

Values Across All Replications

Emergency Department Model 1

Replications: 10      Time Units: Hours

Key Performance Indicators

System	Average
Number Out	3,810

## Emergency Department Model 1

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## Entity

## Time

VA Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acute	0.06265714	.00	0.05743309	0.07222493	0.00	0.1659
Minor	0.06464157	.00	0.06074989	0.06779329	0.00	0.1652
Patient	0.00	.00	0.00	0.00	0.00	0.00
SubAcute	0.06312960	.00	0.06165271	0.06408487	0.00	0.1659
NVA Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acute	0.00	.00	0.00	0.00	0.00	0.00
Minor	0.00	.00	0.00	0.00	0.00	0.00
Patient	0.00	.00	0.00	0.00	0.00	0.00
SubAcute	0.00	.00	0.00	0.00	0.00	0.00
Wait Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acute	0.0961	.02	0.07598355	0.1600	0.00	5.5573
Minor	0.1241	.02	0.08591078	0.1874	0.00	7.1707
Patient	0.02226814	.00	0.01547351	0.02945027	0.00	0.4131
SubAcute	0.08543107	.01	0.06290372	0.1019	0.00	7.4496
Transfer Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acute	0.00	.00	0.00	0.00	0.00	0.00
Minor	0.00	.00	0.00	0.00	0.00	0.00
Patient	0.00	.00	0.00	0.00	0.00	0.00
SubAcute	0.00	.00	0.00	0.00	0.00	0.00
Other Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acute	0.9657	.03	0.8648	1.0432	0.3080	2.5782
Minor	0.4914	.01	0.4573	0.5287	0.06496563	2.0643
Patient	0.1831	.00	0.1762	0.1919	0.08886048	0.3820
SubAcute	0.4961	.01	0.4820	0.5134	0.05564888	1.9985
Total Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acute	1.1245	.04	1.0215	1.2120	0.3938	7.4837
Minor	0.6801	.03	0.6333	0.7340	0.1469	8.9258
Patient	0.2054	.00	0.1944	0.2130	0.08903473	0.6228
SubAcute	0.6446	.01	0.6216	0.6667	0.1192	8.6002

## Other

Values Across All Replications

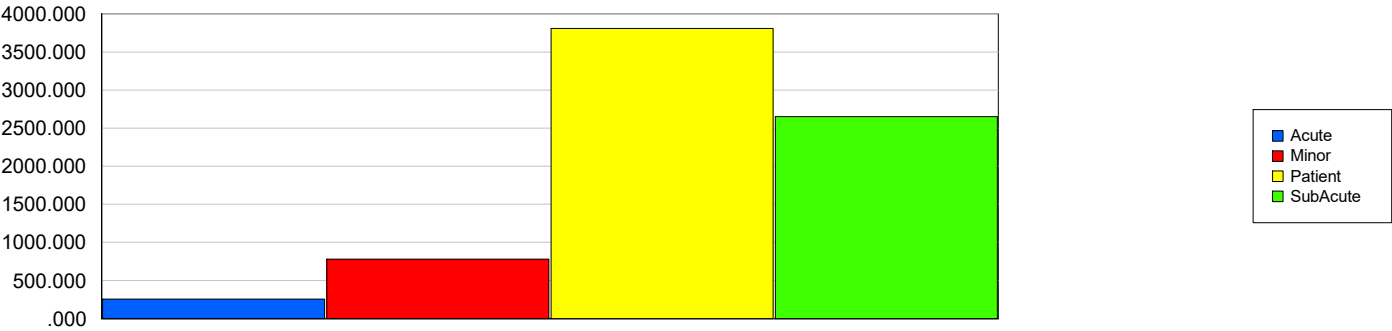
Emergency Department Model 1

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Entity

Other

Number In	Average	Half Width	Minimum Average	Maximum Average
Acute	255.50	15.00	214.00	281.00
Minor	778.50	10.57	763.00	809.00
Patient	3809.10	31.72	3722.00	3878.00
SubAcute	2650.50	33.45	2564.00	2721.00



Number Out	Average	Half Width	Minimum Average	Maximum Average
Acute	255.60	15.19	213.00	282.00
Minor	778.60	10.58	763.00	809.00
Patient	3809.20	31.61	3723.00	3878.00
SubAcute	2651.50	33.58	2565.00	2724.00

