Reviewer's report

Title: Using a computerized provider order entry system to meet the unique prescribing needs of children: description of an advanced dosing model

Version: 3 Date: 29 December 2010

Reviewer: Heleen van der Sijs

Reviewer's report:

The authors changed title and removed statistics from the abstract, which improved the manuscript. The use of ‘location’ to indicate care intensity has been clarified.

Minor
1. The authors explained the ordering of Table 1 in their comments to the reviewer, but not in the text of the manuscript, which would be helpful.
2. The acronym ‘ONCALLPRN to OR’ (in Table 2) should be explained.
3. The paragraph on ‘guarding against over- and underdosing’ does not state why typing twice a dose would be better than typing a reason for extremely low or high dose.
4. How often weights have to be updated (it is said to be configurable, but is the number of days age dependent)?
5. It remains unclear how dose recommendations are given in case of impaired renal function: is the ADM providing information that the clinical pharmacist should be consulted? This should be clarified.

Discretionary
1. Table 2 has been adjusted slightly, but it remains unclear why a meningitis dose for children < 29 days in the bone marrow transplant location is presented above that for children < 7 days in the NICU.
2. Is the abbreviation gm accepted in the USA for gram instead of g?

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
I declare that I have no competing interests