Modeling the Public Health Response to Bioterrorism: U Design Antibiotic Distribution Centers

Medical Decision Making 22, 17-25

DOI: 10.1177/027298902237709

Citation Report

#	Article	IF	Citations
1	Analytic Tools for Public Health Decision Making. Medical Decision Making, 2002, 22, 3-10.	1.2	23
3	Antibiotics for Anthrax. Archives of Internal Medicine, 2004, 164, 2012.	4.3	7
4	Simulating the Response of a Rural Acute Healthâ€care Delivery System to a Bioterrorist Attack. International Journal of Disaster Medicine, 2004, 2, 24-32.	0.1	8
5	Systems modeling in support of evidence-based disaster planning for rural areas. International Journal of Hygiene and Environmental Health, 2005, 208, 117-125.	2.1	82
6	Using autoregressive integrated moving average (ARIMA) models to predict and monitor the number of beds occupied during a SARS outbreak in a tertiary hospital in Singapore. BMC Health Services Research, 2005, 5, 36.	0.9	125
7	Analyzing Bioterror Response Logistics: The Case of Anthrax. Management Science, 2005, 51, 679-694.	2.4	67
8	Responding to Terrorist Attacks and Natural Disasters: A Case Study Using Simulation. , 0, , .		0
9	BioWar: scalable agent-based model of bioattacks. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2006, 36, 252-265.	3.4	163
10	The Science of Surge. Academic Emergency Medicine, 2006, 13, 1089-1094.	0.8	72
11	Decision support system for mass dispensing of medications for infectious disease outbreaks and bioterrorist attacks. Annals of Operations Research, 2006, 148, 25-53.	2.6	54
12	Large-Scale Dispensing for Emergency Response to Bioterrorism and Infectious-Disease Outbreak. Interfaces, 2006, 36, 591-607.	1.6	69
13	Reducing Mortality from Anthrax Bioterrorism: Strategies for Stockpiling and Dispensing Medical and Pharmaceutical Supplies. Biosecurity and Bioterrorism, 2006, 4, 244-262.	1.2	44
14	A Survey of Operations Research Models and Applications in Homeland Security. Interfaces, 2006, 36, 514-529.	1.6	90
15	Use of distance learning to teach discrete event simulation. Journal of Medical Economics, 2007, 10, 147-161.	1.0	О
16	Modeling bioterrorism preparedness with simulation in rural healthcare system. , 2007, , .		6
17	Public Health Response to An Anthrax Attack: An Evaluation of Vaccination Policy Options. Biosecurity and Bioterrorism, 2007, 5, 26-34.	1.2	17
18	Hospital "Self-Prophylaxis―Strategies for Efficient Protection of the Workforce in the Face of Infectious Disease Threats. Infection Control and Hospital Epidemiology, 2007, 28, 618-621.	1.0	4
19	In silico modeling in infectious disease. Drug Discovery Today: Disease Models, 2007, 4, 117-122.	1.2	6

