**Dosage Error Calculations**

Last month Hometown Hospital admitted more than the usual number of patients due to a severe streptococcus outbreak in the area. The outbreak was widespread causing hospitalization for men, women, and children of all ages. Unfortunately, there were some major complications that developed with these patients. These severe cases are still in critical condition.

Hospital officials have gathered some basic chart data from the patients that were admitted during a 3-day period.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Patient | Gender | Weight in pounds | Dosage received (morning) in mg | Dosage received (evening) in mg |
| 1 | M | 215 | 974 | 974 |
| 2 | M | 65 | 1433 | 1433 |
| 3 | F | 120 | 2646 | 2646 |
| 4 | M | 45 | 992 | 992 |
| 5 | F | 70 | 1543 | 1543 |
| 6 | F | 182 | 825 | 825 |

Each patient received the same medication:

***Keflex*** *(20mg/kg/day to be given in two doses, not to exceed recommended dosage in a 24 hour period)*

As an outside evaluator, your job is to determine if this data is correct and report your findings. This information will be used during an inquiry of hospital personnel. This is to investigate the possible liability of the hospital and/or the drug manufacturer.

**Your report should be include the following information:**

* A chart indicating patient, gender, weight and recommended dosage for each patient. *Excel might be useful for this!*
* If discrepancies are found, indicate the error(s) with a detailed report of what findings you discovered. Give a detailed analysis for every error found with the corrections noted.
* If possible, provide information on the possible cause/source of any error(s).
* Report additional findings or conclusions based on this information. Does this appear to be a hospital or drug manufacturer error? Explain.