

## Computer Assisted Strategies Help to Pharmacist

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**Abstract :** All around the world in every field professionals are taking great support from their computers. Computer assisted strategies not only increase the efficiency of the professionals but also in case of healthcare they help in life-saving interventions. The background of this current research is aimed towards two things; first to find out if computer assisted strategies are useful for Pharmacist for not and secondly how much these assist a Pharmacist to do quality interventions. Shifa International Hospital is a 500 bedded hospital, and it is running Antimicrobial Stewardship, during their stewardship rounds pharmacists observed that a lot of wrong doses of antibiotics were coming at times those were being overlooked by the other pharmacist even. So, with the help of MIS team the patients were categorized into adult and peds depending upon their age. Minimum and maximum dose of every single antibiotic present in the pharmacy that could be dispensed to the patient was developed. These were linked to the order entry window. So whenever pharmacist would type any order and the dose would be below or above the therapeutic limit this would give an alert to the pharmacist. Whenever this message pop-up this was recorded at the back end along with the antibiotic name, pharmacist ID, date, and time. From 14th of January 2015 and till 14th of March 2015 the software stopped different users 350 times. Out of this 300 were found to be major errors which if reached to the patient could have harmed them to the greater extent. While 50 were due to typing errors and minor deviations. The pilot study showed that computer assisted strategies can be of great help to the pharmacist. They can improve the efficacy and quality of interventions.

**Keywords :** antibiotics, computer assisted strategies, pharmacist, stewardship

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