Stanford



Margaret Brandeau

Coleman F. Fung Professor in the School of Engineering and Professor, by courtesy, of Health Policy

Management Science and Engineering

Curriculum Vitae available Online

CONTACT INFORMATION

- **Administrator**

  Matt Gonzales - Administrative Associate

  Email mattgonz@stanford.edu

Bio

BIO

Professor Brandeau is the Coleman F. Fung Professor in the School of Engineering and a Professor of Health Policy (by Courtesy). Her research focuses on the development of applied mathematical and economic models to support health policy decisions. Her recent work has examined programs related to HIV and drug abuse prevention and treatment, control of the opioid epidemic, and responses to homelessness. She has served as Principal Investigator or Co-PI on a broad range of funded research projects.

She is a Fellow of the Institute for Operations Research and Management Science (INFORMS) and a member of the Omega Rho International Honor Society for Operations Research and Management Science. From INFORMS she has received the President's Award (recognizing important contributions to the welfare of society), the Pierskalla Prize (in 2001 and 2017, for research excellence in health care management science), the Philip McCord Morse Lectureship Award, the Saul Gass Expository Writing Award, and the Award for the Advancement of Women in Operations Research and the Management Sciences. She has also received the Award for Excellence in Application of Pharmacoeconomics and Health Outcomes Research from the International Society for Pharmacoeconomics and Outcomes Research, and a Presidential Young Investigator Award from the National Science Foundation, among other awards. Professor Brandeau earned a BS in Mathematics and an MS in Operations Research from MIT, and a PhD in Engineering-Economic Systems from Stanford.

ACADEMIC APPOINTMENTS

- Professor, Management Science and Engineering
- Professor (By courtesy), Health Policy

HONORS AND AWARDS

- 8th Annual CEA Registry Paper of the Year Award, Center for the Evaluation of Value and Risk in Health, Tufts University (2026)
- Saul Gass Expository Writing Award, INFORMS (Institute for Operations Research and Management Science) (2025)
- 4th Annual CEA Registry Paper of the Year Award, Center for the Evaluation of Value and Risk in Health, Tufts University (2022)
- Stanford Medicine Integrated Strategic Plan Star Award, Stanford University (2020)
- Pierskalla Best Paper Award, INFORMS (Institute for Operations Research and Management Science) (2017)
- Honorary Professor, Universidad Nacional de Ingeniería (National Engineering University), Peru (2016)

- Award for the Advancement of Women in Operations Research and the Management Sciences, INFORMS (Institute for Operations Research and Management Science) (2015)
- Member, Omega Rho Honor Society for Operations Research and Management Science (2015)
- Omega Rho Distinguished Lecture on Operations Research and Management Science, INFORMS (Institute for Operations Research and Management Science) (2015)
- Philip McCord Morse Lecturership Award, INFORMS (Institute for Operations Research and Management Science) (2015)
- 21st Annual E. Leonard Arnoff Memorial Lecture on the Practice of Management Science, University of Cincinnati (2012)
- Wasserstrom Family Distinguished Lecturer, Northwestern University (2012)
- Fellow, INFORMS (Institute for Operations Research and Management Science) (2009)
- Graduate Teaching Award, Department of Management Science and Engineering (2008-2009)
- Award for Excellence in Application of Pharmacoeconomics and Health Outcomes Research, ISPOR (International Society for Pharmacoeconomics and Outcomes Research) (2008)
- President's Award, INFORMS (Institute for Operations Research and Management Science) (2008)
- Pierskalla Best Paper Award, INFORMS (Institute for Operations Research and Management Science) (2001)
- Annual Outstanding Paper Award, Society for Computer Simulation (1996)
- Eugene L. Grant Teaching Award, Stanford School of Engineering (1990-1991)
- Presidential Young Investigator Award, National Science Foundation (1988-1993)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, International Advisory Committee, Instituto Sistemas Complejos de Ingeniería, Santiago, Chile (2023 - present)
- Member, Office of AIDS Research Advisory Council, National Institutes of Health (2018 - 2023)
- Diversity, Equity and Inclusion Ambassador, INFORMS (Institute for Operations Research and Management Science) (2020 - 2022)
- Member, Stanford-Lancet Commission on the North American Opioid Crisis (2020 - 2021)
- Member, Natl Acad Sci Eng and Med Committee on Equitable Allocation of Vaccine for the Novel Coronavirus (2020 - 2020)
- Member, Board of Scientific Counselors, CDC Office of Public Health Preparedness & Response (2012 - 2019)
- Editorial Board Member, Health Care Management Science (1997 - 2019)
- Member, Institute of Medicine Standing Committee for the CDC Division of the Strategic National Stockpile (2015 - 2017)
- Member, BSC/NBSB Working Group, Strategic National Stockpile (SNS) Review 20/20 (2012 - 2013)
- Member, Institute of Medicine Committee on Prepositioned Medical Countermeasures (2011 - 2011)
- Member, Institute of Medicine Committee on the Prevention and Control of Viral Hepatitis Infections in the US (2008 - 2009)

PROFESSIONAL EDUCATION

- PhD, Stanford University , Engineering-Economic Systems (1985)
- MS, Massachusetts Institute of Technology , Operations Research (1978)
- BS, Massachusetts Institute of Technology , Mathematics (1977)

PATENTS

- Corey A. Billington, Margaret L. Brandeau. "United States Patent 5,258,915 System and Method for Optimum Operation Assignments in Printed Circuit Board Manufacturing", Hewlett-Packard, Nov 2, 1993

Teaching

COURSES

2025-26

- Doctoral Research Seminar in Health Systems Modeling: HRP 390, MS&E 390 (Aut, Win, Spr)
- Health Policy Modeling: HRP 293, MS&E 292 (Win)
- The Ethical Analyst: MS&E 254 (Spr)

2024-25

- Doctoral Research Seminar in Health Systems Modeling: HRP 390, MS&E 390 (Aut, Win, Spr)
- Health Policy Modeling: HRP 293, MS&E 292 (Win)
- The Ethical Analyst: MS&E 254 (Spr)
- The Ethical Analyst: MS&E 254A (Spr)

2023-24

- Doctoral Research Seminar in Health Systems Modeling: HRP 390, MS&E 390 (Aut, Win, Spr)
- Health Policy Modeling: HRP 293, MS&E 292 (Win)
- Part-Time Practical Training: MS&E 208E (Aut)
- Practical Training: MS&E 208A (Aut)
- Practical Training: MS&E 208B (Aut)
- Practical Training: MS&E 208C (Aut)
- Practical Training: MS&E 208D (Aut)

STANFORD ADVISEES

Doctoral Dissertation Advisor (AC)

Yupeng Chen, Paul Dupenloup, Varun Gande, Yuewei Ling, Sean Tsung

Master's Program Advisor

Line Andersson, Amilia Liu, Amit Padaki

Publications

PUBLICATIONS

- **Cost-Effectiveness of Expanding Housing Access for People Experiencing Homelessness and Opioid Use Disorder in California.** *medRxiv : the preprint server for health sciences*
  Ling, Y., Tsung, S., Alarid-Escudero, F., Goldhaber-Fiebert, J. D., Brandeau, M. L., Reitsma, M. B.
  2026
- **Enhancing randomized controlled trials through smartwatch-guided participant matching for infectious disease outcomes.** *Scientific reports*
  Shahmoon, E., Yechezkel, M., Snir, S., Perez, M. V., Brandeau, M. L., Yamin, D.
  2026
- **Health and Economic Impacts of Stable Housing Provision for Older Adults.** *JAMA health forum*
  Gande, V., Goldhaber-Fiebert, J. D., Brandeau, M. L.
  2026; 7 (4): e260624
- **Cost-Effectiveness of Continuous Glucose Monitoring With Remote Patient Monitoring in Pediatric Patients With Newly Diagnosed Type 1 Diabetes in the U.S.** *Diabetes care*
  Dupenloup, P., Chen, Y., Prahalad, P., Johari, R., Addala, A., Zaharieva, D. P., Lee, M. Y., Maahs, D. M., Scheinker, D., Brandeau, M. L.
  2026
- **Cost-effectiveness of contingency management for methamphetamine use disorder: A model-based analysis.** *Addiction (Abingdon, England)*
  Qian, G. L., Chen, Y., Rawson, R. A., Humphreys, K., Brandeau, M. L.
  2026

- **COST-EFFECTIVENESS OF A PRECISION DIGITAL HEALTH PROGRAM FOR GLUCOSE MANAGEMENT IN PEDIATRIC PATIENTS WITH NEWLY DIAGNOSED TYPE 1 DIABETES**
  Dupenloup, P., Chen, Y., Prahalad, P., Johari, R., Addala, A., Zaharieva, D., Lee, M., Maahs, D., Scheinker, D., Brandeau, M.
  SAGE PUBLICATIONS INC.2026: 132S

- **Infliximab Monotherapy Versus Infliximab and Azathioprine Combination Therapy in Patients with Ulcerative Colitis: A Cost-Effectiveness Analysis.** *Digestive diseases and sciences*
  Dupenloup, P., Selnes, O., Streett, S. E., Brandeau, M. L., Barber, G. E.
  2026

- **Smartwatch-derived versus self-reported outcomes of physiological recovery after COVID-19, influenza, and group A streptococcus: a 2-year prospective cohort study.** *The Lancet. Digital health*
  Levi, Y., Gande, V., Shmueli, E., Patalon, T., Gazit, S., Brandeau, M. L., Yamin, D.
  2026: 100956

- **Social media impact and smartwatch monitoring: Prevalence and early markers of PTSD and anxiety following mass traumatic events.** *PLOS mental health*
  Yamin, D., Lev-Ari, S., Mofaz, M., Elias, R., Toker, S., Spiegel, D., Yechezkel, M., Brandeau, M. L., Shmueli, E.
  2025; 2 (9): e0000195

- **Modeling Health and Economic Outcomes of Providing Stable Housing to Homeless Adults With OUD.** *JAMA network open*
  Rao, I. J., Brandeau, M. L.
  2025; 8 (6): e2517103

