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## News

[News From the Field](#)  
[For the News Media](#)  
[Special Reports](#)  
[Research Overviews](#)  
[NSF-Wide Investments](#)  
[Speeches & Lectures](#)  
[NSF Current Newsletter](#)  
[Multimedia Gallery](#)  
[News Archive](#)

## News by Research Area

[Arctic & Antarctic](#)  
[Astronomy & Space](#)  
[Biology](#)  
[Chemistry & Materials](#)  
[Computing](#)  
[Earth & Environment](#)  
[Education](#)  
[Engineering](#)  
[Mathematics](#)  
[Nanoscience](#)  
[People & Society](#)  
[Physics](#)

## News From the Field

## New Human Movement Model Can Aid in Studying Epidemic Outbreaks, Public Planning

April 27, 2009



Researchers have developed a new statistical model that simulates human mobility patterns, mimicking the way people move over the course of a day, a month or longer. The model, developed by scientists at North Carolina State University, is the first to represent the regular movement patterns of humans using statistical data. The model has a host of potential uses, ranging from land-use planning to public health studies of epidemic disease. [Full Story](#)

## Source

North Carolina State University

*The National Science Foundation (NSF) is an independent federal agency that supports fundamental research and education across all fields of science and engineering. In fiscal year (FY) 2009, its budget is \$9.5 billion, which includes \$3.0 billion provided through the American Recovery and Reinvestment Act. NSF funds reach all 50 states through grants to over 1,900 universities and institutions. Each year, NSF receives about 44,400 competitive requests for funding, and makes over 11,500 new funding awards. NSF also awards over \$400 million in professional and service contracts yearly.*

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Top

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Last Updated:  
April 27, 2009  
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