YOUR TOMORROW IS IN YOUR HANDS TODAY!



The AAA is fighting for you!



Understanding Deployment Strategies for the EMS Marketer to Control Unit Hour Costs

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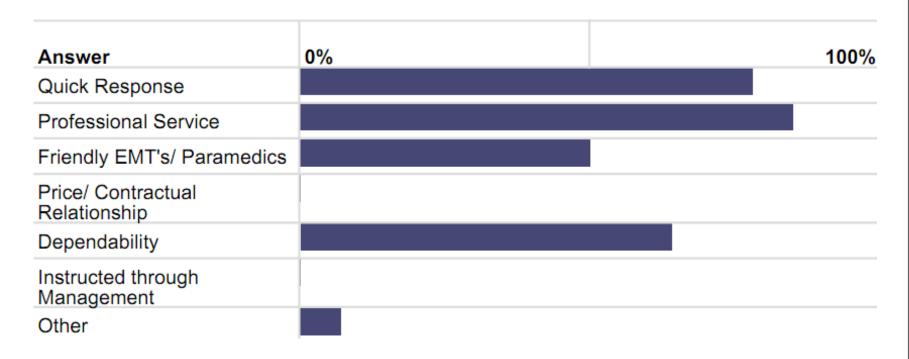
FACT: Marketers want more ambulances to meet the customer's needs. How do we justify requesting

MORE.... RESOURCES?



What's Most Important to Customers?

* What is your top 3 criterion, when calling for an Ambulance? (select 3)





Deployment Management is an Art & Science of Balancing Supply and Demand





Goal/Objectives

Goal: To enable EMS Marketing Professionals to work with Operations to control

Unit Hour Costs.

Objectives:

By the end of the session, participants will

- understand basic deployment strategies.
- understand unit hour cost and how increased/decreased transports affect the financial statement.
- be able to describe factors that influence the production of unit hours and how they affect marketing efforts.
- understand their marketing role in managing unit hour production and meeting customer needs.



Why do we loose accounts/opportunities?

- On-time performance (OTP) issues,
- Not enough ambulances available to respond to the request,
- Inter-Facility Transport (IFT) calls are "bumped" for the 911 call,
- Customer Service issues with Communications Centers and Field Staff,
- Competition offers more/better service(s),
- No Relationship



A great Deployment Strategy requires a balancing act centered on the simultaneous delivery of:

- Response time performance
- Clinical sophistication
- Customer satisfaction
- Economic efficiency



NEGATIVE IMPACTS OF <u>"BAD"</u> <u>Deployment Practices</u>

- Poor response time performance
- Loss of call volume
- Increased costs resulting from inefficient operations
- Poor employee morale



Basic Principles Of Deployment Management



System Status Plan (SSP)

A system status plan is a guideline used to deploy the number of units by hour of day and day of week in order to meet response time requirements and customer demand.



The Unit Hour

A "unit hour" is defined as a fully operational ambulance in operation for one hour.



How Much Does the UH Cost?

Total Expenses/Total UHs = Cost per UH





	Detailed Income States					
	For the Period Ending C	October				
		Month to Date				
	Oct 05 Fiscal Year	Oct 05 Fiscal Year	Actual vs			
	Actual	Budget	Budget \$	%		
Net Transportation Revenue	1,413	1,185	228	19%	Tx	4,600
Net Revenue	1,464	1,218	246	20.18%	UHU	13,721
Salaries	622	580	42	7.25%	Cost/Tx	268
Benefits	122	109	13	12.38%	Cost/UH	90
Total Compensation	744	688	55	8.06%	Cost/CII	7
Total Compensation	/44	000	33	0.00 /0	UHU	0.34
Vehicle Operating Costs	77	71	6	8%		0.0
Medical Supplies	42	48	(6)	-13%		
Insurance	128	121	7	6%	Rev/Tx	318
Telecommunications	20	16	4	26%	Rev/UH	107
Occupancy	29	27	2	9%		
Other Operating Expenses	15	8	7	85%		
External Services	-	-	-	0%		
Professional Fees	6	6	O	-5%		
G&A Expenses	9	15	(6)	-41%		
Allocations						
Regional Overhead Allocations	147	118	29	25%		
Regional OH-PBS	89	74	15	20%		
Locational Overhead Allocations	17	7	10	146%		
Overhead Allocations	163	124	39	32%		
Operating Expenses	1,233	1,125	108	10%		
FBITDA	231	93	138	148%		
Depreciation	57	45	12	26%		
EFO	174	48	126	264%		



If an ambulance is not available, it is called a

LOST UNIT HOUR!



