Accepted Manuscript

Fluid Approximations and Control of Queues in Emergency Departments

Jerome Niyirora, Jun Zhuang

 PII:
 S0377-2217(17)30199-6

 DOI:
 10.1016/j.ejor.2017.03.013

 Reference:
 EOR 14297

To appear in: European Journal of Operational Research

Received date:10 September 2016Revised date:1 March 2017Accepted date:2 March 2017

Please cite this article as: Jerome Niyirora, Jun Zhuang, Fluid Approximations and Control of Queues in Emergency Departments, *European Journal of Operational Research* (2017), doi: 10.1016/j.ejor.2017.03.013

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

Highlights

- Focus on efficient allocation of resources in the emergency department.
- Introduction of a modified square root staffing rule for cost-effective staffing.
- Derivation of optimal control of queues to minimize delay and staffing costs.

Download English Version:

https://daneshyari.com/en/article/4959490

Download Persian Version:

https://daneshyari.com/article/4959490

Daneshyari.com