- **Terminating pandemics with smartwatches.** *PNAS nexus*
  Vesinurm, M., Ndeffo-Mbah, M., Yamin, D., Brandeau, M. L.
  2025; 4 (3): pgaf044

- **Therapeutic Drug Monitoring in Patients with Ulcerative Colitis on Infliximab: A Cost-Effectiveness Analysis.** *Digestive diseases and sciences*
  Dupenloup, P., Zhou, M., Dizon, M. P., Shah, A. P., Goldhaber-Fiebert, J. D., Owens, D. K., Streett, S. E., Brandeau, M. L., Barber, G. E.
  2024

- **Comparison of physiological and clinical reactions to COVID-19 and influenza vaccination** *COMMUNICATIONS MEDICINE*
  Yechezkel, M., Qian, G., Levi, Y., Davidovitch, N., Shmueli, E., Yamin, D., Brandeau, M. L.
  2024; 4 (1): 169

- **Changes in behavior and biomarkers during the diagnostic decision period for COVID-19, influenza, and group A streptococcus (GAS): a two-year prospective cohort study inIsrael.** *The Lancet regional health. Europe*
  Snir, S., Chen, Y., Yechezkel, M., Patalon, T., Shmueli, E., Brandeau, M. L., Yamin, D.
  2024; 42: 100934

- **Vaccination for communicable endemic diseases: optimal allocation of initial and booster vaccine doses.** *Journal of mathematical biology*
  Rao, I. J., Brandeau, M. L.
  2024; 89 (2): 21

- **Prediction and detection of side effects severity following COVID-19 and influenza vaccinations: utilizing smartwatches and smartphones.** *Scientific reports*
  Levi, Y., Brandeau, M. L., Shmueli, E., Yamin, D.
  2024; 14 (1): 6012

- **Estimated effectiveness and cost-effectiveness of opioid use disorder treatment under proposed U.S. regulatory relaxations: A model-based analysis.** *Drug and alcohol dependence*
  Qian, G., Humphreys, K., Goldhaber-Fiebert, J. D., Brandeau, M. L.
  2024; 256: 111112

- **Predicting COVID-19 Outbreaks in Correctional Facilities Using Machine Learning.** *MDM policy & practice*
  Malloy, G. S., Puglisi, L. B., Bucklen, K. B., Harvey, T. D., Wang, E. A., Brandeau, M. L.
  2024; 9 (1): 23814683231222469

- **SCAN for Abuse: Electronic Health Record-Based Universal Child Abuse Screening.** *Journal of pediatric surgery*

Martin, N. R., Claypool, A. L., Diyaolu, M., Chan, K. S., A'Neals, E., Iyer, K., Stewart, C. C., Egge, M., Bernacki, K., Hallinan, M., Zuo, L., Gupta, U., Naru, et al
2023

- **Responding to the US opioid crisis: leveraging analytics to support decision making.** *Health care management science*
  Brandeau, M. L.
  2023
- **Cost-effectiveness of office-based buprenorphine treatment for opioid use disorder.** *Drug and alcohol dependence*
  Qian, G., Rao, I., Humphreys, K., Owens, D. K., Brandeau, M. L.
  2022; 243: 109762
- **Higher sensitivity monitoring of reactions to COVID-19 vaccination using smartwatches.** *NPJ digital medicine*
  Guan, G., Mofaz, M., Qian, G., Patalon, T., Shmueli, E., Yamin, D., Brandeau, M. L.
  2022; 5 (1): 140
- **Sequential allocation of vaccine to control an infectious disease.** *Mathematical biosciences*
  Rao, I. J., Brandeau, M. L.
  2022: 108879
- **Self-Reported and Physiologic Reactions to Third BNT162b2 mRNA COVID-19 (Booster) Vaccine Dose.** *Emerging infectious diseases*
  Mofaz, M., Yechezkel, M., Guan, G., Brandeau, M. L., Patalon, T., Gazit, S., Yamin, D., Shmueli, E.
  2022; 28 (7): 1375-1383
- **Metamodeling for Policy Simulations with Multivariate Outcomes.** *Medical decision making : an international journal of the Society for Medical Decision Making*
  Zhong, H., Brandeau, M. L., Yazdi, G. E., Wang, J., Nolen, S., Hagan, L., Thompson, W. W., Assoumou, S. A., Linas, B. P., Salomon, J. A.
  2022: 272989X221105079
- **When Is Mass Prophylaxis Cost-Effective for Epidemic Control? A Comparison of Decision Approaches.** *Medical decision making : an international journal of the Society for Medical Decision Making*
  Malloy, G. S., Brandeau, M. L.
  2022: 272989X221098409
- **Surveillance for endemic infectious disease outbreaks: Adaptive sampling using profile likelihood estimation.** *Statistics in medicine*
  Fairley, M., Rao, I. J., Brandeau, M. L., Qian, G. L., Gonsalves, G. S.
  2022
- **Responding to the opioid crisis in North America and beyond: recommendations of the Stanford-Lancet Commission.** *Lancet (London, England)*
  Humphreys, K., Shover, C. L., Andrews, C. M., Bohnert, A. S., Brandeau, M. L., Caulkins, J. P., Chen, J. H., Cuellar, M., Hurd, Y. L., Juurlink, D. N., Koh, H. K., Krebs, E. E., Lembke, et al
  2022; 399 (10324): 555-604
- **Prevention and control of dengue and Chikungunya in Colombia: A cost-effectiveness analysis.** *PLoS neglected tropical diseases*
  Claypool, A. L., Brandeau, M. L., Goldhaber-Fiebert, J. D.
  1800; 15 (12): e0010086
- **Quantile Markov Decision Processes** *OPERATIONS RESEARCH*
  Li, X., Zhong, H., Brandeau, M. L.
  2021
- **Quantile Markov Decision Processes.** *Operations research*
  Li, X., Zhong, H., Brandeau, M. L.
  2021; 70 (3): 1428-1447
- **Effectiveness of Policies for Addressing the US Opioid Epidemic: A Model-Based Analysis from the Stanford-Lancet Commission on the North American Opioid Crisis.** *Lancet Regional Health. Americas*
  Rao, I. J., Humphreys, K., Brandeau, M. L.
  2021; 3

- **Who Are the Gatekeepers? An Examination of Diversity in INFORMS Journal Editorial Boards** *SERVICE SCIENCE*
  Newhouse, L. J., Brandeau, M. L.
  2021; 13 (3): 109-132
- **Personalization of Medical Treatment Decisions: Simplifying Complex Models while Maintaining Patient Health Outcomes.** *Medical decision making : an international journal of the Society for Medical Decision Making*
  Weyant, C., Brandeau, M. L.
  2021: 272989X211037921
- **Assessing Interventions That Prevent Multiple Infectious Diseases: Simple Methods for Multidisease Modeling.** *Medical decision making : an international journal of the Society for Medical Decision Making*
  Claypool, A. L., Goldhaber-Fiebert, J. D., Brandeau, M. L.
  2021: 272989X211033287
- **Modeling the Cost-Effectiveness of Interventions to Prevent Plague in Madagascar.** *Tropical medicine and infectious disease*
  Malloy, G. S., Brandeau, M. L., Goldhaber-Fiebert, J. D.
  2021; 6 (2)
- **Effectiveness of Face Masks in Reducing the Spread of COVID-19: A Model-Based Analysis.** *Medical decision making : an international journal of the Society for Medical Decision Making*
  Rao, I. J., Vallon, J. J., Brandeau, M. L.
  2021: 272989X211019029
- **Partial Personalization of Medical Treatment Decisions: Adverse Effects and Possible Solutions.** *Medical decision making : an international journal of the Society for Medical Decision Making*
  Weyant, C., Brandeau, M. L.
  2021: 272989X211013773
- **THE EFFECT OF INTERVENTIONS TO REDUCE COVID-19 IN A LARGE URBAN JAIL**
  Malloy, G. S. P., Puglisi, L., Brandeau, M. L., Harvey, T., Wang, E.
  SAGE PUBLICATIONS INC.2021: E220-E221
- **EFFECTIVENESS OF FACE MASKS IN REDUCING THE SPREAD OF COVID-19: A MODEL-BASED ANALYSIS**
  Rao, I., Vallon, J., Brandeau, M. L.
  SAGE PUBLICATIONS INC.2021: E20-E21
- **DEFER, TEST, OR MODIFY? IDENTIFYING THE OPTIMAL PORTFOLIO OF BLOOD SAFETY INTERVENTIONS**
  Russell, W., Custer, B., Brandeau, M. L.
  SAGE PUBLICATIONS INC.2021: E16-E18
- **OPTIMAL SURVEILLANCE OF HIV AMONG PEOPLE WHO INJECT DRUGS**
  Fairley, M., Brandeau, M. L., Gonsalves, G.
  SAGE PUBLICATIONS INC.2021: E280-E282
- **ASSESSING INTERVENTIONS THAT PREVENT MULTIPLE INFECTIOUS DISEASES: SIMPLE METHODS FOR MULTI-DISEASE MODELING**
  Claypool, A., Goldhaber-Fiebert, J. D., Brandeau, M. L.
  SAGE PUBLICATIONS INC.2021: E335-E337
- **Optimal allocation of limited vaccine to control an infectious disease: Simple analytical conditions.** *Mathematical biosciences*
  Rao, I. J., Brandeau, M. L.
  2021: 108621
- **Predicting the Effectiveness of Endemic Infectious Disease Control Interventions: The Impact of Mass Action versus Network Model Structure.** *Medical decision making : an international journal of the Society for Medical Decision Making*
  Malloy, G. S., Goldhaber-Fiebert, J. D., Enns, E. A., Brandeau, M. L.
  2021: 272989X211006025
- **Cost-effectiveness of Treatments for Opioid Use Disorder.** *JAMA psychiatry*
  Fairley, M., Humphreys, K., Joyce, V. R., Bounthavong, M., Trafton, J., Combs, A., Oliva, E. M., Goldhaber-Fiebert, J. D., Asch, S. M., Brandeau, M. L., Owens, D. K.