Why a unit may not be available:

- Start-of-shift/end-of-shift
- Vehicle problems
- Crew delays
- Equipment problems



Demand Analysis

Demand

. . . is the total number of requests for service in the primary marketplace in a specified time period.

Demand Analysis

. . . is the study of calls by day of week and hour of day to determine the number of resources to staff and when.



Sample Demand Analysis

Period of Study: 21 Weeks

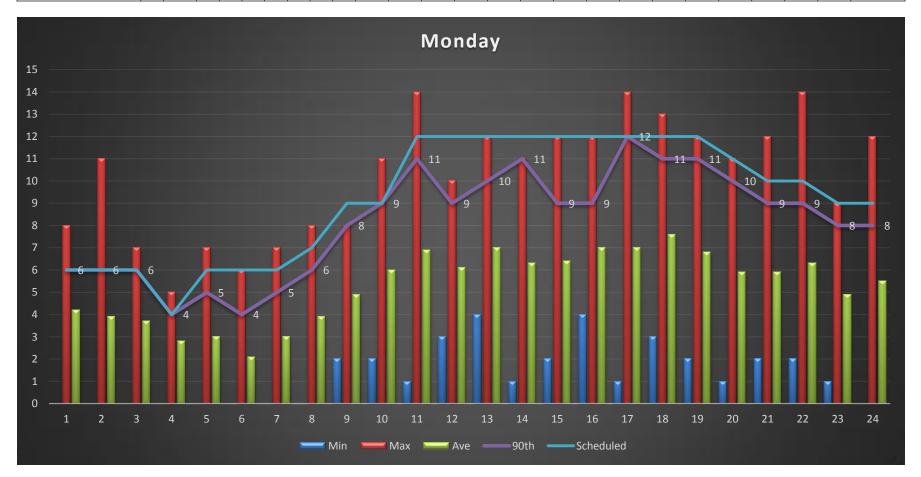
DATE	DAY	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
7/4/1994	Monday	6	2	7	4	7	2	2	5	5	5	5	4	5	5	9	5	5	13	8	10	9	11	4	4	142
7/11/1994	Monday	4	6	1	4	1	3	1	5	3	2	4	7	7	7	9	4	10	10	5	9	6	4	2	6	120
7/18/1994	Monday	6	2	1	4	3	3	1	4	3	4	9	10	5	5	6	7	3	11	7	3	3	7	6	5	118
7/25/1994	Monday	4	1	7	4	4	6	2	4	4	2	10-	9	7	11	6	12	8	5	10	5	8	5	7	11	142
8/1/1994	Monday	4	6	5	2	1	2	4	3	8	9	9	5	5	6	7	5	4	3	2	11	9	8	6	6	130
8/8/1994	Monday	5	4	4	2	3	2	3	2	6	11	6	7	9	8	6	5	1	5	4	1	12	9	3	7	125
8/15/1994	Monday	3	6	5	3	3	1	6	8	2	5	8	5	7	9	6	5	7	8	11	4	5	14	9	12	152
8/22/1994	Monday	2	3	3	5	3	0	3	6	5	6	10	8	10	4	3	8	3	6	3	8	4	4	2	6	115
8/29/1994	Monday	5	5	3	2	4	3	7	4	3	6	7	5	4	8	7	8	8	7	4	10	4	8	6	5	133
9/5/1994	Monday	4	11	6	4	5	2	4	4	4	7	3	3	6	2	7	5	12	8	12	4	5	5	3	7	133
9/12/1994	Monday	3	3	6	2	2	5	2	5	4	10	11	7	7	9	7	9	12	10	6	5	6	3	4	0	138
9/19/1994	Monday	1	5	1	3	2	3	2	3	4	4	3	10	8	4	6	6	8	8	6	2	6	6	7	6	114
9/26/1994	Monday	6	6	1	1	0	0	5	4	8	7	14	3	12	7	5	8	10	6	4	7	3	6	4	7	134
10/3/1994	Monday	4	7	5	4	2	2	1	0	3	8	12	5	10	11	12	8	9	12	10	6	5	8	8	2	154
10/10/1994	Monday	5	3	3	1	3	1	4	1	6	4	9	3	5	8	7	7	6	7	6	8	2	4	6	1	110
10/17/1994	Monday	0	0	0	0	0	0	5	3	7	6	2	3	7	4	5	9	7	6	12	3	4	6	4	8	101
10/24/1994	Monday	8	3	4	0	5	3	3	4	5	7	5	6	6	1	4	5	5	8	5	3	6	7	3	3	109
10/31/1994	Monday	5	2	5	4	4	0	3	6	8	8	1	8	10	4	6	12	14	5	6	7	12	8	9	7	154
11/7/1994	Monday	5	3	5	3	4	1	3	4	4	7	8	9	6	11	10	6	6	11	5	5	7	3	5	4	135
11/14/1994	Monday	7	1	2	3	4	2	1	3	8	3	4	8	7	4	4	8	6	7	8	8	4	2	3	5	112
11/21/1994	Monday	2	3	3	4	2	4	0	3	3	6	1	3	5	4	2	5	4	4	8	4	4	5	1	4	84
Total	Responses	89	82	77	59	62	45	62	81	103	127	131	128	148	132	134	147	148	160	142	123	124	133	102	116	2655
	Average	4.2	3.9	3.7	2.8	3	2.1	3	3.9	4.9	6	6.6	6.1	7	6.3	6.4	7	7	7.6	6.8	5.9		6.3		5.5	126.43
	Minimum	0	0	0	0	0	0	0	0	2	2	1	3	4	1	2	4	1	3	2	1	2	2	1	0	84
	Maximum	8	11	7	5	7	6	7	8	8	11	14	10	12	11	12	12	14	13	12	11	12	14	9	12	154
																			-							-
90tl	n Percentile	6	6	6	4	5	4	5	6	8	9	11	9	10	11	9	9	12	11	11	10	9	9	8	8	152
Unit Ho	urs Needed	6	6	6	4	5	4	5	6	8	9	11	9	10	11	9	9	12	11	11	10	9	9	8	8	196



