

CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

DATA MINING
THESIS PRESENTATION

Friday, May 11
2:00 – 3:00 pm in MS 101

**Identifying Patterns of Potentially
Preventable Emergency Department
Utilization by American Children**

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(MS candidate in Data Mining)

Abstract

Emergency department care and primary care are ideally distinct parts of the health care delivery system. In theory, each answers a specific and different health care need. However, in practice this distinction blurs. Many visits to hospital emergency departments are potentially preventable by timely and appropriate primary care. This talk details a descriptive data mining approach to the analysis of data collected by the National Survey of Children's Health 2003 with the purpose of identifying patterns of potentially preventable emergency department utilization by American children. The use of CART models and association rules to discover nationally significant and geographically specific patterns will be discussed.

For further information:

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