

**Table 1: Comparison of Number of Reported Medication Errors at UMMC and Rural Sites  
January 1, 2006 to May 31, 2006**

| Facility  | Number of Beds                          | Number of Errors<br>1/1/06 to<br>5/31/06 | Number<br>of Months | Errors<br>per<br>Month | Size Factor   | Errors per Month X<br>Size Factor<br>(projected rate<br>against UMMC) | Comparison by Percentage     |
|---|---|--|---------------------|------------------------|---------------|---|------------------------------|
| A   | 64 (82 Licensed)                        | 79                                       | 5                   | 15.8                   | 710/64 = 11.1 | 15.8 X 11.1 = 175.4   | (175.4 / 126.8) X 100 = 138% |
| B   | 25(Census usually 75% to 85%)           | 64                                       | 5                   | 12.8                   | 710/25 = 28.4 | 12.8 X 28.4 = 363.5   | (363.5 / 126.8) X 100 = 287% |
| C   | 49 Licensed IP beds - all open          | 21                                       | 5                   | 4.2                    | 710/49 = 14.5 | 4.2 X 14.5 = 60.9   | (60.9 / 126.8) X 100 = 48%   |
| D   | 10 Acute - 64 LT                        | 11                                       | 5                   | 2.2                    | 710/10 = 71.0 | 2.2 X 71.0 = 156.2  | (156.2 / 126.8) X 100 = 123% |
| E   | 29 (19 Acute(4 are LT) - 10 Senior Care | 18                                       | 5                   | 3.6                    | 710/15 = 47.3 | 3.6 X 47.3 = 170.3  | (170.3 / 126.8) X 100 = 134% |
| F   | 25                                      | 16                                       | 5                   | 3.2                    | 710/25 = 28.4 | 3.2 X 28.4 = 90.9   | (81.15 / 126.8) X 100 = 64%  |
| G   | 25                                      | 36                                       | 5                   | 7.2                    | 710/25 = 28.4 | 7.2 X 28.4 = 204.5  | (204.5 / 126.8) X 100 = 161% |
| H   | 25(Census usually 10-12 / 30%-50%)      | 10                                       | 5                   | 2.0                    | 710/25 = 28.4 | 2.0 X 28.4 = 56.8   | (56.8 / 126.8) X 100 = 45%   |
|   |   |  |                     |                        |               |   |                              |
| <b>University of Mississippi Medical Center</b> | 710                                     | 634                                      | 5                   | 126.8                  |               |   | <b>100%</b>                  |

Based on total reported medication errors from January 1, 2006 to May 31, 2006

**Methodology:**

The number of errors for the period (January 1, 2006 to May 31, 2006) was divided by the number of months (5) to give the number of errors occurring at each site per month.

The number of beds at each rural site was divided into the number of beds at UMMC (710) to give a size factor (how much larger UMMC is than the rural site)

The number of errors per month for each rural site was then multiplied by the size factor to give a projected (normalized) rate for the rural site, if they were as large as UMMC

This projected number of errors was then divided by the monthly number of errors (average) for UMMC (126.8) and multiplied by 100 to give a percentage of errors reported, as compared to UMMC