							•	тот	AL [DEM	IANI) for	· 7 D	AY F	PER	IOD									
HOUR ==>	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	TOTAL
Sunday	11	10	8	8	7	6	6	7	8	10	11	9	10	11	11	11	10	12	12	11	10	12	13	11	235
Monday	6	6	6	4	5	4	5	6	8	9	11	9	10	11	9	9	12	11	11	10	9	9	8	8	196
Tuesday	8	8	8	7	8	6	6	7	11	12	10	10	12	10	11	12	12	12	11	13	10	11	11	11	237
Wednesday	8	10	8	7	6	6	6	7	9	10	10	11	10	12	11	12	11	11	11	12	12	12	9	9	230
Thursday	9	8	9	7	6	6	6	7	10	11	11	12	12	12	11	11	13	10	11	10	11	11	10	10	234
Friday	8	9	8	8	6	6	7	8	9	9	11	11	10	12	13	11	12	13	12	12	11	11	11	10	238
Saturday	12	8	8	8	7	6	6	8	7	9	9	10	10	9	11	10	13	11	11	12	10	11	12	10	228
																									1598



Min	0	0	0	0	0	0	0	0	2	2	1	3	4	1	2	4	1	3	2	1	2	2	1	0	26
Max	8	11	7	5	7	6	7	8	8	11	14	10	12	11	12	12	14	13	12	11	12	14	9	12	53
Ave	4	4	4	3	3	2	3	4	5	6	7	6	7	6	6	7	7	8	7	6	6	6	5	6	45
90th	6	6	6	4	5	4	5	6	8	9	11	9	10	11	9	9	12	11	11	10	9	9	8	8	52
Scheduled	6	6	6	4	6	6	6	7	9	9	12	12	12	12	12	12	12	12	12	11	10	10	9	9	222





Time on Task (TOT)

Components:

- Request received to notification
- Out of Chute time
- Response time
- Scene time
- Transport time
- Hospital Down time



Other Considerations

- Geography
- Traffic Patterns
- Governmental
- Response Time Requirements
- Contracts



So what is our objective as Business Development Professionals?

