LOS ANGELES COUNTY EMS AGENCY

DATA FACTS

EMS SYSTEM REPORT

NOVEMBER 1, 2015

Message from the Director and Medical Director

We are happy to present the 2015 Emergency Medical Services (EMS) System Data Report. This report is intended to educate participants and the public on the performance of the EMS System. The Board of Supervisors, Department of Health Services leadership, fire departments, ambulance companies and hospitals have been instrumental in making improvements to our methods of data collection. All EMS Agency data originates from 9-1-1 patient care reports and self reported hospital data. We are now able to track patients from the prehospital setting to their discharge from our established specialty care centers to analyze system performance and institute appropriate policy changes for the prehospital patient.

Cathy Chidester
Director

This is the first year that we are able to map our data by Service Planning Areas (SPA). This is important to align with other County health programs.

Dr. Marianne Gausche-Hill
Medical Director

As we move into 2016, we are looking forward to being able to run timely and more detailed reports for our providers and the public to answer system questions and make policy decisions supported by data and science.

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SPECIAL POINTS OF INTEREST:

- **Driving Time Zones around Trauma, STEMI and Stroke Centers are in pages 10 & 11**
- **STEMI & ROSC information are in pages 12-15**
- **Stroke system information are in pages 16-17**
- **EMS Provider information are in pages 18-19**

2015 System Demographics

74 9-1-1 Receiving Hospitals

- 40 EDAP (Emergency Department Approved for Pediatrics)
- 8 Pediatric Medical Centers
- 6 Pediatric Trauma Centers
- 14 Trauma Centers
- 21 Paramedic Base Hospitals
- 35 STEMI Receiving Centers
- 39 Approved Stroke Centers
- 54 Perinatal Centers
- 40 Hospitals with Neonatal Intensive Care Unit
- 9 SART (Sexual Assault Response Team) Centers
- 13 Disaster Resource Centers

EMS Provider Agencies

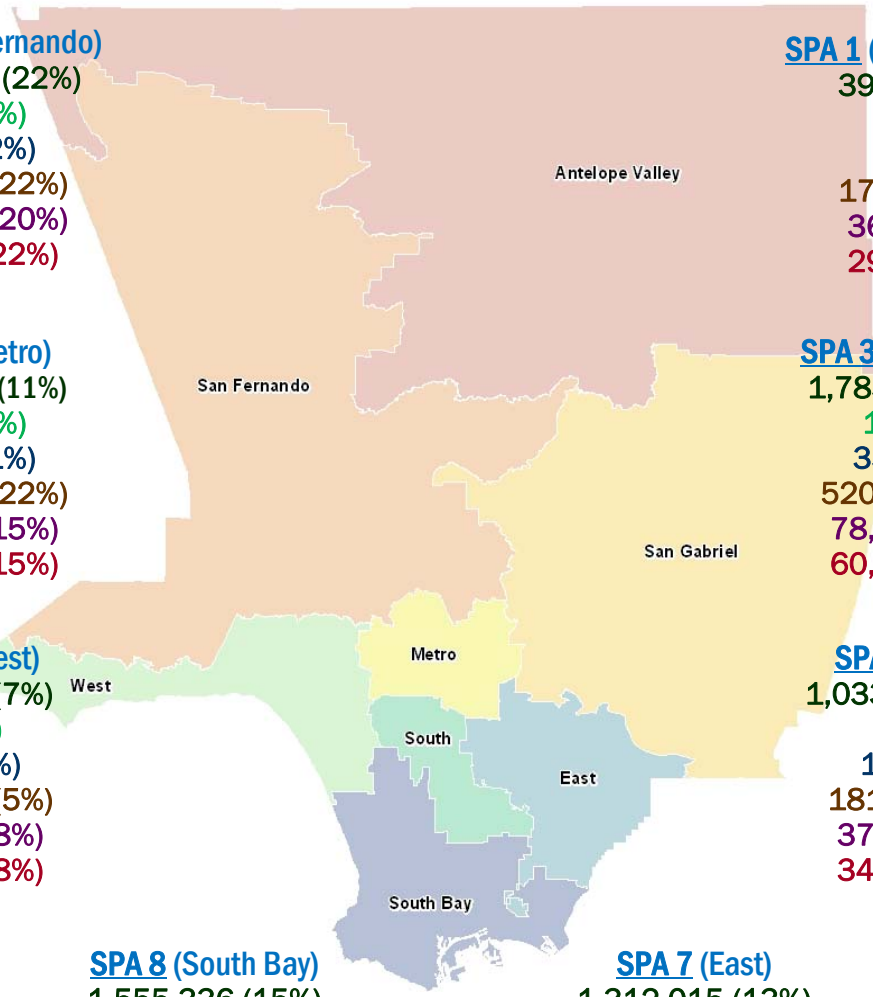
- 32 Public Safety EMS Provider Agency
- 36 Licensed Basic Life Support Ambulance Operators
- 18 Licensed Advanced Life Support Ambulance Operators
- 18 Licensed Critical Care Transport Ambulance Operators
- 8 Licensed Ambulette Operators

EMS Practitioners

- 3,925 Accredited Paramedics
- 7,721 Certified EMTs by LA Co EMS Agency
- 820 Certified Mobile Intensive Care Nurses

Service Planning Areas (SPA)

COUNTYWIDE (CY 2014)
Population: 10,069,036 (July 2014 estimate)
9-1-1 Receiving Hospitals: 73
Emergency Department Treatment Bays: 2,007
Emergency Department Visits: 3,432,027
9-1-1 EMS Responses: 532,559
9-1-1 EMS Transports: 444,689



SPA 2 (San Fernando)
2,190,397 (22%)
17 (23%)
443 (22%)
753,094 (22%)
107,588 (20%)
97,191 (22%)

SPA 1 (Antelope Valley)
392,730 (4%)
2 (3%)
81 (4%)
178,781 (5%)
36,736 (7%)
29,635 (7%)

SPA 4 (Metro)
1,149,688 (11%)
12 (16%)
411 (21%)
736,920 (22%)
77,699 (15%)
65,527 (15%)

SPA 3 (San Gabriel)
1,783,038 (18%)
14 (19%)
330 (16%)
520,694 (15%)
78,408 (15%)
60,408 (14%)

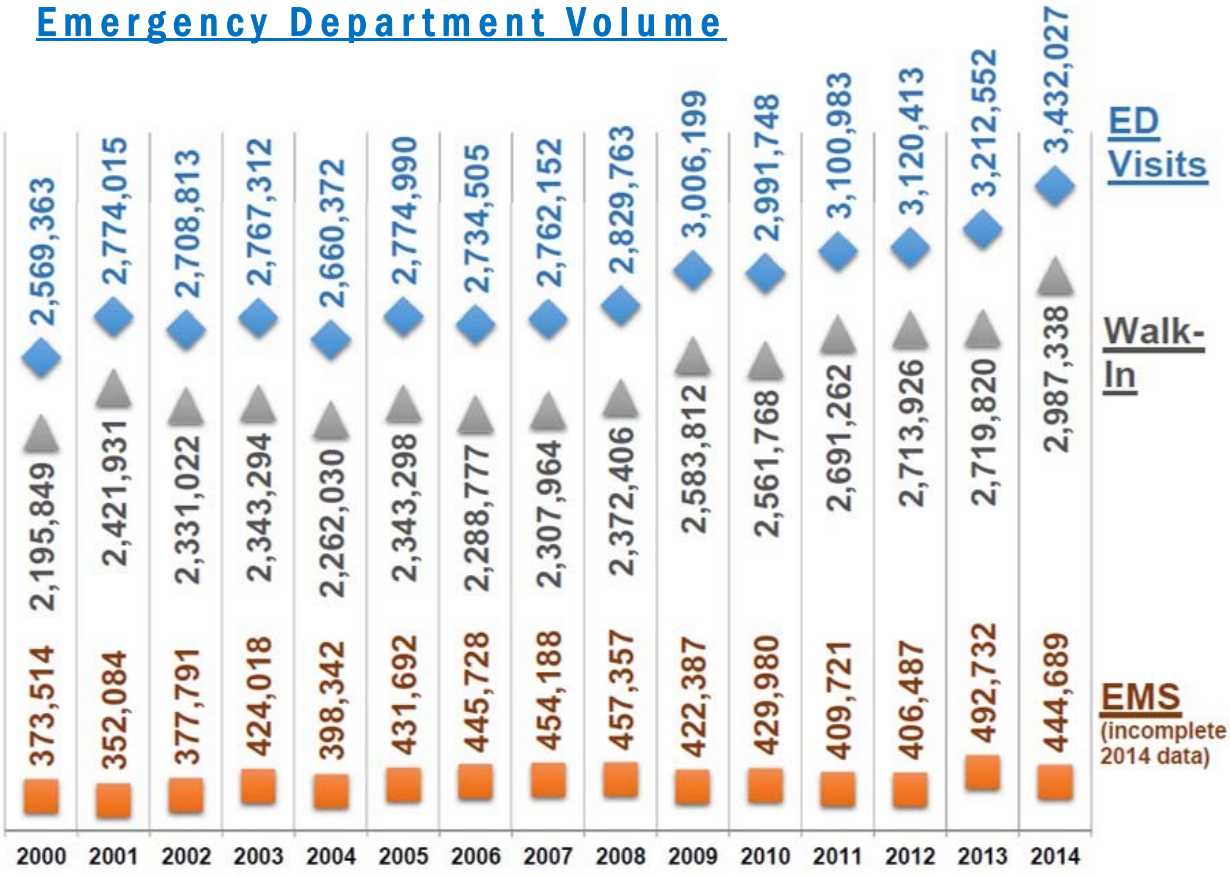
SPA 5 (West)
652,160 (7%)
5 (7%)
111 (6%)
171,337 (5%)
42,964 (8%)
38,060 (8%)

SPA 6 (South)
1,033,672 (10%)
3 (4%)
104 (5%)
181,750 (5%)
37,349 (7%)
34,056 (8%)

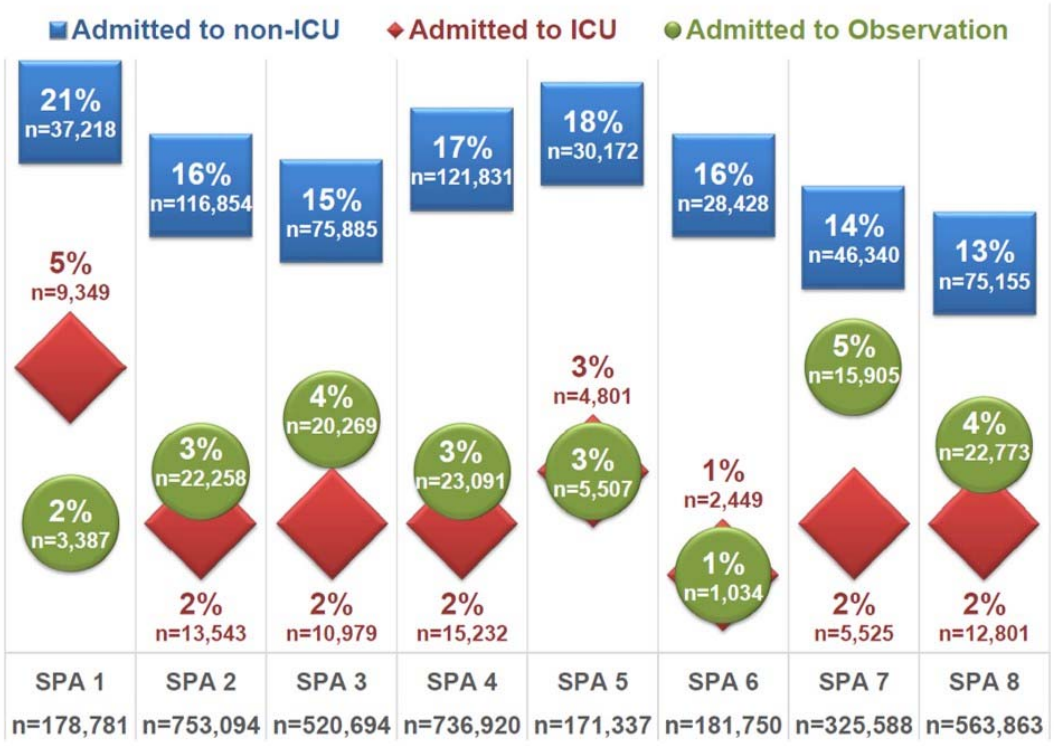
SPA 8 (South Bay)
1,555,336 (15%)
12 (17%)
323 (16%)
563,863 (16%)
100,872 (19%)
79,307 (18%)