2021

- **Optimal portfolios of blood safety interventions: test, defer or modify?** *Health care management science*
  Russell, W. A., Custer, B., Brandeau, M. L.
  2021
- **Effectiveness of interventions to reduce COVID-19 transmission in a large urban jail: a model-based analysis.** *BMJ open*
  Malloy, G. S., Puglisi, L., Brandeau, M. L., Harvey, T. D., Wang, E. A.
  2021; 11 (2): e042898
- **Optimal allocation of limited vaccine to minimize the effective reproduction number.** *Mathematical biosciences*
  Rao, I. J., Brandeau, M. L.
  2021: 108654
- **Early detection of COVID-19 outbreaks using human mobility data.** *PloS one*
  Guan, G., Dery, Y., Yechezkel, M., Ben-Gal, I., Yamin, D., Brandeau, M. L.
  2021; 16 (7): e0253865
- **Health outcomes and cost-effectiveness of diversion programs for low-level drug offenders: A model-based analysis.** *PLoS medicine*
  Bernard, C. L., Rao, I. J., Robison, K. K., Brandeau, M. L.
  2020; 17 (10): e1003239
- **Optimizing interventions across the HIV care continuum: A case study using process improvement analysis** *OPERATIONS RESEARCH FOR HEALTH CARE*
  Barrow, G. J., Fairley, M., Brandeau, M. L.
  2020; 25
- **Optimizing Interventions Across the HIV Care Continuum: A Case Study Using Process Improvement Analysis.** *Operations research for health care*
  Barrow, G. J., Fairley, M., Brandeau, M. L.
  2020; 25
- **Implementing Analytics Projects in a Hospital: Successes, Failures, and Opportunities** *INTERFACES*
  Scheinker, D., Brandeau, M. L.
  2020; 50 (3): 176–89
- **PREVENTION AND CONTROL OF DENGUE AND CHIKUNGUNYA IN COLOMBIA: A COST-EFFECTIVENESS ANALYSIS**
  Claypool, A., Brandeau, M. L., Goldhaber-Fiebert, J. D.
  SAGE PUBLICATIONS INC.2020: E85–E87
- **Estimation of COVID-19 Basic Reproduction Ratio in a Large Urban Jail in the United States.** *Annals of epidemiology*
  Puglisi, L. B., Malloy, G. S., Harvey, T. D., Brandeau, M. L., Wang, E. A.
  2020
- **Predicting and improving patient-level antibiotic adherence.** *Health care management science*
  Rao, I. n., Shaham, A. n., Yavneh, A. n., Kahana, D. n., Ashlagi, I. n., Brandeau, M. L., Yamin, D. n.
  2020
- **Public Health Interventions with Harms and Benefits: A Graphical Framework for Evaluating Tradeoffs.** *Medical decision making : an international journal of the Society for Medical Decision Making*
  Pitt, A. L., Goldhaber-Fiebert, J. D., Brandeau, M. L.
  2020: 272989X20960458
- **Health outcomes and cost-effectiveness of treating depression in people with HIV in Sub-Saharan Africa: a model-based analysis.** *AIDS care*
  Zhong, H. n., Arjmand, I. K., Brandeau, M. L., Bendavid, E. n.
  2020: 1–7
- **PREDICTING THE EFFECTIVENESS OF INTERVENTIONS FOR INFECTIOUS DISEASE CONTROL: THE ROLE OF MODEL STRUCTURE**
  Malloy, G., Goldhaber-Fiebert, J. D., Enns, E. A., Brandeau, M. L.
  SAGE PUBLICATIONS INC.2020: E377

- **DIVERSION PROGRAMS FOR LOW-LEVEL DRUG OFFENDERS: HEALTH OUTCOMES AND COST-EFFECTIVENESS**
  Brandeau, M. L., Bernard, C.
  SAGE PUBLICATIONS INC.2020: E374

- **PREDICTING THE EFFECTIVENESS OF INTERVENTIONS FOR INFECTIOUS DISEASE CONTROL: THE ROLE OF MODEL STRUCTURE**
  Malloy, G., Goldhaber-Fiebert, J. D., Enns, E. A., Brandeau, M. L.
  SAGE PUBLICATIONS INC.2020: E118

- **META-MODELLING FOR POLICY SIMULATIONS WITH MULTIVARIATE OUTCOMES**
  Zhong, H., Yazdi, G., Wang, J., Nolen, S., Linas, B. P., Brandeau, M. L., Salomon, J.
  SAGE PUBLICATIONS INC.2020: E69–E70

- **PREDICTING PATIENT-LEVEL ANTIBIOTIC ADHERENCE**
  Rao, I., Shaham, A., Yavneh, A., Kahana, D., Chodick, G., Ashlagi, I., Yamin, D., Brandeau, M. L.
  SAGE PUBLICATIONS INC.2020: E45–E46

- **COST-EFFECTIVENESS OF INTERVENTIONS TO PREVENT PLAGUE IN MADAGASCAR**
  Malloy, G., Andrews, J., Brandeau, M. L., Goldhaber-Fiebert, J. D.
  SAGE PUBLICATIONS INC.2020: E116–E117

- **Improving the efficiency of the operating room environment with an optimization and machine learning model** *HEALTH CARE MANAGEMENT SCIENCE*
  Fairley, M., Scheinker, D., Brandeau, M. L.
  2019; 22 (4): 756–67

- **Personalizing Medical Treatment Decisions: Integrating Meta-Analytic Treatment Comparisons with Patient-Specific Risks and Preferences.** *Medical decision making : an international journal of the Society for Medical Decision Making*
  Weyant, C., Brandeau, M. L., Basu, S.
  2019: 272989X19884927

- **Quantifying Positive Health Externalities of Disease Control Interventions: Modeling Chikungunya and Dengue.** *Medical decision making : an international journal of the Society for Medical Decision Making*
  Claypool, A. L., Brandeau, M. L., Goldhaber-Fiebert, J. D.
  2019: 272989X19880554

- **A modified HIV continuum of care: A six-year evaluation of a viral load cascade at a hospital-based clinic in Kingston, Jamaica** *INTERNATIONAL JOURNAL OF STD & AIDS*
  Barrow, G. J., Brandeau, M. L.
  2019; 30 (8): 748–55

- **OR Forum-Public Health Preparedness: Answering (Largely Unanswerable) Questions with Operations Research-The 2016-2017 Philip McCord Morse Lecture** *OPERATIONS RESEARCH*
  Brandeau, M. L.
  2019; 67 (3): 700–710

- **A modified HIV continuum of care: A six-year evaluation of a viral load cascade at a hospital-based clinic in Kingston, Jamaica.** *International journal of STD & AIDS*
  Barrow, G. J., Brandeau, M. L.
  2019: 956462419839514

- **Optimal timing of drug sensitivity testing for patients on first-line tuberculosis treatment** *HEALTH CARE MANAGEMENT SCIENCE*
  Suen, S., Brandeau, M. L., Goldhaber-Fiebert, J. D.
  2018; 21 (4): 632–46

- **Improving the efficiency of the operating room environment with an optimization and machine learning model.** *Health care management science*
  Fairley, M., Scheinker, D., Brandeau, M. L.
  2018

- **Modeling Health Benefis and Harms of Public Policy Responses to the US Opioid Epidemic** *AMERICAN JOURNAL OF PUBLIC HEALTH*
  Pitt, A. L., Humphreys, K., Brandeau, M. L.

2018; 108 (10): 1394-1400

- **Modeling Health Benefits and Harms of Public Policy Responses to the US Opioid Epidemic.** *American journal of public health*
  Pitt, A. L., Humphreys, K., Brandeau, M. L.
  2018: e1–e7
- **Dynamic Learning of Patient Response Types: An Application to Treating Chronic Diseases** *MANAGEMENT SCIENCE*
  Negoescu, D. M., Bimpikis, K., Brandeau, M. L., Iancu, D. A.
  2018; 64 (8): 3469–88
- **Dynamic Learning of Patient Response Types: An Application to Treating Chronic Diseases.** *Management science*
  Negoescu, D. M., Bimpikis, K., Brandeau, M. L., Iancu, D. A.
  2018; 64 (8): 3469-3970
- **Anticipated burden and mitigation of carbon-dioxide-induced nutritional deficiencies and related diseases: A simulation modeling study.** *PLoS medicine*
  Weyant, C., Brandeau, M. L., Burke, M., Lobell, D. B., Bendavid, E., Basu, S.
  2018; 15 (7): e1002586
- **Anticipated burden and mitigation of carbondioxide-induced nutritional deficiencies and related diseases: A simulation modeling study** *PLOS MEDICINE*
  Weyant, C., Brandeau, M. L., Burke, M., Lobell, D. B., Bendavid, E., Basu, S.
  2018; 15 (7)
- **Cost-effectiveness of alternative strategies for provision of HIV preexposure prophylaxis for people who inject drugs** *AIDS*
  Fu, R., Owens, D. K., Brandeau, M. L.
  2018; 32 (5): 663–72
- **Structural Sensitivity in HIV Modeling: A Case Study of Vaccination.** *Infectious Disease Modelling*
  Bernard, C. L., Brandeau, M. L.
  2017; 2 (4): 399–411
- **Dynamic treatment selection and modification for personalised blood pressure therapy using a Markov decision process model: a cost-effectiveness analysis** *BMJ OPEN*
  Choi, S., Brandeau, M. L., Basu, S.
  2017; 7 (11)
- **Estimation of the cost-effectiveness of HIV prevention portfolios for people who inject drugs in the United States: A model-based analysis.** *PLoS medicine*
  Bernard, C. L., Owens, D. K., Goldhaber-Fiebert, J. D., Brandeau, M. L.
  2017; 14 (5)
- **Optimizing patient treatment decisions in an era of rapid technological advances: the case of hepatitis C treatment** *HEALTH CARE MANAGEMENT SCIENCE*
  Liu, S., Brandeau, M. L., Goldhaber-Fiebert, J. D.
  2017; 20 (1): 16-32
- **Dynamic treatment selection and modification for personalised blood pressure therapy using a Markov decision process model: a cost-effectiveness analysis.** *BMJ open*
  Choi, S. E., Brandeau, M. L., Basu, S. n.
  2017; 7 (11): e018374
- **Analytical Approaches to Operating Room Management Projects at Lucile Packard Children's Hospital Stanford**
  Scheinker, D., Brandeau, M. L.
  edited by Cappanera, P., Li, J., Matta, A., Sahin, E., Vandaele, N. J., Visintin, F.
  SPRINGER.2017: 17-26
- **Risk stratification in compartmental epidemic models: Where to draw the line?** *Journal of theoretical biology*
  Suen, S. C., Goldhaber-Fiebert, J. D., Brandeau, M. L.
  2017; 428: 1–17

