



**County of Orange
Health Care Agency
Health Disaster Management/Emergency Medical Services
ANNUAL 2005 (JAN. - DEC.) SYSTEM ACTIVITY REPORT**



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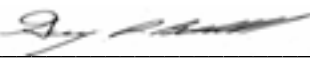
REPORT DISTRIBUTION

This report is distributed to the following individuals, committee members, groups or other entities and is available on the Health Care Agency / Emergency Medical Services Website at:
<http://www.ochealthinfo.com/medical/ems/reports.htm>

- Ambulance Association of Orange County
- Base Hospital Coordinators
- Base Hospital Physician Directors
- County Paramedic Advisory Committee (CPAC), Orange County EMS
- Each Orange County Paramedic Receiving Center, Base Hospital, and Specialty Receiving Center
- Emergency Medical Care Committee (EMCC)
- Facilities Advisory Subcommittee (FAC), Orange County EMS
- Fire Paramedic Coordinators
- Health Care Agency
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- Mercy Air
- Orange County Board of Supervisors
- Orange County Communications
- Orange County Fire Chiefs Association
- Orange County Medical Association (OCMA)
- Orange County Paramedic Training Programs
- Quality Assurance Board (QAB), Orange County EMS
- Regional Paramedic Advisory Committees (RPAC), each Base Hospital
- State EMS Authority (EMSA)

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Date: 03/13/08



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Introduction

Orange County EMS (OCEMS) collects data on EMS activity for the purpose of system monitoring and to facilitate continuous quality improvement activities at all levels of the prehospital healthcare delivery system. Data is collected from field providers (paramedics), base hospitals, paramedic receiving centers and trauma centers.

The County of Orange Health Care Agency/Emergency Medical Services Annual System Activity Report is generated every calendar year and reflects system data of interest to all EMS system participants, including hospitals and provider agencies. The Annual System Activity Report is actually a series of individual reports and offers a “snapshot” of prehospital emergency medical and trauma system care in Orange County. Other reports contained herein provide additional insight into Orange County’s medical care system.

Many of the reports contained in this summary are prepared from information obtained from the Base Hospital Report (BHR) and/or the Prehospital Care Report (PCR). All Base Hospitals collect and enter data from those reports into a database tracking system called Central One, designed by Lancet Technology®, and submit this information to OCEMS electronically. In addition, all Orange County Trauma Centers collect and enter data pertaining to services and care provided by each facility, into the Countywide Trauma Registry Data System called Trauma One. The System Activity Report does not contain data from other system participants (e.g., Basic Life Support calls, private critical care ambulance transports, or public service access points).

Data for other reports, such as the Hospital Diversion report is obtained from the ReddiNet® computer system. All paramedic receiving center hospitals are required to have the ReddiNet® system, used primarily for communications between hospitals and for notifying other system participants of the hospital’s open/closed status. The ReddiNet® system is also used during mass casualty incidents, whether actual events or planned drills. Reports contained in this quarterly activity report are:

Central-One Reports:

- Transport / Non-Transport and Destination by Facility Type
- Call Volume by Receiving Center
- Call Volume by Provider Agency and ALS Unit
- Call Volume by Base Hospital
- Patient Assessment / Primary Suspected Problem – Detailed
- Patient Assessment / Primary Suspected Problem – Condensed
- Patient Assessment / Primary Suspected Problem – By Age
- Use of ALS no-contact: by Base Hospital
- Use of ALS no-contact: Patient Assessment / Primary Suspected Problem
- Trauma Designations

Trauma Reports:

- Trauma Volume
- Trauma System Activity to include: *Severity of Distress, Transport Mode, Receiving Trauma Center, Gender, Age, Type of Injury, ISS Score, Mortality, Disability, and Surgical Services*

Other Reports:

- Interfacility Transfers via the 9-1-1 System
- Hospital Diversion: Emergency Department Saturation
- Hospital Diversion: Trauma Centers

Suggestions for additional reports are welcome and should be directed to Greg L. Boswell, RN Program Manager or Samuel J. Stratton, M.D., OCEMS Medical Director.



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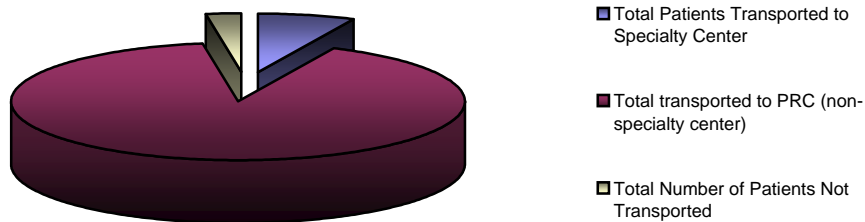


Transport / Non-transport and Destination by Facility Type

This report provides a quick overview of the disposition of patients seen by ALS providers (transported and not transported) and entered into the Central-One database. The numbers of patients transported to either a regular paramedic receiving center or to a specialty center are shown; for non-transported patients, the number who are released on scene and/or refuse transport, and those who are dead on scene are listed. *Data Source: Central One*

Total Number of Patients Transported	52,058	97%
Total transported to PRC (non-specialty center)	48,404	91%
Total Patients Transported to Specialty Center	3,654	7%
Trauma center	3,752	7%
Burn center	89	0%
Cardiac Center	113	0%
Total Number of Patients Not Transported	1,388	3%
Released on scene / refused transport	1,029	2%
Dead on Scene	359	1%
Total Number of Calls	53,446	100%

Patient Destination Distribution





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Call Volume by Receiving Center

This report provides a breakdown of the number of patient transports to each of the approved paramedic receiving centers in Orange County as well as those hospitals outside of Orange County approved to receive OCEMS patients. *Data Source: Central One*

ID#	Receiving Hospital	Total	Percent
1	Anaheim General Hospital	522	1%
2	Anaheim Memorial Medical Center	2,785	5%
3	Brea Community Hospital**	114	0%
4	Kaiser Foundation - Anaheim	1,186	2%
5	Chapman Medical Center	559	1%
7	Fountain Valley Regional Medical Center	1,972	4%
9	Hoag Memorial Hospital - Presbyterian	6,130	11%
10	Huntington Beach Hospital	2,167	4%
12	La Palma Intercommunity Hospital	695	1%
13	Los Alamitos Medical Center	1,877	4%
15	Coastal Communities Hospital	609	1%
17	Mission Hospital Regional Medical Center	4,512	8%
19	Garden Grove Hospital and Medical Center	1,507	3%
20	Placentia Linda Hospital	1,409	3%
21	SMMC - Laguna Hills	3,461	6%
22	St. Joseph Hospital	3,039	6%
23	St. Jude Medical Center	2,822	5%
24	SMMC - San Clemente	988	2%
25	South Coast Medical Center	825	2%
26	Tustin Hospital and Medical Center	143	0%
27	UCI Medical Center	3,071	6%
28	West Anaheim Medical Center	2,748	5%
29	Western Medical Center - Santa Ana	3,450	6%
30	Western Medical Center - Anaheim	1,222	2%
34	Long Beach Memorial Medical Center*	344	1%
37	St. Mary Medical Center*	10	0%
38	Orange Coast Memorial Medical Center	1,610	3%
39	Irvine Regional Medical Center	1,861	3%
53	Community Hospital of Long Beach*	66	0%
55	Whittier Medical Center*	210	0%
56	Presbyterian Intercommunity Hospital*	36	0%
36	Other	51	0%
60	Release / Signed AMA	1,029	2%
99	Dead on Scene	359	1%
	Not Documented	57	0%
Total		53,446	100%

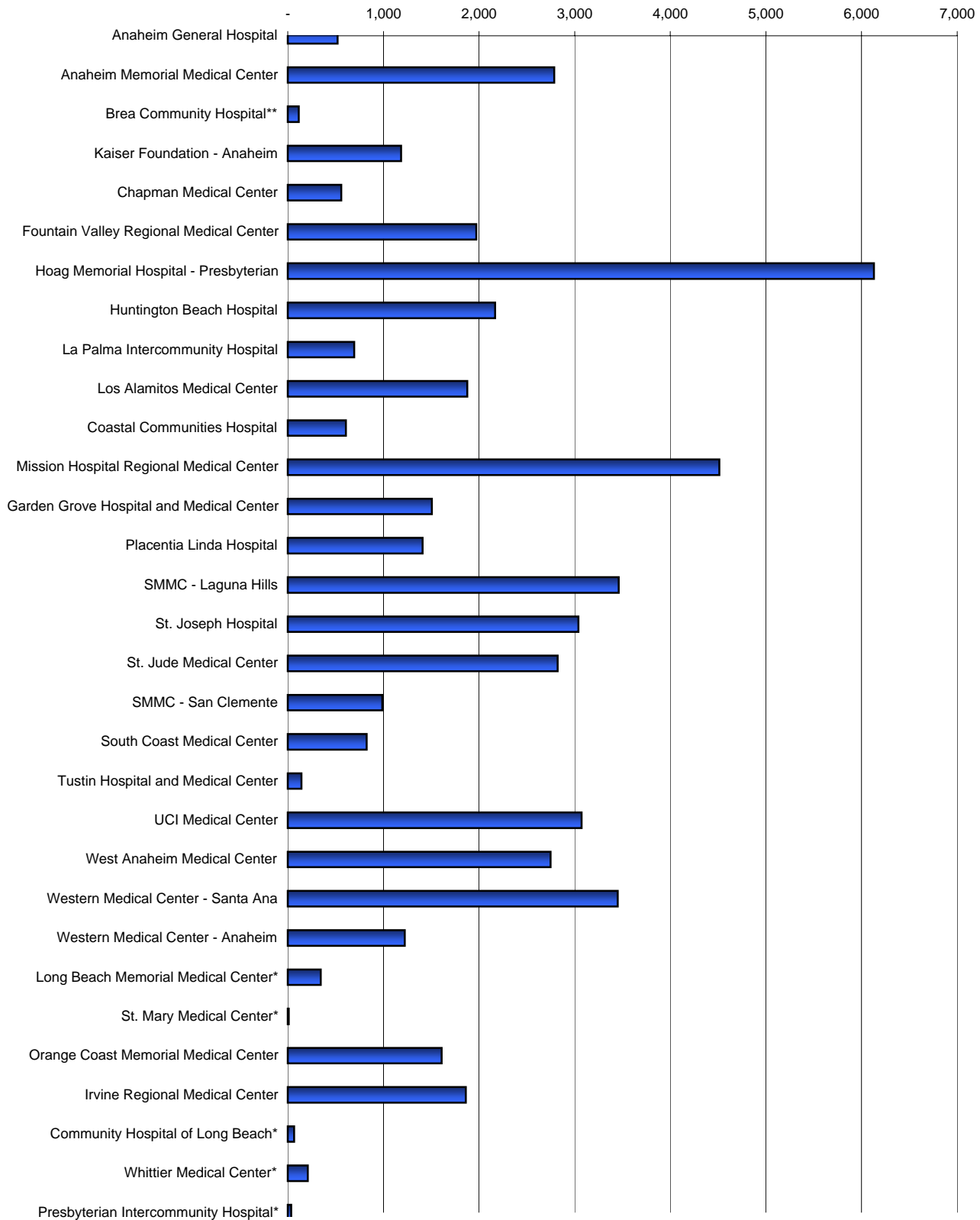
*Hospital located in Los Angeles County ** Hospital Closed 03/2005



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Call Volume by Receiving Center



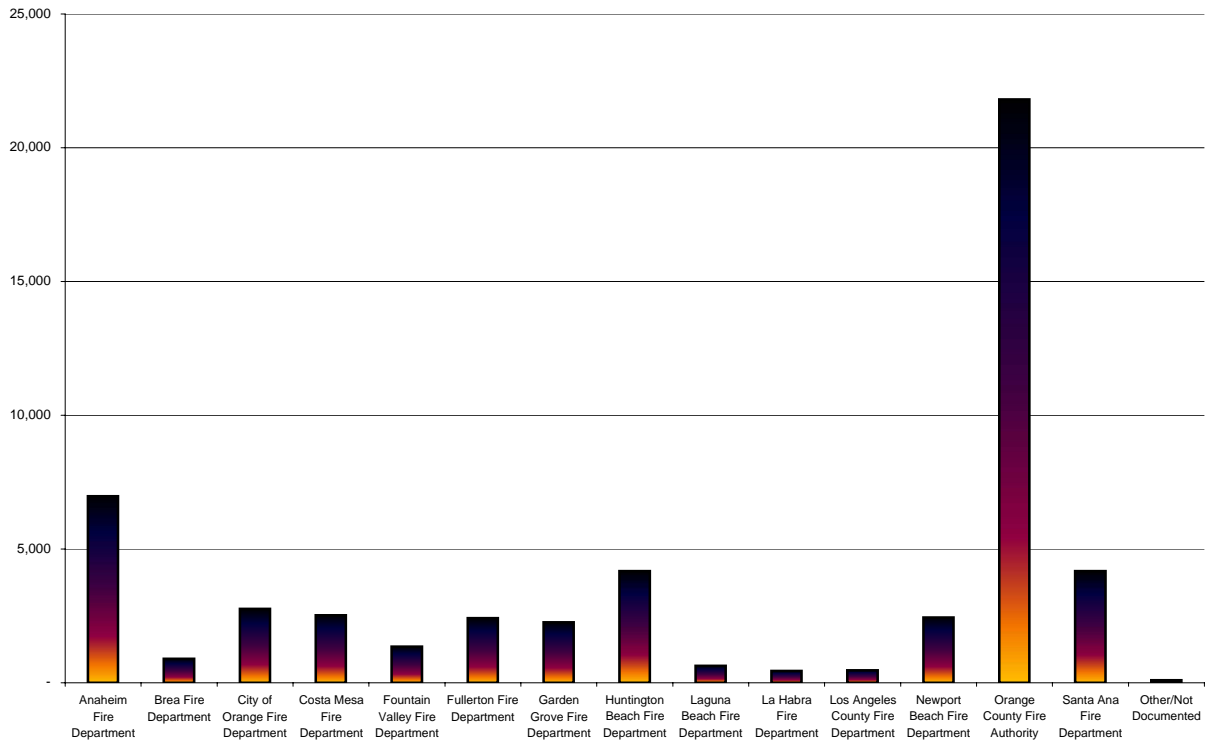


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ALS Call Volume by EMS Provider Agency