- To make sure that we have the correct number of Unit Hours deployed to meet our Customer's expectations!
- Transport Revenue more than covers the cost of UHs.



Unit Hour Utilization

Unit hour utilization is the number of transports divided by the actual unit hours.

UHU = Number of Transports

Number of Unit Hours



How do we apply the knowledge?

Let's review the math for Unit Hour Utilization (UHU):

So...if a BU were to generate 50 transports for the day, and they produced 150 unit hours for that day, the UHU would be:

Less unit hours? 50 transports / 100 unit hours = .50 UHU

Less Transports? 30 transports / 150 unit hours = **.20 UHU**

More unit hours? 50 transports / 175 unit hours = .29 UHU

Less Transports? 35 transports / 150 unit hours = **.23 UHU**



With the math in mind, it is important that we ensure operational efficiencies by not creating an environment where the operation's budgeted UHU is decreased.

(We want more UHs to ensure being able to respond to requests for ambulance transportation.)

We have to understand that each year, the business unit creates a budget based on the expected number of Transports projected for the year. The transport number is primarily generated based on:

Transport trends (history),Projected growth (TLTs)

In reality, transport projections drive the entire BUDGET!



Another KEY Consideration:

Make sure that the Fee for Service (FFS) is enough to cover the cost of the unit hour!

And even better...

the cost per transport.



Geographic Call Distribution

A tool used to determine stations and post locations. It is a geographical representation of call volumes and call locations based on map grids.







Key Performance Indicators

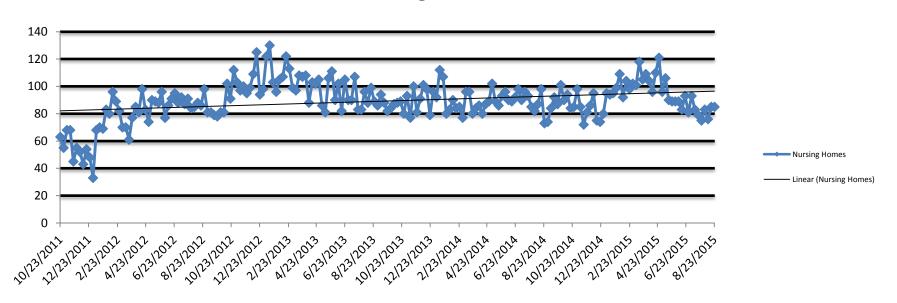
KPI's are a series of reports designed to provide the user with multiple measurements of the organization's performance.





Only as Good as What You Measure

Nursing Home Totals





Nursing Homes

Nursing Homes		\A/I.	Vy Dotontial		2012		2012
	D 10:	Wk.	Yr. Potential	2012	2012	2010	2013
Facility Name	Bed Ct.	Potential Tx	Тх	2012	percent	2013	percent
East Glen	108	5.4	280.8	25	8.90%	5	1.78%
Eastview Healthcare							
Center	112	5.6	291.2	254	87.23%	198	67.99%
Fairhaven Retirement							
Center	197	9.85	512.2	97	18.94%	59	11.52%
Fairfield Nursing and							
Rehab Center	190	9.5	494	401	81.17%	132	26.72%
Fairview Health and Rehab							
Center	163	8.15	423.8	67	15.81%	190	44.83%
Galleria Woods Skilled.							
Nursing	30	1.5	78	36	46.15%	16	20.51%
Golden Living Center							
Hueytown	50	2.5	130	72	55.38%	105	80.77%
Golden Living Center	400	_	4.65	4.0	0.4001		40.0001
Meadowood	180	9	468	43	9.19%	65	13.89%
Golden Living Center	422	6.6	242.2	4.40	42 5 40/	450	44.500/
Riverchase	132	6.6	343.2	146	42.54%	153	44.58%
Golden Living Center	425	6.35	225	204	06.4604	201	447.222/
Trussville	125	6.25	325	281	86.46%	381	117.23%
			3346.2			1304	38.97%