SPA 7 (East)
1,312,015 (13%)
8 (11%)
199 (10%)
325,588 (10%)
50,943 (9%)
40,505 (9%)

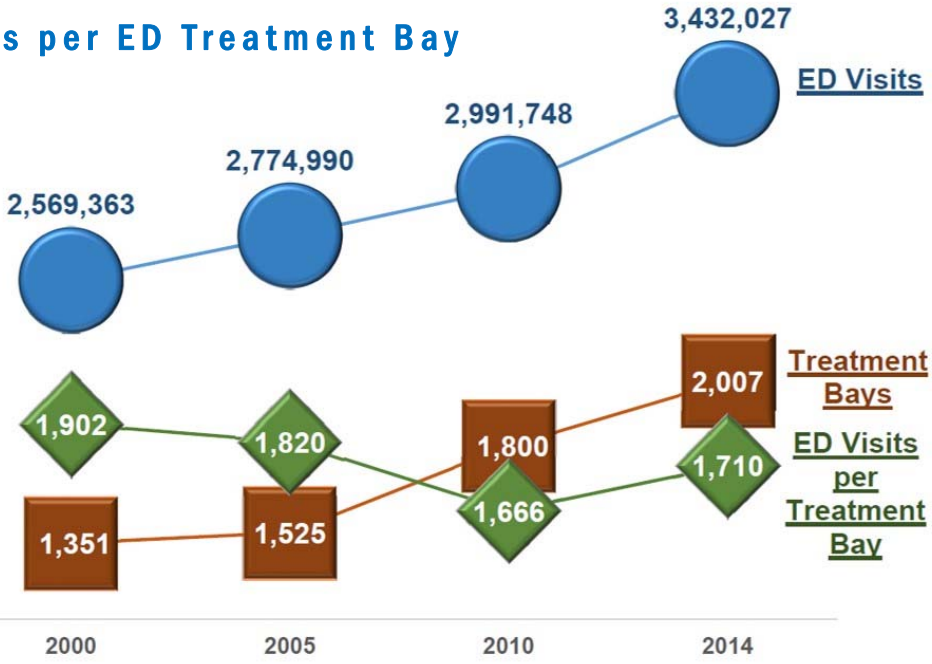
Emergency Department Volume



Patient Disposition From the Emergency Department

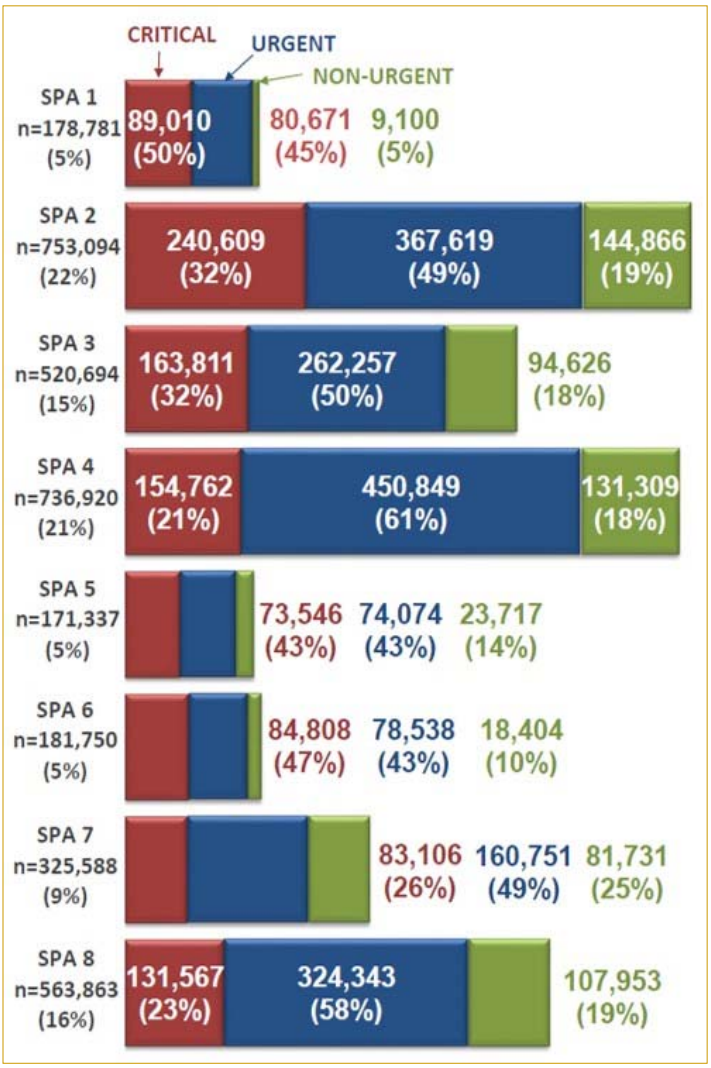


ED Visits per ED Treatment Bay



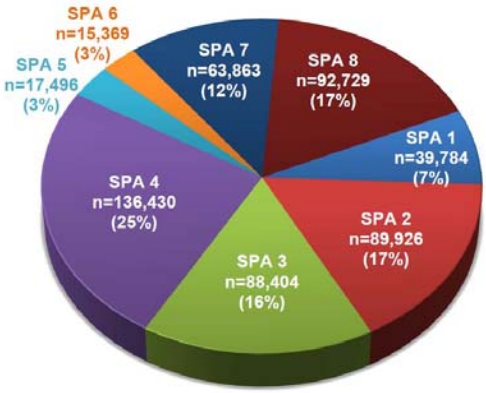
ED Patient Acuity

(CY 2014)



Pediatric ED Visits

n=544,001 (16%)



Trauma Center Volume

Revisions to the Trauma Center Criteria

Revised: PSI >18 inches unoccupied space made into a guideline

Added: infant SBP <70 mmHg, RR<10/>29 breaths/min (infant <20); pelvic fracture; extremity injury crushed, de-gloved or mangled; amputation proximal to wrist or ankle; fracture of ≥ 2 proximal long bones; PSI >18 inches unoccupied space; ejected from vehicle; pediatric fall >10 feet/3 times height of child; auto vs pedestrian/bicyclist/ motorcyclist thrown, run over or impact >20 mph; unenclosed transport crash with impact > 20 mph; penetrating injury to the head, neck, torso, and proximal extremities

Removed: Child SBP <60 mmHg; penetrating cranial injury; penetrating chest injury between midclavicular lines; gunshot wound to the trunk

Added: extremity injury with neurological or vascular compromise

Removed: abnormal capillary refill; no spontaneous eye opening

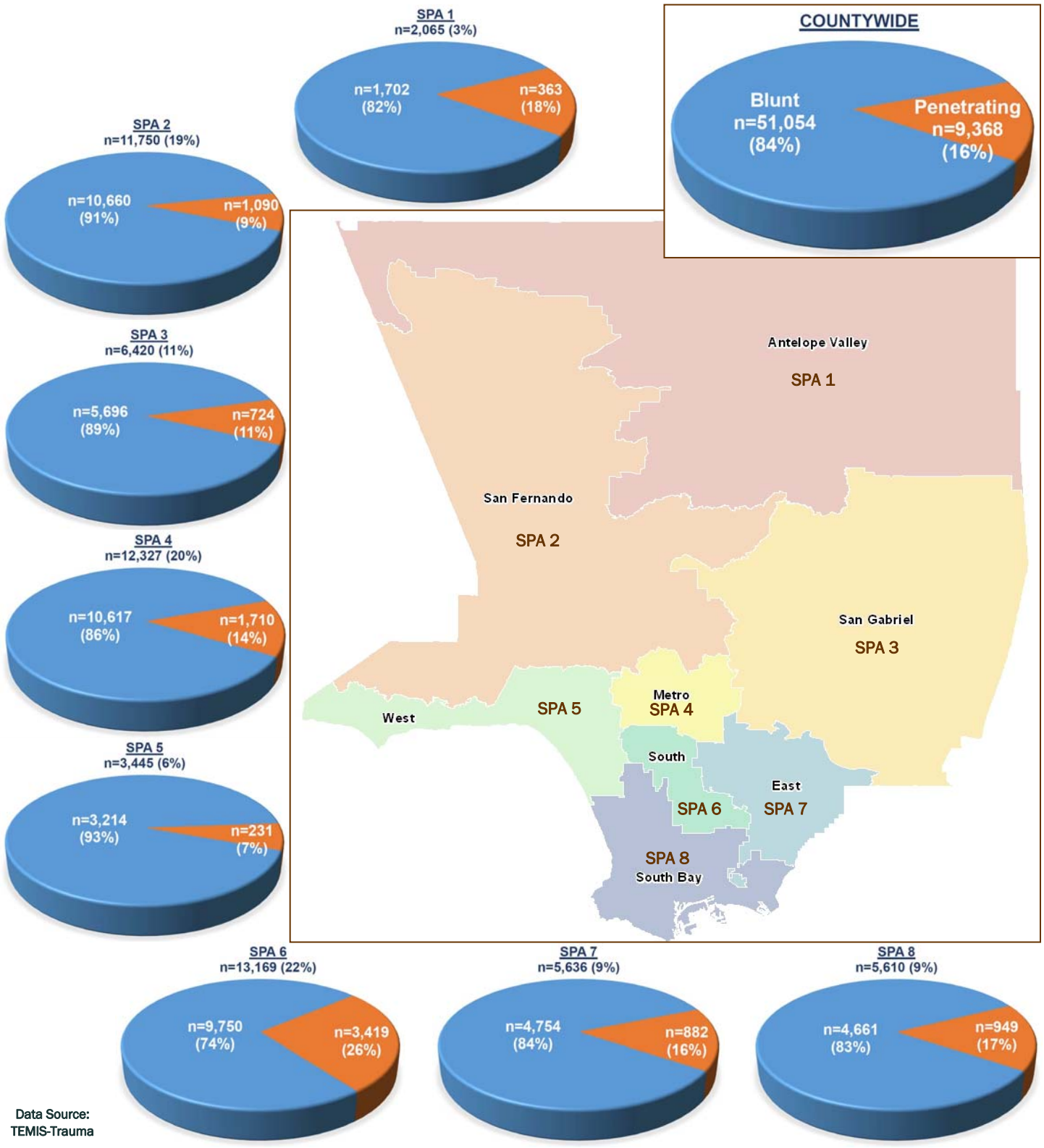
Helicopter EMS Transports

(CY 2014)

Helicopter EMS Provider	Los Angeles County Sheriff's Department	Los Angeles County Fire Department	Los Angeles City Fire Department
Antelope Valley	11	116	0
Angeles National Forest	0	68	0
San Fernando Valley	10	33	16
West San Gabriel Valley	31	8	0
East San Gabriel Valley	42	378	4
West County	1	138	12
Catalina/Avalon	0	21	0
Unspecified	18	0	1
Total Trauma Call	113	762	33
Canceled Helicopter EMS Trauma Calls (data collection and tracking started July 1, 2014)			
Basic Life Support Only	3	3	1
Ground Transport < 30 Minutes	1	5	
Patient Refused Transport	3		
In Custody	1		
Transport Not Required	1	1	
Total	8	9	1

Incidence of Blunt vs Penetrating Trauma by Service Planning Area (SPA)

CY 2012-2014: n=60,422 (patients aged 15 years and older)