ID #	EMS Provider Agency	Total	Percent
1	Anaheim Fire Department	6,976	13%
2	Brea Fire Department	901	2%
12	City of Orange Fire Department	2,765	5%
4	Costa Mesa Fire Department	2,528	5%
5	Fountain Valley Fire Department	1,353	3%
6	Fullerton Fire Department	2,420	5%
7	Garden Grove Fire Department	2,263	4%
8	Huntington Beach Fire Department	4,173	8%
9	Laguna Beach Fire Department	633	1%
10	La Habra Fire Department	443	1%
21	Los Angeles County Fire Department	469	1%
11	Newport Beach Fire Department	2,443	5%
13	Orange County Fire Authority	21,812	41%
15	Santa Ana Fire Department	4,171	8%
	Other/Not Documented	96	0%
Total		53,446	100%





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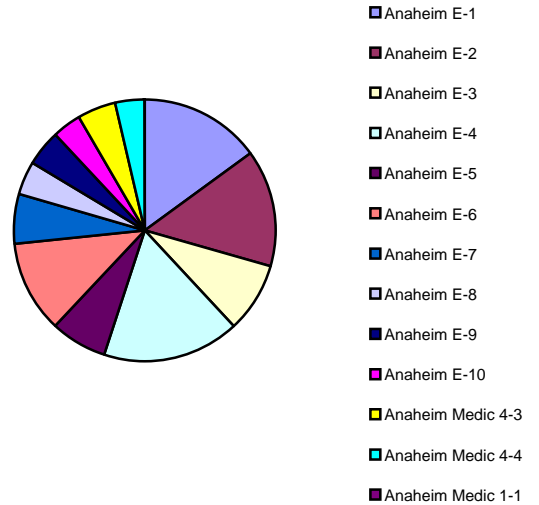


ALS Call Volume by Provider Agency and ALS Unit

This report reflects the number of base contacted, ALS no-contact, and CSO calls for each fire department, by individual ALS unit. Basic Life Support calls are not included in this report.

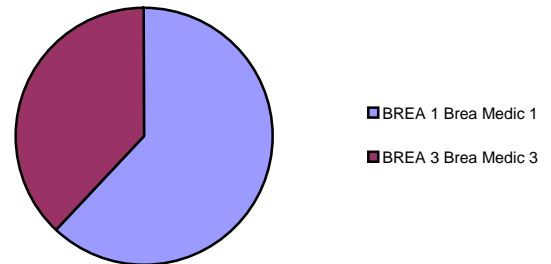
Data Source: Central One

Anaheim Fire Department			
A1	Anaheim E-1	1,040	15%
A2	Anaheim E-2	1,014	15%
A3	Anaheim E-3	594	9%
A4	Anaheim E-4	1,187	17%
A5	Anaheim E-5	477	7%
A6	Anaheim E-6	805	12%
A7	Anaheim E-7	417	6%
A8	Anaheim E-8	305	4%
A9	Anaheim E-9	313	4%
A10	Anaheim E-10	247	4%
A43	Anaheim Medic 4-3	317	5%
A44	Anaheim Medic 4-4	260	4%
	Anaheim Medic 1-1	0	0%
Total		6,976	100%



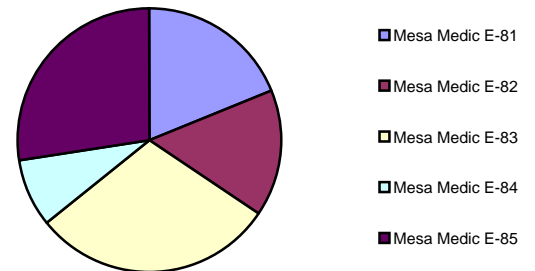
*All units assigned to Anaheim Memorial (Paramedic Resource Hospital)

Brea Fire Department			
BREA 1	Brea Medic 1	558	62%
BREA 3	Brea Medic 3	343	38%
Total		901	100%



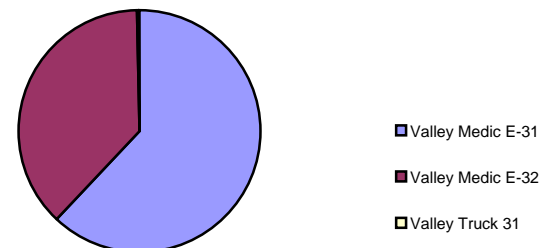
*All units assigned to St. Jude Base Hospital

Costa Mesa Fire Department			
M81	Mesa Medic E-81	479	19%
M82	Mesa Medic E-82	391	15%
M83	Mesa Medic E-83	749	30%
M84	Mesa Medic E-84	216	9%
M85	Mesa Medic E-85	693	27%
Total		2,528	100%



*All units assigned to Hoag Memorial Base Hospital

Fountain Valley Fire Department			
V31	Valley Medic E-31	839	62%
V32	Valley Medic E-32	510	38%
VT31A	Valley Truck 31	4	0%
Total		1,353	100%



*All units assigned to Huntington Beach Base Hospital



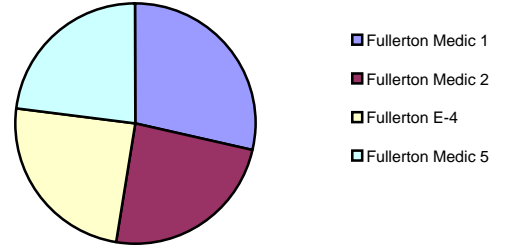
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ALS Call Volume by Provider Agency and ALS Unit (continued)

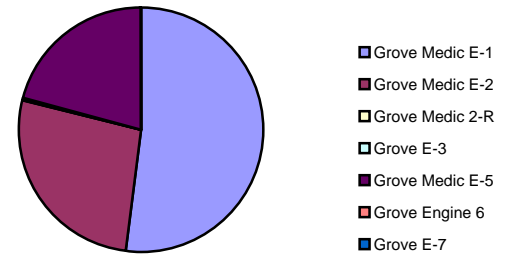
Fullerton Fire Department			
F1	Fullerton Medic 1	690	29%
F2	Fullerton Medic 2	582	24%
F4A	Fullerton E-4	588	24%
F5	Fullerton Medic 5	560	23%
Total		2,420	100%

*All units assigned to St. Jude Base Hospital



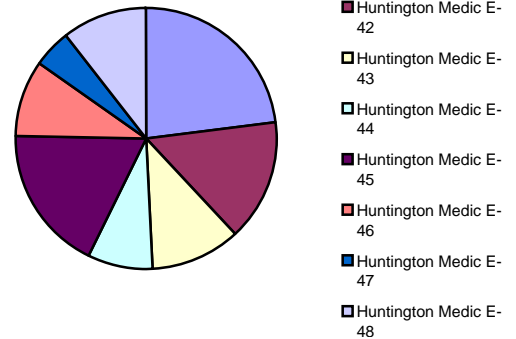
Garden Grove Fire Department			
G1	Grove Medic E-1	1177	52%
G2	Grove Medic E-2	606	27%
G2R	Grove Medic 2-R	3	0%
G3A	Grove E-3	5	0%
G5	Grove Medic E-5	471	21%
G6A	Grove Engine 6	1	0%
G7A	Grove E-7	0	0%
Total		2,263	100%

*All units assigned to UCIMC Base Hospital



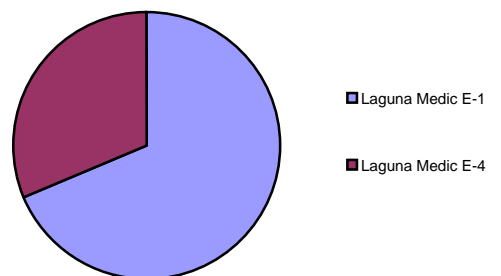
Huntington Beach Fire Department			
H41	Huntington Medic E-41	959	23%
H42	Huntington Medic E-42	629	15%
H43	Huntington Medic E-43	466	11%
H44	Huntington Medic E-44	329	8%
H45	Huntington Medic E-45	763	18%
H46	Huntington Medic E-46	389	9%
H47	Huntington Medic E-47	196	5%
H48	Huntington Medic E-48	442	11%
Total		4,173	100%

*All units assigned to Huntington Beach Base Hospital



Laguna Beach Fire Department			
L1	Laguna Medic E-1	435	69%
L4	Laguna Medic E-4	198	31%
Total		633	100%

*All units assigned to Hoag Memorial Base Hospital





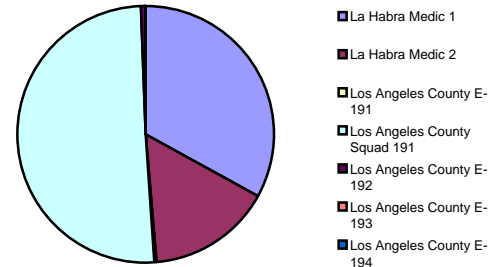
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ALS Call Volume by Provider Agency and ALS Unit continued

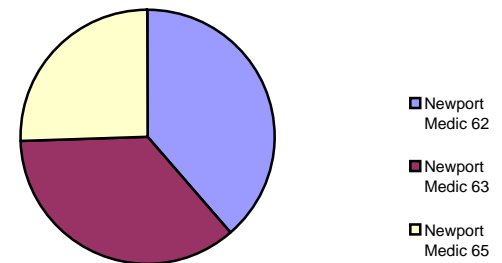
City of La Habra			
La Habra Fire Department (Jan. 1, 2005 - Jun. 30, 2005)			
LH1	La Habra Medic 1	302	33%
LH2	La Habra Medic 2	141	15%
Los Angeles County Fire Department (Jul. 1, 2005 - Dec. 31, 2005)			
LAE191	Los Angeles County E-191	3	0%
LAS191	Los Angeles County Squad 191	462	51%
LAE192	Los Angeles County E-192	4	0%
LAE193	Los Angeles County E-193	0	0%
LAE194	Los Angeles County E-194	0	0%
Total		912	100%

*All units assigned to St. Jude Base Hospital



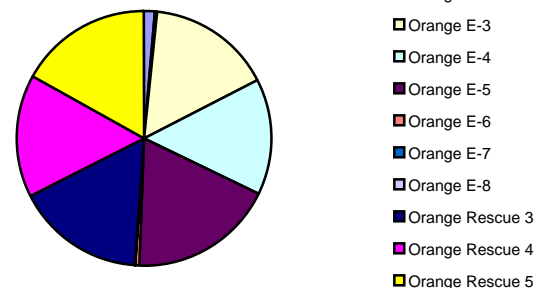
Newport Beach Fire Department			
N62	Newport Medic 62	940	38%
N63	Newport Medic 63	876	36%
N65	Newport Medic 65	627	26%
Total		2,443	100%

*All units assigned to Hoag Memorial Base Hospital



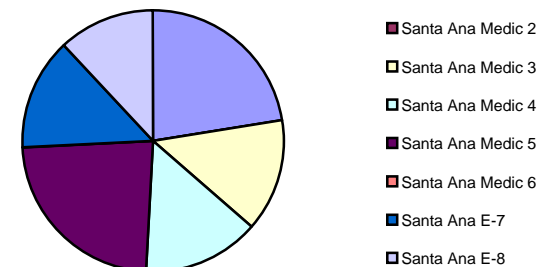
City of Orange Fire Department			
O1A	Orange E-1	38	1%
O2A	Orange E-2	9	0%
O3A	Orange E-3	435	16%
O4A	Orange E-4	410	15%
O5A	Orange E-5	508	18%
O6A	Orange E-6	13	0%
O7A	Orange E-7	1	0%
O8A	Orange E-8	3	0%
OR3	Orange Rescue 3	448	16%
OR4	Orange Rescue 4	432	16%
OR5	Orange Rescue 5	468	17%
Total		2,765	100%

*All units assigned to UCIMC Base Hospital



Santa Ana Fire Department			
SA1	Santa Ana Medic 1	942	23%
SA2	Santa Ana Medic 2	1	0%
SA3	Santa Ana Medic 3	579	14%
SA4	Santa Ana Medic 4	601	14%
SA5	Santa Ana Medic 5	972	23%
SA6A	Santa Ana Medic 6	0	0%
SA7	Santa Ana E-7	576	14%
SA8	Santa Ana E-8	500	12%
Total		4,171	100%

