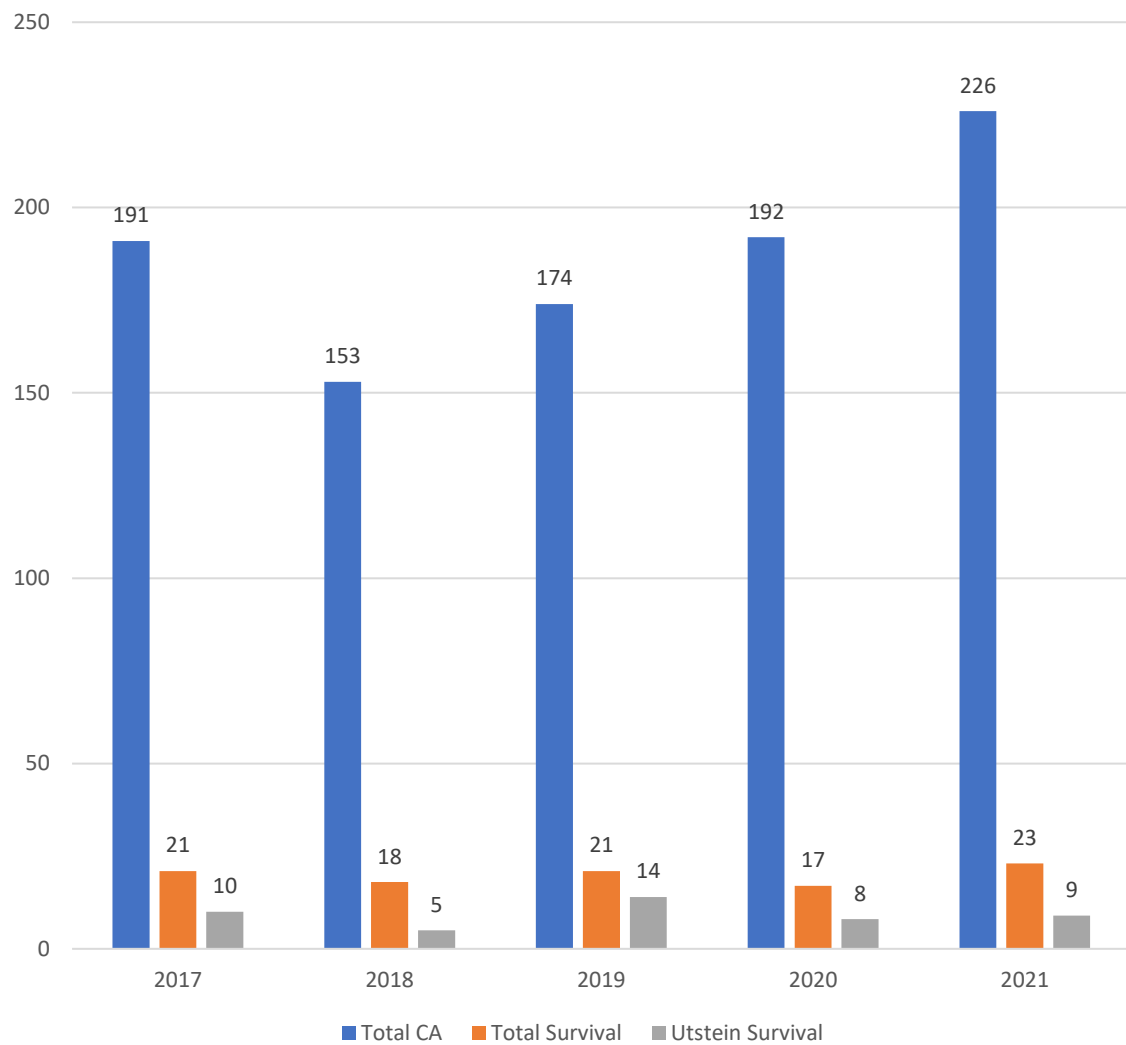
| Year | Total OHCA | Total Survival to Discharge | Total Utstein Survival to Discharge |
|------|------------|-----------------------------|-------------------------------------|
| 2017 | 191 | 21/191 11.1% | 10/22 45.5% |
| 2018 | 153 | 18/153 11.8% | 5/30 16.7% |
| 2019 | 174 | 21/174 12.1% | 14/28 50% |
| 2020 | 192 | 17/192 8.9% | 8/27 29.6% |
| 2021 | 226 | 23/226 10.2% | 9/23 40.9% |

All survivors of OHCA had a CPC of 1 or 2

Utstein: Witnessed by bystander and found in shockable rhythm

Total number of OHCA survivors 2017 – 2021 100

OHCA: Total Survival to Discharge and Utstein Survival to Discharge (CPC 1 or 2)



Cardiac Arrest Survival Rates
SLO County, California, US
1-1-2017 – 12-31-2021
(CPC 1 or 2)

| | Total OHCA | Total Survival to Discharge (%) | Total Utstein Survival to Discharge (%) |
|------------|------------|---------------------------------|---|
| SLO County | 934 | 10.7% | 35.4% |
| California | 83,803 | 8.5% | 30.5% |
| US | 537,100 | 9.8% | 31.3% |

San Luis Obispo County EMS Agency

California Core Quality Measures Data - CY 2021

| Measure ID # | Measure Name | Numerator Value (Subpopulation) | Denominator Value (Population) | Reported Value (%) | |
|--------------|--|---------------------------------|--------------------------------|--------------------|--|
| HYP-1 | Treatment Administered for Hypoglycemia | 160 | 180 | 89% | |
| PED-3 | Respiratory Assessment for Pediatric Patients | 27 | 27 | 100% | |
| RST-4 | 911 Requests for Services That Included a Lights and/or Sirens Response | 22405 | 25024 | 90% | |
| RST-5 | 911 Requests for Services That Included a Lights and/or Sirens Transport | 1411 | 15192 | 9% | |

Includes data from San Luis Ambulance and Cambria Ambulance