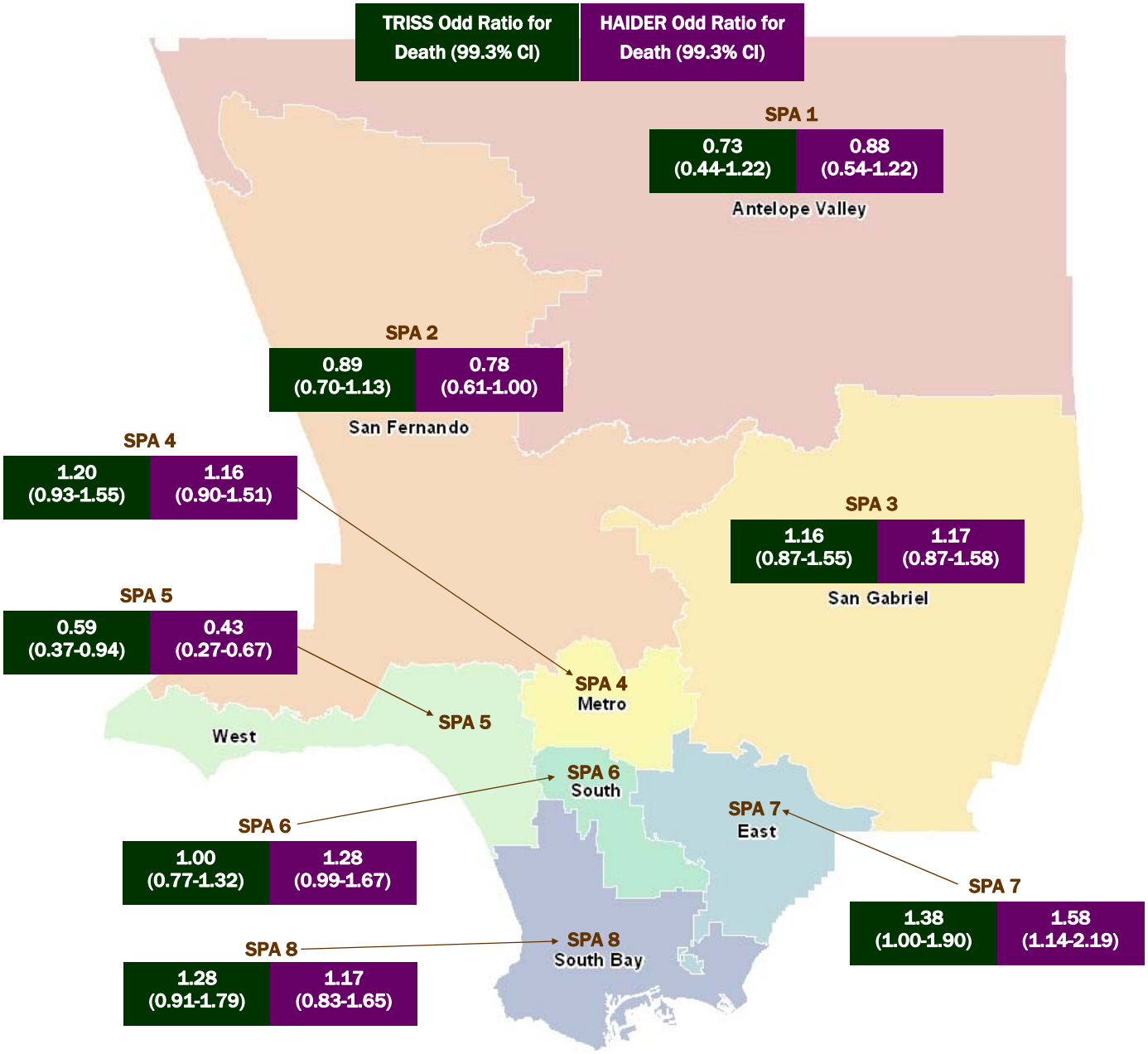


Data Source:
TEMIS-Trauma

Trauma Mortality

Adjusted for each Service Planning Area (SPA) with all other SPAs as reference

Overall mortality rate is 3.8% which is less than the current national average as reported by the American College of Surgeons. Using the TRISS model to calculate the percent of actual deaths compared to expected death, the Los Angeles County Trauma System scored 81.4% (95% CI 79.8-82.9%) indicating the system has almost 20% fewer deaths than expected.



TRISS (Trauma Score-Injury Severity Score) risk-adjusted model determines the probability of survival of a patient from the Injury Severity Score and the Revised Trauma Score.

Haider risk-adjusted model is based on analysis of 2009-10 National Trauma Data Bank (NTDB) which takes into consideration age, hypotension, pulse, Glasgow Coma Score, Injury Severity Score, and need for ventilator use.

Top 5 Trauma Mechanisms of Injury (All Ages)

SPA 1 — Antelope Valley

Age in Years	<1 yr	1-4 yrs	15-24 yrs	25-44 yrs	45-64 yrs	5-14 yrs	65/ >65 yrs	Unk	Total	%
Enclosed Vehicle	32	99	769	864	636	202	229	64	**2,895**	**39%**
Fall	15	87	110	212	471	99	939	19	**1,952**	**26%**
Assault	2	7	293	365	205	38	38	17	**965**	**13%**
Sports/Recreation		8	85	33	44	84	13	2	**269**	**4%**
Self Inflicted-Accident		9	41	63	43	22	26		**204**	**3%**
Grand Total	**62**	**249**	**1,563**	**1,911**	**1,678**	**508**	**1,364**	**129**	**7,492**	
% (age)	**1%**	**3%**	**21%**	**26%**	**22%**	**7%**	**18%**	**2%**		

SPA 2 — San Fernando Valley

Age in Years	<1 yr	1-4 yrs	5-14 yrs	15-24 yrs	25-44 yrs	45-64 yrs	65/ >65 yrs	Unk	Total	%
Fall	63	219	340	504	987	2,268	6,403	6	**10,790**	**51%**
Enclosed Vehicle	21	51	173	1,062	1,694	1,400	659	29	**5,089**	**24%**
Auto vs Ped/Bike	2	16	97	329	426	349	154		**1,373**	**7%**
Assault		2	25	295	573	403	60	2	**1,360**	**6%**
Self Inflicted-Accident			9	79	84	80	28		**280**	**1%**
Grand Total	**96**	**354**	**739**	**2,625**	**4,468**	**5,049**	**7,672**	**41**	**21,044**	
% (age)	**0.5%**	**2%**	**4%**	**12%**	**21%**	**24%**	**36%**	**0.2%**		

SPA 3 — San Gabriel Valley

Age in Years	<1 yr	1-4 yrs	15-24 yrs	25-44 yrs	45-64 yrs	5-14 yrs	65/ >65 yrs	Unk	Total	%
Fall	67	205	302	611	1,129	2,000	4,774	152	**9,240**	**47%**
Enclosed Vehicle	53	109	266	1,152	1,585	1,227	516	168	**5,076**	**26%**
Assault	2	7	38	416	704	408	83	52	**1,710**	**9%**
Sports/Recreation		11	191	215	109	59	16	9	**610**	**3%**
Auto vs Ped/Bike	1	6	38	116	130	125	72	2	**490**	**3%**
Grand Total	**132**	**406**	**977**	**3,054**	**4,451**	**4,326**	**5,754**	**436**	**19,536**	
% (age)	**1%**	**2%**	**5%**	**16%**	**23%**	**22%**	**29%**	**2%**		

SPA 4 — Metro Area

Age in Years	<1 yr	1-4 yrs	5-14 yrs	15-24 yrs	25-44 yrs	45-64 yrs	65/ >65 yrs	Unk	Total	%
Fall	62	222	221	414	969	1,506	1,941	1	5,336	**28%**
Enclosed Vehicle	23	49	91	569	1,071	661	215	2	2,681	**14%**
Auto vs Ped/Bike	6	39	173	526	752	432	152		2,080	**11%**
Assault	4	6	20	368	725	579	62		1,764	**9%**
Stabbing			1	92	175	76	14		358	**2%**
Grand Total	**134**	**422**	**656**	**3,094**	**6,404**	**5,467**	**2,970**	**5**	**19,152**	
% (age)	**1%**	**2%**	**3%**	**16%**	**33%**	**29%**	**16%**	**0.03%**		

Top 5 Trauma Mechanisms of Injury

(continuation)

SPA 5 West Area

Age in Years	<1 yr	1-4 yrs	5-14 yrs	15-24 yrs	25-44 yrs	45-64 yrs	65/ >65 yrs	Unk	Total	%
Fall	29	112	150	243	557	992	2,710	10	**4,803**	**38%**
Enclosed Vehicle	9	19	61	417	802	534	258	8	**2,108**	**17%**
Auto vs Ped/Bike		14	34	190	381	263	110		**992**	**8%**
Assault			10	154	297	205	35	2	**703**	**6%**
Sports/Recreation		8	72	125	145	90	23	3	**466**	**4%**
Grand Total	**48**	**227**	**455**	**1,789**	**3,434**	**3,108**	**3,582**	**39**	**12,682**	
% (age)	**0.4%**	**2%**	**4%**	**14%**	**27%**	**25%**	**28%**	**0.3%**		

SPA 6 South Area

Age in Years	<1 yr	1-4 yrs	5-14 yrs	15-24 yrs	25-44 yrs	45-64 yrs	65/ >65 yrs	Unk	Total	%
Fall	30	94	94	172	400	758	551	6	**2,105**	**24%**
Enclosed Vehicle	10	42	81	442	557	391	120	8	**1,651**	**19%**
Assault	2	3	26	260	457	293	23	7	**1,071**	**12%**
Auto vs Ped/Bike	1	3	22	165	250	208	44	3	**696**	**8%**
Gun shot			2	163	184	48	9	1	**407**	**5%**
Grand Total	**51**	**231**	**380**	**1,809**	**2,783**	**2,474**	**912**	**41**	**8,681**	
% (age)	**1%**	**3%**	**4%**	**21%**	**32%**	**28%**	**11%**	**0.5%**		

SPA 7 East Area

Age in Years	<1 yr	1-4 yrs	5-14 ys	15-24 yrs	25-44 yrs	45-64 yrs	65/ >65 yrs	Unk	Total	%
Enclosed Vehicle	36	116	238	1,026	1,324	923	366	150	4,179	**30%**
Fall	38	122	165	168	370	854	1,755	98	3,570	**26%**
Assault	3	4	32	296	455	230	44	41	1,105	**8%**
Auto vs Ped/Bike		8	62	142	150	117	42	3	524	**4%**
Sports/Recreation		5	115	113	49	21	4	5	312	**2%**
Grand Total	**115**	**370**	**777**	**2,389**	**3,414**	**3,263**	**3,284**	**377**	**13,989**	
% (age)	**1%**	**3%**	**6%**	**17%**	**24%**	**23%**	**23%**	**3%**		