*All units assigned to WestMed - Santa Ana Base Hospital





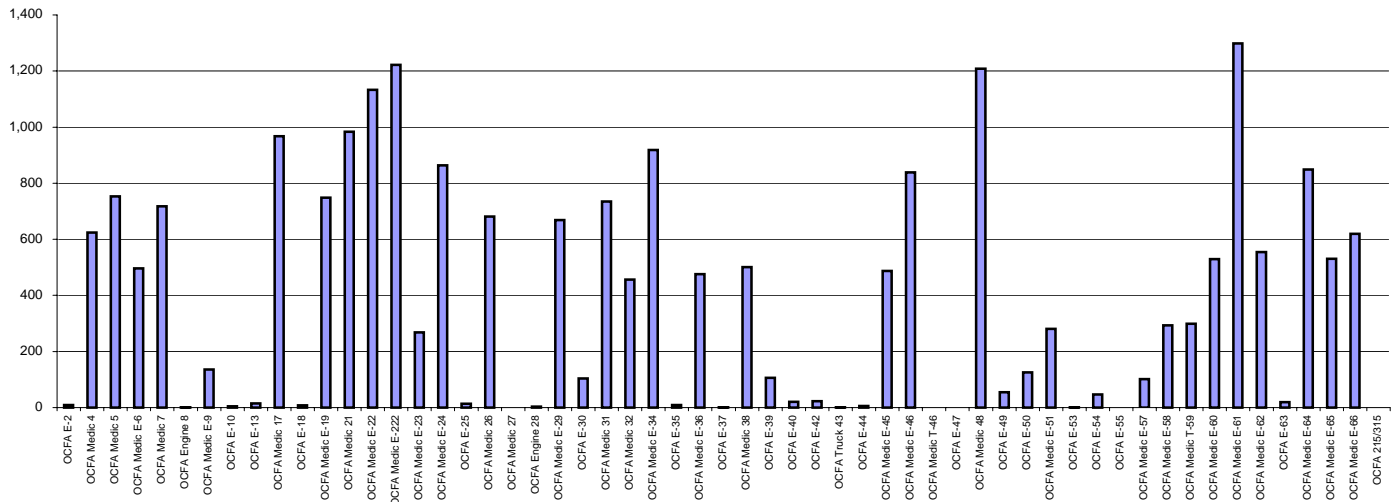
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ALS Call Volume by Provider Agency and ALS Unit (continued)

Orange County Fire Authority							
2A	OCFA E-2 ⁴	9	0%	38	OCFA Medic 38 ⁶	501	2%
4	OCFA Medic 4 ¹	624	3%	39A	OCFA E-39 ⁶	106	0%
5	OCFA Medic 5 ⁶	753	3%	40A	OCFA E-40 ⁶	20	0%
6	OCFA Medic E-6 ¹	496	2%	42A	OCFA E-42 ⁶	23	0%
7	OCFA Medic 7 ⁶	718	3%	43A	OCFA Truck 43 ¹	1	0%
8A	OCFA Engine 8 ¹	1	0%	44A	OCFA E-44 ⁴	6	0%
9	OCFA Medic E-9 ⁶	136	1%	45A	OCFA E-45 ⁶	487	2%
10A	OCFA E-10 ³	5	0%	46	OCFA Medic E-46 ⁴	839	4%
13A	OCFA E-13 ⁴	15	0%	T46A	OCFA T-46 ⁴	0	0%
17	OCFA Medic 17 ⁴	968	4%	47A	OCFA E-47 ¹	0	0%
18A	OCFA E-18 ⁶	8	0%	48	OCFA Medic 48 ⁴	1,208	6%
19	OCFA Medic E-19 ⁶	749	3%	49A	OCFA E-49 ⁶	55	0%
21	OCFA Medic 21 ¹	984	5%	50	OCFA E-50 ⁶	125	1%
22	OCFA Medic E-22 ⁶	1,133	5%	51	OCFA Medic E-51 ⁶	281	1%
222	OCFA Medic E-222 ⁶	1,222	6%	53A	OCFA E-53 ³	1	0%
23	OCFA Medic E-23 ¹	268	1%	54A	OCFA E-54 ⁶	47	0%
24	OCFA Medic E-24 ¹	864	4%	55A	OCFA E-55 ⁶	0	0%
25A	OCFA E-25 ⁴	14	0%	57	OCFA Medic E-57 ⁶	101	0%
26	OCFA Medic 26 ¹	681	3%	58	OCFA Medic E-58 ⁶	293	1%
27	OCFA Medic 27 ¹	0	0%	59	OCFA Medic T-59 ⁶	299	1%
28A	OCFA Engine 28 ¹	3	0%	60	OCFA Medic E-60 ⁶	529	2%
29	OCFA Medic E-29 ⁶	669	3%	61	OCFA Medic E-61 ³	1,298	6%
30A	OCFA E-30 ⁶	104	0%	62	OCFA Medic E-62 ³	554	3%
31	OCFA Medic 31 ⁶	735	3%	63A	OCFA E-63 ³	19	0%
32	OCFA Medic 32 ³	456	2%	64	OCFA Medic E-64 ⁴	849	4%
34	OCFA Medic E-34 ³	919	4%	65	OCFA Medic E-65 ⁴	530	2%
35A	OCFA E-35 ³	9	0%	66	OCFA Medic E-66 ⁴	620	3%
36	OCFA Medic E-36 ¹	476	2%	215A	OCFA 215/315	0	0%
37A	OCFA E-37 ¹	1	0%				
Total						21,812	100%

1-Units assigned to WestMed - Santa Ana Base Hospital
 3-Units assigned to St. Jude Base Hospital
 4-Units assigned to Huntington Beach Base Hospital
 6-Units assigned to Mission Base Hospital





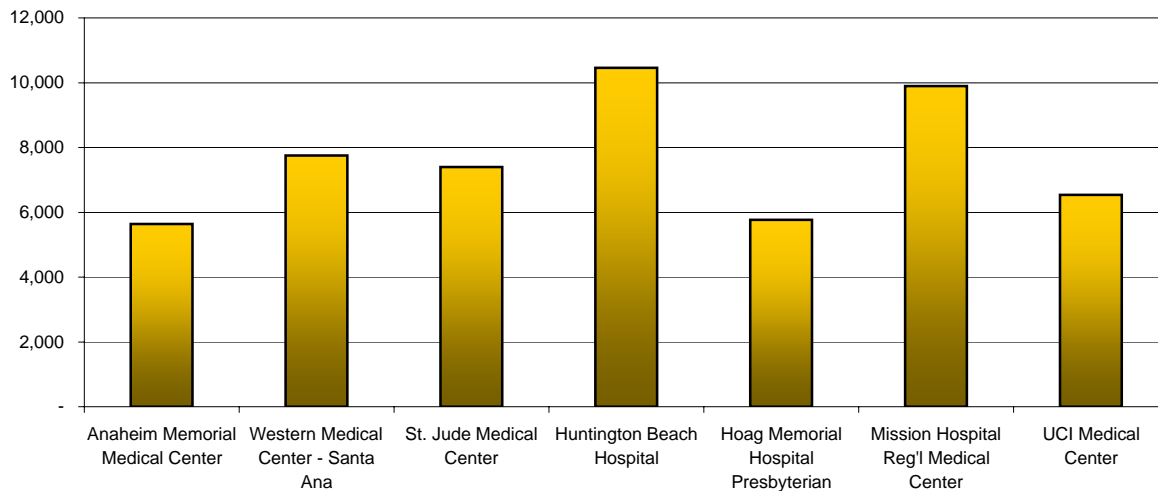
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Call Volume by Base Hospital

This report shows the number of calls managed by each of the six Base Hospitals for patient encounters in which paramedics established on-line medical control, as well as those managed under the ALS no-contact criteria. One ALS provider agency operates under an expanded scope termed Comprehensive Standing Orders (CSO); those calls are reflected in the data reported by the one Paramedic Resource Hospital. *Data Source: Central One*

ID #	Paramedic Resource Hospital	Total	Percent
2	Anaheim Memorial Medical Center	5,640	11%
ID #	Base Hospital	Total	Percent
1	Western Medical Center - Santa Ana	7,752	15%
3	St. Jude Medical Center	7,399	14%
4	Huntington Beach Hospital	10,456	20%
5	Hoag Memorial Hospital Presbyterian	5,767	11%
6	Mission Hospital Reg'l Medical Center	9,897	19%
7	UCI Medical Center	6,535	12%
Total		53,446	100%





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ALS Patient Assessment / Primary Suspected Problem - Detailed

When paramedics evaluate a patient, they and the base hospital make a working diagnosis or assessment of the patient's presumed medical problem. This report summarizes the types of medical problems encountered by ALS providers, grouped by general classifications. See the Glossary for additional information. (The alpha-numeric indicator preceding each assessment is the OCEMS-assigned approved coding used when entering information into the Lancet database.) *Data Source: Central One*

ID#	Initial Assessment Category	Total	Percent
Airway Problems		218	0%
A04	Croup / Epiglottitis	54	0%
	All Others	164	0%
Breathing Problems		6,917	13%
B01 / B14	Pulmonary Edema / CHF	1,359	3%
B02	COPD	1,241	2%
B03	Asthma	1,202	2%
	All Others	3,115	6%
Circulatory Problems		14,001	26%
C01	Syncope	3,052	6%
C03 / C07	Hypovolemic Shock / Cardiogenic Shock	332	1%
C04	GI Bleeding	609	1%
C08	Angina	3,941	7%
C09	R/O MI	2,900	5%
C10	Dysrhythmias	1,354	3%
C16	STEMI to CVRC	113	0%
	All Others	1,700	3%
Delicate CNS		13,249	25%
D01	Alcohol-related	839	2%
D02	Seizure (non-febrile)	3,250	6%
D05 / D06	Overdose / Drug Ingestion	1,830	3%
D07 / D23	CVA / TIA	2,801	5%
D12	Head Trauma to PTRC	160	0%
D24	Head Trauma to PRC	313	1%
	All others	4,056	8%
External Soft Tissue		672	1%
E03 / E04 / E05 / E08	Burns (All categories)	48	0%
E12	Burn to Burn Center	89	0%
	All Others	535	1%
Skeletal Injuries		1,665	3%
F01 / F02 / F03	Suspected Fractures	726	1%
F05	Amputation	38	0%
F06	Strain / Sprain	448	1%
	All Others	453	1%
GI / GU		1,720	3%
G01 / G02	Abdominal pain	1,053	2%
G08	Flank / Groin pain	174	0%
	All Others	493	1%



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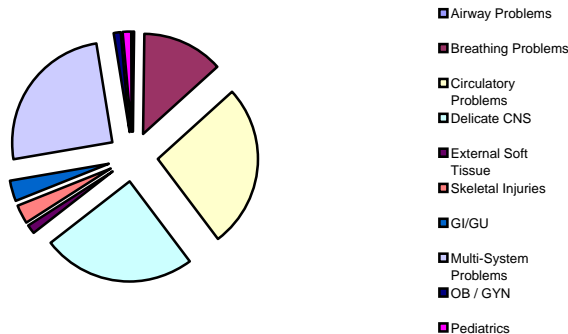


ALS Patient Assessment / Primary Suspected Problem - Detailed (continued)

Multiple System Problems		13,542	25%
H01	Cardiopulmonary Arrest - Medical	1,317	2%
H04 / H05	Diabetic Related Problem	2,781	5%
H06	Submersion (drowning / near-drowning)	38	0%
H08	MTV to PRC	330	1%
H09	MTV / CTV to PTRC	3,489	7%
H10	General Weakness	2,737	5%
H15	Allergic Reaction	449	1%
H18	Hypotension	589	1%
H20	Cardiopulmonary Arrest - Traumatic	30	0%
	All Others	1,782	3%
OB / GYN		623	1%
I01	Vaginal Bleeding	145	0%
I04 / I05 / I07 / I11	Other OB-related	243	0%
I06	Normal Field Delivery	52	0%
	All Others	183	0%
Pediatric		681	1%
J01	Suspected SIDS	7	0%
J03 / J04	Newborn	43	0%
J07	Febrile Seizure	491	1%
	All Others	140	0%
	Initial Assessments/Not Documented/Blank	158	0%
Total		53,446	100%

Patient Assessment /Primary Suspected Problem - By Category

ID	Assessment Category	Total	Percent
A	Airway Problems	218	0%
B	Breathing Problems	6,917	13%
C	Circulatory Problems	14,001	26%
D	Delicate CNS	13,249	25%
E	External Soft Tissue	672	1%
F	Skeletal Injuries	1,665	3%
G	GI/GU	1,720	3%
H	Multi-System Problems	13,542	25%
I	OB / GYN	623	1%
J	Pediatrics	681	1%
	Initial Assessments/Not Documented/Blank	158	0%
Total		53,446	100%





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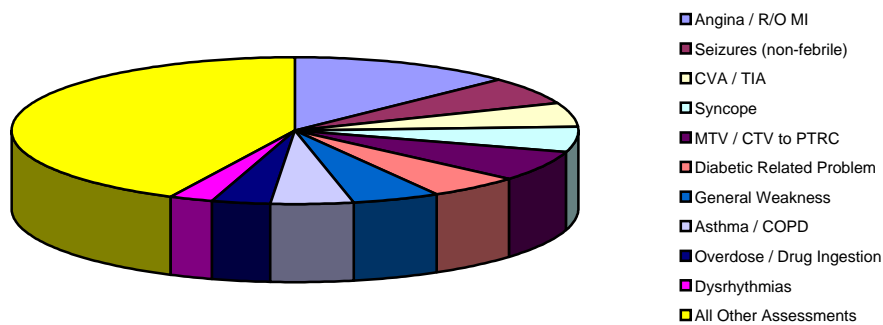


ALS Patient Assessment / Primary Suspected Problem - Condensed

This report summarizes the general assessment categories and the most frequently used specific initial assessment for all patient encounters (ALS Assessment, Base Hospital Contacted, ALS No-Contact Criteria, and Comprehensive Standing Orders "CSO"). *Data Source: Central One*

