1991 ABSTRACT FORM		
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EFFECT OF A RESOURCE MANAGEMENT SY UTILIZATION. D. Roberts, T. Ostry of Critical Care Medicine, Univers Winnipeg, Manitoba, Canada.	zniuk, T. McEwen, Section	Processing fee is \$35.00
We have instituted and evaluated the effect of a mult- disciplinary team-based effort to reduce the frequency of unnecessary tests in our adult medical and surgical intensive care units. Comprehensive data, including patient diagnoses, demographics, outcome, Acute Physiologic and Chronic Health Evaluation score (APACHE II), Therapeutic Intervention Scoring System (TISS) scores and frequency of 124 laboratory tests was collected for 639 consecutive admissions over a 7 month period to serve as control data. All information was entered into a multirelational database recently developed for critical care unit resource data collection and analysis (Critical Care Manager, Template Master Series Ltd.). Detailed costing information was provided by an independent		Check payable to ATS must accompany the abstract.
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We then identified 8 cost savin 10 most frequently performed tests number of blood gas and serum elec unnecessary x-rays. Policies targ in these areas were then developed data collected for the subsequent patients.	which included excessive trolyte determinations and ! eted to reduce utilization and instituted and complete	Daniel First Auth
Patients studied pre and post policy intervention were not significantly different with respect to age, diagnoses, length of stay, TISS score (37.5 + 12.1 vs 34.2 + 12.9), APACHE II score (19.9 + 4.9 vs 19.1 + 4.8) and mortality (15.1% vs 14.0%). Frequency of several common laboratory tests and investigations including chest x-rays, blood gas and serum electrolyte analysis was reduced by 11.2% to 51.0%.		E. ROBERTS, or's Name
Total annual cost reductions durin program amounted to \$156,000 and r program implementation four fold. hensive team-based management progimprove resource utilization witho patient care.	eturned the cost of the We conclude that a compre- ram can significantly	М. D.
Category #: 1. #42 , 2. #45	, 3#34	
Key words/phrases; 1. management , 2. resources , 3.utilization		

4. cost , 5.\_\_\_\_