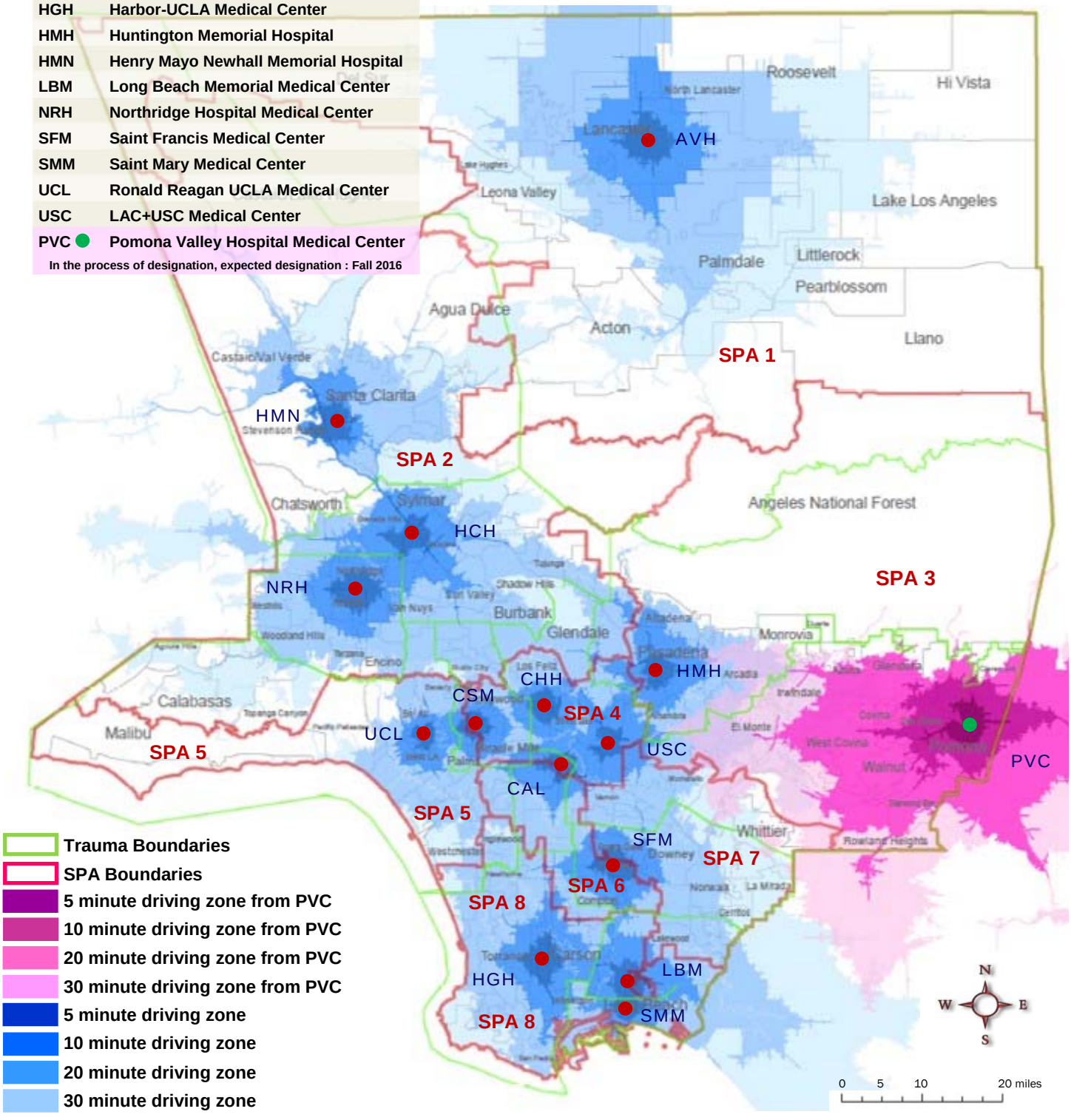
SPA 8 South Bay

Age in Years	<1 yr	1-4 yrs	5-14 yrs	15-24 yrs	25-44 yrs	45-64 yrs	65/ >65 yrs	Unk	Total	%
Fall	84	303	401	464	953	2,198	4,281	45	8,729	**34%**
Enclosed Vehicle	46	128	309	1,174	1,882	1,468	636	79	5,722	**22%**
Assault	6	11	80	600	1,067	723	111	20	2,618	**10%**
Auto vs Ped/Bike	4	24	158	347	398	352	125	5	1,413	**6%**
Sports/Recreation		17	236	287	241	141	48	5	975	**4%**
Grand Total	**174**	**648**	**1,528**	**4,002**	**6,454**	**6,485**	**5,955**	**202**	**25,448**	
% (age)	**1%**	**3%**	**6%**	**16%**	**25%**	**25%**	**23%**	**1%**		

CODE	TRAUMA CENTER
AVH	Antelope Valley Medical Center
CAL	California Hospital Medical Center
CHH	Children's Hospital of Los Angeles
CSM	Cedars Sinai Medical Center
HCH	Providence Holy Cross Medical Center
HGH	Harbor-UCLA Medical Center
HMH	Huntington Memorial Hospital
HMN	Henry Mayo Newhall Memorial Hospital
LBM	Long Beach Memorial Medical Center
NRH	Northridge Hospital Medical Center
SFM	Saint Francis Medical Center
SMM	Saint Mary Medical Center
UCL	Ronald Reagan UCLA Medical Center
USC	LAC+USC Medical Center
PVC	Pomona Valley Hospital Medical Center

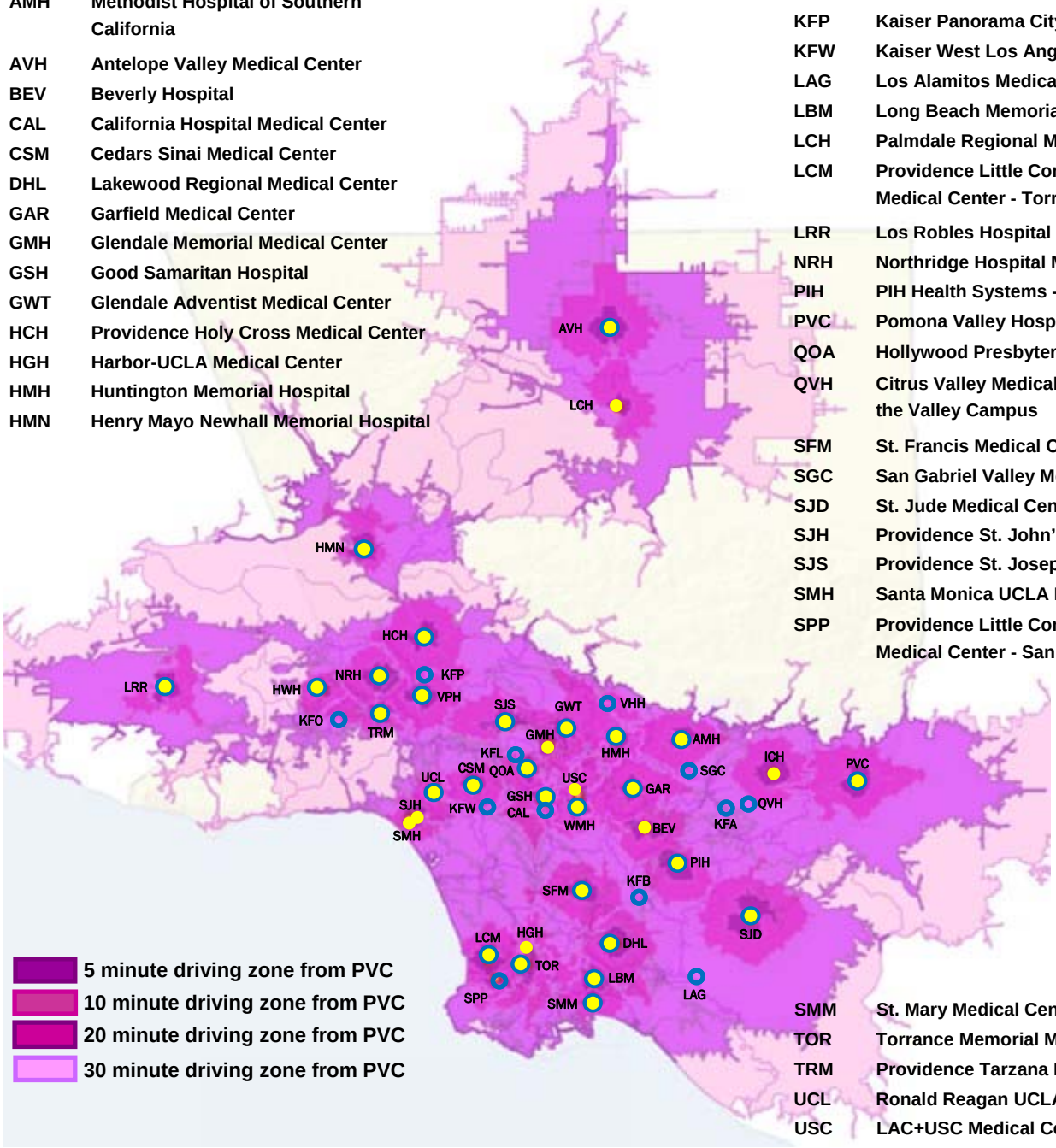
In the process of designation, expected designation : Fall 2016

Driving Time Zones around Trauma Centers



Driving Time Zones around STEMI Receiving Centers (SRC) and Approved Stroke Centers (ASC)

CODE	SRC ● / ASC ◎
AMH	Methodist Hospital of Southern California
AVH	Antelope Valley Medical Center
BEV	Beverly Hospital
CAL	California Hospital Medical Center
CSM	Cedars Sinai Medical Center
DHL	Lakewood Regional Medical Center
GAR	Garfield Medical Center
GMH	Glendale Memorial Medical Center
GSH	Good Samaritan Hospital
GWT	Glendale Adventist Medical Center
HCH	Providence Holy Cross Medical Center
HGH	Harbor-UCLA Medical Center
HMH	Huntington Memorial Hospital
HMN	Henry Mayo Newhall Memorial Hospital

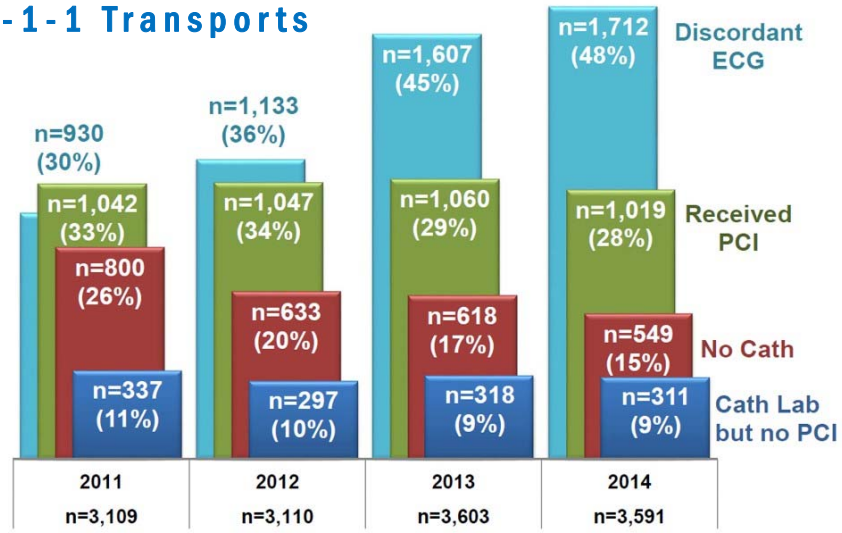


Data Source: SRC Database, GWTG & LA Stroke

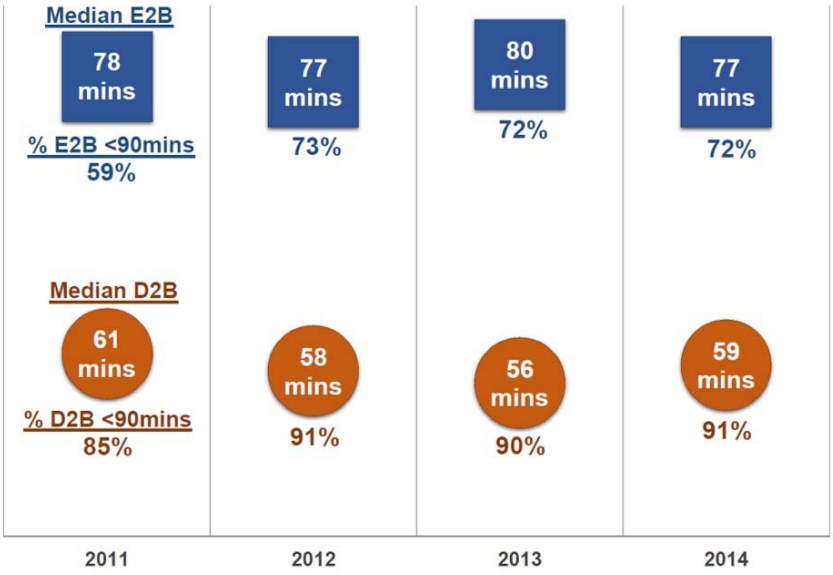
HWH	West Hills Hospital and Medical Center
ICH	Citrus Valley Medical Center - Intercommunity Campus
KFA	Kaiser Baldwin Park
KFB	Kaiser Downey
KFL	Kaiser Los Angeles
KFO	Kaiser Woodland Hills
KFP	Kaiser Panorama City
KFW	Kaiser West Los Angeles
LAG	Los Alamitos Medical Center
LBM	Long Beach Memorial Hospital
LCH	Palmdale Regional Medical Center
LCM	Providence Little Company of Mary Medical Center - Torrance
LRR	Los Robles Hospital and Medical Center
NRH	Northridge Hospital Medical Center
PIH	PIH Health Systems - Whittier
PVC	Pomona Valley Hospital Medical Center
QOA	Hollywood Presbyterian Medical Center
QVH	Citrus Valley Medical Center - Queen of the Valley Campus
SFM	St. Francis Medical Center
SGC	San Gabriel Valley Medical Center
SJD	St. Jude Medical Center
SJH	Providence St. John's Health Center
SJS	Providence St. Joseph Medical Center
SMH	Santa Monica UCLA Medical Center
SPP	Providence Little Company of Mary Medical Center - San Pedro
SMM	St. Mary Medical Center
TOR	Torrance Memorial Medical Center
TRM	Providence Tarzana Medical Center
UCL	Ronald Reagan UCLA Medical Center
USC	LAC+USC Medical Center
VPH	Valley Presbyterian Hospital
VHH	USC Verdugo Hills Hospital
WMH	White Memorial Medical Center

ST-Elevation Myocardial Infarction (STEMI)