	ID#	Initial Assessment	Total	Percent
1	C08 / C09	Angina / R/O MI	6,841	13%
2	D02	Seizures (non-febrile)	3,250	6%
3	D07 / D23	CVA / TIA	2,801	5%
4	C01	Syncope	3,052	6%
5	H09	MTV / CTV to PTRC	3,489	7%
6	H04 / H05	Diabetic Related Problem	2,781	5%
7	H10	General Weakness	2,737	5%
8	B02 / B03	Asthma / COPD	2,443	5%
9	D05 / D06	Overdose / Drug Ingestion	1,830	3%
10	C10	Dysrhythmias	1,354	3%
		All Other Assessments	22,868	43%
Total			53,446	100%

Patient Assessment





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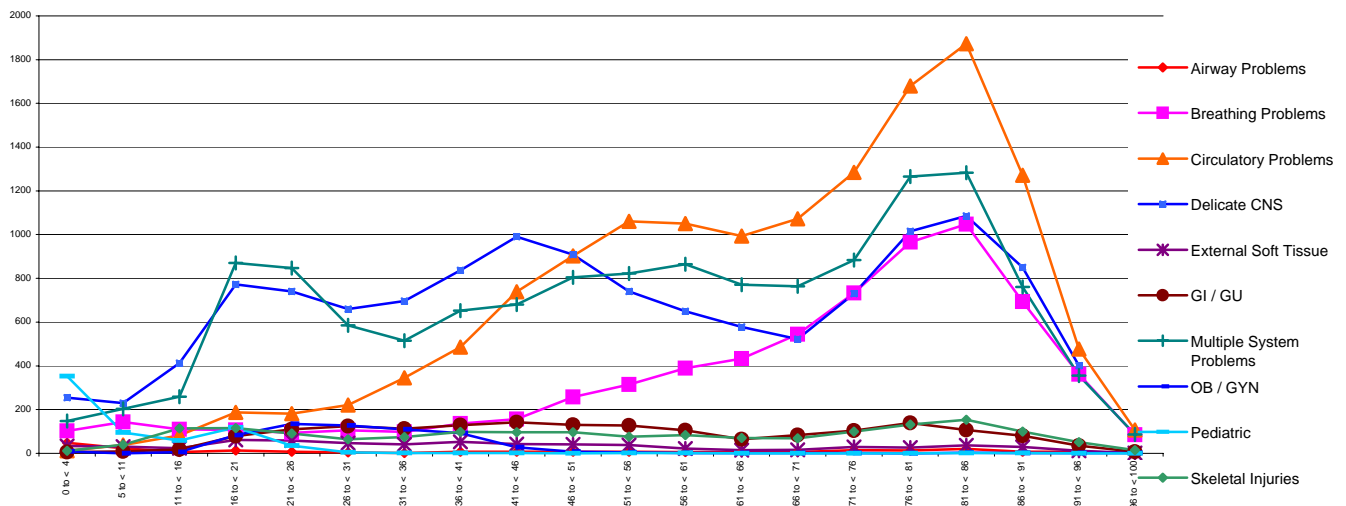
ALS Patient Assessment / Primary Suspected Problem – By Age

This report summarizes the most frequently used specific initial assessment for all patient encounters (ALS Assessment, Base Hospital Contacted, ALS No-Contact Criteria, and Comprehensive Standing Orders “CSO”) and categorizes them by the patient’s age (in years). **Note: Totals do not include “Blank” and “Not Documented” items.**

Data Source: Central One

Assessment Category	0 to < 4	5 to < 11	11 to < 16	16 to < 21	21 to < 26	26 to < 31	31 to < 36	36 to < 41	41 to < 46	46 to < 51
Airway Problems	49	24	6	13	7	4	2	8	7	8
Breathing Problems	103	144	110	107	94	106	98	136	157	257
Circulatory Problems	11	38	82	188	181	221	345	486	739	902
Delicate CNS	255	230	412	772	741	660	696	837	990	909
External Soft Tissue	34	30	23	62	58	47	41	53	43	41
GI / GU	6	9	17	79	110	124	113	129	142	130
Multiple System Problems	148	203	259	871	847	585	515	652	680	804
OB / GYN	9	0	6	84	135	128	110	92	28	7
Pediatric	352	95	58	119	35	4	2	2	1	0
Skeletal Injuries	12	39	114	116	91	65	75	98	96	96
Total	979	812	1,087	2,411	2,299	1,944	1,997	2,493	2,883	3,154
Percent of Total Volume	2%	2%	2%	5%	4%	4%	4%	5%	5%	6%

Assessment Category	51 to < 56	56 to < 61	61 to < 66	66 to < 71	71 to < 76	76 to < 81	81 to < 86	86 to < 91	91 to < 96	96 to < 100
Airway Problems	7	6	6	6	15	13	20	8	8	1
Breathing Problems	314	389	433	544	733	965	1047	693	362	85
Circulatory Problems	1061	1051	993	1072	1285	1679	1872	1272	477	107
Delicate CNS	741	649	578	523	730	1015	1085	850	401	95
External Soft Tissue	38	22	14	16	29	26	36	29	12	2
GI / GU	127	105	64	83	104	139	107	80	35	8
Multiple System Problems	822	864	771	764	884	1266	1283	761	356	86
OB / GYN	5	2	1	2	2	0	3	1	1	1
Pediatric	1	1	0	0	0	0	1	1	0	0
Skeletal Injuries	76	84	70	69	99	132	154	99	51	14
Total	3,192	3,173	2,930	3,079	3,881	5,235	5,608	3,794	1,703	399
Percent of Total Volume	6%	6%	5%	6%	7%	10%	10%	7%	3%	1%





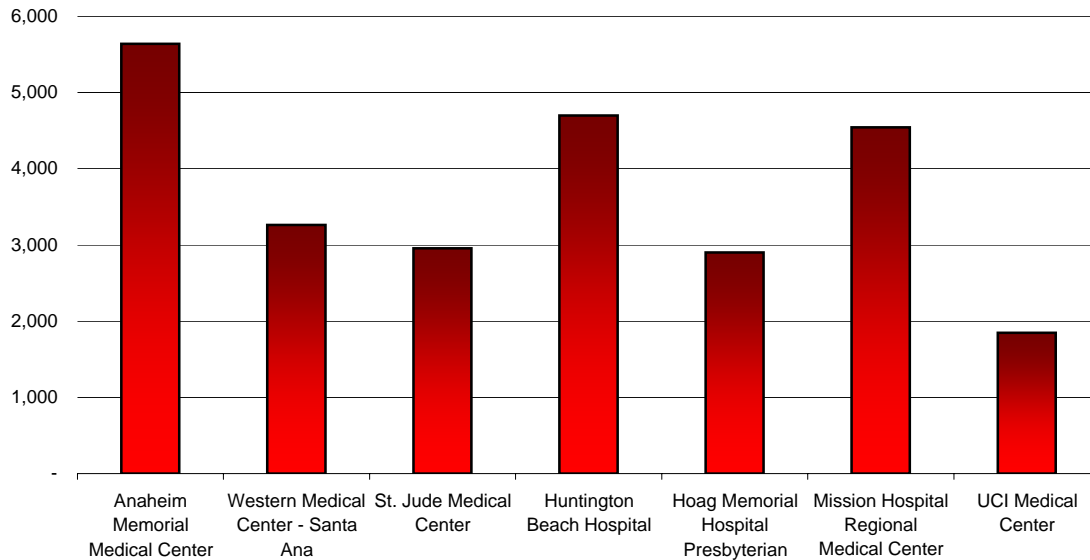
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Use of ALS No-Contact Criteria: By Base Hospital

This report shows the frequency of use of ALS No-Contact criteria by paramedics assigned to each Base Hospital. (See OCEMS Treatment Guideline I-40 for specific criteria). *Data Source: Central One*

ID # Paramedic Resource Hospital	Total	Percent
2 Anaheim Memorial Medical Center	5,640	22%
ID # Base Hospital	Total	Percent
1 Western Medical Center - Santa Ana	3,263	13%
3 St. Jude Medical Center	2,957	11%
4 Huntington Beach Hospital	4,698	18%
5 Hoag Memorial Hospital Presbyterian	2,901	11%
6 Mission Hospital Regional Medical Center	4,543	18%
7 UCI Medical Center	1,846	7%
Total (ALS No-Contact Calls Only)	20,208	78%
Total (ALS No-Contact and CSO)	25,848	100%





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Use of ALS No-Contact Criteria: Patient Assessment/Primary Suspected Problem

This report shows the general assessment category and the most frequently used specific initial assessments when paramedics use ALS no-contact criteria. This report does not include use of Comprehensive Standing Orders (CSO). *Data Source: Central One*

ID#	Initial Assessment Category	Total	Percent
Airway Problems		81	0%
A04	Croup / Epiglottitis	18	0%
	All Others	63	0%
Breathing Problems		1,889	9%
B01 / B14	Pulmonary Edema / CHF	139	1%
B02	COPD	294	1%
B03	Asthma	214	1%
	All Others	1,242	6%
Circulatory Problems		4,726	23%
C01	Syncope	1,847	9%
C04	GI Bleeding	309	2%
C07	Hypovolemic Shock	63	0%
C08	Angina	1,191	6%
C09	R/O MI	105	1%
C10	Dysrhythmias	252	1%
	All Others	959	5%
Delicate CNS		6,554	32%
D01	Alcohol-related	526	3%
D02	Seizure (non-febrile)	1,539	8%
D05 / D06	Overdose / drug ingestion	945	5%
D07 / D23	CVA / TIA	1,628	8%
D24	Head trauma to PRC	97	0%
	All others	1,819	9%
External Soft Tissue		295	1%
E01	Burns (All categories)	255	1%
	All Others	40	0%
Skeletal Injuries		906	4%
F01 / F02 / F03	Suspected fractures	398	2%
F06	Strain / Sprain	340	2%
	All Others	168	1%
GI / GU		945	5%
G01 / G02	Abdominal pain	592	3%
G08	Flank / Groin Pain	41	0%
	All Others	312	2%
Multiple System Problems		4,318	21%
H01	Cardiopulmonary Arrest - Medical	6	0%
H20	Cardiopulmonary Arrest - Traumatic	-	0%
H03	Hypertension Crisis (DBP >120)	30	0%
H04 / H05	Diabetic Condition (Hyper or Hypo)	1,545	8%
H08	MTV to PRC	39	0%
H09	MTV / CTV to PTRC	11	0%
H10	General Weakness	1,761	9%
H15	Allergic Reaction	97	0%
H18	Hypotension (Unknown Etiology)	42	0%
	All Others	787	4%



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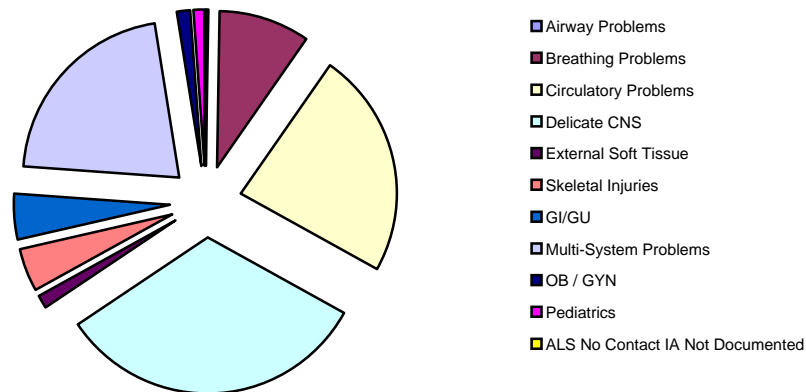
Use of ALS No-Contact Criteria: Patient Assessment/Primary Suspected Problem (continued)

OB / GYN		265	1%
I01	Vaginal Bleeding	65	0%
I04 / I05 / I07 / I11	Other OB-related	105	1%
I06	Field Delivery	8	0%
	All Others	87	0%
Pediatric		206	1%
J01	Suspected SIDS	1	0%
J03 / J04	Newborn	4	0%
J07	Febrile seizure	174	1%
	All Others	27	0%
	ALS No Contact IA Not Documented	23	0%
Total		20,208	100%

Initial Assessments Condensed

ALS No Contact Patient Assessment/Primary Suspected Problem: by Category

ID	Assessment Category	Total	Percent
A	Airway Problems	81	0%
B	Breathing Problems	1,889	9%
C	Circulatory Problems	4,726	23%
D	Delicate CNS	6,554	32%
E	External Soft Tissue	295	1%
F	Skeletal Injuries	906	4%
G	GI/GU	945	5%
H	Multi-System Problems	4,318	21%
I	OB / GYN	265	1%
J	Pediatrics	206	1%
K	ALS No Contact IA Not Documented	23	0%
Total		20,208	100%





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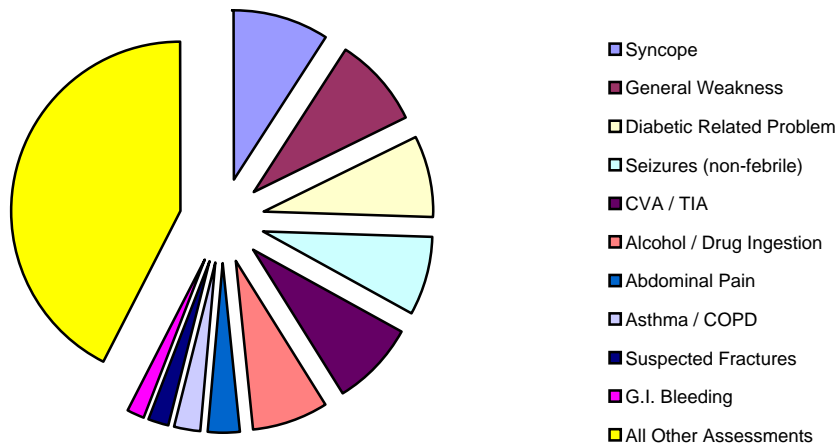


