

# San Joaquin County Emergency Medical Services Agency



# <u>Memorandum</u>

- TO: All Interested Parties
- FROM: Natisha Plummer, MAcc, EMS Analyst
- DATE: September 18, 2023
- SUBJECT: American Medical Response (AMR) Exclusive Operating Area Ambulance Compliance Report

This EMS Agency Report on the Exclusive Operating Area Zone X and the contract compliance for the Emergency Ambulance Provider American Medical Response (AMR) for the months of July and August 2023, provides an in-depth review of AMR's response time performance. The performance agreement between SJCEMSA and AMR establishes accountability for meeting specific response time standards and provides the SJCEMSA with complete access to data and information on AMR's operational, clinical, and administrative performance.

SJCEMSA reviews each late response correction or exemption to determine if a delay in response is attributable to factors outside of the control of the ambulance service provider. Approved exemption requests are not included in response time compliance calculations for the assessment of fines. SJCEMSA ensures transparency by including in this report response time performance with and without, the application of exemptions for late responses.

While this report provides detailed response time compliance information for each of the six X-Zones, it is important to note that ninety percent (90%) of the urban Red Lights and Siren (RLS) calls, when combining data for all X-Zones, have a response time of nine minutes and thirty-one seconds during the two-month period. This response performance is achieved without considering any late exemption requests.

The complete compliance report for July and August 2023 may be viewed or downloaded from the SJCEMSA website: <u>http://www.sjgov.org/department/ems</u>

Response Time Compliance - Red Lights and Siren (RLS)

	Jul 2023							
Population Density	Total Responses	Non-Compliant Non-Exempted Responses	Compliance Percentage	Com	oliant			
	Con	npliance Calc Incider	nts	Yes	No			
SJ ZONE X-21	399	28	92.98%	Х				
SJ ZONE X-22	195	12	93.85%	X				
SJ ZONE X-23	371	27	92.72%	X				
SJ ZONE X-24	1249	85	93.19%	X				
SJ ZONE X-25	1500	133	91.13%	X				
SJ ZONE X-26	499	33	93.39%	X				
All Zones Combined	4213	318	92.45%					
	* Minimum of 100 respon rolling compliance zones	nses used for calculation	of compliance. See belo	w for calc	ulatior			

			Jul 2023				
Rolling Population Density (with Multiple Months for 100 Call Min)	Rolling Compliance Period From	Rolling Compliance Period Through	Non-Exempted '		Compliance Percentage	Compliant	
	CP Start	CP End	Compliance Calc Incidents			Yes	No
	N/A						
	CP Start = Compliance Perio CP End - Compliance Period		Compliance Calc Incidents = Total Incident Count u compliance calculations			ount used	in

		Jul 202	23			
Population Density	Total Responses	Non-Compliant Non-Exempted Responses	Compliance Percentage	Com	pliant	
	Cor	Compliance Calc Incidents				
SJ ZONE X-21	304	15	95.07%	X		
SJ ZONE X-22	81	2	97.53%			
SJ ZONE X-23	158	8	94.94%	X		
SJ ZONE X-24	867	45	94.81%	X		
SJ ZONE X-25	1010	37	96.34%	X		
SJ ZONE X-26	224	8	96.43%	X		
All Zones Combined	2644	115	95.65%			
	* Minimum of 100 respon rolling compliance zones	nses used for calculation	of compliance. See below	v for calc	ulation	

### Response Time Compliance - No Red Lights and Siren (NRLS)

	Rolling Compliance Zon	es Requiring Multiple Mo	onths to Attain >	100 NRLS Respons	es		
			Jul 2023				
Rolling Population Density (with Multiple Months for 100 Call Min)	Rolling Compliance Period From	Non-Exempted		Compliance Percentage	Comp	liant	
	CP Start	CP End	C	Compliance Calc Incidents		Yes	No
SJ ZONE X-22	Jun 2023	Jul 2023	144	4	97.22%	Х	
	CP Start = Compliance Perio CP End - Compliance Period			Compliance Calc Incid compliance calculatior	ents = Total Incident Cou Is	ınt used	in

	Response Time Com	pliance - Red Lights	and Siren (RLS)					
	Aug 2023							
Population Density	Total Responses	Non-Compliant Non-Exempted Responses	Compliance Percentage	Com	pliant			
	Con	npliance Calc Incide	nts	Yes	No			
SJ ZONE X-21	418	26	93.78%	X				
SJ ZONE X-22	188	20	89.36%		X			
SJ ZONE X-23	341	32	90.62%	X				
SJ ZONE X-24	1244	119	90.43%	X				
SJ ZONE X-25	1473	135	90.84%	X				
SJ ZONE X-26	580	44	92.41%	X				
All Zones Combined	4244	376	91.14%					
	* Minimum of 100 respon rolling compliance zones		of compliance. See below	w for calc	ulation			

