

Values Across All Replications

Emergency Department Model 1

Replications: 10 Time Units: Hours

Key Performance Indicators

| System | Average |
|------------|---------|
| Number Out | 3,788 |

Emergency Department Model 1

Replications: 10 Time Units: Hours

Entity

Time

| VA Time | Average | Half Width | Minimum Average | Maximum Average | Minimum Value | Maximum Value |
|---------------|------------|------------|-----------------|-----------------|---------------|---------------|
| Acute | 0.06045705 | .00 | 0.05737631 | 0.06548251 | 0.00 | 0.1653 |
| Minor | 0.06346500 | .00 | 0.06186438 | 0.06537638 | 0.00 | 0.1656 |
| Patient | 0.06132336 | .00 | 0.05248546 | 0.07049877 | 0.00 | 0.1638 |
| SubAcute | 0.06224713 | .00 | 0.06110547 | 0.06358002 | 0.00 | 0.1654 |
| 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 | 0.8553 | .13 | 0.5409 | 1.0667 | 0.00 | 13.6514 |
| Minor | 1.4847 | .14 | 1.0716 | 1.7313 | 0.00 | 15.6614 |
| Patient | 0.03390871 | .00 | 0.02517701 | 0.04237940 | 0.00 | 0.4510 |
| SubAcute | 0.8537 | .08 | 0.6106 | 1.0308 | 0.00 | 13.9934 |
| 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 | 1.2678 | .03 | 1.2122 | 1.3091 | 0.6311 | 2.5343 |
| Minor | 0.8132 | .01 | 0.7987 | 0.8305 | 0.4179 | 2.0326 |
| Patient | 0.08160869 | .01 | 0.06870965 | 0.0964 | 0.00 | 0.3237 |
| SubAcute | 0.8163 | .01 | 0.8052 | 0.8330 | 0.4182 | 2.0323 |
| Total Time | Average | Half Width | Minimum Average | Maximum Average | Minimum Value | Maximum Value |
| Acute | 2.1836 | .15 | 1.8717 | 2.4343 | 0.7211 | 15.4585 |
| Minor | 2.3614 | .14 | 1.9657 | 2.6084 | 0.5011 | 17.2792 |
| Patient | 0.1768 | .01 | 0.1647 | 0.1880 | 0.05175390 | 0.6286 |
| SubAcute | 1.7322 | .08 | 1.5070 | 1.9042 | 0.4848 | 15.4549 |

Other

Values Across All Replications

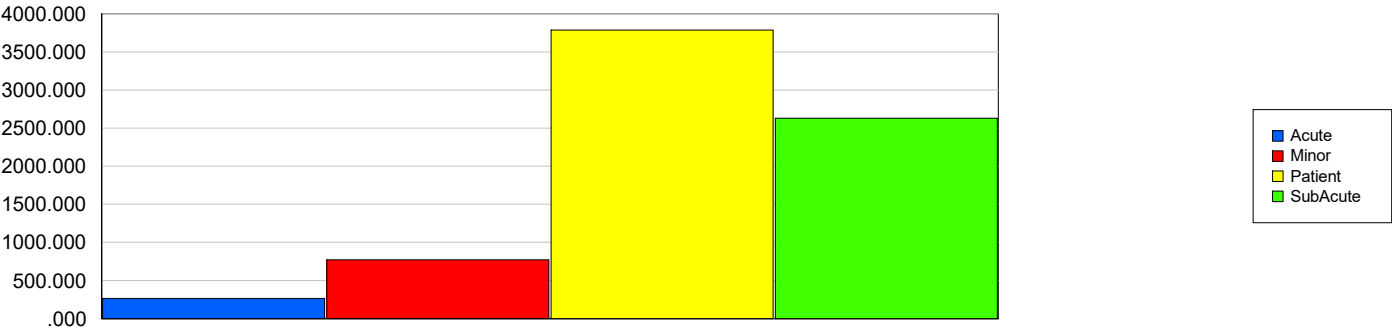
Emergency Department Model 1

Replications: 10 Time Units: Hours

Entity

Other

| Number In | Average | Half Width | Minimum Average | Maximum Average |
|-----------|---------|------------|-----------------|-----------------|
| Acute | 262.80 | 7.64 | 247.00 | 277.00 |
| Minor | 772.70 | 10.96 | 752.00 | 795.00 |
| Patient | 3788.80 | 46.87 | 3672.00 | 3880.00 |
| SubAcute | 2628.00 | 36.52 | 2511.00 | 2686.00 |



| Number Out | Average | Half Width | Minimum Average | Maximum Average |
|------------|---------|------------|-----------------|-----------------|
| Acute | 262.80 | 7.59 | 247.00 | 277.00 |
| Minor | 772.60 | 11.37 | 752.00 | 799.00 |
| Patient | 3788.60 | 46.72 | 3672.00 | 3880.00 |
| SubAcute | 2627.40 | 36.12 | 2511.00 | 2684.00 |

| WIP | Average | Half Width | Minimum Average | Maximum Average | Minimum Value | Maximum Value |
|----------|---------|------------|-----------------|-----------------|---------------|---------------|
| Acute | 0.7892 | .07 | 0.6409 | 0.9129 | 0.00 | 10.0000 |
| Minor | 2.5183 | .16 | 2.0887 | 2.8580 | 0.00 | 23.0000 |
| Patient | 0.9542 | .02 | 0.9060 | 0.9959 | 0.00 | 13.0000 |
| SubAcute | 6.1225 | .36 | 5.0017 | 6.8081 | 0.00 | 40.0000 |