By Assessment Category

ALS No-Contact Criteria by Top Ten Assessment Categories

ID#	Initial Assessment	Total	Percent
1	C01 Syncope	1,847	9%
2	H10 General Weakness	1,761	9%
3	H04 / H05 Diabetic Related Problem	1,545	8%
4	D02 Seizures (non-febrile)	1,539	8%
5	D07 / D23 CVA / TIA	1,628	8%
6	D01 / D05 / D06 Alcohol / Drug Ingestion	1,471	7%
7	G01 / G02 Abdominal Pain	592	3%
8	B02 / B03 Asthma / COPD	508	3%
9	F01 / F02 / F03 Suspected Fractures	398	2%
10	C04 G.I. Bleeding	309	2%
	All Other Assessments	8,610	43%
	Total	20,208	100%

Initial Assessment Categories





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Trauma Designations

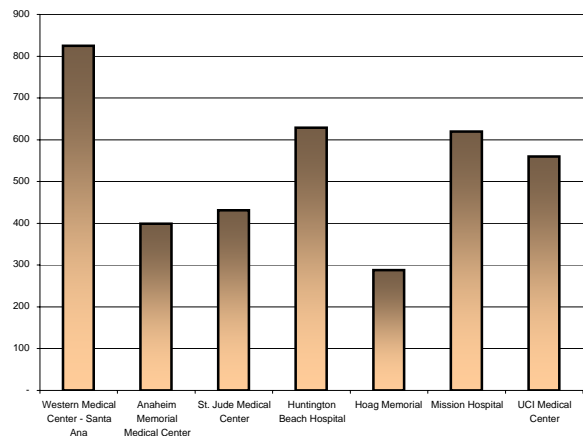
Patients sustaining either penetrating or blunt-force injuries meeting specified criteria are classified as either a critical trauma victim (CTV) or a moderate trauma victim (MTV) and are triaged to a specialty hospital approved by OCEMS to evaluate and treat these types of patients. (See OCEMS policy 310.30). NOTE: THIS REPORT IS GENERATED ON DATA ENTERED INTO THE CENTRAL ONE DATABASE, NOT TRAUMA ONE. This multi-part report summarizes:

Trauma designations per Base Hospital / Paramedic Resource Hospital

The number of ALS patients meeting trauma criteria designated by each base hospital and transported to a PTRC.

Data Source: Central One

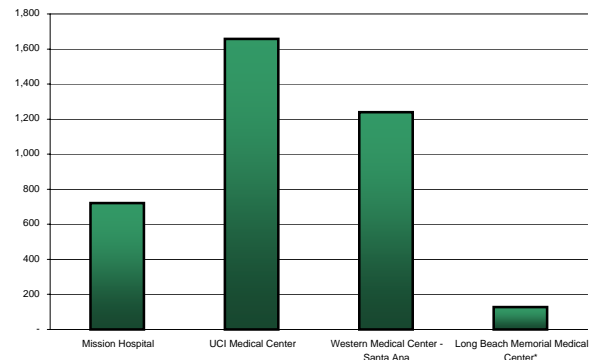
Base Hospital	Total	Percent
Western Medical Center - Santa Ana	825	22%
Anaheim Memorial Medical Center	399	11%
St. Jude Medical Center	431	11%
Huntington Beach Hospital	629	17%
Hoag Memorial	288	8%
Mission Hospital	620	17%
UCI Medical Center	560	15%
Total	3,752	100%



Designated trauma patients received at each Paramedic Trauma Receiving Center (PTRC)

The number of trauma patients received by each of the three Orange County trauma hospitals and one trauma hospital in LA County approved to receive OCEMS trauma patients. Data Source: Central One

Receiving Trauma Center	Total	Percent
Mission Hospital	722	19%
UCI Medical Center	1,657	44%
Western Medical Center - Santa Ana	1,240	33%
Long Beach Memorial Medical Center*	128	3%
No Transport / Released Signed	3	0%
Dead on Scene / Other	2	0%
Total	3,752	100%

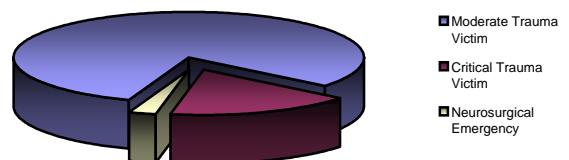


*Hospital is located in Los Angeles County

Categories / types of designated trauma patients directed to a PTRC

The general classifications or types of trauma patients, designated by the base hospitals for transport to a PTRC. (* Not Documented cases not included in overall percentage calculations.) Data Source: Central One

Trauma Patient Classification	Total	Percent
Moderate Trauma Victim	3,012	80%
Critical Trauma Victim	641	17%
Neurosurgical Emergency	99	3%
Total	3,752	100%





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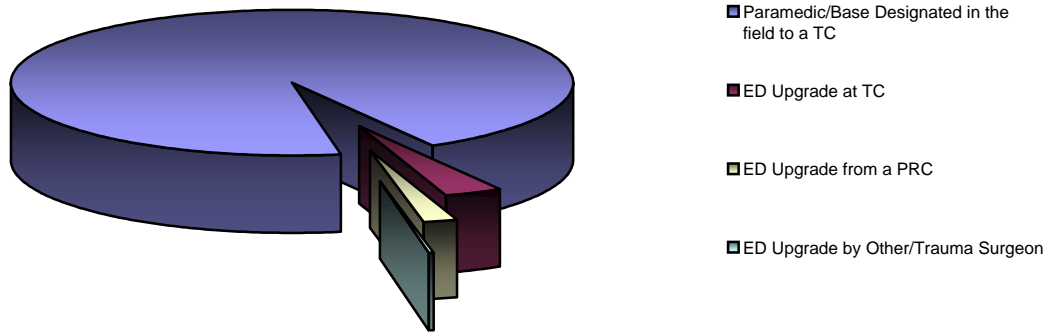


Orange County Trauma System Volume

Trauma Patient occurrences as reported by each OCEMS Designated Paramedic Trauma Receiving Center (PTRC).
NOTE: THIS REPORT AND ALL OTHER REPORTS ON PAGES 21 - 26 HAVE BEEN GENERATED BASED ON DATA ENTERED INTO THE COUNTYWIDE TRAUMA REGISTRY (TRAUMA ONE), NOT THE CENTRAL ONE (BASE HOSPITAL) DATA SYSTEM. *Data Source: Trauma One*

Total Trauma Patients	4,568	100%
Total Designated Trauma Patients		
Paramedic/Base Designated in the field to a TC	4,228	93%
ED Upgrade at TC	144	3%
ED Upgrade from a PRC	95	2%
ED Upgrade by Other/Trauma Surgeon	7	0%
Total Non-Designated Trauma Patients		
Patient had a traumatic mechanism and was admitted to the trauma service at a trauma center ("walk-ins")	61	1%
Not Documented	33	1%

Total Designated Trauma Patients





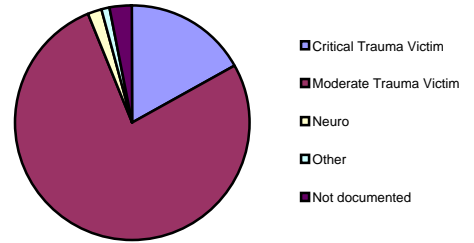
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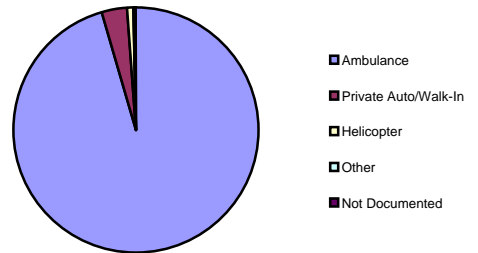
Trauma System Activity

This report identifies the total number of Critical Trauma Victims and Moderate Trauma Victims and outlines the modes in which each patient arrived at a PTRC; and by Gender. *Data Source: Trauma One*

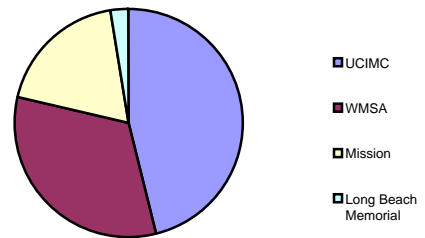
Severity of Distress		
Critical Trauma Victim	774	17%
Moderate Trauma Victim	3,512	77%
Neuro	96	2%
Other	45	1%
Not documented	141	3%
Total	4,568	100%



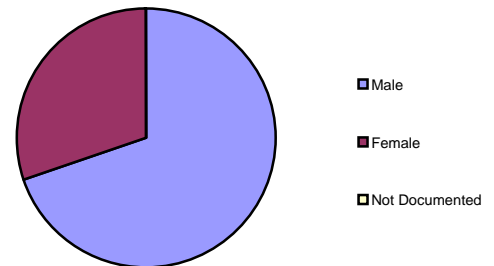
Mode of Transport		
Ambulance	4,370	96%
Private Auto/Walk-In	149	3%
Helicopter	35	1%
Other	0	0%
Not Documented	14	0%
Total	4,568	100%



Received by		
UCIMC	2,103	46%
WMSA	1,482	32%
Mission	872	19%
Long Beach Memorial	111	2%
Total	4,568	100%



Gender		
Male	3,191	70%
Female	1,374	30%
Not Documented	3	0%
Total	4,568	100%





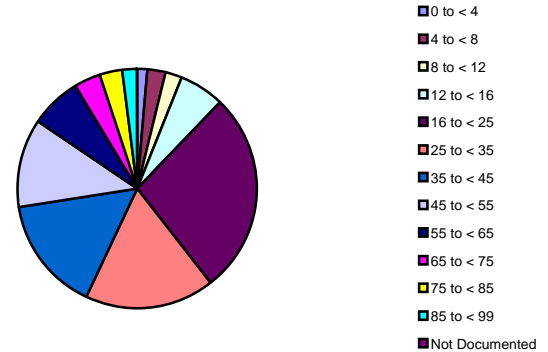
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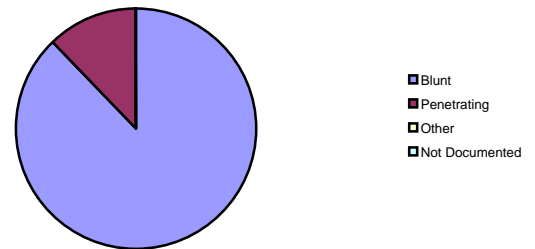
Trauma System Activity by Age and Type of Injury Data

This report demonstrates the number of trauma victims according to their age, type of injury and cause of injury. *Data Source: Trauma One*

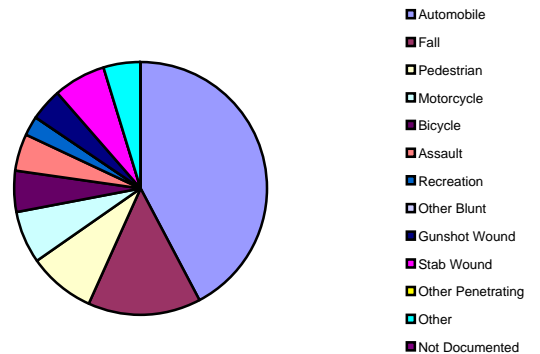
Age		
0 to < 4	60	1%
4 to < 8	117	3%
8 to < 12	98	2%
12 to < 16	281	6%
16 to < 25	1,241	27%
25 to < 35	808	18%
35 to < 45	706	15%
45 to < 55	547	12%
55 to < 65	318	7%
65 to < 75	159	3%
75 to < 85	149	3%
85 to < 99	79	2%
Not Documented	5	0%
Total	4,568	100%



Type of Injury		
Blunt	4,015	88%
Penetrating	548	12%
Other	2	0%
Not Documented	3	0%
Total	4,568	100%



Cause of Injury		
Automobile	1,931	42%
Fall	662	14%
Pedestrian	388	8%
Motorcycle	300	7%
Bicycle	246	5%
Assault	218	5%
Recreation	115	3%
Other Blunt	0	0%
Gunshot Wound	192	4%
Stab Wound	303	7%
Other Penetrating	0	0%
Other	209	5%
Not Documented	4	0%
Total	4,568	100%





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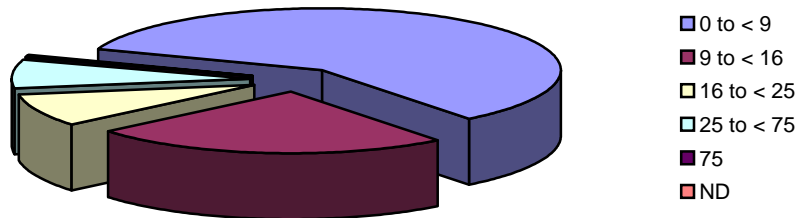
Trauma System Activity by Injury Severity Score

The following data categorizes trauma victims according to their Injury Severity Score (ISS). ISS is a measure of severity of injury calculated from ICD-9 codes after the patients' admission or discharge from the hospital when all injuries are known. The range is 0-75, with 0 indicating no injury and 75 among the most severe.