	Rolling Compliance Zon	ng Compliance Zones Requiring Multiple Months to Attain > 100 RLS Responses						
			Aug 2023					
Rolling Population Density (with Multiple Months for 100 Call Min)	Rolling Compliance Period From	Rolling Compliance Period Through	Total Non-Compliant Compliance Responses Responses		•	Comp	liant	
	CP Start	CP End	(	Compliance Calc Inci	dents	Yes	No	
	CP Start = Compliance Perio CP End - Compliance Period		Compliance Calc Incide compliance calculations		ount used	in		

	Aug 2023							
Population Density	Total Responses	Non-Compliant Non-Exempted Responses	Compliance Percentage	Com	plia			
	Con	npliance Calc Incide	nts	Yes	N			
SJ ZONE X-21	286	21	92.66%	X				
SJ ZONE X-22	84	4	95.24%		•			
SJ ZONE X-23	146	8	94.52%	X				
SJ ZONE X-24	879	83	90.56%	X				
SJ ZONE X-25	886	43	95.15%	X				
SJ ZONE X-26	249	11	95.58%	X				
All Zones Combined	2530	170	93.28%					

	Rolling Compliance Zon	es Requiring Multiple Mc	le Months to Attain > 100 NRLS Responses Aug 2023				
Rolling Population Density (with Multiple Months for 100 Call Min)	Rolling Compliance Period From	Rolling Compliance Period Through	Non-Compliant			Comp	liant
	CP Start	CP End	C	Compliance Calc Inc	idents	Yes	No
SJ ZONE X-22	Aug 2023	Aug 2023	84	4	95.24%		
	CP Start = Compliance Period Start Date CP End - Compliance Period End Date			Compliance Calc Incid compliance calculatior	ents = Total Incident Con ns	unt used	in

	Response Time	esponse Time Compliance Report - Interfacility Transfer (IFT)								
					Jul 2023					
Rolling Population Density (with Multiple Months for 100 Call Min)	Current Month Total	Rolling Total	Rolling Total Period From	Rolling Total Period Through	Non-Compliant Non-Exempted Responses Compliance Percentage Compli			liant		
Priority	Compliance Calc Incidents	CP Responses	CP Start	CP End	Compliance C	Calc Incidents	Yes	No		
IFT ALS	420	420	Jul 2023	Jul 2023	72	82.86%		X		
IFT CCT	32	32	Jul 2023		19	40.63%				

	Response Time Compliance Report - Interfacility Transfer (IFT)								
						Aug 2023			
Rolling Population Density (with Multiple Months for 100 Call Min)	Current Month Total	Rolling Total Compliance		Rolling Compliance Period Through	Non-Compliant Non-Exempted Responses	Compliance Percentage	Compl		
Priority	Compliance Calc Incidents	CP Responses	CP Start	CP End	Compliance (	ce Calc Incidents		No	
IFT ALS	466	466	Aug 2023	Aug 2023	51	89.06%		X	
IFT CCT	42	74	Jul 2023		40	45.95%			
		ance Period Start D nce Period End Date			Compliance Calc Incide compliance calculation	ents = Total Incident Cou Is	ınt used	in	

Fines and Penalties Report		
Type of Penalty	Jul 2023	Aug 2023
Out of compliance response zones	N/A	\$5,000
Code 2 and Code 3 Late response minutes	\$4,390	\$9,520
ALS IFT or CCT-IFT Late response minutes	\$35,800	\$28,000
Out of compliance monthly response ALS-IFT or CCT-IFT	\$5,000	\$1,000
Failure to provide data	N/A	N/A
Preventable mechanical failure	N/A	N/A
Failure to meet staffing and clinical standards	N/A	N/A
Failure to Respond	N/A	N/A
Failure to submit documentation at hospital	N/A	N/A
Other minor breach	N/A	N/A
Totals	\$45,190	\$43,520