- **Cost-effectiveness of malaria preventive treatment for HIV-infected pregnant women in sub-Saharan Africa.** *Malaria journal*
  Choi, S. E., Brandeau, M. L., Bendavid, E. n.
  2017; 16 (1): 403
- **Creating impact with operations research in health: making room for practice in academia** *HEALTH CARE MANAGEMENT SCIENCE*
  Brandeau, M. L.
  2016; 19 (4): 305-312
- **Cost-Effectiveness of HIV Preexposure Prophylaxis for People Who Inject Drugs in the United States** *ANNALS OF INTERNAL MEDICINE*
  Bernard, C. L., Brandeau, M. L., Humphreys, K., Bendavid, E., Holodniy, M., Weyant, C., Owens, D. K., Goldhaber-Fiebert, J. D.
  2016; 165 (1): 10-?
- **Modeling a dynamic bi-layer contact network of injection drug users and the spread of blood-borne infections** *MATHEMATICAL BIOSCIENCES*
  Fu, R., Gutfraind, A., Brandeau, M. L.
  2016; 273: 102-113
- **HIV Treatment and Prevention: A Simple Model to Determine Optimal Investment** *MEDICAL DECISION MAKING*
  Juusola, J. L., Brandeau, M. L.
  2016; 36 (3): 391-409
- **Expansion of the National Salt Reduction Initiative: A Mathematical Model of Benefits and Risks of Population-Level Sodium Reduction** *MEDICAL DECISION MAKING*
  Choi, S. E., Brandeau, M. L., Basu, S.
  2016; 36 (1): 72-85
- **Evaluating Cost-effectiveness of Interventions That Affect Fertility and Childbearing: How Health Effects Are Measured Matters.** *Medical decision making*
  Goldhaber-Fiebert, J. D., Brandeau, M. L.
  2015; 35 (7): 818-846
- **Optimizing patient treatment decisions in an era of rapid technological advances: the case of hepatitis C treatment.** *Health care management science*
  Liu, S., Brandeau, M. L., Goldhaber-Fiebert, J. D.
  2015: -?
- **Link removal for the control of stochastically evolving epidemics over networks: A comparison of approaches** *JOURNAL OF THEORETICAL BIOLOGY*
  Enns, E. A., Brandeau, M. L.
  2015; 371: 154-165
- **Modeling and calibration for exposure to time-varying, modifiable risk factors: the example of smoking behavior in India.** *Medical decision making*
  Goldhaber-Fiebert, J. D., Brandeau, M. L.
  2015; 35 (2): 196-210
- **HIV epidemic control-a model for optimal allocation of prevention and treatment resources** *HEALTH CARE MANAGEMENT SCIENCE*
  Alistar, S. S., Long, E. F., Brandeau, M. L., Beck, E. J.
  2014; 17 (2): 162-181
- **Expanded HIV Testing in Low-Prevalence, High-Income Countries: A Cost-Effectiveness Analysis for the United Kingdom** *PLOS ONE*
  Long, E. F., Mandalia, R., Mandalia, S., Alistar, S. S., Beck, E. J., Brandeau, M. L.
  2014; 9 (4)
- **Effectiveness and Cost Effectiveness of Oral Pre-Exposure Prophylaxis in a Portfolio of Prevention Programs for Injection Drug Users in Mixed HIV Epidemics.** *PloS one*
  Alistar, S. S., Owens, D. K., Brandeau, M. L.
  2014; 9 (1)
- **Too Much of a Good Thing? When to Stop Catch-Up Vaccination** *MEDICAL DECISION MAKING*
  Hutton, D. W., Brandeau, M. L.

2013; 33 (7): 920-936

- **Are organic foods safer or healthier?** *Annals of internal medicine*
  Smith-Spangler, C., Brandeau, M. L., Olkin, I., Bravata, D. M.
  2013; 158 (4): 297-300
- **Are Organic Foods Safer or Healthier?** *ANNALS OF INTERNAL MEDICINE*
  Davis, D. R.
  2013; 158 (4): 297
- **Are Organic Foods Safer or Healthier? RESPONSE** *ANNALS OF INTERNAL MEDICINE*
  Smith-Spangler, C., Brandeau, M. L., Olkin, I., Bravata, D. M.
  2013; 158 (4): 297-300
- **National Biodefense Science Board/Board of Scientific Counselors Strategic National Stockpile 2020 Joint Working Group.** *Anticipated Responsibilities of the Strategic National Stockpile (SNS) in the Year 2020 – An Examination with Recommendations. Washington, DC*
  Brandeau, M., L.
  2013
- **Too much of a good thing? When to stop catch-up vaccination.** *Medical Decision Making*
  Hutton, D., W., Brandeau, M., L.
  2013; 7 (33): 920-936.
- **REACH: A practical HIV resource allocation tool for decision makers.** *In Operations Research and Health Care Policy*
  Alistar, S., S., Brandeau, M., L., Beck, E., J.
  edited by Zaric, G., S.
  Springer Publishers, New York.2013: 201–224.
- **Are organic foods safer or healthier? [Letter].** *[Letter]. Annals of Internal Medicine.*
  Smith-Spangler, C., Brandeau, M., L., Olkin, I., Bravata, D., M.
  2013; 4 (158): 297-300.
- **OR in public health: A little help can go a long way.** *In Operations Research and Health Care Policy*
  Brandeau, M., L.
  edited by Zaric, G., S.
  Springer Publishers, New York.2013: 17–38.
- **HIV epidemic control: A model for optimal allocation of prevention and treatment resources.** *Health Care Management Science, Epub ahead of print.*
  Alistar, S., S., Long, E., F., Brandeau, M., L., Beck, E., J.
  2013
- **Balancing Immunological Benefits and Cardiovascular Risks of Antiretroviral Therapy: When Is Immediate Treatment Optimal?** *CLINICAL INFECTIOUS DISEASES*
  Negoescu, D. M., Owens, D. K., Brandeau, M. L., Bendavid, E.
  2012; 55 (10): 1392-1399
- **Cost Effectiveness of Screening Strategies for Early Identification of HIV and HCV Infection in Injection Drug Users** *PLOS ONE*
  Cipriano, L. E., Zaric, G. S., Holodniy, M., Bendavid, E., Owens, D. K., Brandeau, M. L.
  2012; 7 (9)
- **Are organic foods safer or healthier than conventional alternatives?: a systematic review.** *Annals of internal medicine*
  Smith-Spangler, C., Brandeau, M. L., Hunter, G. E., Bavinger, J. C., Pearson, M., Eschbach, P. J., Sundaram, V., Liu, H., Schirmer, P., Stave, C., Olkin, I., Bravata, D. M.
  2012; 157 (5): 348-366
- **Are Organic Foods Safer or Healthier Than Conventional Alternatives?** *ANNALS OF INTERNAL MEDICINE*
  Smith-Spangler, C., Brandeau, M. L., Hunter, G. E., Bavinger, C., Pearson, M., Eschbach, P. J., Sundaram, V., Liu, H., Schirmer, P., Stave, C., Olkin, I., Bravata, D. M.
  2012; 157 (5): 348-U112

- **The Cost-Effectiveness of Preexposure Prophylaxis for HIV Prevention in the United States in Men Who Have Sex With Men** *ANNALS OF INTERNAL MEDICINE*
  Juusola, J. L., Brandeau, M. L., Owens, D. K., Bendavid, E.
  2012; 156 (8): 541-U144
- **Optimal link removal for epidemic mitigation: A two-way partitioning approach** *MATHEMATICAL BIOSCIENCES*
  Enns, E. A., Mounzer, J. J., Brandeau, M. L.
  2012; 235 (2): 138-147
- **Decision Making for HIV Prevention and Treatment Scale up: Bridging the Gap between Theory and Practice** *MEDICAL DECISION MAKING*
  Alistar, S. S., Brandeau, M. L.
  2012; 32 (1): 105-117
- **Assessing effectiveness and cost-effectiveness of concurrency reduction for HIV prevention** *INTERNATIONAL JOURNAL OF STD & AIDS*
  Enns, E. A., Brandeau, M. L., Igeme, T. K., Bendavid, E.
  2011; 22 (10): 558-567
- **The cost-effectiveness of symptom-based testing and routine screening for acute HIV infection in men who have sex with men in the USA** *AIDS*
  Juusola, J. L., Brandeau, M. L., Long, E. F., Owens, D. K., Bendavid, E.
  2011; 25 (14): 1779-1787
- **Efficient stockpiling and shipping policies for humanitarian relief: UNHCR's inventory challenge** *OR SPECTRUM*
  McCoy, J. H., Brandeau, M. L.
  2011; 33 (3): 673-698
- **Inferring model parameters in network-based disease simulation** *HEALTH CARE MANAGEMENT SCIENCE*
  Enns, E. A., Brandeau, M. L.
  2011; 14 (2): 174-188
- **Doing Good with Good OR: Supporting Cost-Effective Hepatitis B Interventions** *INTERFACES*
  Hutton, D. W., Brandeau, M. L., So, S. K.
  2011; 41 (3): 289-300
- **Doing Good with Good OR: Supporting Cost-effective Hepatitis B Interventions.** *Interfaces*
  Hutton, D. W., Brandeau, M. L., So, S. K.
  2011; 41 (3): 289-300
- **Effectiveness and Cost Effectiveness of Expanding Harm Reduction and Antiretroviral Therapy in a Mixed HIV Epidemic: A Modeling Analysis for Ukraine** *PLOS MEDICINE*
  Alistar, S. S., Owens, D. K., Brandeau, M. L.
  2011; 8 (3)
- **Institute of Medicine Committee on Prepositioned Medical Countermeasures.** *Prepositioning Antibiotics for Anthrax.*
  Brandeau, M., L.
  2011
- **Efficient stockpiling and shipping strategies for humanitarian relief: UNHCR’s inventory challenge.** *OR Spectrum*
  McCoy, J., H, Brandeau., M., L.
  2011; 3 (33): 673-698.
- **Inferring model parameters in network-based disease simulation.** *Health Care Management Science*
  Enns, E., A., Brandeau, M., L.
  2011; 2 (14): 174-188.
- **The cost-effectiveness of symptom-based testing and routine screening for acute HIV infection in men who have sex with men in the United States.** *AIDS*
  Juusola, J., L., Brandeau, M., L., Long, E., F., Owens, D., K., Bendavid, E.
  2011; 14 (25): 1779-1787.