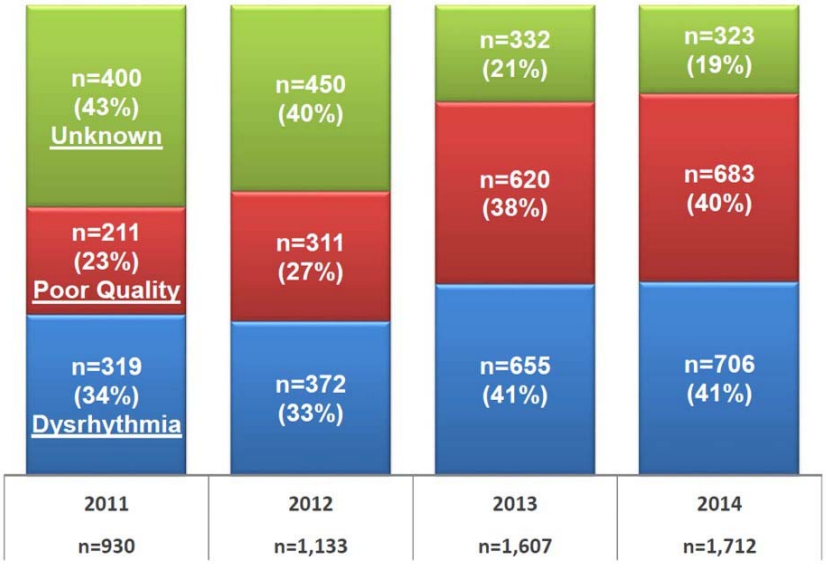
9-1-1 Transports



Median Times

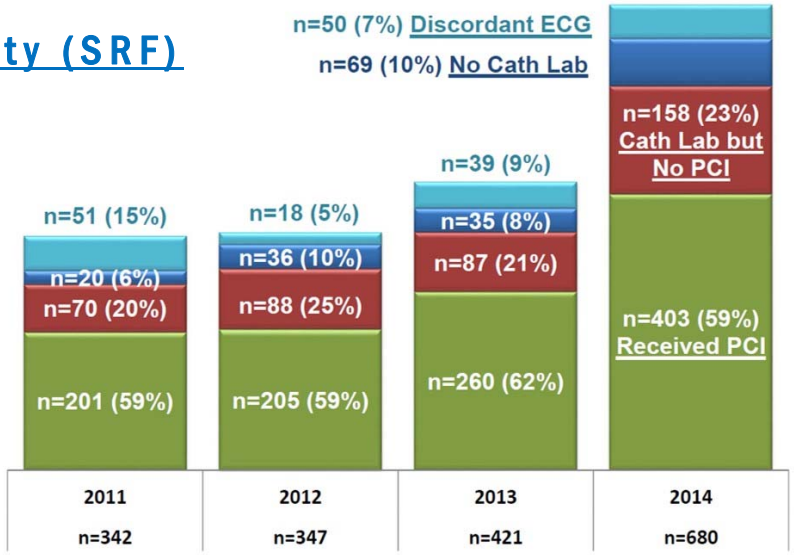


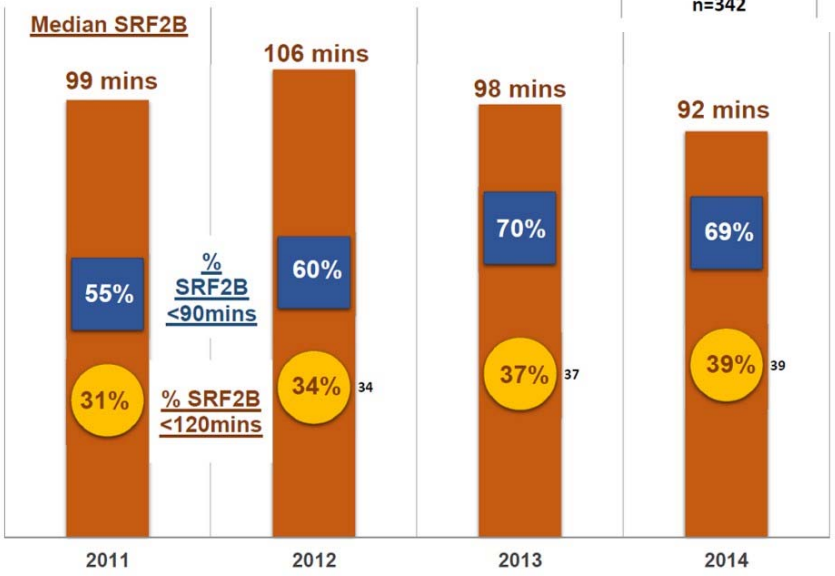
Rationale for Discordant ECG



Data Source: LA SRC Database

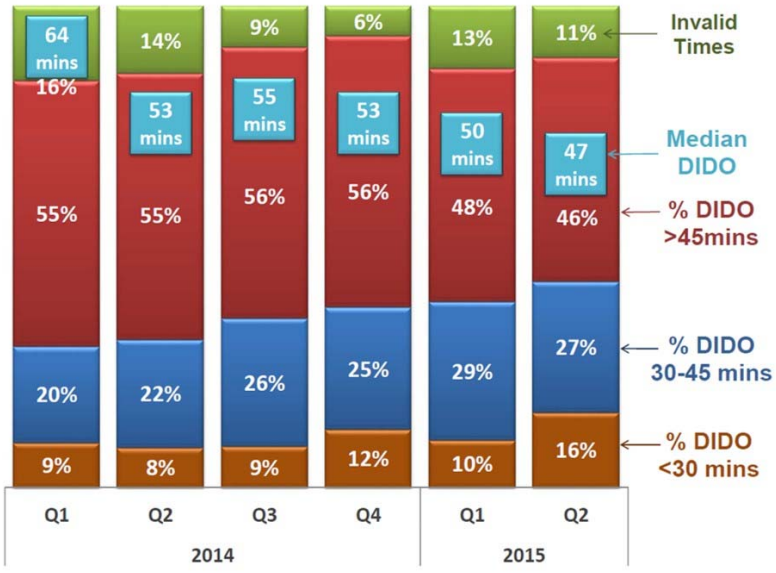
STEMI Referral Facility (SRF) Transfers





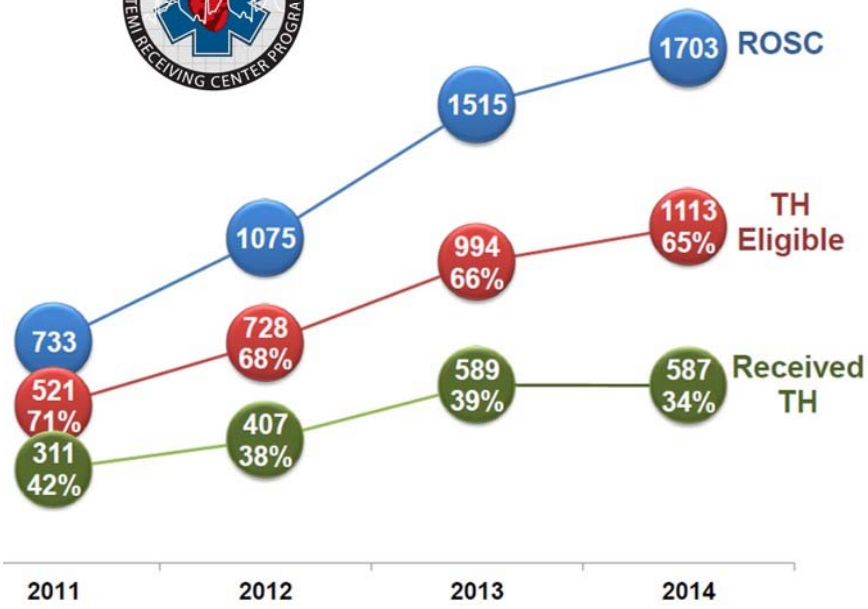
SRF Door to Balloon

Door In–Door Out (DIDO)

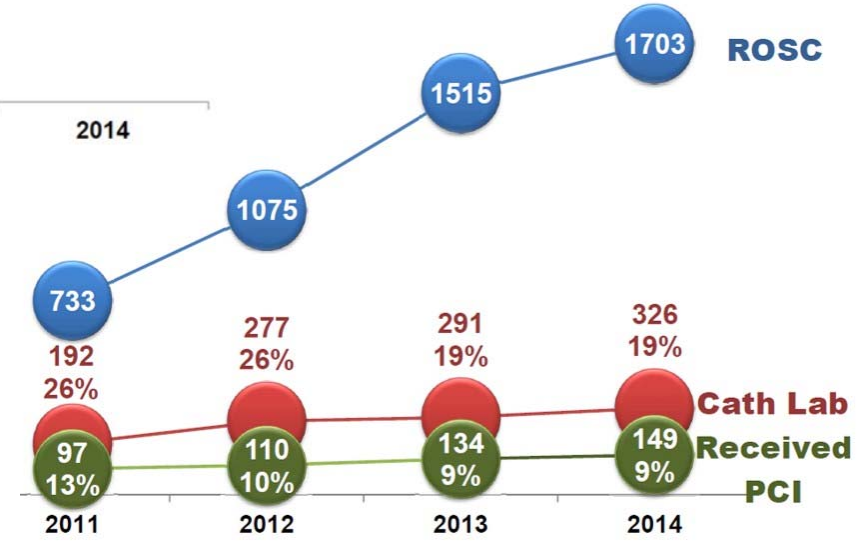


Return of Spontaneous Circulation (ROSC)

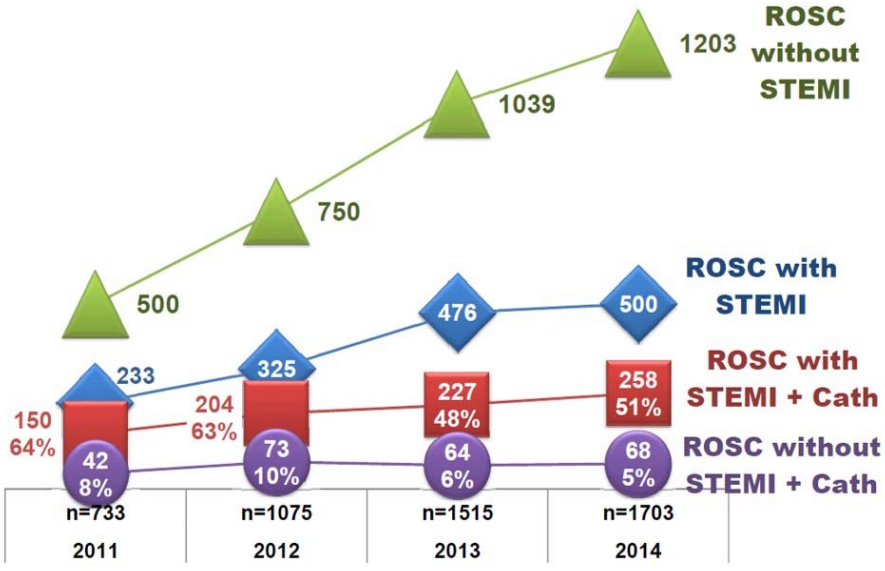
Frequency of Therapeutic Hypothermia (TH)



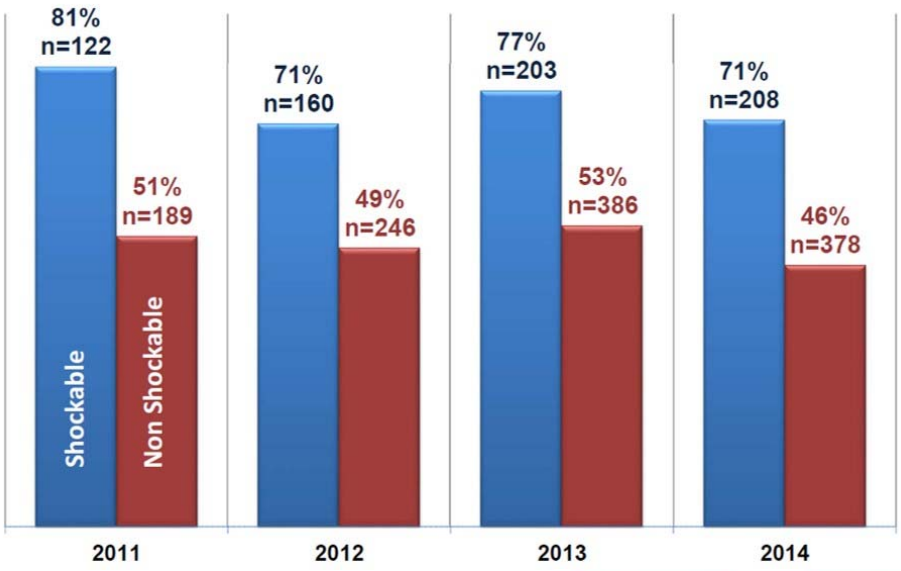
Frequency of Cath Lab and Percutaneous Coronary Intervention (PCI)