Detaile	d Response Time Analys	sis without Exempti	ons Applied - RLS		
		lul 2023			
Population Density	Responses	Response Time Interval Maximum	Response Time Interval Mean	Std Deviation	Response Time Interval 90th Percentile
SJ ZONE X-21 URBAN	399	26:16	05:35	02:53	08:29
SJ ZONE X-22 URBAN	73	15:52	06:54	02:51	10:37
SJ ZONE X-23 URBAN	241	25:07	06:18	03:23	10:40
SJ ZONE X-24 URBAN	1249	26:22	06:00	02:45	09:21
SJ ZONE X-25 URBAN	1499	21:55	05:57	02:37	09:07
SJ ZONE X-26 URBAN	383	27:35	06:06	04:03	10:59
SJ ZONE X-22 SUBURBAN	19	12:55	08:12	02:06	10:58
SJ ZONE X-23 SUBURBAN	54	18:41	07:47	03:52	12:37
SJ ZONE X-26 SUBURBAN	26	15:17	07:06	03:17	11:48
SJ ZONE X-26 SUBURBAN-MODERATE	27	23:25	12:02	04:01	15:28
SJ ZONE X-22 RURAL	83	48:58	11:40	06:01	16:43
SJ ZONE X-23 RURAL	76	26:17	11:05	05:19	17:16
SJ ZONE X-25 RURAL	1	13:21	13:21	00:00	13:21
SJ ZONE X-26 RURAL	60	22:42	11:33	05:12	18:47
SJ ZONE X-22 WILDERNESS	20	22:34	14:36	06:28	22:30
SJ ZONE X-26 WILDERNESS	3	23:10	18:45	05:40	22:41
All Urban Compliance Areas	3844	27:35	05:59	02:55	09:20
All Suburban Compliance Areas	99	18:41	07:41	03:26	12:27
All Suburban-Moderate Compliance Areas	27	23:25	12:02	04:01	15:28
All Rural Compliance Areas	220	48:58	11:27	05:32	18:04
All Wilderness Compliance Areas	23	23:10	15:09	06:25	22:30
Total Responses	4213				

	J	Iul 2023			
Population Density	Responses	Response Time Interval Maximum	Response Time Interval Mean	Std Deviation	Response Time Interval 90th Percentile
SJ ZONE X-21 URBAN	304	47:52	11:06	07:36	20:58
SJ ZONE X-22 URBAN	40	30:36	10:23	06:48	19:58
SJ ZONE X-23 URBAN	110	29:52	10:24	05:51	18:31
SJ ZONE X-24 URBAN	867	71:48	11:08	07:28	18:30
SJ ZONE X-25 URBAN	1010	61:32	09:41	05:21	15:08
SJ ZONE X-26 URBAN	172	58:03	10:19	08:59	21:48
SJ ZONE X-22 SUBURBAN	8	14:14	09:26	03:05	13:43
SJ ZONE X-23 SUBURBAN	17	24:42	11:04	04:39	16:08
SJ ZONE X-26 SUBURBAN	7	17:42	11:49	04:35	17:36
SJ ZONE X-26 SUBURBAN-MODERATE	17	30:42	17:56	05:25	23:03
SJ ZONE X-22 RURAL	31	33:32	15:04	07:20	24:34
SJ ZONE X-23 RURAL	31	32:22	14:16	06:05	21:12
SJ ZONE X-25 RURAL		00:00	00:00	00:00	00:00
SJ ZONE X-26 RURAL	25	33:18	17:11	08:10	30:29
SJ ZONE X-22 WILDERNESS	2	31:33	27:44	05:23	30:47
SJ ZONE X-26 WILDERNESS	3	26:53	22:01	06:32	26:25
All Urban Compliance Areas	2503	71:48	10:27	06:47	17:59
All Suburban Compliance Areas	32	24:42	10:49	04:15	16:33
All Suburban-Moderate Compliance Areas	17	30:42	17:56	05:25	23:03
All Rural Compliance Areas	87	33:32	15:23	07:11	23:30
All Wilderness Compliance Areas	5	31:33	24:18	06:12	29:41
Total Responses	2644				