- **The Cost-Effectiveness and Population Outcomes of Expanded HIV Screening and Antiretroviral Treatment in the United States** *ANNALS OF INTERNAL MEDICINE*
  Long, E. F., Brandeau, M. L., Owens, D. K.
  2010; 153 (12): 778-?

- **Cost-Effectiveness of Strategies for Diagnosing Pulmonary Embolism Among Emergency Department Patients Presenting With Undifferentiated Symptoms** *ANNALS OF EMERGENCY MEDICINE*
  Duriseti, R. S., Brandeau, M. L.
  2010; 56 (4): 321-332

- **Comparative Effectiveness of HIV Testing and Treatment in Highly Endemic Regions** *ARCHIVES OF INTERNAL MEDICINE*
  Bendavid, E., Brandeau, M. L., Wood, R., Owens, D. K.
  2010; 170 (15): 1347-1354

- **Cost-effective control of chronic viral diseases: Finding the optimal level of screening and contact tracing** *MATHEMATICAL BIOSCIENCES*
  Armbruster, B., Brandeau, M. L.
  2010; 224 (1): 35-42

- **Cost-Effectiveness of Nationwide Hepatitis B Catch-up Vaccination Among Children and Adolescents in China** *HEPATOLOGY*
  Hutton, D. W., So, S. K., Brandeau, M. L.
  2010; 51 (2): 405-414

- **Cost-effective control of chronic viral diseases: Finding the optimal level of screening and contact tracing.** *Mathematical Biosciences*
  Armbruster, B., Brandeau, M., L.
  2010; 1 (224): 35-42.

- **HEPATITIS AND LIVER CANCER A National Strategy for Prevention and Control of Hepatitis B and C Summary** *HEPATITIS AND LIVER CANCER: A NATIONAL STRATEGY FOR PREVENTION AND CONTROL OF HEPATITIS B AND C*
  Beasley, R., Alter, H. J., Brandeau, M. L., Church, D. R., Evans, A. A., Hagan, H., Hullett, S., Maroushek, S. R., Mayer, R. R., McMahon, B. J., Sepulveda, M., So, S., Thomas, et al
  edited by Colvin, H. M., Mitchell, A. E.
  2010: 1–17

- **HEPATITIS AND LIVER CANCER A National Strategy for Prevention and Control of Hepatitis B and C Introduction** *HEPATITIS AND LIVER CANCER: A NATIONAL STRATEGY FOR PREVENTION AND CONTROL OF HEPATITIS B AND C*
  Beasley, R., Alter, H. J., Brandeau, M. L., Church, D. R., Evans, A. A., Hagan, H., Hullett, S., Maroushek, S. R., Mayer, R. R., McMahon, B. J., Sepulveda, M., So, S., Thomas, et al
  edited by Colvin, H. M., Mitchell, A. E.
  2010: 19–40

- **Surveillance** *HEPATITIS AND LIVER CANCER: A NATIONAL STRATEGY FOR PREVENTION AND CONTROL OF HEPATITIS B AND C*
  Beasley, R., Alter, H. J., Brandeau, M. L., Church, D. R., Evans, A. A., Hagan, H., Hullett, S., Maroushek, S. R., Mayer, R. R., McMahon, B. J., Sepulveda, M., So, S., Thomas, et al
  edited by Colvin, H. M., Mitchell, A. E.
  2010: 41–78

- **Knowledge and Awareness About Chronic Hepatitis B and Hepatitis C** *HEPATITIS AND LIVER CANCER: A NATIONAL STRATEGY FOR PREVENTION AND CONTROL OF HEPATITIS B AND C*
  Beasley, R., Alter, H. J., Brandeau, M. L., Church, D. R., Evans, A. A., Hagan, H., Hullett, S., Maroushek, S. R., Mayer, R. R., McMahon, B. J., Sepulveda, M., So, S., Thomas, et al
  edited by Colvin, H. M., Mitchell, A. E.
  2010: 79–107

- **Immunization** *HEPATITIS AND LIVER CANCER: A NATIONAL STRATEGY FOR PREVENTION AND CONTROL OF HEPATITIS B AND C*
  Beasley, R., Alter, H. J., Brandeau, M. L., Church, D. R., Evans, A. A., Hagan, H., Hullett, S., Maroushek, S. R., Mayer, R. R., McMahon, B. J., Sepulveda, M., So, S., Thomas, et al
  edited by Colvin, H. M., Mitchell, A. E.
  2010: 109–45

- **Viral Hepatitis Services** *HEPATITIS AND LIVER CANCER: A NATIONAL STRATEGY FOR PREVENTION AND CONTROL OF HEPATITIS B AND C*

Beasley, R., Alter, H. J., Brandeau, M. L., Church, D. R., Evans, A. A., Hagan, H., Hullett, S., Maroushek, S. R., Mayer, R. R., McMahon, B. J., Sepulveda, M., So, S., Thomas, et al
edited by Colvin, H. M., Mitchell, A. E.
2010: 147–207

- **Cost-effectiveness of strategies for diagnosing pulmonary embolism among emergency department patients presenting with undifferentiated symptoms.** *Annals of Emergency Medicine*
  Duriseti, R., S., Brandeau, M., L.
  2010; 4 (56): 321-332.

- **Comparative effectiveness of HIV testing and treatment in highly endemic regions.** *Archives of Internal Medicine*
  Bendavid, E., Brandeau, M., L., Wood, R., Owens, D., K.
  2010; 15 (17): 1347-1354.

- **The cost effectiveness and population outcomes of expanded HIV screening and antiretroviral treatment in the United States.** *Annals of Internal Medicine*
  Long, E., F., Brandeau, M., L., Owens, D., K.
  2010; 12 (153): 778-789.

- **Institute of Medicine Committee on the Prevention and Control of Viral Hepatitis Infections.** *Hepatitis and Liver Cancer: A National Strategy for Prevention andControl of Hepatitis B and C.*
  Brandeau, M., L.
  2010

- **Cost effectiveness of nationwide hepatitis B catchup vaccination among children and adolescents in China.** *Hepatology*
  Hutton, D., W., So, S., K
  2010; 2 (51): 405-414.

- **Potential population health outcomes and expenditures of HIV vaccination strategies in the United States** *VACCINE*
  Long, E. F., Brandeau, M. L., Owens, D. K.
  2009; 27 (39): 5402-5410

- **Recommendations for Modeling Disaster Responses in Public Health and Medicine: A Position Paper of the Society for Medical Decision Making** *MEDICAL DECISION MAKING*
  Brandeau, M. L., Mccoy, J. H., Hupert, N., Holty, J., Bravata, D. M.
  2009; 29 (4): 438-460

- **Optimal investment in HIV prevention programs: more is not always better** *HEALTH CARE MANAGEMENT SCIENCE*
  Brandeau, M. L., Zaric, G. S.
  2009; 12 (1): 27-37

- **Potential population health outcomes and expenditures of HIV vaccination strategies in the United States.** *Vaccine*
  Long, E., F., Brandeau, M., L., Owens, D., K.
  2009; 39 (27): 5402-5410.

- **Cost-effectiveness of voluntary HIV screening in Russia.** *International Journal of STD and AIDS*
  Tole, S., P., Sanders, G., D., Bayoumi, A., M., Galvin, C., M., Vinichenko, T., N., Owens, D., K.
  2009; 1 (20): 46-51.

- **OR's next top model: Decision models for infectious disease control.** *In TutORials in Operations Research*
  Long, E., F., Brandeau., M., L.
  Institute for Operations Research and the Management Sciences (INFORMS).2009: 123–138.

- **Recommendations for modeling crisis response in public health and medicine: A position paper of the Society for Medical Decision Making.** *Medical Decision Making*
  Brandeau, M., L., McCoy, J., H., Hupert, N., A., Holty, J., E., Bravata, D., M.
  2009; 4 (29): 438-460.

- **Optimal investment in HIV prevention programs: More is not always better.** *Health Care Management Science*
  Brandeau, M., L., Zaric., G., S.
  2009; 1 (12): 27-37.

