

EVALUATION OF A CRITERIA BASED RESTRICTED PRESCRIPTION POLICY FOR SELECTED ANTIMICROBIALS IN A PEDIATRIC HOSPITAL (B6), Brenik Kuzmic, Julia Lau. Children's Hospital Central California, Fresno, CA (jlau@childrenscentralcal.org) IRB approved

Inappropriate use of antimicrobials results in higher mortality rates, longer length of stay, increased medical cost and increases in resistance. In an effort to minimize the development of resistance, risk of adverse reactions and cost, the Pharmacy, Therapeutics, and Utilization (PTU) Committee at the Children's Hospital Central California has restricted the use of cefepime, linezolid, piperacillin/tazobactam, and meropenem. To reinforce the policy, a criteria based, pre-printed order form was developed. The order form provides a list of usage criteria approved by the PTU and dosage information of each agent. These restricted antimicrobials may be ordered if at least one of the approved criteria is met, and the use of another antimicrobial with a more narrow spectrum of activity or lower cost is not appropriate. If none of the criteria apply, approval must be obtained from the Infectious Disease service prior to ordering the agent. The objective of this retrospective chart review is to examine the proportion of appropriate antimicrobial use before and after the implementation of the order form. Cefepime orders for oncology patients will be excluded due to its empiric use for febrile neutropenia. Secondary end points include acquisition cost of restricted antimicrobials, proportion of documented infections with a positive

culture, hospital unit use, dose ordered, indication, mean duration of treatment and the change in third generation cephalosporin use. The results will be discussed.