Dr. James Broselow has now moved the traditional Broselow tape into the electronic arena with the creation of the eBroselow system for pediatric medications.

The system can be viewed at: [eBroselow.com](http://ebroselow.com/php/static/home.php)

What is most impressive about the system is that it has the potential to eliminate medication errors, particularly in low volume pediatric centers.

Once a patient’s weight (or color code from the tape) is known, the physicians and nurses need do no other calculations to determine the proper dosing for medications for that patient.

In short this is how the system functions:

* A parenteral medication is requested for a child.
* The nurse takes the vial of medication and scans it using a hand held scanner. Most registration computers on wheels contain these scanners. All vials or bottles of medication now also contain bar codes.
* The computer then recognizes the medication and its formulation. (Example: Is it ketamine 10 mg/ml or ketamine 100 mg/ml?). From this, it determines the proper number of cc’s to be administered to the patient.

The real advantage is that it eliminates the cross multiplying done when physicians request medications in milligrams and nurses must deliver them in cc’s.

**Disclaimer:** This is a commercial product, but the resource development working group found it to have a substantial potential to reduce medication errors.