Point of Dispensing Staff Modeling Resources

The below resources are available to assist planners in identifying staffing needs for a POD.

Applicable Broadcasts

Mass Antibiotic Dispensing Series

Taking the Guesswork Out of POD Design
http://www2.cdc.gov/phtn/poddesign/default.asp
June 21, 2007

Collecting POD Exercise Data
http://www2.cdc.gov/phtn/MAD5/default.asp
April 6, 2006

Point of Dispensing Models

Bioterrorism and Epidemic Outbreak Response Model (BERM)

The Bioterrorism and Epidemic Outbreak Response Model (BERM) was developed by Dr. Nathaniel Hupert and colleagues at Weill Medical College of Cornell University. Version 2.0 includes a customizable staff model with more flexibility than found in the first version but requires more user inputs than the previous version. BERM allows planners to formulate realistic mass antibiotic dispensing and vaccination contingency plans for their target populations. The BERM Model is available at no charge to public health professionals.

Clinic Planning Model Generator

The Clinic Planning Model Generator was developed at the Institute for Systems Research of the University of Maryland. Dr. Jeffery Herrmann worked with the Montgomery County Department of Health and Human Services to collect time-study data and develop this model. The project was supported by the Advanced Practice Center for Public Health Emergency Preparedness and Response. The Clinic Planning Model Generator is available at no charge to Public Health Professionals.

RealOpt

RealOpt was developed by Dr. Eva K. Lee of the Center for Operations Research in Medicine at Georgia Institute of Technology. To develop this model, Dr. Lee partnered with Fulton and Dekalb counties in Georgia to study POD operations and collect time-study data. Public health professionals can request copies of RealOpt by sending an e-mail to eva.lee@isye.gatech.edu. For technical help e-mail realopt@isye.gatech.edu. RealOpt is available at no charge to public health professionals.

Additional Models

Maxi-Vac 1.0 and Maxi-Vac Alternative

http://www.bt.cdc.gov/agent/smallpox/vaccination/maxi-vac/index.asp

Maxi-Vac 1.0 and Maxi-Vac Alternative are programs that can be used by state and local public health officials to plan large-scale smallpox vaccination clinics with maximum patient flow-through. The programs can be downloaded and the user can then select the number of human resources available to operate a clinic (e.g., physicians, nurses, and cleric staff). Maxi-Vac (either version) will then allocate those staff among the pre-designated required activities. Both models are free of charge and are located on the CDC Web site.

Center for Emergency Response Analytics

The **Center for Emergency Response Analytics** helps planners design, evaluate, and improve emergency response plans through the use of its specialized modeling and simulation tools and its growing library of response process models. These tools enable quick construction of emergency response processes and rapid configuration of dynamic simulation models. These models are available for a fee.