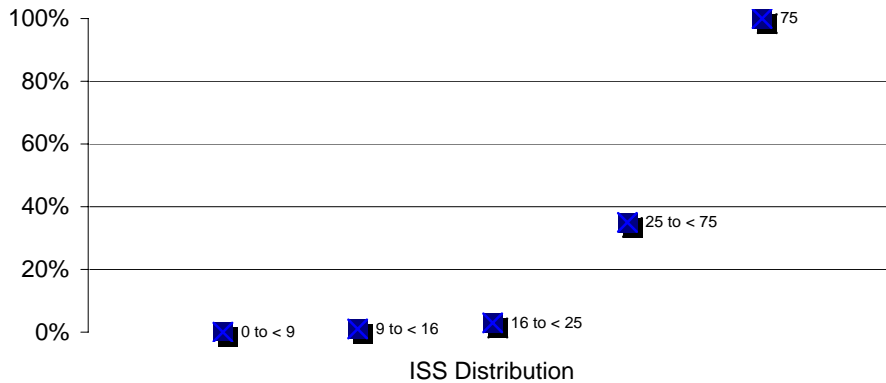
Data Source: Trauma One

ISS Distribution	Total	% of Total	Deaths by ISS	% of Deaths
0 to < 9	2,684	59%	9	5%
9 to < 16	1,125	25%	10	6%
16 to < 25	385	8%	14	8%
25 to < 75	348	8%	128	72%
75	19	0%	17	10%
ND	7	0%	0	0%
Total	4,568	100%	178	

ISS Distribution



Percent of Deaths for ISS Groups





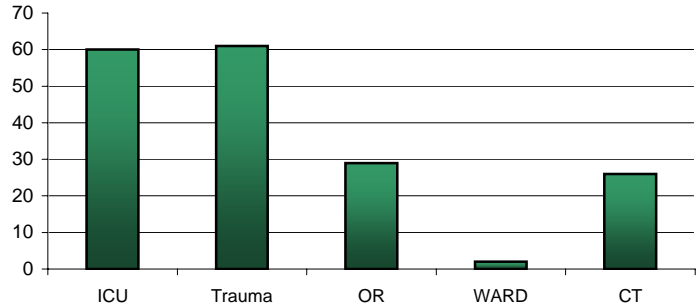
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Trauma System Activity by Patient Mortality/Disposition

The following Report reflects the Location of Trauma Deaths after admission to a Trauma Center. *Data Source: Trauma One*

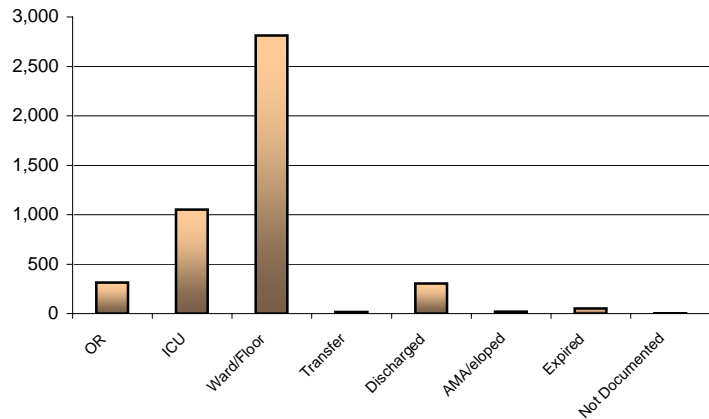
Location of Trauma Deaths		
ICU	60	34%
Trauma	61	34%
OR	29	16%
WARD	2	1%
CT	26	15%
Total	178	100%



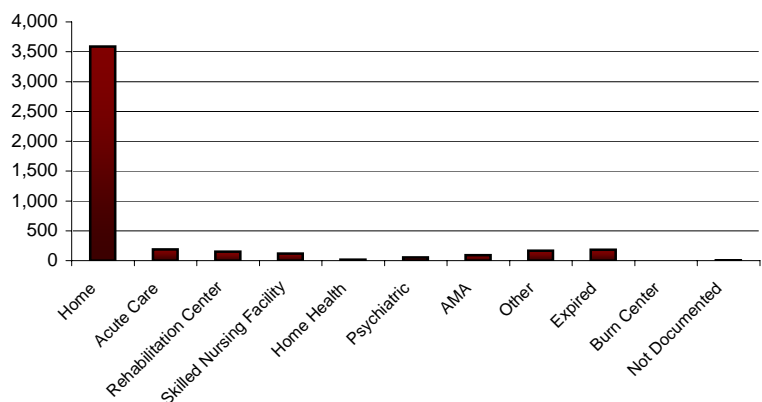
Trauma System Activity by Patient Disposition

The disposition of the patient from the Emergency Department and from the receiving Trauma Center is seen in the following report. *Data Source: Trauma One*

Disposition from Emergency Department		
OR	314	7%
ICU	1,051	23%
Ward/Floor	2,813	62%
Transfer	15	0%
Discharged	303	7%
AMA/eloped	18	0%
Expired	52	1%
Not Documented	2	0%
Total	4,568	100%



Disposition from Hospital		
Home	3,589	79%
Acute Care	190	4%
Rehabilitation Center	151	3%
Skilled Nursing Facility	119	3%
Home Health	17	0%
Psychiatric	55	1%
AMA	90	2%
Other	166	4%
Expired	181	4%
Burn Center	2	0%
Not Documented	8	0%
Total	4,568	100%





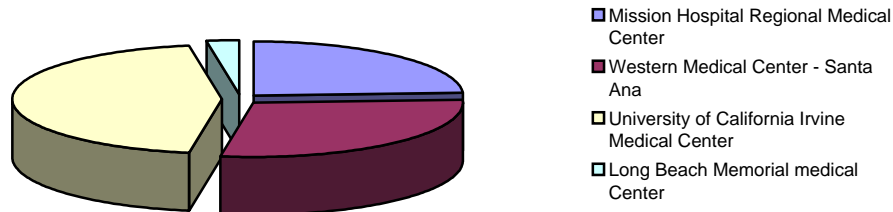
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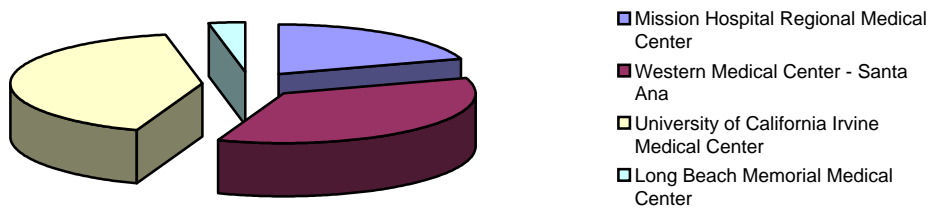
Trauma System Activity Surgical Services

The following information reflects Trauma Center specific information for Time to the OR and use of the OR. *Data Source: Trauma One*

Number to OR within 6 hours per TC	Total Trauma Volume	Number pt. to OR <6 hours	% of Total by TC
Mission Hospital Regional Medical Center	872	127	15%
Western Medical Center - Santa Ana	1,482	150	10%
University of California Irvine Medical Center	2,103	237	11%
Long Beach Memorial medical Center	111	13	12%
Total	4,568	527	12%



Number of Patients with a surgical procedure by TC	Total Trauma Volume	Number of sugical pts	% of Total by TC
Mission Hospital Regional Medical Center	872	217	25%
Western Medical Center - Santa Ana	1,482	381	26%
University of California Irvine Medical Center	2,103	446	21%
Long Beach Memorial Medical Center	111	34	31%
Total	4,578	1,078	24%





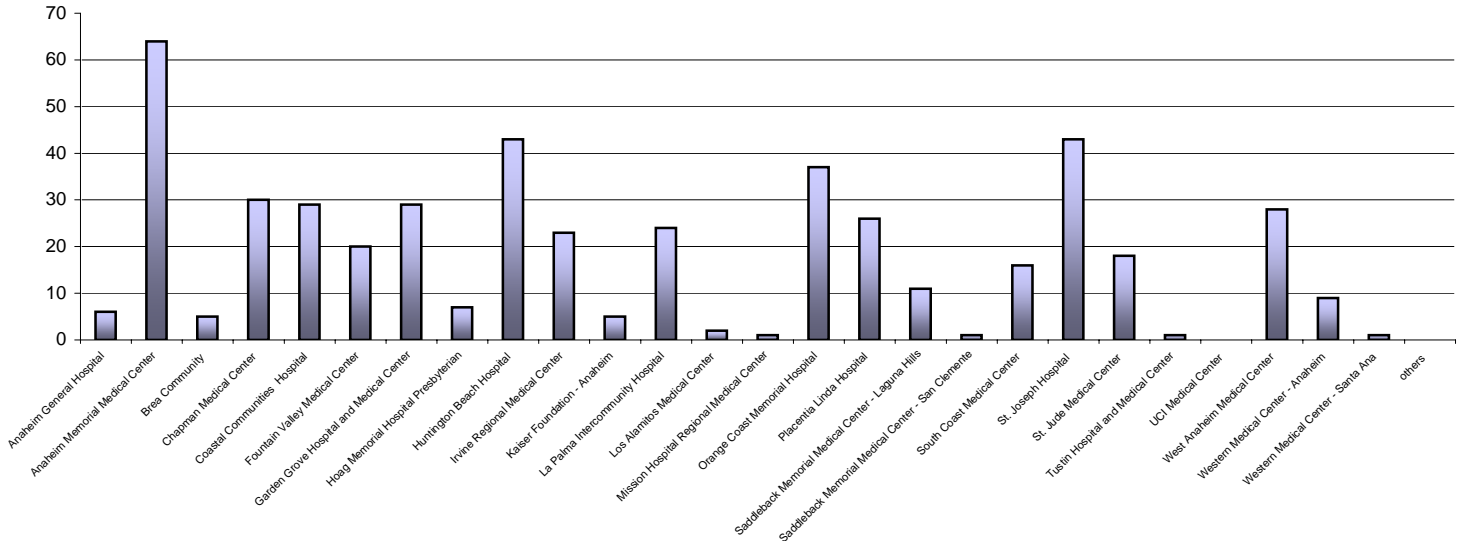
County of Orange
Health Care Agency



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Interfacility Transfers via the 9-1-1 System

This report lists the number of occasions in which paramedic receiving centers accessed the 9-1-1 system to utilize paramedics to monitor and escort patients to another acute care hospital for higher level of care, listed by sending facility and reason for transfer. (See OCEMS policy 670.10.) NOTE: INTERFACILITY TRANSFERS ARE ONLY PERFORMED AFTER THE PATIENT HAS BEEN MEDICALLY EVALUATED AND A PHYSICIAN HAS DETERMINED THAT THE PATIENT REQUIRES A SERVICE NOT AVAILABLE AT THE INITIAL FACILITY. FEDERAL TRANSFER GUIDELINES APPLY.

ID #	Paramedic Receiving Center	Total	%	IFT	CC	neuro-M	neuro-T	trauma	cardiac	vascular	OB	burn	peds	other
01	Anaheim General Hospital	6	1%	6	0	0	2	1	1	0	2	0	0	0
02	Anaheim Memorial Medical Center	64	13%	61	3	17	9	34	0	1	0	0	1	1
3	Brea Community	5	1%	5	0	1	2	1	0	0	0	0	0	1
05	Chapman Medical Center	30	6%	30	0	6	3	9	6	2	2	2	0	0
15	Coastal Communities Hospital	29	6%	29	0	7	5	13	3	0	0	0	0	1
07	Fountain Valley Medical Center	20	4%	19	1	5	2	12	0	0	0	1	0	0
19	Garden Grove Hospital and Medical Center	29	6%	28	1	5	4	17	1	0	0	1	0	1
09	Hoag Memorial Hospital Presbyterian	7	1%	5	2	0	0	6	0	0	0	1	0	0
10	Huntington Beach Hospital	43	9%	37	6	7	3	19	5	0	8	0	0	1
39	Irvine Regional Medical Center	23	5%	23	0	4	7	11	0	0	0	1	0	0
04	Kaiser Foundation - Anaheim	5	1%	5	0	0	0	4	1	0	0	0	0	0
12	La Palma Intercommunity Hospital	24	5%	24	1	15	1	5	1	0	1	0	0	1
13	Los Alamitos Medical Center	2	0%	1	1	0	0	0	1	1	0	0	0	0
17	Mission Hospital Regional Medical Center	1	0%	1	0	1	0	0	0	0	0	0	0	0
38	Orange Coast Memorial Hospital	37	8%	31	6	5	5	19	6	1	0	0	0	1
20	Placentia Linda Hospital	26	5%	24	2	2	7	3	8	4	1	1	0	0
21	Saddleback Memorial Medical Center - Laguna Hills	11	2%	10	1	1	0	9	0	0	0	0	1	0
24	Saddleback Memorial Medical Center - San Clemente	1	0%	1	0	0	0	1	0	0	0	0	0	0
25	South Coast Medical Center	16	3%	14	2	2	4	10	0	0	0	0	0	0
22	St. Joseph Hospital	43	9%	40	3	7	10	8	12	1	3	0	1	1
23	St. Jude Medical Center	18	4%	14	4	1	2	10	4	1	0	0	0	0
26	Tustin Hospital and Medical Center	1	0%	1	0	1	0	0	0	0	0	0	0	0
27	UCI Medical Center	0	0%	0	0	0	0	0	0	0	0	0	0	0
28	West Anaheim Medical Center	28	6%	23	5	9	6	7	0	0	4	0	0	1
30	Western Medical Center - Anaheim	9	2%	8	1	1	1	6	0	0	0	0	0	1
29	Western Medical Center - Santa Ana	1	0%	1	0	1	0	0	0	0	0	0	0	1
	others	0	0%	0	0	0	0	0	0	0	0	0	0	0
Total		479		441	39	98	73	205	49	11	21	7	3	11
Percent		100%		92%	8%	20%	15%	43%	10%	2%	4%	1%	1%	2%





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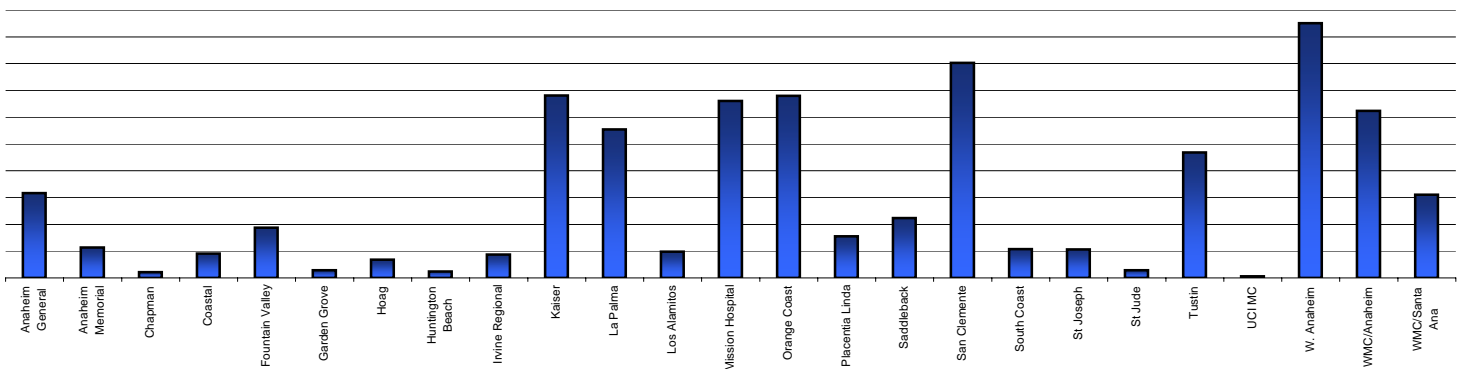
Hospital Diversion: Emergency Department Saturation

This report reflects the total number of hours each paramedic receiving center requested that BLS and ALS ambulances be diverted to another acute care hospital due to Emergency Department Saturation.