UHU Monitor

Day Of Week	ı	Number of	Transports	5		Unit l	lours		Cost Production					
	Budget	Actual	Variance	Variance	Scheduled	Actual	Variance	Cummulati ve	Budget	Actual	Variance	Unit Hours		
	Transports	Transports	Transports	to-date	Unit Hours	Unit Hours	Unit Hours	Total	UHU	UHU	UHU	To Adjust		
Monday	50	50	0	0	150	150.00	0	0	0.33	0.33	0.00	0.0		
Tuesday	50	45	-5	-5	150	145	-5	-5	0.33	0.31	-0.02	-9.6		
Wednesday	50	51	1	-4	150	150	0	-5	0.33	0.34	0.01	-6.7		
Thursday	50	53	3	-1	150	145	-5	-10	0.33	0.37	0.03	7.1		
Friday	50		-50	-51	118		-118	-128	0.42	#DIV/0!	#DIV/0!	-21.1		
Saturday	35		-35	-86	94		-94	-222	0.37	#DIV/0!	#DIV/0!	-29.3		
Sunday	25		-25	-111	94		-94	-316	0.27	#DIV/0!	#DIV/0!	-8.4		
	310	199	-111		906	590.00	-316.00		0.34	0.34				
	Budget	Actual			Scheduled	Actual			Budget	Actual				



Putting Knowledge into Practice

 How do we distinguish ourselves against the competition- sponsorships, initiatives, good will equity, strategic partner

Don't sabotage self. What makes all this

worth it?

How do we gainEE buy-in?







Where does marketing fit in with unit hour cost? Marketing Should Add Quantitative and Qualitative Value



Only Game in Town?





Bring on the Competition!

Declare, Distinguish

- Tell them:
- Who you are.
- What makes you different
- What makes you better
- Make a brand promise



Deliver

- Walk your talk
- Communicate
- Act like a partner
- Keep your promises
 - On-time
 - Engaged
 - Involved

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Marketing Can Impact UH Cost

- Unit Hour Cost- Negative Impact
 - Personnel costs
 - Printing costs
 - Production costs
 - Presentations (Pay to Play)
 - Affiliations/ Memberships (Fees)
 - Investments (Alert Systems/ Call Center Software)
 - Innovations, i.e., Community Paramedics start-up costs

Marketing Can Impact UH Cost

- Unit Hour Cost- Positive Impact
- Revenue
 - Increased ambulance fees
 - Easier recovery of ambulance fees
- Operational Efficiency
 - Geographical
 - Demographical

Marketing Can Impact UH Cost

- Unit Hour Cost- Positive Impact
- New Revenue/New Services
 - Community paramedic fees
 - Medical Standby Fees
 - Education Fees
 - AHA/CPR & ACLS
 - EMS Courses
 - Alert system memberships
 - Fleet maintenance services



Minimizing Marketing Costs

- Bring down the marketing cost impact by:
 - Using the ambulance and other company vehicles as a rolling billboard



Minimizing Marketing Costs

- Reduce the marketing cost impact by:
 - Using the Internet (Website and social media) to promote your company



Minimizing Marketing Costs

- Reduce the marketing cost impact by:
 - Using the Internet (Website and social media) to promote your company



Minimizing Marketing Cost

- Reduce the marketing cost impact by:
 - Riding someone else's coat tails or better yet; let others ride yours...



Minimizing Marketing Cost

 Reduce the marketing cost impact by:

Engaging the workforce in marketing activities







New Revenue/New Services – new fees





Special Event Medical Standby fees





- Education Fees
 - AHA/CPR & ACLS
 - EMS Courses





Alert system memberships





- Fleet maintenance services- Car Service Fees
 - For employees
 - For board members