- **Cost-effectiveness of voluntary HIV screening in Russia.** *International Journal of STD and AIDS*
  Tole, S., P., Sanders, G., D., Bayoumi, A., M., Galvin, C., M., Vinichenko, T., N., Owens, D., K.
  2009; 1 (20): 46-51.
- **Controlling Co-Epidemics: Analysis of HIV and Tuberculosis Infection Dynamics** *OPERATIONS RESEARCH*
  Long, E. F., Vaidya, N. K., Brandeau, M. L.
  2008; 56 (6): 1366-1381
- **Modeling the logistics of response to anthrax bioterrorism** *MEDICAL DECISION MAKING*
  Zaric, G. S., Bravata, D. M., Holty, J. C., McDonald, K. M., Owens, D. K., Brandeau, M. L.
  2008; 28 (3): 332-350
- **An ounce of prevention is worth a pound of cure: improving communication to reduce mortality during bioterrorism responses.** *American journal of disaster medicine*
  Brandeau, M. L., Zaric, G. S., Freiesleben, J., Edwards, F. L., Bravata, D. M.
  2008; 3 (2): 65-78
- **An ounce of prevention is worth a pound of cure: Improving communication to reduce mortality during bioterrorism responses.** *American Journal of Disaster Medicine*
  Brandeau, M., L., Zaric, G., S., Freiesleben, J.
  2008; 2 (3): 65-78.
- **Optimal Spending on HIV Prevention and Treatment: A Framework for Evaluating Cost-Effectiveness with Example Application to the India AIDS Initiative** *OPTIMIZATION IN MEDICINE AND BIOLOGY*
  Brandeau, M. L., Long, E. F., Hutton, D. W., Owens, D. K.
  edited by Lim, G. J., Lee, E. K.
  2008: 147–75
- **INFECTIOUS DISEASE CONTROL POLICY: A ROLE FOR SIMULATION** *2008 WINTER SIMULATION CONFERENCE, VOLS 1-5*
  Brandeau, M. L.
  2008: 1578-1582
- **Optimal spending on HIV prevention and treatment: A framework for evaluating the cost-effectiveness of HIV prevention and treatment programs with example application to The India AIDS Initiative.** *In Optimization in Medicine and Biology*
  Brandeau, M., L., Long, E., F., Hutton, D., W., Owens., D., K.
  Taylor and Francis Publishers, Boca Raton, Florida.2008: 147–175.
- **Modeling the logistics of response to anthrax bioterrorism.** *Medical Decision Making*
  Zaric, G., S., Bravata, D., M., Holty, J., E.C., McDonald, K., M., Owens, D., K., Brandeau, M., L.
  2008; 3 (28): 332-350.
- **Infectious disease control policy: A role for simulation.**
  Brandeau, M., L.
  2008
- **The cost effectiveness of counseling strategies to improve adherence to highly active antiretroviral therapy among men who have sex with men.** *Medical Decision Making*
  Zaric, G., S., Bayoumi, A., M., Brandeau, M., L., Owens, D., K.
  2008; 3 (28): 359-376.
- **Controlling co-epidemics: Analysis of HIV and tuberculosis infection dynamics.** *Operations Research*
  Long, E., F., Vaidya, N., Brandeau, M., L.
  2008; 6 (56): 1366-1381.
- **Contact tracing to control infectious disease: when enough is enough.** *Health care management science*
  Armbruster, B., Brandeau, M. L.
  2007; 10 (4): 341-355
- **Cost-effectiveness of screening and vaccinating Asian and pacific islander adults for hepatitis B** *ANNALS OF INTERNAL MEDICINE*
  Hutton, D. W., Tan, D., So, S. K., Brandeau, M. L.

2007; 147 (7): 460-469

- **Optimal mix of screening and contact tracing for endemic diseases** *MATHEMATICAL BIOSCIENCES*
  Armbruster, B., Brandeau, M. L.
  2007; 209 (2): 386-402
- **Planning the bioterrorism response supply chain: learn and live.** *American journal of disaster medicine*
  Brandeau, M. L., Hutton, D. W., Owens, D. K., Bravata, D. M.
  2007; 2 (5): 231-247
- **Optimal mix of screening and contact tracing for endemic diseases.** *Mathematical Biosciences*
  Armbruster, B., Brandeau., M., L.
  2007; 2 (209): 386-402.
- **A little planning goes a long way: Multilevel allocation of HIV prevention resources** *MEDICAL DECISION MAKING*
  Zaric, G. S., Brandeau, M. L.
  2007; 27 (1): 71-81
- **A knowledge representation of local pandemic influenza planning models.** *AMIA ... Annual Symposium proceedings / AMIA Symposium. AMIA Symposium*
  Islam, R., Brandeau, M. L., Das, A. K.
  2007: 988-?
- **Planning the bioterrorism responsesupply chain: Learn and live.** *American Journal of Disaster edicine*
  Brandeau, M., L., Hutton, D., M., Owens, D., K., Bravata, D., M.
  2007; 5 (2): 231-247.
- **Who do you know? A simulation study of infectious disease control through contact tracing.**
  Armbruster, B., Brandeau, M., L.
  2007
- **From Venn diagrams to bioterrorism: An OR journey. The Operations Research Center at MIT.** *INFORMS Topics in Operations Research Series*
  Brandeau, M., L.
  2007: 41-46.
- **Cost effectiveness of screening and vaccinating Asian and Pacific Islander adults for hepatitis B.** *Annals of Internal Medicine*
  Hutton, D., W., Tan, D., So, S., K, Brandeau, M., L.
  2007; 7 (14): 460-469.
- **A little planning goes a long way: Multi-level allocation of HIV prevention resources.** *Medical Decision Making*
  Zaric, G., S., Brandeau., M., L.
  2007; 1 (27): 71-81.
- **Contact tracing to control infectious disease: When enough is enough.** *Health Care Management Science*
  Armbruster, B., Brandeau, M., L.
  2007; 4 (10): 341-355.
- **Effectiveness and cost-effectiveness of strategies to expand antiretroviral therapy in St. Petersburg, Russia** *AIDS*
  Long, E. F., Brandeau, M. L., Galvin, C. M., Vinichenko, T., Tole, S. P., Schwartz, A., Sanders, G. D., Owens, D. K.
  2006; 20 (17): 2207-2215
- **Value of quantitative D-dimer assays in identifying pulmonary embolism: Implications from a sequential decision model** *ACADEMIC EMERGENCY MEDICINE*
  Duriseti, R. S., Shachter, R. D., Brandeau, M. L.
  2006; 13 (7): 755-766
- **Reducing mortality from anthrax bioterrorism: Strategies for stockpiling and dispensing medical and pharmaceutical supplies.** *Biosecurity and Bioterrorism: Biodefense Strategy, Practice, and Science*
  Bravata, D., M., Zaric, G., S., Holty, J-, E.C., Brandeau, M., L., Wilhelm, E., R., Schwartz, A.
  2006; 3 (4): 244-262.

- **Reducing mortality from anthrax bioterrorism: Strategies for stockpiling and dispensing medical and pharmaceutical supplies** *BIOSECURITY AND BIOTERRORISM-BIODEFENSE STRATEGY PRACTICE AND SCIENCE*
  Bravata, D. M., Zaric, G. S., Holty, J. C., Brandeau, M. L., Wilhelm, E. R., McDonald, K. M., Owens, D. K.
  2006; 4 (3): 244-262
- **Value of quantitative D-dimer assays in identifying pulmonary embolism: Implications from a sequential decision model.** *Academic Emergency Medicine*
  Duriseti, R., S., Shachter, R., D., Brandeau, M., L.
  2006; 7 (13): 755-766.
- **Effectiveness and cost-effectiveness of strategies to expand antiretroviral therapy in St.Petersburg, Russia.** *AIDS*
  Long, E., F., Brandeau, M., L., Galvin, C., M., Vinichenko, T., Tole, S., P., Schwartz, A.
  2006; 17 (20): 2207-2215.
- **Modeling complex medical decision problems with the Archimedes model** *ANNALS OF INTERNAL MEDICINE*
  Brandeau, M. L.
  2005; 143 (4): 303-304
- **Improved allocation of HIV prevention resources: using information about prevention program production functions.** *Health care management science*
  Brandeau, M. L., Zaric, G. S., De Angelis, V.
  2005; 8 (1): 19-28
- **Evaluating the cost effectiveness of the India AIDS Initiative: A blueprint.** *White Paper, Gates Foundation Policy Research Network*
  Brandeau, M., L., Chaudry, J., R., Long, E., F., Owens, D., K.
  2005
- **ALLOCATING RESOURCES TO CONTROL INFECTIOUS DISEASES** *OPERATIONS RESEARCH AND HEALTH CARE: A HANDBOOK OF METHODS AND APPLICATIONS*
  Brandeau, M. L.
  edited by Brandeau, M. L., Sainfort, F., Pierskalla, W. P.
  2005; 70: 443-464
- **HEALTH CARE DELIVERY: CURRENT PROBLEMS AND FUTURE CHALLENGES** *OPERATIONS RESEARCH AND HEALTH CARE: A HANDBOOK OF METHODS AND APPLICATIONS*
  Brandeau, M. L., Sainfort, F., Pierskalla, W. P.
  edited by Brandeau, M. L., Sainfort, F., Pierskalla, W. P.
  2005; 70: 1-14
- **Global HIV prevention and treatment: Planning for the future.** *White Paper, Gates Foundation Policy Research Network*
  Brandeau, M., L., McDonald, K., M., Owens, D., K.
  2005
- **Modeling complex medical decision problems with the Archimedes model [Editorial].** *Annals of Internal Medicine*
  Brandeau, M., L.
  2005; 4 (143): 303-304.
- **Improved allocation of HIV prevention resources: Using information about prevention program production functions.** *Health Care Management Science*
  Brandeau, M., L., Zaric, G., S., Angelis., V.
  2005; 1 (8): 19-28.
- **Regionalization of bioterrorism preparedness and response.** *Evidence report/technology assessment (Summary)*
  Bravata, D. M., McDonald, K. M., Owens, D. K., Wilhelm, E. R., Brandeau, M. L., Zaric, G. S., Holty, J. E., Liu, H., Sundaram, V.
  2004: 1-7
- **Regionalization of bioterrorism preparedness and response [Summary].** *Evidence Report/Technology Assessment*
  Bravata, D., M., McDonald, K., Owens, D., K., Wilhelm, E., Brandeau, M., L., Holty, J, E.C.
  2004: 96, 1-7.