Detaile	d Response Time Analys		ons Applied - RLS				
Aug 2023							
Population Density	Responses	Response Time Interval Maximum	Response Time Interval Mean	Std Deviation	Response Time Interval 90th Percentile		
SJ ZONE X-21 URBAN	418	59:36	05:55	04:12	09:05		
SJ ZONE X-22 URBAN	82	12:44	06:23	02:32	09:48		
SJ ZONE X-23 URBAN	234	23:16	06:14	03:10	09:56		
SJ ZONE X-24 URBAN	1244	25:51	06:11	02:55	09:51		
SJ ZONE X-25 URBAN	1473	29:22	06:13	02:56	09:35		
SJ ZONE X-26 URBAN	419	28:12	05:53	03:50	10:19		
SJ ZONE X-22 SUBURBAN	19	16:14	09:13	02:44	12:41		
SJ ZONE X-23 SUBURBAN	38	16:57	07:25	03:22	12:06		
SJ ZONE X-26 SUBURBAN	40	11:26	06:42	02:22	09:20		
SJ ZONE X-26 SUBURBAN-MODERATE	41	23:59	12:56	05:05	19:02		
SJ ZONE X-22 RURAL	74	23:26	12:26	05:10	19:55		
SJ ZONE X-23 RURAL	69	24:34	11:36	04:39	18:13		
SJ ZONE X-25 RURAL		00:00	00:00	00:00	00:00		
SJ ZONE X-26 RURAL	76	23:21	12:52	04:47	19:36		
SJ ZONE X-22 WILDERNESS	13	30:03	15:08	06:18	21:46		
SJ ZONE X-26 WILDERNESS	4	28:48	16:18	12:20	27:02		
All Urban Compliance Areas	3870	59:36	06:08	03:12	09:42		
All Suburban Compliance Areas	97	16:57	07:28	02:59	11:34		
All Suburban-Moderate Compliance Areas	41	23:59	12:56	05:05	19:02		
All Rural Compliance Areas	219	24:34	12:19	04:53	19:14		
All Wilderness Compliance Areas	17	30:03	15:24	07:39	25:16		
Total Responses	4244						

Detailed	d Response Time Analys	is without Exemptio	ns Applied - NRLS					
Aug 2023								
Population Density	Responses	Response Time Interval Maximum	Response Time Interval Mean	Std Deviation	Response Time Interval 90th Percentile			
SJ ZONE X-21 URBAN	286	71:03	12:05	09:29	22:41			
SJ ZONE X-22 URBAN	48	25:18	10:34	04:31	16:35			
SJ ZONE X-23 URBAN	103	35:05	10:42	05:52	16:33			
SJ ZONE X-24 URBAN	879	77:41	12:03	07:30	19:15			
SJ ZONE X-25 URBAN	886	62:46	10:40	06:12	16:40			
SJ ZONE X-26 URBAN	192	69:04	10:23	08:09	18:42			
SJ ZONE X-22 SUBURBAN	8	15:53	11:12	02:06	13:01			
SJ ZONE X-23 SUBURBAN	18	17:49	12:44	02:29	15:29			
SJ ZONE X-26 SUBURBAN	9	16:26	08:56	05:05	14:22			
SJ ZONE X-26 SUBURBAN-MODERATE	22	28:31	14:23	06:53	21:11			
SJ ZONE X-22 RURAL	24	38:55	17:01	08:25	26:29			
SJ ZONE X-23 RURAL	25	36:55	15:57	07:55	28:13			
SJ ZONE X-25 RURAL		00:00	00:00	00:00	00:00			
SJ ZONE X-26 RURAL	25	34:22	17:22	07:46	30:17			
SJ ZONE X-22 WILDERNESS	4	28:57	22:51	04:35	27:21			
SJ ZONE X-26 WILDERNESS	1	14:02	14:02	00:00	14:02			
All Urban Compliance Areas	2394	77:41	11:19	07:18	18:41			
All Suburban Compliance Areas	35	17:49	11:24	03:33	15:25			
All Suburban-Moderate Compliance Areas	22	28:31	14:23	06:53	21:11			
All Rural Compliance Areas	74	38:55	16:47	07:57	28:06			
All Wilderness Compliance Areas	5	28:57	21:05	05:36	26:49			
Total Responses	2530							

### Comparison of Compliance with and without Exemptions - RLS

		Jul 2023				
Population Density	Total Responses	Number of Late Calls Prior to Exemptions	Compliance Prior to Exemptions	Total Responses Adjusted	Number of Late Calls After Exemptions Approved	Compliance After Exemptions
SJ ZONE X-21	399	84	78.95%	399	28	92.98%
SJ ZONE X-22	195	41	78.97%	195	12	93.85%
SJ ZONE X-23	371	91	75.47%	371	27	92.72%
SJ ZONE X-24	1249	295	76.38%	1249	85	93.19%
SJ ZONE X-25	1500	348	76.80%	1500	133	91.13%
SJ ZONE X-26	499	106	78.76%	499	33	93.39%
All Zones Combined	4213	965	77.09%	4213	318	92.45%