WIP	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Acute	0.3504	.03	0.2603	0.4121	0.00	6.0000
Minor	0.5502	.03	0.4927	0.6266	0.00	10.0000
Patient	1.1690	.01	1.1390	1.2057	0.00	11.0000
SubAcute	1.7277	.05	1.6136	1.8220	0.00	18.0000

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Queue

Time

Waiting Time	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Medical Personnel Resource.Queue	0.05955311	.01	0.04397290	0.07294334	0.00	7.1348
ML process.Queue	0.00	.00	0.00	0.00	0.00	0.00
Seize a Bed.Queue	0.00011247	.00	0.00	0.00078897	0.00	0.6036

Other

Number Waiting	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Medical Personnel Resource.Queue	0.5215	.07	0.3894	0.6481	0.00	21.0000
ML process.Queue	0.00	.00	0.00	0.00	0.00	0.00
Seize a Bed.Queue	0.00048464	.00	0.00	0.00337309	0.00	4.0000

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### Resource

#### Usage

Instantaneous Utilization	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Beds	0.1182	.00	0.1103	0.1237	0.00	1.0000
Medical Personnel	0.4806	.01	0.4693	0.4933	0.00	1.0000
ML Station	0.3477	.00	0.3401	0.3569	0.00	1.0000
Number Busy	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Beds	1.8910	.05	1.7654	1.9785	0.00	16.0000
Medical Personnel	2.4032	.03	2.3464	2.4664	0.00	5.0000
ML Station	0.3477	.00	0.3401	0.3569	0.00	1.0000
Number Scheduled	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
Beds	16.0000	.00	16.0000	16.0000	16.0000	16.0000
Medical Personnel	5.0000	.00	5.0000	5.0000	5.0000	5.0000
ML Station	1.0000	.00	1.0000	1.0000	1.0000	1.0000
Scheduled Utilization	Average	Half Width	Minimum Average	Maximum Average		
Beds	0.1182	.00	0.1103	0.1237		
Medical Personnel	0.4806	.01	0.4693	0.4933		
ML Station	0.3477	.00	0.3401	0.3569		



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Resource

Usage

Total Number Seized	Average	Half Width	Minimum Average	Maximum Average
Beds	2905.80	35.39	2823.00	2990.00
Medical Personnel	5885.80	56.45	5752.00	6010.00
ML Station	2332.50	22.28	2275.00	2384.00



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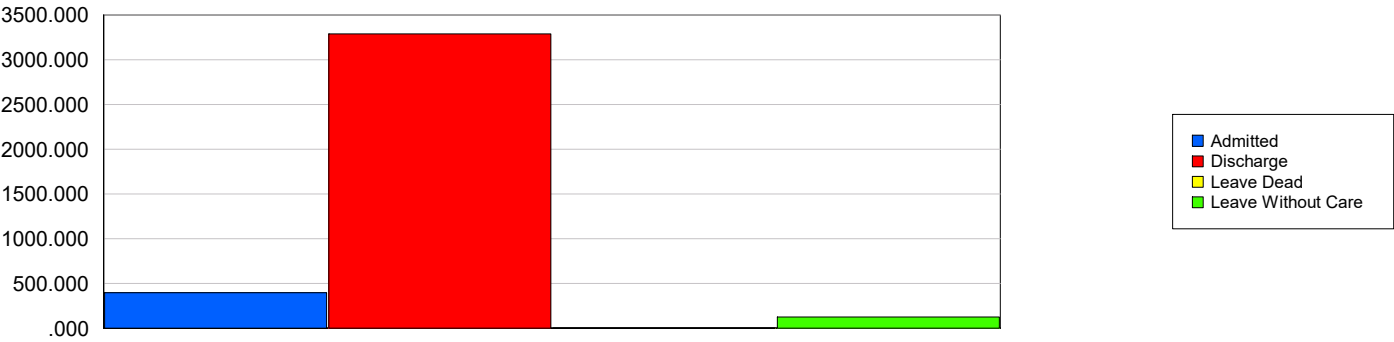
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User Specified

Counter

Count	Average	Half Width	Minimum Average	Maximum Average
Admitted	397.00	8.15	376.00	411.00
Discharge	3288.50	34.27	3193.00	3356.00
Leave Dead	0.2000	.30	0.00	1.0000
Leave Without Care	124.70	7.42	115.00	147.00



Output

Output	Average	Half Width	Minimum Average	Maximum Average
total time	0.6856	.01	0.6668	0.7053
wait time	0.0944	.01	0.06998563	0.1152