Frequency of Immediate Catheterization

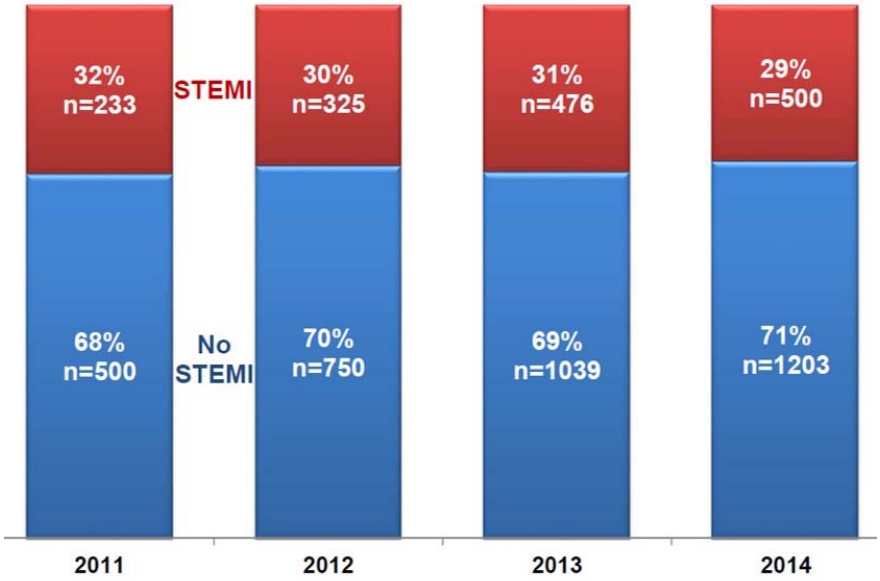


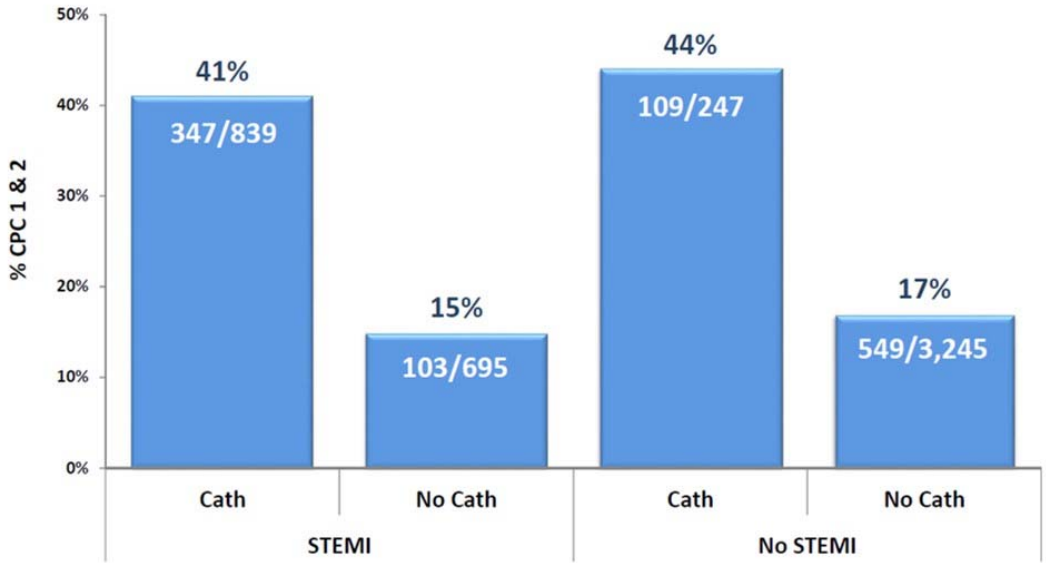
Data Source: LA SRC Database



Frequency of Therapeutic Hypothermia by Rhythm

ROSC: STEMI vs NO STEMI

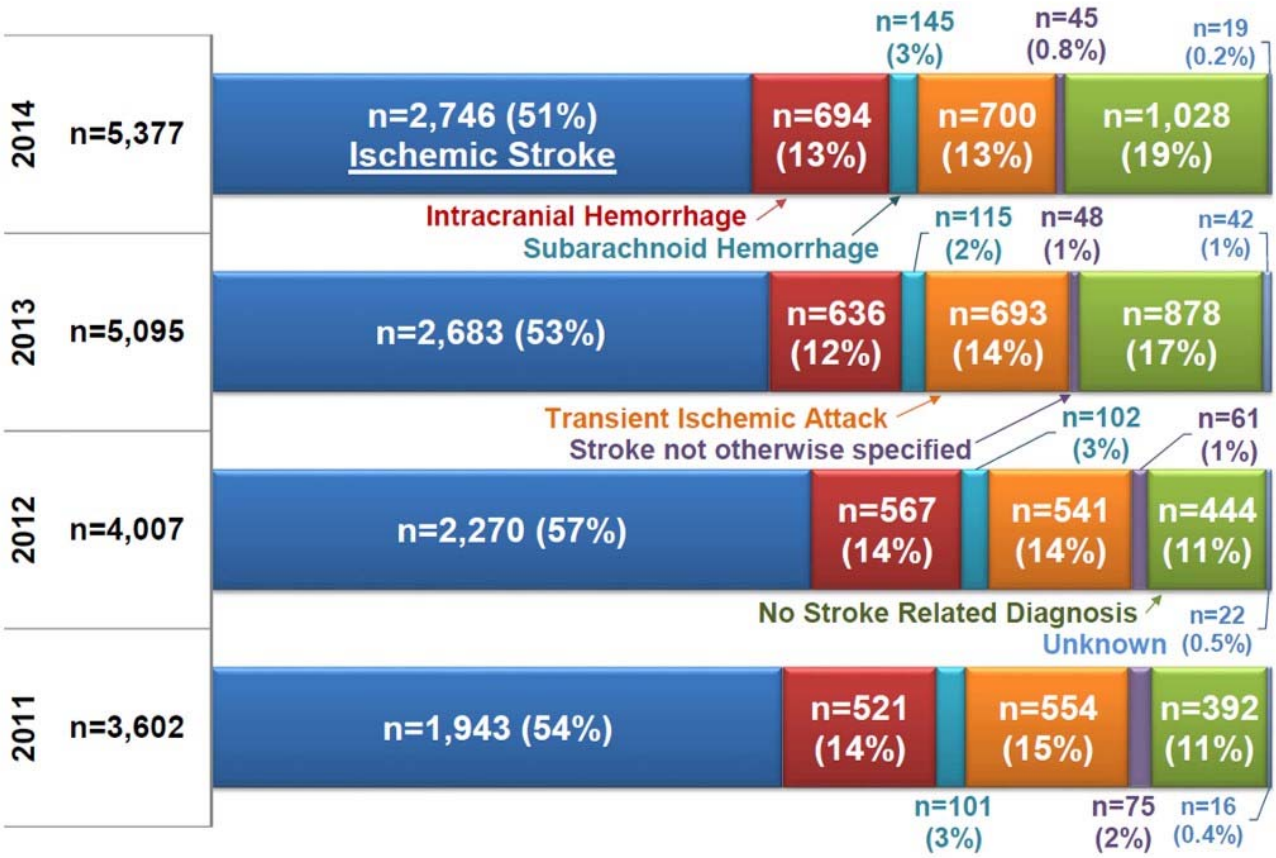


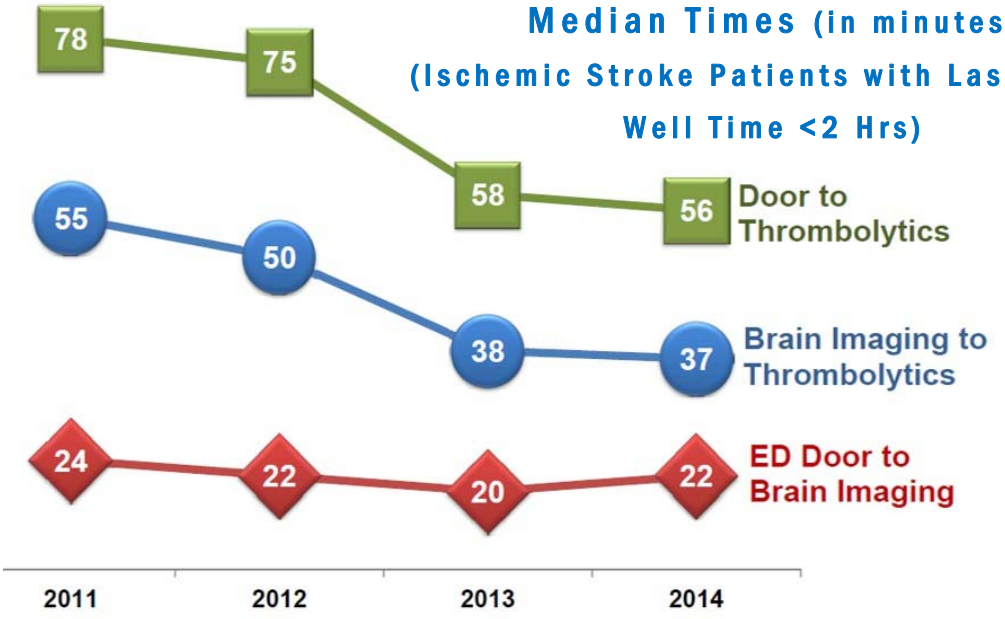


Cerebral Performance Categories (CPC) 2011-2014

Approved Stroke Center Patients

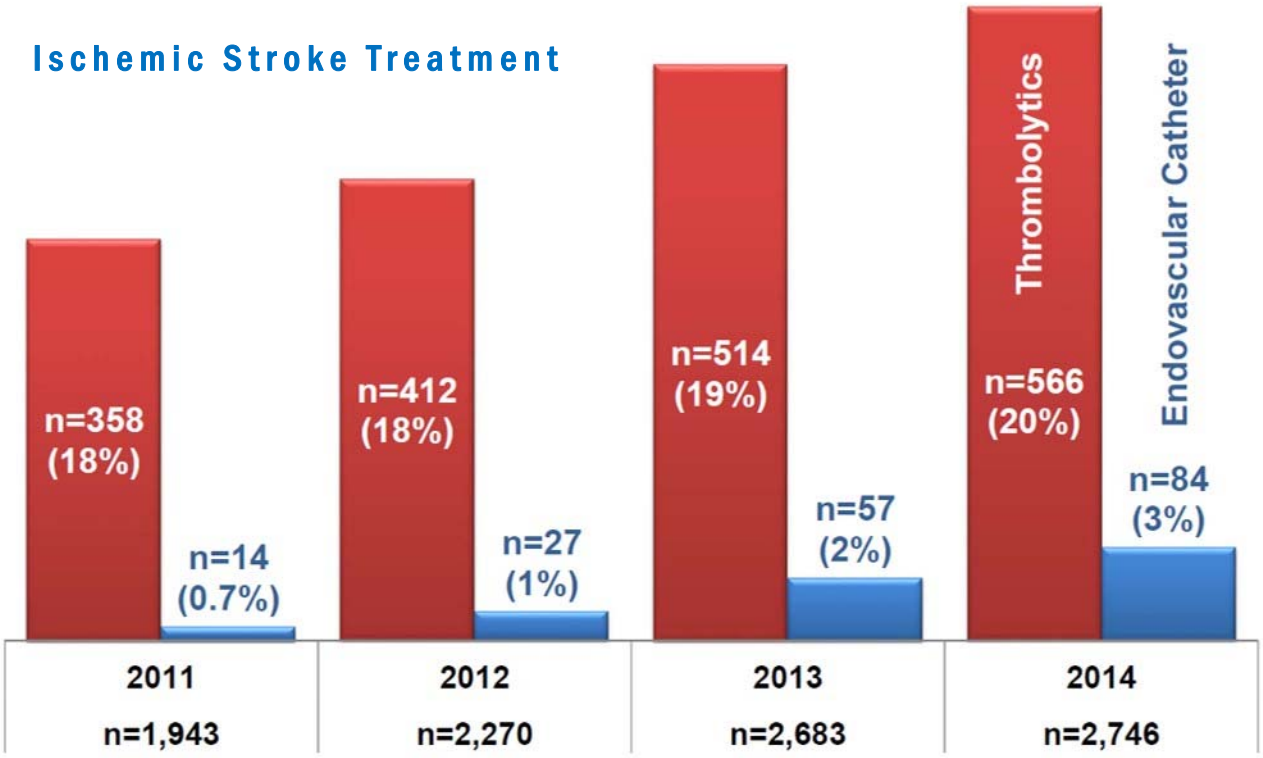
Final Diagnosis of 9-1-1 Transports





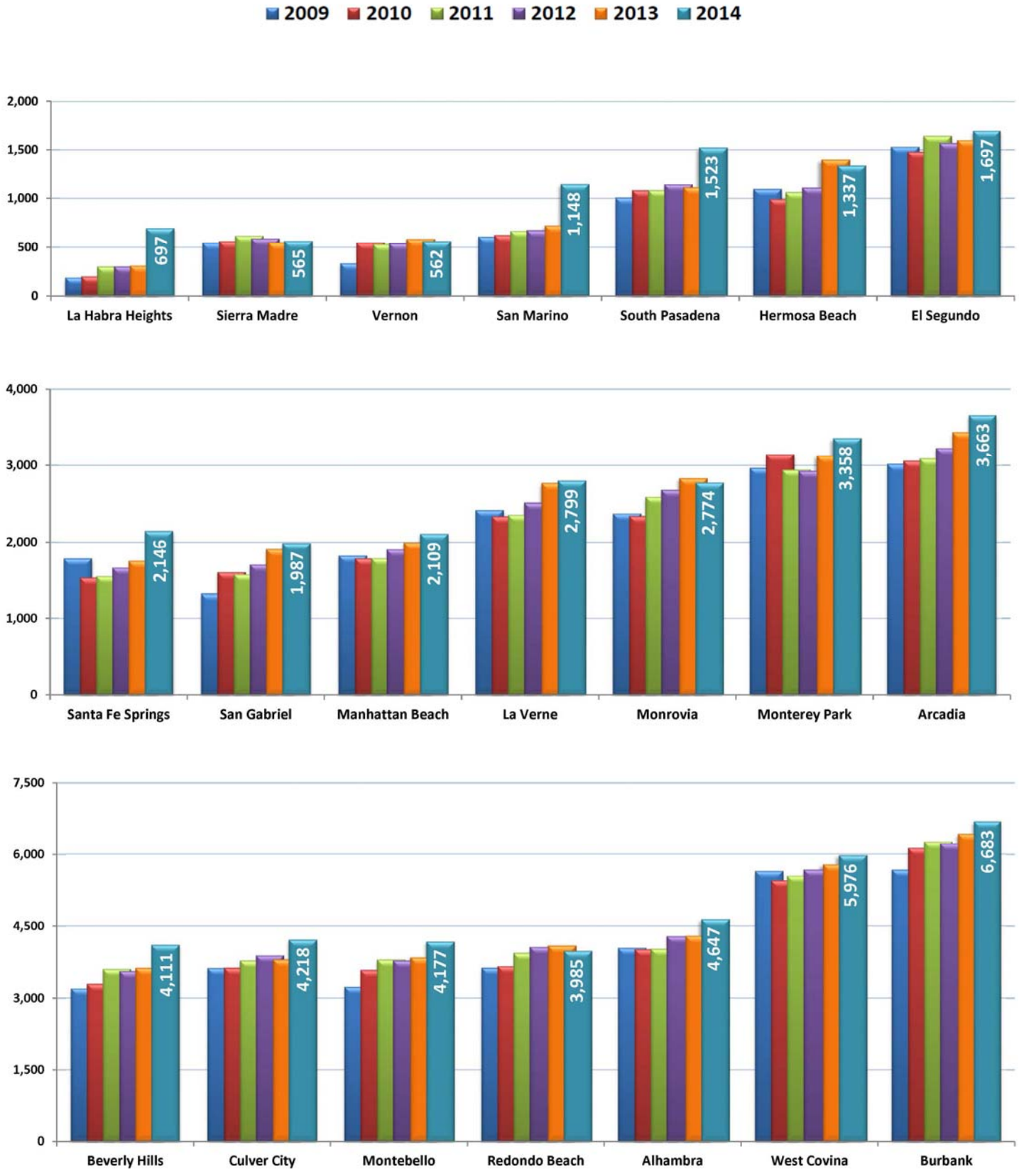
Data Source: GWTG & LA Stroke

Ischemic Stroke Treatment

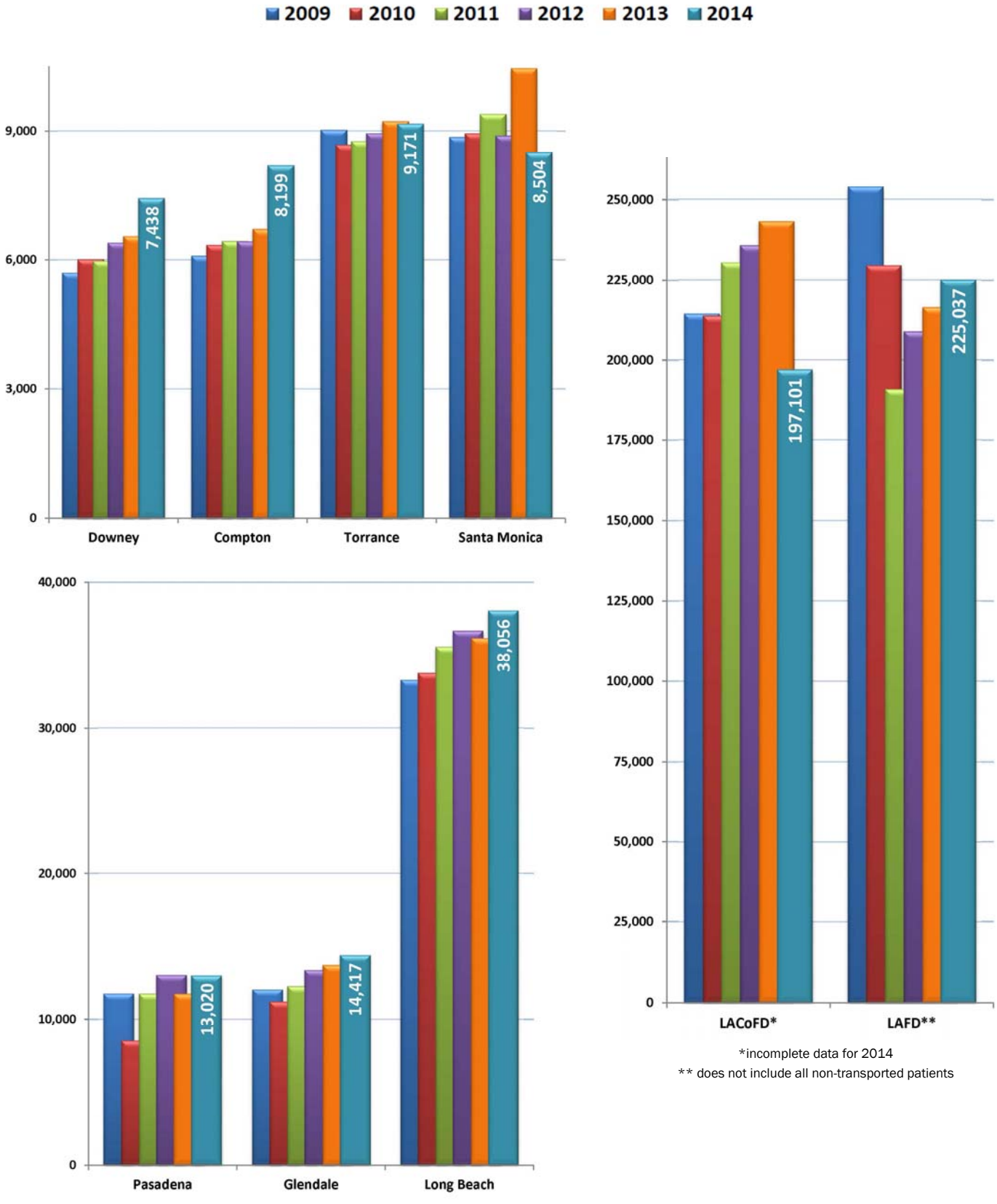


Ischemic Stroke Patients with Last Known Well Time <2 Hours

EMS Responses by 9-1-1 Jurisdictional Provider Agency



EMS Responses by 9-1-1 Jurisdictional Provider Agency



*incomplete data for 2014

** does not include all non-transported patients

Top 5 EMS Chief Complaints (All Ages)

SPA 1 — Antelope Valley

Age in Years	<1 yr	1-4 yrs	5-14 yrs	15-24 yrs	25-44 yrs	45-64 yrs	65/ >65 yrs	Unk	Total	%
Traumatic Injury	62	249	536	1,563	1,911	1,678	1,364	129	7,492	20%
No Complaints	30	100	102	363	643	772	845	112	2,967	8%
Behavioral	1	3	117	566	871	718	234	28	2,538	7%
Abdominal Pain		7	48	360	738	657	437	20	2,267	6%
Altered LOC	4	19	20	114	300	623	1,010	26	2,116	6%
Grand Total	**410**	**930**	**1,476**	**4,763**	**8,358**	**10,430**	**9,898**	**471**	**36,736**	
% (age)	1%	3%	4%	13%	23%	28%	27%	1%		

SPA 2 — San Fernando Valley

Age in Years	<1 yr	1-4 yrs	5-14 yrs	15-24 yrs	25-44 yrs	45-64 yrs	65/ >65 yrs	Unk	Total	%
Traumatic Injury	96	354	739	2,625	4,468	5,049	7,672	41	21,044	20%
Altered LOC	23	44	65	657	1,624	2,474	4,462	6	9,355	9%
Weak	12	18	41	229	705	1,836	4,544	2	7,387	7%
Chest Pain	3	3	27	159	941	2,763	3,137		7,033	7%
Abdominal Pain	3	14	92	695	1,839	2,356	2,018	2	7,019	7%