### Comparison of Compliance with and without Exemptions - NRLS

		Jul 2023				
Population Density	Total Responses	Number of Late Calls Prior to Exemptions	Compliance Prior to Exemptions	Total Responses Adjusted	Number of Late Calls After Exemptions Approved	Compliance After Exemptions
SJ ZONE X-21	304	37	87.83%	304	15	95.07%
SJ ZONE X-22	81	8	90.12%	81	2	97.53%
SJ ZONE X-23	158	30	81.01%	158	8	94.94%
SJ ZONE X-24	867	130	85.01%	867	45	94.81%
SJ ZONE X-25	1010	95	90.59%	1010	37	96.34%
SJ ZONE X-26	224	20	91.07%	224	8	96.43%
All Zones Combined	2644	320	87.90%	2644	115	95.65%

### Comparison of Compliance with and without Exemptions - RLS

Number of Late Calls Prior to				
Exemptions	Compliance Prior to Exemptions	Total Responses Adjusted	Number of Late Calls After Exemptions Approved	Compliance After Exemptions
75	82.06%	418	26	93.78%
47	75.00%	188	20	89.36%
94	72.43%	341	32	90.62%
323	74.04%	1244	119	90.43%
401	72.78%	1473	135	90.84%
116	80.00%	580	44	92.41%
1056	75.12%	4244	376	91.14%
				105675.12%4244376onses required for calculation. True compliance shown in rolling compliance zone table

### Comparison of Compliance with and without Exemptions - NRLS

		Aug 2023					
Population Density	Total Responses	Number of Late Calls Prior to Exemptions	Compliance Prior to Exemptions	Total Responses Adjusted	Number of Late Calls After Exemptions Approved	Compliance After Exemptions	
SJ ZONE X-21	286	47	83.57%	286	21	92.66%	
SJ ZONE X-22	84	11	86.90%	84	4	95.24%	
SJ ZONE X-23	146	21	85.62%	146	8	94.52%	
SJ ZONE X-24	879	181	79.41%	879	83	90.56%	
SJ ZONE X-25	886	90	89.84%	886	43	95.15%	
SJ ZONE X-26	249	30	87.95%	249	11	95.58%	
All Zones Combined	2530	380	84.98%	2530	170	93.28%	
	* Minimum of 100 res	ponses required for ca	alculation. True compl	iance shown in rolling	compliance zone table	es.	

### Comparison of Compliance with and without Exemptions - IFT

	Jul 2023					
Interfacility Transfers	Total Responses	Number of Late Calls Prior to Exemptions	Compliance Prior to Exemptions	Total Responses Adjusted	Number of Late Calls After Exemptions Approved	Compliance After Exemptions
IFT ALS	420	143	65.95%	420	72	82.86%
IFT CCT	32	23	28.13%	32	19	40.63%

### Comparison of Compliance with and without Exemptions - IFT

	Aug 2023					
Interfacility Transfers	Total Responses	Number of Late Calls Prior to Exemptions	Compliance Prior to Exemptions	Total Responses Adjusted	Number of Late Calls After Exemptions Approved	Compliance After Exemptions
IFT ALS	466	117	74.89%	466	51	89.06%
IFT CCT	42	26	38.10%	42	21	50.00%

Exemption Request Reports						
	Jul 2	023	Aug 2023			
Types of Exemptions	Exemptions Approved	Exemptions Denied	Exemptions Approved	Exemptions Denied		
Delays in transferring care in the emergency department	672	7	696			
Material change in dispatch location after the initial dispatch is recorded as dispatched	1	0	2			
Other – Good cause	104	2	105			
Unavoidable delay caused by unreported road construction	1	0	2			

Zone Assist		
Population Density	Jul 2023	
Population Density	Ambulance Service Provider	#
SJ ZONE X-21		0
SJ ZONE X-22		0
SJ ZONE X-23	Manteca	10
SJ ZONE X-24	Manteca	2
SJ ZONE X-25	Manteca	15
SJ ZONE X-26	Manteca	35

Zone Assist					
Population Density	Aug 2023				
Population Density	Ambulance Service Provider	#			
SJ ZONE X-21	Manteca	1			
SJ ZONE X-22		0			
SJ ZONE X-23	Manteca	23			
SJ ZONE X-24	Manteca	2			
SJ ZONE X-25	Manteca	20			
	Ripon	1			
SJ ZONE X-26	Manteca	47			

Out of County Mutual Aid					
Date	Location	Ambulance Service Provider	Dispatch Determinant		
08/11/2023	OAKLAND	AMR San Joaquin	04A01A- Assault/Sexual Assault		

Failure to Provide Data				
Event Type	Jul 2023	Aug 2023		
N/A				

Mechanical Report				
Event Type	Date	Preventable		
N/A				