#	Article	IF	Citations
20	Operational Evaluation of High-Throughput Community-Based Mass Prophylaxis Using Just-in-Time Training. Public Health Reports, 2007, 122, 584-591.	1.3	10
21	Computer simulation and discrete-event models in the analysis of a mammography clinic patient flow. Computer Methods and Programs in Biomedicine, 2007, 87, 201-207.	2.6	56
22	Discrete Event Simulation Applied to Pediatric Phase I Oncology Designs. Clinical Pharmacology and Therapeutics, 2008, 84, 729-733.	2.3	10
23	Modeling the Logistics of Response to Anthrax Bioterrorism. Medical Decision Making, 2008, 28, 332-350.	1.2	64
24	Cost Minimization and Medical Examinations: The Case of Anthrax. Journal of Homeland Security and Emergency Management, 2008, 5, .	0.2	0
25	Mass Dispensing of Antibiotics and Vaccines. , 0, , 213-227.		1
26	Simulating distribution of emergency relief supplies for disaster response operations. , 2009, , .		27
27	Facility location and multi-modality mass dispensing strategies and emergency response for biodefence and infectious disease outbreaks. International Journal of Risk Assessment and Management, 2009, 12, 311.	0.2	42
28	Evaluating the Capability and Cost of a Mass Influenza and Pneumococcal Vaccination Clinic via Computer Simulation. Medical Decision Making, 2009, 29, 414-423.	1.2	22
29	Recommendations for Modeling Disaster Responses in Public Health and Medicine: A Position Paper of the Society for Medical Decision Making. Medical Decision Making, 2009, 29, 438-460.	1.2	43
30	A tutorial on discrete-event simulation for health policy design and decision making: Optimizing pediatric ultrasound screening for hip dysplasia as an illustration. Health Policy, 2009, 93, 143-150.	1.4	25
31	Infection prevention in points of dispensing. American Journal of Infection Control, 2009, 37, 695-702.	1.1	9
32	Public Health Systems Research in Emergency Preparedness. American Journal of Preventive Medicine, 2009, 37, 150-156.	1.6	36
33	Uncertainty and Operational Considerations in Mass Prophylaxis Workforce Planning. Disaster Medicine and Public Health Preparedness, 2009, 3, S121-S131.	0.7	17
34	Augmenting Petri Nets to Model Health-Care Protocols. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2010, 43, 331-336.	0.4	0
35	Simulation based analysis of patient arrival to health care systems and evaluation of an operations improvement scheme. Annals of Operations Research, 2010, 178, 263-279.	2.6	20
36	Making the Case for Laws That Improve Health: A Framework for Public Health Law Research. Milbank Quarterly, 2010, 88, 169-210.	2.1	156
37	Profiling Literature in Healthcare Simulation. Simulation, 2010, 86, 543-558.	1.1	84

#	Article	IF	CITATIONS
38	Applications of simulation within the healthcare context. Journal of the Operational Research Society, 2011, 62, 1431-1451.	2.1	218
40	Cost-Effectiveness Comparison of Response Strategies to a Large-Scale Anthrax Attack on the Chicago Metropolitan Area: Impact of Timing and Surge Capacity. Biosecurity and Bioterrorism, 2012, 10, 264-279.	1.2	15
41	A decision support tool for evaluating the effectiveness and logistical considerations of biodosimetry methods: Comparing guidelines and new technologies for the response to a nuclear event., 2012,,.		0
42	Epidemics control and logistics operations: A review. International Journal of Production Economics, 2012, 139, 393-410.	5.1	245
43	Application of computer simulation modeling in the health care sector: a survey. Simulation, 2012, 88, 197-216.	1.1	114
44	Modelling Mass Casualty Decontamination Systems Informed by Field Exercise Data. International Journal of Environmental Research and Public Health, 2012, 9, 3685-3710.	1.2	17
45	Simulation and optimization modeling for drive-through mass vaccination – A generalized approach. Simulation Modelling Practice and Theory, 2013, 37, 99-106.	2.2	38
46	GIS and agent-based models for humanitarian assistance. Computers, Environment and Urban Systems, 2013, 41, 100-111.	3.3	90
47	Review of research studies on population specific epidemic disasters. Disaster Prevention and Management, 2013, 22, 243-264.	0.6	17
48	Use of an Agent-Based Simulation Model to Evaluate a Mobile-Based System for Supporting Emergency Evacuation Decision Making. Journal of Medical Systems, 2014, 38, 149.	2.2	19
49	Optimizing service times for a public health emergency using a genetic algorithm: Locating dispensing sites and allocating medical staff. IIE Transactions on Healthcare Systems Engineering, 2014, 4, 178-190.	0.8	14
50	A simulation case study to improve staffing decisions at mass immunization clinics for pandemic influenza. Journal of the Operational Research Society, 2014, 65, 497-511.	2.1	13
51	Systems Engineering Methods for Enhancing the Value Stream in Public Health Preparedness: The Role of Markov Models, Simulation, and Optimization. Public Health Reports, 2014, 129, 145-153.	1.3	14
52	Examining the feasibility of using a modelling tool to assess resilience across a health-care system and assist with decisions concerning service reconfiguration. Journal of the Operational Research Society, 2014, 65, 1522-1532.	2.1	15
53	Modelling the Logistics Response to a General Infectious Disease. IFAC-PapersOnLine, 2015, 48, 180-186.	0.5	2
54	Mass Dispensing of Medical Countermeasures. , 2016, , 250-264.		1
55	A first step in developing a DSS for responding to the detonation of an IND. Journal of Decision Systems, 2016, 25, 273-291.	2.2	0
57	The importance of considering resource's tasks when modeling healthcare services with discrete-event simulation: an approach using work sampling method. Journal of Simulation, 2017, 11, 103-114.	1.0	15