Values Across All Replications

Emergency Department Model 1

Replications: 10 Time Units: Hours

Queue

Time

| Waiting Time | Average | Half Width | Minimum Average | Maximum Average | Minimum Value | Maximum Value |
|----------------------------------|---------|------------|-----------------|-----------------|---------------|---------------|
| Medical Personnel Resource.Queue | 0.5074 | .04 | 0.3858 | 0.5797 | 0.00 | 13.6883 |
| ML process.Queue | 0.00 | .00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Seize a Bed.Queue | 0.1377 | .05 | 0.04142895 | 0.2358 | 0.00 | 5.9912 |

Other

| Number Waiting | Average | Half Width | Minimum Average | Maximum Average | Minimum Value | Maximum Value |
|----------------------------------|---------|------------|-----------------|-----------------|---------------|---------------|
| Medical Personnel Resource.Queue | 4.8002 | .40 | 3.5388 | 5.5486 | 0.00 | 37.0000 |
| ML process.Queue | 0.00 | .00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Seize a Bed.Queue | 0.5943 | .20 | 0.1704 | 1.0136 | 0.00 | 30.0000 |

Values Across All Replications

Emergency Department Model 1

Replications: 10 Time Units: Hours

Resource

Usage

| Instantaneous Utilization | Average | Half Width | Minimum Average | Maximum Average | Minimum Value | Maximum Value |
|---------------------------|---------|------------|-----------------|-----------------|---------------|---------------|
| Beds | 0.3820 | .02 | 0.3291 | 0.4159 | 0.00 | 1.0000 |
| Medical Personnel | 0.7414 | .01 | 0.7229 | 0.7594 | 0.00 | 1.0000 |
| ML Station | 0.3514 | .00 | 0.3433 | 0.3581 | 0.00 | 1.0000 |
| Number Busy | Average | Half Width | Minimum Average | Maximum Average | Minimum Value | Maximum Value |
| Beds | 6.1116 | .27 | 5.2664 | 6.6551 | 0.00 | 16.0000 |
| Medical Personnel | 3.7070 | .04 | 3.6144 | 3.7972 | 0.00 | 5.0000 |
| ML Station | 0.3514 | .00 | 0.3433 | 0.3581 | 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 | 0.3820 | .02 | 0.3291 | 0.4159 | | |
| Medical Personnel | 0.7414 | .01 | 0.7229 | 0.7594 | | |
| ML Station | 0.3514 | .00 | 0.3433 | 0.3581 | | |



Values Across All Replications

Emergency Department Model 1

Replications: 10 Time Units: Hours

Resource

Usage

| Total Number Seized | Average | Half Width | Minimum Average | Maximum Average |
|---------------------|---------|------------|-----------------|-----------------|
| Beds | 2890.70 | 40.89 | 2764.00 | 2960.00 |
| Medical Personnel | 6351.10 | 88.33 | 6164.00 | 6561.00 |
| ML Station | 2362.60 | 26.38 | 2303.00 | 2417.00 |



Values Across All Replications

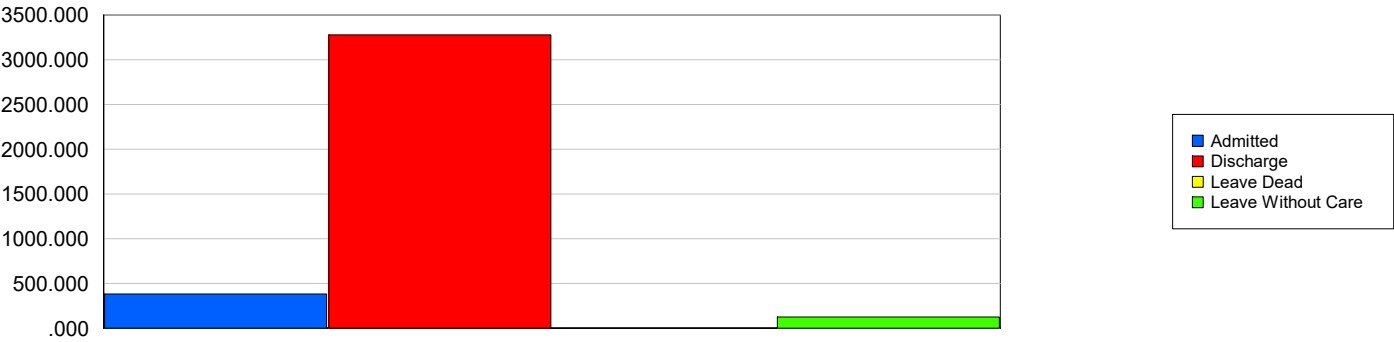
Emergency Department Model 1

Replications: 10 Time Units: Hours

User Specified

Counter

| Count | Average | Half Width | Minimum Average | Maximum Average |
|--------------------|---------|------------|-----------------|-----------------|
| Admitted | 384.90 | 13.09 | 355.00 | 412.00 |
| Discharge | 3277.90 | 37.98 | 3195.00 | 3355.00 |
| Leave Dead | 0.00 | .00 | 0.00 | 0.00 |
| Leave Without Care | 125.10 | 9.06 | 103.00 | 148.00 |



Output

| Output | Average | Half Width | Minimum Average | Maximum Average |
|------------|---------|------------|-----------------|-----------------|
| total time | 1.8971 | .09 | 1.6358 | 2.0869 |
| wait time | 0.9867 | .09 | 0.7090 | 1.1794 |