Grand Total	**592**	**1,519**	**2,130**	**9,145**	**20,692**	**30,092**	**42,524**	**894**	**107,588**	
% (age)	1%	1%	2%	9%	19%	28%	40%	1%		

SPA 3 — San Gabriel Valley

Age in Years	<1 yr	1-4 yrs	5-14 yrs	15-24 yrs	25-44 yrs	45-64 yrs	65/ >65 yrs	Unk	Total	%
Traumatic Injury	132	406	977	3,054	4,451	4,326	5,754	436	19,536	25%
Altered LOC	11	41	54	294	805	1,384	2,915	71	5,575	7%
No Complaint	71	113	154	556	962	1,265	1,814	473	5,408	7%
Behavioral	5	5	144	903	1,832	1,336	527	125	4,877	6%
Weak	2	5	38	156	356	909	2,525	23	4,014	5%
Grand Total	**573**	**1,406**	**2,391**	**7,952**	**15,074**	**19,867**	**28,434**	**2,710**	**78,407**	
% (age)	1%	2%	3%	10%	19%	25%	36%	3%		

SPA 4 — Metro Area

Age in Years	<1 yr	1-4 yrs	5-14 yrs	15-24 yrs	25-44 yrs	45-64 yrs	65/ >65 yrs	Unk	Total	%
Traumatic Injuries	134	422	656	3,094	6,404	5,467	2,970	5	19,152	25%
Altered LOC	31	45	60	691	1,962	2,588	2,377		7,754	10%
Abdominal Pain	6	18	97	818	1,981	2,072	1,024		6,016	8%
Chest Pain	1	2	38	204	1,193	2,634	1,592		5,664	7%
Shortness of Breath	78	103	176	235	598	1,639	2,097		4,926	6%
Grand Total	**885**	**1,603**	**1,679**	**8,147**	**20,784**	**25,440**	**19,129**	**32**	**77,699**	
% (age)	1%	2%	2%	10%	27%	33%	25%	0%		

Top 5 EMS Chief Complaints

(continuation)

SPA 5 West Area

Age in Years	<1 yr	1-4 yrs	5-14 yrs	15-24 yrs	25-44 yrs	45-64 yrs	65/ >65 yrs	Unk	Total	%
Traumatic Injury	48	227	455	1,789	3,434	3,108	3,582	39	12,682	30%
Altered LOC	9	30	22	359	643	786	1,334	22	3,205	7%
Weak	3	2	23	104	250	682	1,609	3	2,676	6%
Abdominal Pain		13	38	271	759	807	710	1	2,599	6%
Chest Pain			18	101	362	894	1,181	1	2,557	6%
Grand Total	**257**	**676**	**991**	**4,169**	**9,232**	**11,377**	**15,858**	**404**	**42,964**	
% (age)	**1%**	**2%**	**2%**	**10%**	**21%**	**26%**	**37%**	**1%**		