- **Allocating resources to control infectious diseases.** *In Operations Research and Health Care: A Handbook of Methods and Applications*
  Brandeau, M., L.
  Kluwer Academic Publishers.2004: 443–464.
- **Operations Research and Health Care: A Handbook of Methods and Applications.**
  Brandeau, M.
  edited by Brandeau, M., L., Sainfort, F., Pierskalla, W., P.
  Kluwer Academic Publishers, Norwell, MA.2004
- **Health care delivery: Current problems and future challenges.** *In Operations Research and Health Care: A Handbook of Methods and Applications*
  Brandeau, M., L., Sainfort, F., Pierskalla, W., P.
  Kluwer Academic Publishers.2004: 1–14.
- **Resource allocation for control of infectious diseases in multiple independent populations: beyond cost-effectiveness analysis** *JOURNAL OF HEALTH ECONOMICS*
  Brandeau, M. L., Zaric, G. S., Richter, A.
  2003; 22 (4): 575-598
- **The cost effectiveness of improved adherence to antiretroviral treatment**
  Zaric, G. S., Bayoumi, A. M., Brandeau, M. L., Owens, D. K.
  ELSEVIER SCIENCE INC.2003: 266–66
- **Resource allocation for control of infectious diseases in multiple independent populations: Beyond cost-effectiveness analysis.** *Journal of Health Economics*
  Brandeau, M., L., Zaric, G., S., Richter., A.
  2003; 4 (22): 575-598.
- **Regionalization of Bioterrorism Preparedness and Response Evidence Report/Technology Assessment)** *Agency for Healthcare Research and Quality, Rockville, MD*
  Bravata, D., M., McDonald, K., Owens, D., K., Wilhelm, E., Brandeau, M., L.
  2003
- **Dynamic resource allocation for epidemic control in multiple populations** *IMA JOURNAL OF MATHEMATICS APPLIED IN MEDICINE AND BIOLOGY*
  Zaric, G. S., Brandeau, M. L.
  2002; 19 (4): 235-255
- **Optimal pricing for service facilities with self-optimizing customers** *EUROPEAN JOURNAL OF OPERATIONAL RESEARCH*
  Grossmann, T. A., Brandeau, M. L.
  2002; 141 (1): 39-57
- **Optimal pricing for service facilities with self-optimizing customers.** *European Journal of Operational Research*
  Grossman, T., A., Brandeau, M., L.
  2002; 1 (141): 39-57.
- **Difficult choices, urgent needs: Optimal investment in HIV prevention programs** *14th Conference on Quantitative Evaluation of HIV Prvention Programs*
  Brandeau, M. L.
  YALE UNIV PRESS.2002: 97–117
- **Dynamic resource allocation for epidemic control in multiple populations.** *IMA Journal of Mathematics Applied to Medicine and Biology*
  Zaric, G., S., Brandeau, M., L.
  2002; 4 (19): 235-255.
- **Optimal investment in a portfolio of HIV prevention programs** *MEDICAL DECISION MAKING*
  Zaric, G. S., Brandeau, M. L.
  2001; 21 (5): 391-408
- **The cost-effectiveness of buprenorphine maintenance therapy for opiate addiction in the United States** *ADDICTION*
  Barnett, P. G., Zaric, G. S., Brandeau, M. L.

2001; 96 (9): 1267-1278

- **Cost minimization and workload balancing in printed circuit board assembly** *IIE TRANSACTIONS*
  Hillier, M. S., Brandeau, M. L.
  2001; 33 (7): 547-557
- **Resource allocation for epidemic control over short time horizons** *MATHEMATICAL BIOSCIENCES*
  Zaric, G. S., Brandeau, M. L.
  2001; 171 (1): 33-58
- **Cost minimization and workload balancing in printed circuit board assembly.** *IIE Transactions*
  Hillier, M., S., Brandeau., M., L.
  2001; 7 (33): 547-557.
- **The cost-effectiveness of buprenorphine maintenance therapy for opiate addiction in the United States.** *Addiction*
  Barnett, P., G., Zaric, G., S., Brandeau, M., L.
  2001; 9 (96): 1267-1278.
- **AIDS policy modeling for the 21st century: An overview of key issues.** *Health Care Management Science*
  Rauner, M., S., Brandeau, M., L.
  2001; 3 (4): 165-180.
- **Optimal investment in a portfolio of HIV prevention programs.** *Medical Decision Making*
  Zaric, G., S., Brandeau., M., L.
  2001; 5 (21): 391-408.
- **Resource allocation for epidemic control over short time horizons.** *Mathematical Biosciences*
  Zaric, G., S., Brandeau, M., L.
  2001; 1 (171): 33-58.
- **Difficult choices, urgent needs: Optimal investment in HIV prevention programs.** *In Quantitative Evaluation of HIV Prevention Programs*
  Brandeau, M., L.
  Yale University Press, New Haven.2001: 128–153.
- **The cost effectiveness of voluntary prenatal and routine newborn HIV screening in the United States** *JOURNAL OF ACQUIRED IMMUNE DEFICIENCY SYNDROMES*
  Zaric, G. S., Bayoumi, A. M., Brandeau, M. L., Owens, D. K.
  2000; 25 (5): 403-416
- **Methadone maintenance and HIV prevention: A cost-effectiveness analysis** *MANAGEMENT SCIENCE*
  Zaric, G. S., Brandeau, M. L., Barnett, P. G.
  2000; 46 (8): 1013-1031
- **HIV transmission and the cost-effectiveness of methadone maintenance** *AMERICAN JOURNAL OF PUBLIC HEALTH*
  Zaric, G. S., Barnett, P. G., Brandeau, M. L.
  2000; 90 (7): 1100-1111
- **Optimal commonality in component design.** *Operations Research*
  Thonemann, U., W., Brandeau, M., L.
  2000; 1 (48): 1-19.
- **Optimal commonality in component design** *OPERATIONS RESEARCH*
  Thonemann, U. W., Brandeau, M. L.
  2000; 48 (1): 1-19
- **Methadone maintenance and HIV prevention: A costeffectiveness analysis.** *Management Science*
  Zaric, G., S., Brandeau, M., L., Barnett, P., G.
  2000; 8 (46): 1013-1031.
- **HIV transmission and the cost-effectiveness of methadone maintenance.** *American Journal of Public Health*
  Zaric, G., S., Barnett, P., G., Brandeau, M., L.

2000; 7 (90): 1100-1111.

- **The cost effectiveness of voluntary prenatal and routine newborn HIV screening in th United States.** *Journal of AIDS and Human Retrovirology*
  Zaric, G., S., Bayoumi, A., M., Brandeau, M., L., Owens., D., K.
  2000; 5 (25): 403-416.
- **An analysis of optimal resource allocation for prevention of infection with human immunodeficiency virus (HIV) in injection drug users and non-users** *MEDICAL DECISION MAKING*
  Richter, A., Brandeau, M. L., Owens, D. K.
  1999; 19 (2): 167-179
- **An analysis of optimal resource allocation for prevention of infection with human immunodeficiency virus in jection drug users and non-users.** *Medical Decision Making,*
  Richter, A., Brandeau, M., L., Owens, D., K.
  1999; 2 (19): 167-179.
- **Design of an automated shop floor material handling system with inventory considerations** *OPERATIONS RESEARCH*
  Johnson, M. E., Brandeau, M. L.
  1999; 47 (1): 65-80
- **Design of an automated shop floor material handling system with inventory considerations.** *Operations Research*
  Johnson, M., E., Brandeau, M., L.
  1999; 1 (47): 65-80
- **The effects of protease inhibitors on the spread of HIV and the development of drug-resistant HIV strains: A simulation study** *SIMULATION*
  Zaric, G. S., Bayoumi, A. M., Brandeau, M. L., Owens, D. K.
  1998; 71 (4): 262-275
- **Optimal component assignment and board grouping in printed circuit board manufacturing** *OPERATIONS RESEARCH*
  Hillier, M. S., Brandeau, M. L.
  1998; 46 (5): 675-689
- **Effect of relapse to high-risk behavior on the costs and benefits of a program to screen women for human immunodeficiency virus** *INTERFACES*
  Owens, D. K., Brandeau, M. L., Sox, C. H.
  1998; 28 (3): 52-74
- **OR modeling and AIDS policy: From theory to practice** *INTERFACES*
  Kahn, J. G., Brandeau, M. L., Dunn-Mortimer, J.
  1998; 28 (3): 3-22
- **OR modeling and AIDS policy: From theory to practice.** *Interfaces*
  Kahn, J., G., Brandeau, M., L., Dunn-Mortimer, J.
  1998; 3 (28): 3-22.
- **Note. Optimal storage assignment policies for automated storage and retrieval systems with stochastic demands** *MANAGEMENT SCIENCE*
  Thonemann, U. W., Brandeau, M. L.
  1998; 44 (1): 142-148
- **Simulating the effects of protease inhibitors on the HIV epidemic: Treatment, compliance, and drug resistance** *Medical Sciences Simulation Conference held at the 1998 Western MultiConference*
  Zaric, G. S., Brandeau, M. L., Bayoumi, A. M., Owens, D. K.
  SOC MODELING SIMULATION INT-SCS.1998: 65–72
- **Using simulation to find optimal funding levels for HIV prevention programs with different costs and effectiveness** *Medical Sciences Simulation Conference held at the 1998 Western MultiConference*
  Friedrich, C. M., Brandeau, M. L.
  SOC MODELING SIMULATION INT-SCS.1998: 58–64