(See OCEMS policy 310.96). *Data Source: Reddinet*

NOTE: HOSPITALS COULD STILL RECEIVE BLS / ALS PATIENTS WHILE REQUESTING DIVERSION

PRC	Jan.	Feb.	March	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
1 Anaheim General	46:23:00	23:37:00	35:04:00	65:28:00	18:31:00	21:18:00	48:10:00	22:07:00	47:28:00	14:49:00	8:03:00	81:23:00	432:21:00
2 Anaheim Memorial	7:04:00	30:10:00	2:05:00	5:15:00	0:00:00	0:00:00	7:53:00	1:59:00	0:00:00	7:10:00	9:27:00	84:34:00	155:37:00
3 Brea	20:04:00	31:56:00	0:36:00	Hospital Closed									52:36:00
5 Chapman	19:05:00	8:37:00	10:44:00	13:50:00	11:01:00	4:42:00	0:00:00	1:30:00	7:46:00	19:45:00	15:47:00	15:44:00	128:31:00
15 Coastal	69:21:00	25:52:00	35:24:00	33:17:00	19:05:00	5:25:00	13:21:00	15:24:00	22:45:00	15:57:00	4:59:00	30:12:00	291:02:00
7 Fountain Valley	0:45:00	10:17:00	0:00:00	9:49:00	0:00:00	0:00:00	0:00:00	0:00:00	13:05:00	4:07:00	0:00:00	1:54:00	39:57:00
19 Garden Grove	13:21:00	2:05:00	3:04:00	7:40:00	4:36:00	12:04:00	0:00:00	7:41:00	3:40:00	4:11:00	1:45:00	30:33:00	90:40:00
9 Hoag	0:00:00	15:31:00	12:43:00	7:58:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	6:03:00	42:15:00
10 Huntington Beach	0:42:00	4:54:00	8:30:00	3:52:00	1:57:00	4:49:00	9:04:00	2:04:00	7:45:00	8:58:00	12:15:00	47:26:00	112:16:00
39 Irvine Regional	86:35:00	88:22:00	71:07:00	79:11:00	77:58:00	55:45:00	59:21:00	45:58:00	53:34:00	48:34:00	90:50:00	183:01:00	940:16:00
4 Kaiser	43:11:00	46:40:00	76:34:00	80:43:00	48:53:00	34:14:00	27:37:00	59:51:00	66:26:00	70:00:00	67:58:00	126:47:00	748:54:00
12 La Palma	17:24:00	26:01:00	4:00:00	11:19:00	29:48:00	7:26:00	16:43:00	4:47:00	4:33:00	1:08:00	0:00:00	17:46:00	140:55:00
13 Los Alamitos	58:19:00	72:58:00	36:44:00	55:14:00	72:56:00	59:12:00	59:03:00	65:27:00	61:17:00	82:02:00	80:03:00	173:57:00	877:12:00
17 Mission	132:25:00	141:12:00	52:31:00	104:39:00	79:15:00	15:55:00	27:47:00	57:26:00	44:31:00	43:46:00	71:30:00	207:52:00	978:49:00
38 Orange Coast	0:00:00	19:04:00	12:23:00	19:01:00	10:38:00	13:07:00	9:33:00	10:35:00	6:45:00	23:51:00	14:18:00	14:44:00	201:59:00
20 Placentia-Linda	4:58:00	18:30:00	23:22:00	18:23:00	26:11:00	19:48:00	24:48:00	14:14:00	18:36:00	24:58:00	19:29:00	78:44:00	292:01:00
21 Saddleback	167:18:00	114:44:00	76:14:00	109:09:00	135:47:00	91:52:00	92:37:00	49:47:00	55:26:00	39:44:00	54:01:00	155:44:00	1142:23:00
24 San Clemente	39:20:00	11:42:00	5:18:00	10:12:00	11:04:00	14:26:00	2:16:00	10:44:00	7:52:00	5:44:00	4:00:00	33:59:00	156:37:00
25 South Coast	14:07:00	18:45:00	1:12:00	5:26:00	5:11:00	7:25:00	11:53:00	20:17:00	4:40:00	10:48:00	1:52:00	43:27:00	145:03:00
22 St. Joseph	4:24:00	3:39:00	1:37:00	5:59:00	2:56:00	0:00:00	4:47:00	4:07:00	2:27:00	2:02:00	2:13:00	5:20:00	39:31:00
23 St. Jude	6:13:00	34:56:00	47:00:00	36:06:00	24:25:00	34:56:00	33:27:00	64:50:00	64:56:00	59:01:00	70:46:00	129:24:00	606:00:00
26 Tustin Hospital	0:00:00	1:35:00	0:00:00	1:31:00	3:07:00	2:19:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	0:00:00	8:32:00
27 UCI Med Ctr.	49:02:00	126:40:00	51:57:00	82:51:00	109:24:00	138:36:00	183:47:00	76:10:00	86:28:00	89:27:00	65:02:00	196:03:00	1255:27:00
28 W. Anaheim	79:59:00	88:10:00	64:27:00	74:54:00	40:26:00	40:51:00	85:57:00	43:07:00	27:08:00	47:03:00	44:28:00	228:13:00	864:43:00
30 WestMed/Anaheim	20:43:00	3:44:00	23:29:00	10:57:00	1:01:00	36:24:00	41:18:00	1:11:00	16:07:00	41:11:00	19:48:00	0:58:00	408:51:00
29 WestMed/Santa Ana	73:24:00	60:57:00	43:35:00	45:56:00	32:29:00	29:47:00	35:02:00	15:53:00	22:55:00	18:27:00	25:48:00	59:54:00	464:51:00
Total	900:43:00	993:41:00	656:05:00	876:44:00	758:10:00	620:34:00	759:22:00	627:16:00	623:15:00	664:16:00	658:34:00	2013:48:00	10617:19:00
Median	19:05:00	25:52:00	12:43:00	18:42:00	18:48:00	13:46:30	15:02:00	17:50:30	14:36:00	17:51:00	13:16:30	63:05:00	17:50:45
Mean	36:01:43	39:44:50	26:14:36	36:31:50	31:35:25	25:51:25	31:38:25	26:08:10	25:58:08	27:40:40	27:26:25	83:54:30	408:21:30

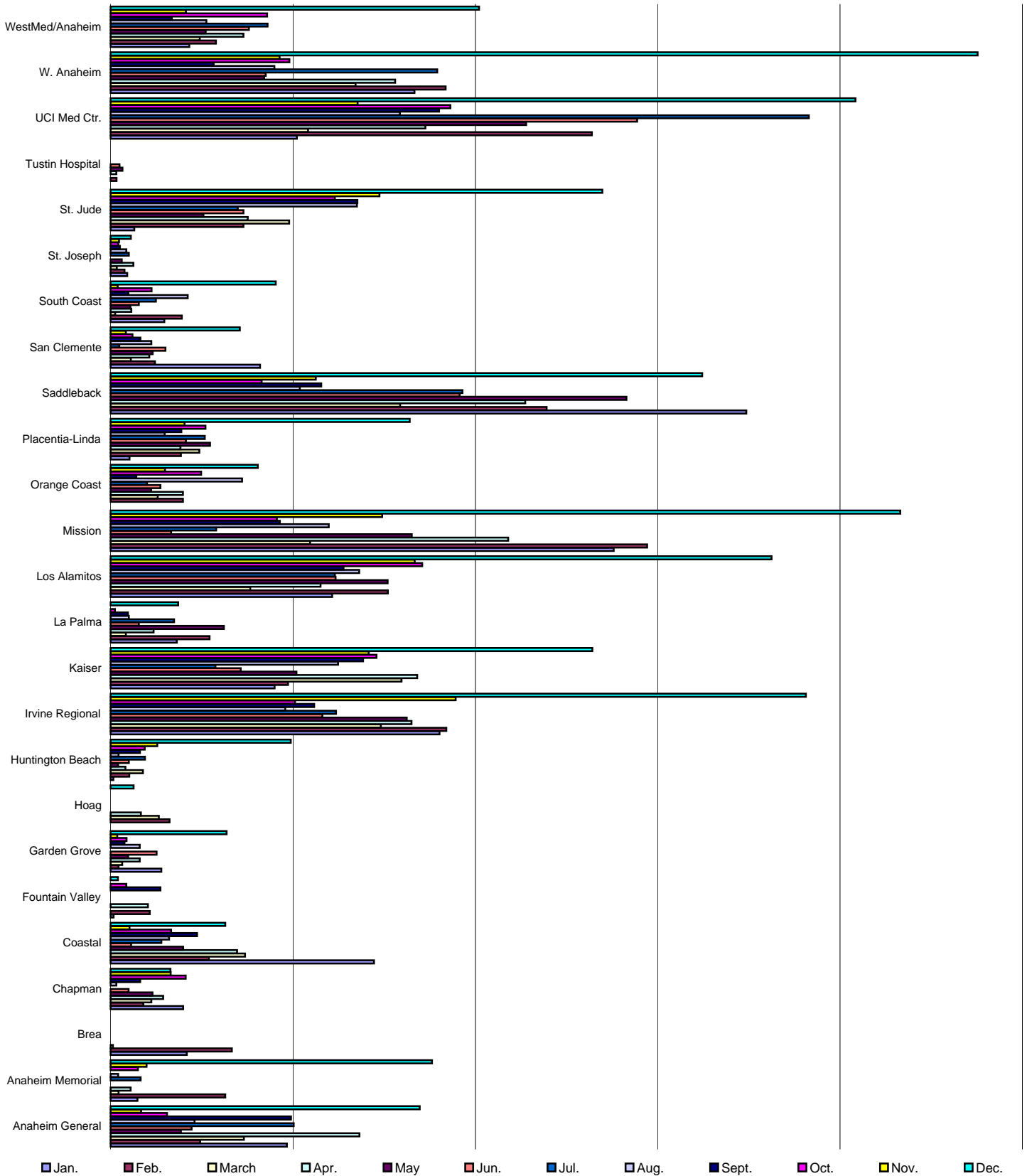




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Hospital Diversion: Emergency Department Saturation - Monthly Totals