SPA 6 South Area

Age in Years	<1 yr	1-4 yrs	5-14 yrs	15-24 yrs	25-44 yrs	45-64 yrs	65/ >65 yrs	Unk	Total	%
Traumatic Injuries	51	231	380	1,809	2,783	2,474	912	41	8,681	23%
Abdominal Pain	3	10	56	711	1,361	1,124	494	10	3,769	10%
Altered LOC	4	54	32	345	786	1,097	895	14	3,227	9%
Shortness of Breath	16	47	76	114	246	1,061	848	6	2,414	6%
Chest Pain			14	79	477	1,132	508		2,210	6%
Grand Total	**323**	**827**	**988**	**5,087**	**10,088**	**12,428**	**7,422**	**186**	**37,349**	
% (age)	**1%**	**2%**	**3%**	**14%**	**27%**	**33%**	**20%**	**0%**		

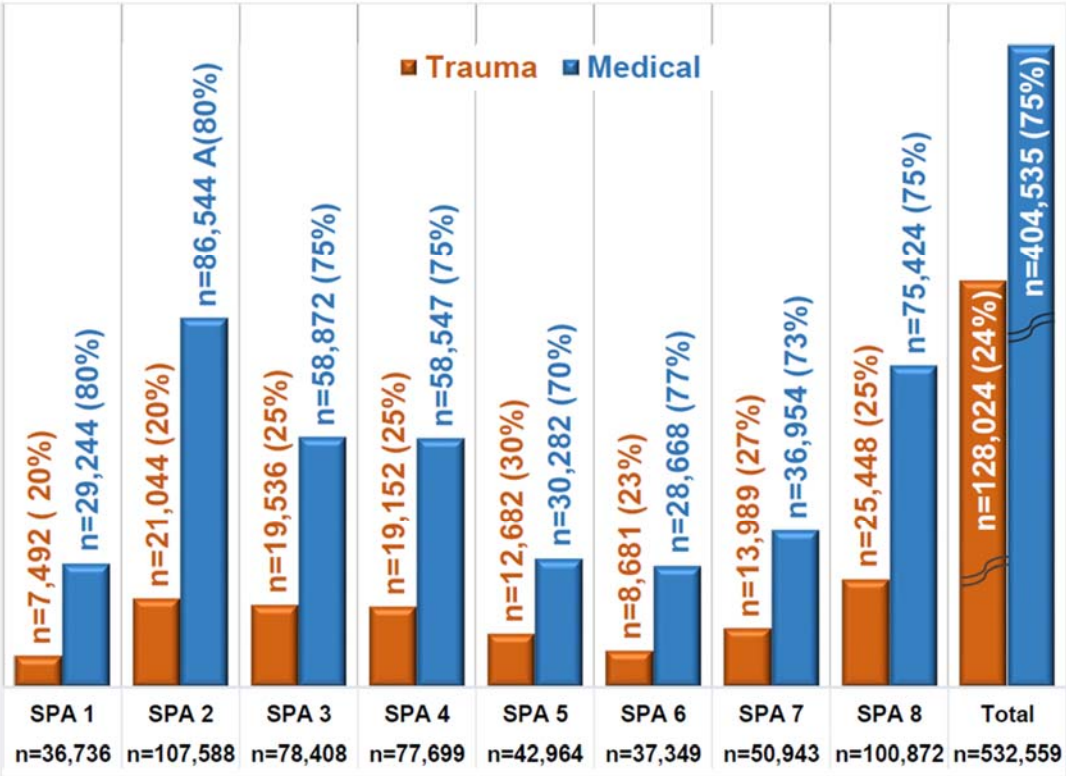
SPA 7 East Area

Age in Years	<1 yr	1-4 yrs	5-14 ys	15-24 yrs	25-44 yrs	45-64 yrs	65/ >65 yrs	Unk	Total	%
Traumatic Injuries	115	370	777	2,389	3,414	3,263	3,284	377	13,989	27%
No Complaints	61	136	153	464	866	902	1,005	312	3,899	8%
Altered LOC	13	24	30	248	598	1,028	1,667	70	3,678	7%
Behavioral	3	5	123	760	1,406	896	316	88	3,597	7%
Abdominal Pain	1	12	67	339	913	794	671	80	2,877	6%
Grand Total	**546**	**1,243**	**1,898**	**6,047**	**11,124**	**13,227**	**14,840**	**2,017**	**50,942**	
% (age)	**1%**	**2%**	**4%**	**12%**	**22%**	**26%**	**29%**	**4%**		

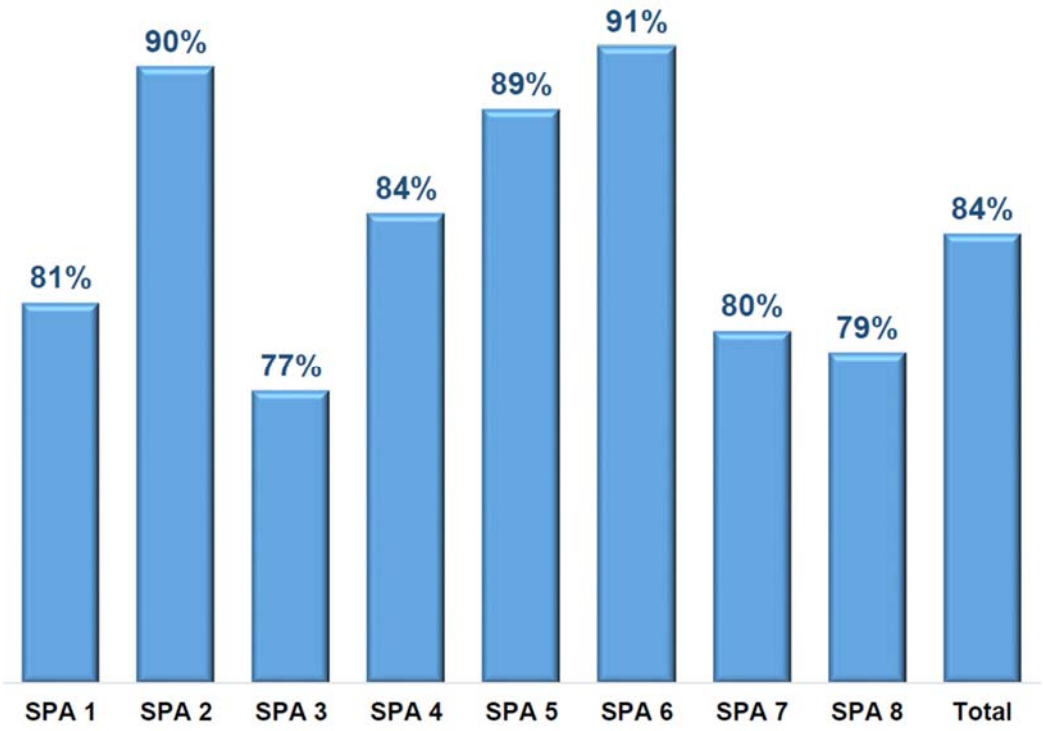
SPA 8 South Bay

Age in Years	<1 yr	1-4 yrs	5-14 yrs	15-24 yrs	25-44 yrs	45-64 yrs	65/ >65 yrs	Unk	Total	%
Traumatic Injuries	174	648	1,528	4,002	6,454	6,485	5,955	202	25,448	25%
Altered LOC	23	87	73	540	1,575	2,350	3,012	68	7,728	8%
Abdominal Pain	5	20	131	784	1,910	1,842	1,382	44	6,118	6%
Behavioral	2	6	183	1,039	2,338	1,824	638	58	6,088	6%
Weak	7	15	42	209	670	1,591	2,903	11	5,448	5%
Grand Total	**926**	**2,261**	**3,267**	**10,358**	**22,601**	**29,921**	**30,306**	**1,231**	**100,871**	
% (age)	**1%**	**2%**	**3%**	**10%**	**22%**	**30%**	**30%**	**1%**		

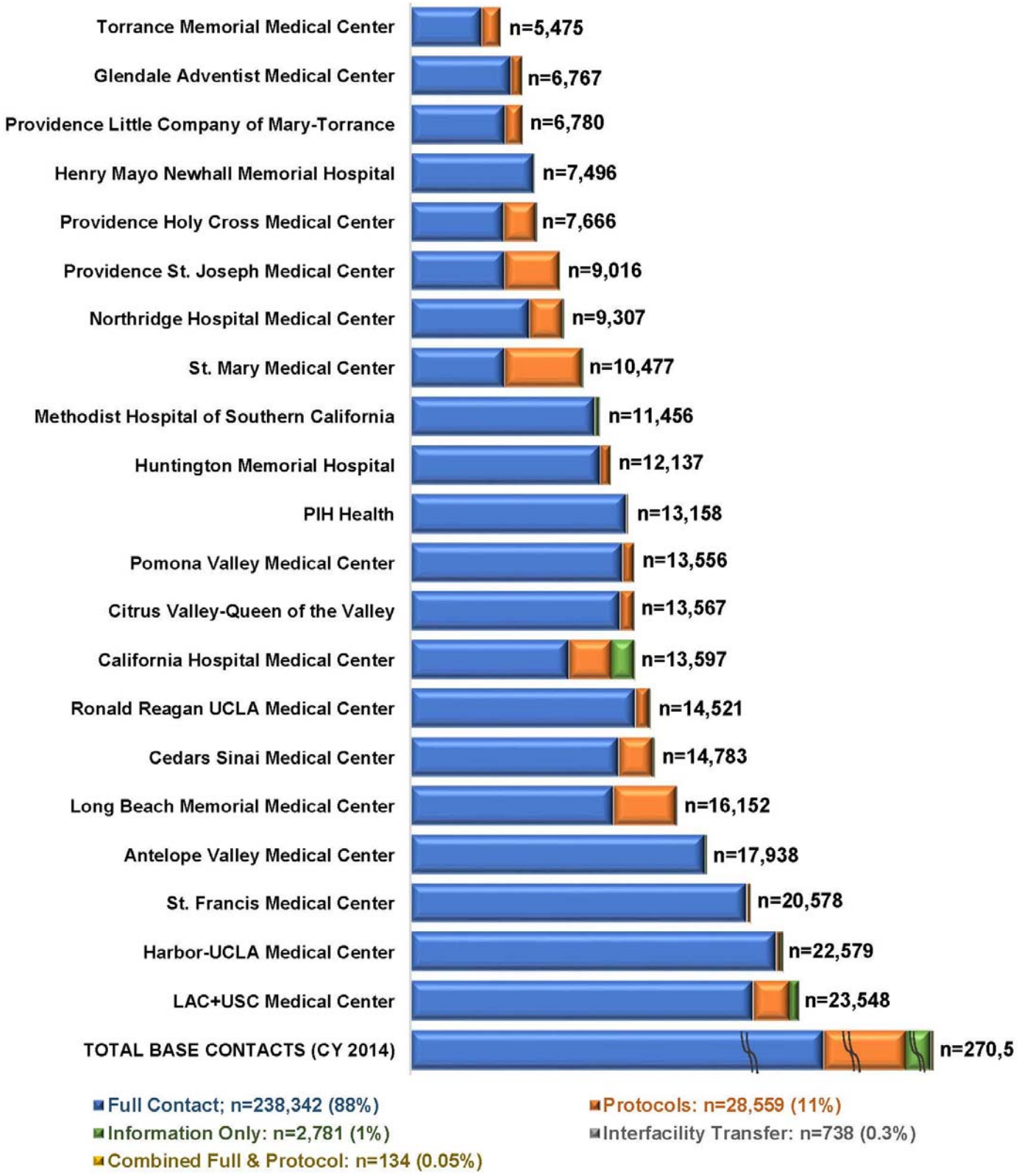
2014 EMS Responses by SPA



9-1-1 EMS Responses Resulting in Transport



Paramedic Base Hospital Contacts for Online Medical Control



Citizen (Bystander) Cardiopulmonary Resuscitation (CPR)

2014: incomplete data from LA County Fire Department.

EMS AGENCY

To ensure timely, compassionate, and quality emergency and disaster medical services.

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For data request please complete and submit the Data Request Form at http://ems.dhs.lacounty.gov/dhs/cms1_207416.pdf