#	Article	IF	Citations
58	Identifying Factors That May Influence Decision-Making Related to the Distribution of Patients During a Mass Casualty Incident. Disaster Medicine and Public Health Preparedness, 2018, 12, 101-108.	0.7	6
59	A Drive-through Simulation Tool for Mass Vaccination during COVID-19 Pandemic. Healthcare (Switzerland), 2020, 8, 469.	1.0	51
60	In silico disease model: from simple networks to complex diseases. , 2020, , 441-460.		7
62	Lessons from Modeling and Running the World's Largest Drive-Through Mass Vaccination Clinic. Interfaces, 2021, 51, 91-105.	1.6	9
63	Application of a Mixed Effects Model for Biosurveilliance of Regional Rail Systems. Journal of Data Science, 2005, 3, 353-370.	0.5	0
64	Digital Twin of COVID-19 Mass Vaccination Centers. Sustainability, 2021, 13, 7396.	1.6	22
65	Efficacy of antibiotic medication strategy following a bioterrorist attack involving <i>Francisella tularensis</i> . Journal of the Operational Research Society, 2022, 73, 2028-2042.	2.1	0
66	Developing Public Health Emergency Response Leaders in Incident Management: A Scoping Review of Educational Interventions. Disaster Medicine and Public Health Preparedness, 2021, , 1-30.	0.7	4
67	Application of Supply Chain Principles to Pandemic Planning. SSRN Electronic Journal, 0, , .	0.4	0
68	Maintaining efficient logistics and supply chain management operations during and after coronavirus (COVID-19) pandemic: learning from the past experiences. Environment, Development and Sustainability, 2021, 23, 11157-11178.	2.7	17
69	Modeling and Simulation in Terror Medicine. , 2009, , 79-94.		3
70	Service Networks for Public Health and Medical Preparedness: Medical Countermeasures Dispensing and Large-Scale Disaster Relief Efforts. Profiles in Operations Research, 2013, , 167-196.	0.3	3
71	Hospital Preparedness for Emerging and Highly Contagious Infectious Diseases. , 2010, , 221-231.		1
<b>7</b> 3	Making the Case for Laws that Improve Health: A Framework for Public Health Law Research. SSRN Electronic Journal, 0, , .	0.4	3
74	Artificial Intelligence Model of Drive-Through Vaccination Simulation. International Journal of Environmental Research and Public Health, 2021, 18, 268.	1.2	30
<b>7</b> 5	Accuracy of Screening for Inhalational Anthrax after a Bioterrorist Attack. Annals of Internal Medicine, 2003, 139, 337.	2.0	43
76	Optimizing planning and design of COVID-19 drive-through mass vaccination clinics by simulation. Health and Technology, 2021, 11, 1359-1368.	2.1	8
77	County-Level Planning for Efficient Distribution of Emergency Medical Countermeasures with RealOpt Software. Health Security, 2021, 19, 532-540.	0.9	0

#	Article	IF	CITATIONS
79	The Primary Care Physician's Role in Supporting the Public Health Response to Biological, Chemical, and Radiological Terrorism. , 2008, , 221-237.		0
80	A Model of Biological Attacks on a Realistic Population. , 2011, , 81-88.		0
81	Diagnostic Bioterrorism Response Strategies. , 0, , .		1
82	Efficiency and Variance Reduction. , 2015, , 256-273.		0
83	A Simulation Case Study to Improve Staffing Decisions at Mass Immunization Clinics for Pandemic Influenza., 2016,, 190-223.		3
84	Optimization of Vaccination Clinics to Improve Staffing Decisions for COVID-19: A Time-Motion Study. Vaccines, 2022, 10, 2045.	2.1	0
86	Cost-Effective Manufacturing Operations During and After the COVID‹19 Pandemic. Lecture Notes in Networks and Systems, 2023, , 215-233.	0.5	0