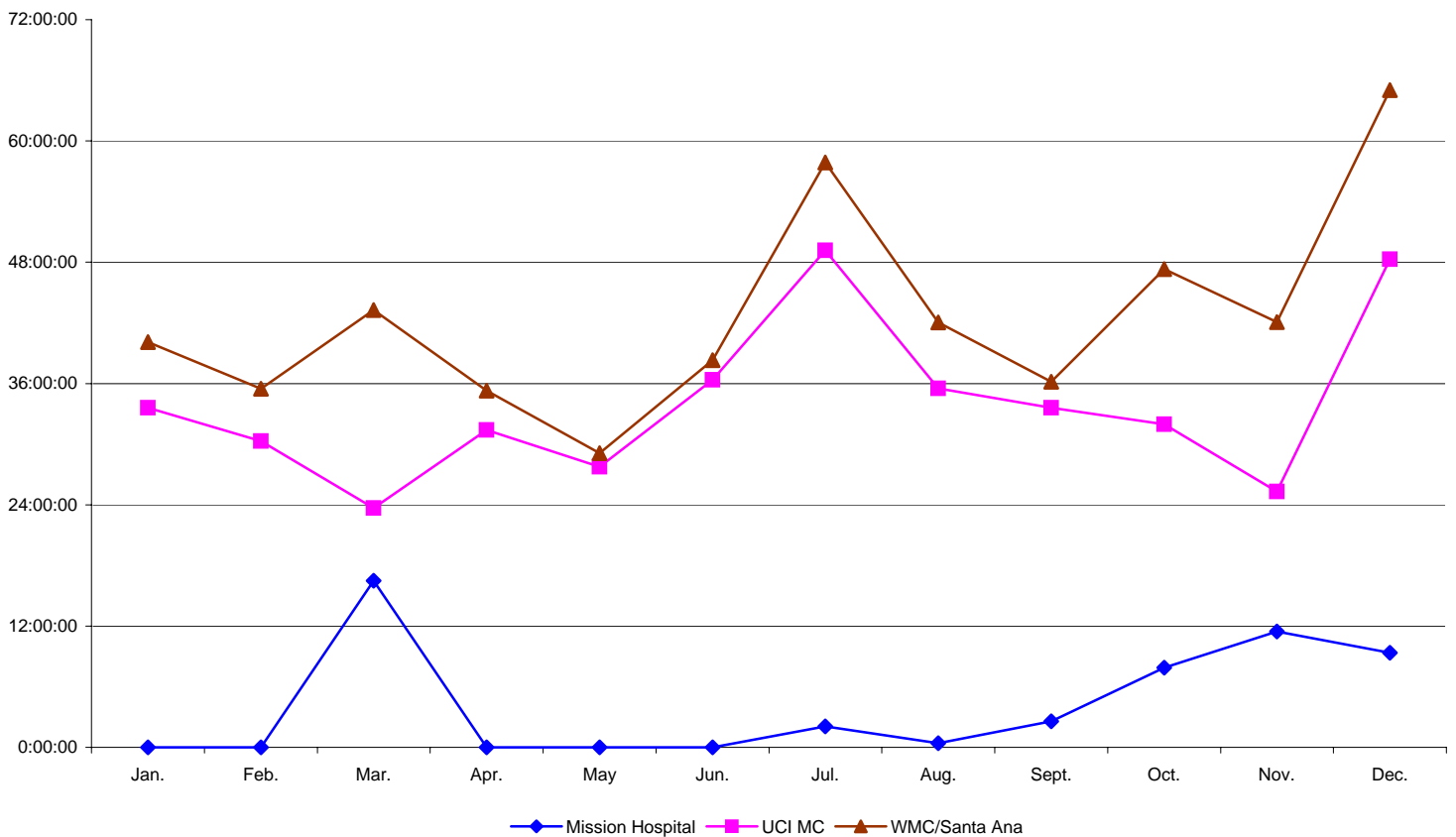
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Hospital Diversion: Trauma Centers (PTRC)

This report reflects the total number of hours each Paramedic Trauma Receiving Center requested that ALS ambulances carrying trauma victims be diverted to another PTRC due to hospital trauma services saturation.
(See OCEMS policy 310.96). *Data Source: Reddinet*

PRC	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sept.	Oct.	Nov.	Dec.	Totals
Mission Hospital	0:00:00	0:00:00	16:29:00	0:00:00	0:00:00	1:58:58:00	2:05:00	0:24:00	2:34:00	7:53:00	11:27:00	9:21:00	50:13:00
UCI MC	33:36:00	30:18:00	23:41:00	31:24:00	27:45:00	36:21:00	49:11:00	35:30:00	33:36:00	31:57:00	25:19:00	48:18:00	406:56:00
WMC/Santa Ana	40:06:00	35:28:00	43:16:00	35:17:00	29:06:00	38:19:00	57:52:00	42:03:00	36:10:00	23:19:00	42:04:00	65:02:00	512:02:00
TOTAL	73:42:00	65:46:00	83:26:00	66:41:00	56:51:00	74:40:00	109:08:00	77:57:00	72:20:00	87:09:00	78:50:00	122:41:00	969:11:00
MEDIAN	33:36:00	30:18:00	23:41:00	31:24:00	27:45:00	37:20:00	49:11:00	35:30:00	33:36:00	31:57:00	25:19:00	48:18:00	406:56:00
MEAN	24:34:00	21:55:20	27:48:40	22:13:40	18:57:00	37:20:00	36:22:40	25:59:00	24:06:40	29:03:00	26:16:40	40:53:40	323:03:40





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Glossary for Central One and Trauma One

- ALS** *Advanced Life Support.* Services designed to provide definitive prehospital emergency medical care, administered by authorized personnel under the direct supervision of a base hospital as part of a local EMS system, at the scene of an emergency, during transport to an acute care hospital, during interfacility transfer, and while in the emergency department of an acute care hospital until responsibility is assumed by the emergency or other medical staff of that hospital.
- AIS** *Abbreviated Injury Scale.* An anatomic severity scoring system in which scores of 1-5 are assigned to each of the following injured regions: head, face, chest, abdomen, extremity, or external.
- Airway Problems** Initial Assessment Codes A___. This category identifies patients with airway problems including croup, epiglottitis, laryngospasm, injuries, aspirated emesis, and obstructions due to a foreign body.
- Air Ambulance** Any aircraft specially constructed, modified or equipped and used for the primary purposes of responding to emergency calls and transporting critically ill or injured patients whose medical flight crew has at a minimum two (2) attendants certified or licensed in advanced life support. (reference: California Code of Regulations, title 22, chapter 8, section 100280)
- Air Rescue Aircraft** An aircraft whose usual function is not prehospital emergency patient transport but which may be utilized, in compliance with local EMS policy, for prehospital emergency patient transport when use of an air or ground ambulance is inappropriate or unavailable.
- ALS No-Contact** ALS interventions which the paramedic can perform in the absence of on-line medical control. (Reference: OCEMS Treatment Guideline I-40.)
- ALS Provider** An agency approved to provide ALS-level care.
- AMA** *Against Medical Advice.* Patient left against the advice of medical staff, but with their knowledge.
- Assault** Includes all instances where the injured patient was a victim of an intentional assault by another person (not animal or machine). An assault is always blunt and may occur with or without the use of a blunt instrument.
- Auto Collision** Includes all collisions where the injured patient was an occupant of an automobile, driver or passenger.
- Base Hospital** A paramedic receiving hospital, staffed with a Mobile Intensive Care Nurse (MICN) and Base Physician and equipped with radio equipment, which provides on-line medical support to assist paramedics in the care of a patient. Provides retrospective medical control through quality improvement activities, and offers training and education to ALS providers.



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Glossary: (Continued)

- BHR** *Base Hospital Report.* A standardized form on which Base Hospital personnel (MICN's) document the assessment and care of patients, including response to treatment, performed by paramedics in the prehospital setting.
- BLS** *Basic Life Support.* Emergency first aid and cardiopulmonary resuscitation procedures to maintain life without invasive techniques until the victim may be transported or until advanced life support is available.
- Bicycle Collision** Includes all collisions where the injured patient was a rider of a bicycle.
- BLS Provider** An agency approved to provide BLS-level care.
- Breathing Problems** Initial Assessment codes B__. This category identifies patients with breathing problems including asthma, emphysema (COPD), congestive heart failure (CHF), pulmonary edema, pneumonia, smoke inhalation, and chest injuries.
- Burn Center** A hospital holding a permit from the California Department of Public Health which is committed to provide specialty care to burn patients.
- Circulatory Problems** Initial Assessment codes C__. This category identifies patients with circulatory-related problems including syncope, anaphylaxis, angina, possible myocardial infarction (R/O MI), internal bleeding (including GI bleeding), aneurysm, dysrhythmia, hypovolemia and cardiogenic shock.
- CSO** *Comprehensive Standing Orders.* An expanded scope of practice in which paramedics can perform ALS interventions in the absence of on-line medical control. Provides additional interventions beyond those included in *ALS no-contact*. (Reference: Treatment Guideline I-40.)
- CTV** *Critical Trauma Victim.* Those patients with obvious, immediate need for paramedic trauma center level care as defined here: A victim of blunt or penetrating trauma, resulting in any of the following physical findings: respirations <12 or >30/minute, pulse <50 or >130/minute, systolic blood pressure <90 (adults) or <70 (pediatric patients); or penetrating injury to the neck, chest or abdomen; or blunt head injury with Glasgow coma score of <12, unequal pupils or focal neurologic deficit; or spinal cord injury with paralysis or paresthesia; or flail chest; or bilateral femur fractures.
- CVRC** *Cardiovascular Receiving Center.* Paramedic Receiving Center Hospital that has been designated by OCEMS to receive Field designated ST Elevation Myocardial Infarction (STEMI) patients.



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Glossary: (Continued)

- Delicate CNS** Initial Assessment codes D__. This category identifies patients with alteration in (central nervous system) neurological status, including seizures (non-febrile), CVA (cerebrovascular accident) or TIA (transient ischemic attack), head trauma, spine injury, alcohol / drug / overdose related problems, anxiety and psychiatric issues.
- Diversion** A request by hospitals to temporarily close to ambulance-transported patients. Permitted reasons are: emergency department resources are totally committed; neuro services unavailable; trauma services unavailable; CT scanner unavailable; an internal problem affecting the physical plant (fire, electrical outage, flooding etc). (Reference: OCEMS Policy #670.10.)
- DOA** Dead On Arrival. The patient has no blood pressure, no respiratory rate, and no heart rate on arrival to the ED. For Orange County, patients with these vital signs are considered dead on arrival regardless of treatments they may have received in the ED.
- Eloped** Patient left against the advice of medical staff and without their knowledge.
- External Soft Tissue** Initial Assessment codes E__. This category identifies patients with injuries including skin wounds, all types of burns, bites or stings, eye injury, and crush injury.
- GI / GU** Initial Assessment codes G__. This category identifies patients with gastrointestinal or genitourinary-related problems, including abdominal pain, flank/groin pain, or injury to either of these two systems.
- GSW** Gun Shot Wound. A penetrating wound caused by a gun shot.
- H.E.A.R.** Hospital Emergency Administrative Radio. Used as an alternate means of communication between hospitals and other EMS system players.
- IFT** Interfacility Transfer. Transport of a patient from one acute care facility to another acute care facility for higher level of care. Can be performed by ambulance with BLS personnel, Critical Care Transport ambulance with a Registered Nurse, or by paramedic by accessing the 9-1-1 system if an immediate need to transport.
- ISS** Injury Severity Score. A scoring tool used to assess the level of injury in a trauma patient. The sum of the squares of the Abbreviated Injury Scale score of the three most severely injured body regions. A higher score indicates a higher severity of injury.
- MICN** Mobile Intensive Care Nurse. A Registered Nurse, who has additional training on EMS protocols and who, in conjunction with the Base Hospital physician, provides on-line medical support to paramedics.
- Mortality Rate** Trauma Deaths reported in the Trauma Registry / Total Trauma patients from the Trauma Registry. Field deaths do not appear in the mortality rate because they never went to a hospital.



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Glossary: (Continued)

MTV	<u>Moderate Trauma Victim</u> . Those patients with potential need for trauma center level-care. Situations or conditions include: mechanism of injury (ejection, falls >15', auto/pedestrian accidents, bicycle or motorcycle crash >20 mph) and other injuries or conditions, including blunt head injury with loss of consciousness >5 minutes, extremes of age, pregnancy >20 weeks, other.
Motorcycle Collision	Includes all collisions where the injured patient was a rider of a motorcycle.
Multiple System Problems	Initial Assessment codes H___. This category identifies patients with problems involving more than one body system, including: hyper- or hypotension, sepsis, hyper- or hypoglycemia, cardiopulmonary arrest, trauma, cancer, allergic reactions, medication reactions, and environmental emergencies.
Other Blunt Mechanism	Any cause of injury that is not penetrating and that is not specifically listed, such as a crush injury, explosion, or other mechanism.
Other Penetrating Mechanism	Any cause of injury that is not blunt, not a GSW or SW caused by a knife. This includes stab-wound-like injuries caused by broken glass, impalements onto sharp objects, and other sharp tools.
OB / GYN	Initial Assessment codes I__ (Obstetrical/Gynecological). This category identifies patients with a pregnancy or gynecological-related problem, including pre-term or normal labor, field delivery, ectopic pregnancy, eclampsia, or sexual assault.
On-line medical control	ALS interventions provided under the direction of a physician. May be accomplished by use of radio communications or cellular phone.
PCR	<u>Prehospital Care Report</u> . A standardized form on which EMS service providers document the assessment and care of patients, including response to treatment, in the prehospital setting.
PRC	<u>Paramedic Receiving Center</u> . A hospital with a permit from the California Department of Public Health for basic or comprehensive emergency services which has been designated as a participant in the EMS system by Orange County EMS (OCEMS).
PTRC	<u>Paramedic Trauma Receiving Center</u> . a.k.a. Trauma Center; A hospital, designated by OCEMS, which is committed to provide specialty care to trauma patients. In general, all patients designated as <i>critical trauma victims</i> and the majority of patients designated as <i>moderate trauma victims</i> will be transported to a trauma receiving center.
Paramedic Resource Hospital	A hospital that provides retrospective medical control through quality improvement activities and offers training and education to ALS providers. A paramedic resource hospital does not have a paramedic radio and therefore cannot provide on-line medical direction to ALS providers.



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Glossary: (Continued)

- Pedestrian Accident** Includes all instances where the injured patient was a pedestrian.
- Pediatric Emergency** Initial Assessment codes J___. This category identifies medical situations of pediatric-age patients (<8 years), including febrile seizure, sudden infant death syndrome (SIDS), normal or distressed newborns, apparent life-threatening events (ALTE), and possible child abuse/neglect.
- Recreation** Includes all instances where the injured patient sustained an injury due to any sports.
- ReddiNet** A computer-based communications system which allows hospitals to share information. Used to post a hospital's open / closed status. Also used during mass casualty incidents for patient assignment and patient tracking.
- Skeletal Injuries** Initial Assessment codes F___. This category identifies injuries to the skeletal system and includes strains and sprains, fractures, dislocations and amputations.
- Stab Wound** A penetrating wound caused by a knife.