- **Effects of relapse to high-risk behavior on the costs andbenefits of a voluntary program to screen women for HIV.** *Interfaces*
  Owens, D., K., Brandeau, M., L., Sox, C., H
  1998; 3 (28): 52-74.
- **Note: Optimal storage assignment policies for automated storage and retrieval systems with stochastic demands.** *Management Science*
  Thonemann, U., W., Brandeau, M., L.
  1998; 1 (44): 142-148.
- **Using simulation to find optimal funding levels for HIV prevention programs with different costs and effectiveness.**
  Friedrich, C., M., Brandeau., M., L.
  1998
- **Optimal component assignment and board grouping in printed circuit board manufacturing.** *Operations Research*
  Hillier, M., S., Brandeau, M., L.
  1998; 5 (46): 675-689.
- **The effects of protease inhibitors on the spread of HIV and the development of drug-resistant HIV strains: A simulation study.** *Simulation*
  Zaric, G., S., Brandeau, M., L., Bayoumi, A., M., Owens., D., K.
  1998; 4 (71): 262-275.
- **AIDS policy modeling: A social role for operations research.** *Ricerca Operativa*
  Brandeau, M., L
  1998; 81-82 (27): 5-33
- **Simulating the effects of protease inhibitors on the HIV epidemic: Treatment, compliance, and drug resistance.**
  Zaric, G., S., Brandeau, M., L., Bayoumi, A, M., Owens., D., K.
  1998
- **Designing a zoned automated guided vehicle system with multiple vehicles and multiple load capacity** *OPERATIONS RESEARCH*
  Thonemann, U. W., Brandeau, M. L.
  1997; 45 (6): 857-873
- **Review of Network and Discrete Location – Models, Algorithms, and Applications by M.S. Daskin.** *Interfaces*
  Brandeau, M., L.
  1997; 1 (27): 157-158.
- **Designing a zoned automated guided vehicle system with multiple vehicles and multiple load capacity.** *Operations Research*
  Thonemann, U., W., Brandeau, M., L.
  1997; 6 (45): 857-873.
- **Stochastic modeling for automated material handling system design and control** *TRANSPORTATION SCIENCE*
  Johnson, M. E., Brandeau, M. L.
  1996; 30 (4): 330-350
- **Designing a single-vehicle automated guided vehicle system with multiple load capacity** *TRANSPORTATION SCIENCE*
  Thonemann, U. W., Brandeau, M. L.
  1996; 30 (4): 351-363
- **Designing a single-vehicle automated guided vehicle system with multiple load capacity.** *Transportation Science*
  Thonemann, U., W., Brandeau, M., L.
  1996; 4 (30): 351-363.
- **Stochastic modeling for automated material handling systemdesign and control.** *Transportation Science*
  Johnson, M., E., Brandeau, M., L.
  1996; 4 (30): 330-350.
- **Stochastic modeling for automated material handling systemdesign and control.** *Transportation Science*
  Johnson, M., E., Brandeau, M., L.
  1996; 4 (30): 330-350.

- **DESIGNING MULTIPLE-LOAD AUTOMATED GUIDED VEHICLE SYSTEMS FOR DELIVERING MATERIAL FROM A CENTRAL DEPOT** *JOURNAL OF ENGINEERING FOR INDUSTRY-TRANSACTIONS OF THE ASME*
  Johnson, M. E., Brandeau, M. L.
  1995; 117 (1): 33-41
- **Designing multiple-load automated guided vehicle systems for delivering material from a central depot.** *Transactions of the ASME: Journal of Engineering for Industry*
  Johnson, M., E., Brandeau, M., L
  1995; 1 (117): 33-41.
- **Location with market externalities.** *In Facility Location: A Survey of Applications and Methods*
  Brandeau, M., L., Chiu, S., S., Kumar, S., Grossman., T., A.
  Springer-Verlag, New York, NY.1995: 121–150.
- **AN ANALYTIC MODEL FOR DESIGN AND ANALYSIS OF SINGLE-VEHICLE ASYNCHRONOUS MATERIAL HANDLING SYSTEMS** *TRANSPORTATION SCIENCE*
  Johnson, M. E., Brandeau, M. L.
  1994; 28 (4): 337-353
- **AN APPROACH FOR WORST-CASE ANALYSIS OF HEURISTICS - ANALYSIS OF A FLEXIBLE 0-1 KNAPSACK-PROBLEM** *JOURNAL OF THE OPERATIONS RESEARCH SOCIETY OF JAPAN*
  Lai, T. C., Brandeau, M. L., Chiu, S.
  1994; 37 (3): 197-210
- **LOCATION OF COMPETING FACILITIES IN A USER-OPTIMIZING ENVIRONMENT WITH MARKET EXTERNALITIES** *TRANSPORTATION SCIENCE*
  Brandeau, M. L., Chiu, S. S.
  1994; 28 (2): 125-140
- **AIDS policy modeling by example.** *AIDS*
  Kaplan, E., H., Brandeau, M., L
  1994; Suppl 1 (8): S333-S340.
- **WHEN WOMEN RETURN TO RISK - COSTS AND BENEFITS OF HIV SCREENING IN THE PRESENCE OF RELAPSE** *34th Joint National Meeting of the Operations-Research-Society-of-America and The Institute-of-Management-Sciences*
  Brandeau, M. L., Owens, D. K.
  RAVEN PRESS.1994: 121–136
- **An analytic model for design and analysis of single-vehicle asynchronous material handling systems.** *Transportation Science*
  Johnson, M., E., Brandeau, M., L
  1994; 4 (28): 337-353.
- **When women return to risk: Costs and benefits of HIV screening in the presence of relapse.** *In Modeling the AIDS Epidemic: Planning, Policy and Prediction*
  Brandeau, M., L., Owens., D., K.
  Raven Press, New York, NY.1994: 121–136
- **An approach for worst case analysis of heuristics: Analysis of a flexible 0-1 knapsack problem.** *Journal of the Operations Research Society of Japan*
  Lai, T., C., Brandeau, M., L., Chiu, S.
  1994; 3 (37): 197-210.
- **Location of competing facilities in a user-optimizing environment with market externalities.** *Transportation Science*
  Brandeau, M., L., Chiu, S., S
  1994; 2 (28): 125-140.
- **Facility location in a user-optimizing environment with market externalities: Analysis of customer equilibria and optimal public facility locations.** *Location Science*
  Brandeau, M., L., Chiu, S., S
  1994; 3 (2): 129-147.

- **Modeling the AIDS Epidemic: Planning, Policy and Prediction.**
  Brandeau, M.
  edited by Kaplan, E., H., Brandeau, M., L.
  Raven Press, New York, NY.1994
- **AN ANALYTIC MODEL FOR DESIGN OF A MULTIVEHICLE AUTOMATED GUIDED VEHICLE SYSTEM** *MANAGEMENT SCIENCE*
  Johnson, M. E., Brandeau, M. L.
  1993; 39 (12): 1477-1489
- **Application of analytic models for material handling system design: Analysis of stochastic effects.** *In Progress in Material Handling Research, Braun-Brumfield, Inc., Ann Arbor, MI*
  Johnson, M., E., Brandeau, M., L.
  1993: 97-120
- **SCREENING WOMEN OF CHILDBEARING AGE FOR HUMAN-IMMUNODEFICIENCY-VIRUS - A MODEL-BASED POLICY ANALYSIS** *MANAGEMENT SCIENCE*
  Brandeau, M. L., Owens, D. K., Sox, C. H., Wachter, R. M.
  1993; 39 (1): 72-92
- **Sequential location and allocation: Worst case performance and statistical estimation.** *Location Science*
  Brandeau, M., L., Chiu, S., S
  1993; 4 (1): 289-298
- **Screening women of childbearing age for human immunodeficiency virus: A model-based policy analysis.** *Management Science*
  Brandeau, M., L., Owens, D., K., Sox, C., H., Wachter, R., M.
  1993; 1 (39): 72-92.
- **PR for OR/MS: How can you get involved?** *OR/MS Today*
  Brandeau, M., L.
  1993: 68-69.
- **An analytic model for design of a multivehicle automated guided vehicle system.** *Management Science*
  Johnson, M., E., Brandeau, M., L.
  1993; 12 (39): 1477-1489.
- **Strategic production planning: Operation assignment and product grouping.**
  Brandeau, M., L., Hillier, M., S.
  1993
- **SCREENING WOMEN OF CHILDBEARING AGE FOR HUMAN-IMMUNODEFICIENCY-VIRUS - A COST-BENEFIT-ANALYSIS** *ARCHIVES OF INTERNAL MEDICINE*
  Brandeau, M. L., Owens, D. K., Sox, C. H., Wachter, R. M.
  1992; 152 (11): 2229-2237
- **CHARACTERIZATION OF THE STOCHASTIC MEDIAN QUEUE TRAJECTORY IN A PLANE WITH GENERALIZED DISTANCES** *OPERATIONS RESEARCH*
  Brandeau, M. L.
  1992; 40 (2): 331-341
- **AIDS: Thoughts on managing a deadly epidemic.** *OR/MS Today.*
  Kaplan, E., H., Brandeau, M., L.
  1992: 50-52.
- **A center location problem with congestion.** *Annals of Operations Research*
  Brandeau, M., L., Chiu, S., S.
  1992; 1 (40): 17-32.
- **Application of analytic models for material handling system design: Analysis of stochastic effects.**
  Johnson, M., E., Brandeau., M., L.
  1992

- **Screening women of childbearing age for human immunodeficiency virus: A cost-benefit analysis.** *Archives of Internal Medicine*
  Brandeau, M., L., Owens, D., K., Sox, C., H., Wachter, R., M
  1992; 11 (152): 2229-2237
- **Characterization of the stochastic queue median trajectory in a plane with generalized distances.** *Operations Research*
  Brandeau, M., L.
  1992; 2 (40): 331-341.
- **Integrated design and control of automated guided vehicle systems.** *Planning and Control of Material Handling Systems*
  Johnson, M., E., Brandeau., M., L.
  American Society of Manufacturing Engineers.1992: 17–32.
- **Analytical models for design of automated guided vehicle systems.**
  Brandeau, M., L., Johnson, M., E.
  1992
- **A POLICY MODEL OF HUMAN-IMMUNODEFICIENCY-VIRUS SCREENING AND INTERVENTION** *INTERFACES*
  Brandeau, M. L., Lee, H. L., Owens, D. K., Sox, C. H., Wachter, R. M.
  1991; 21 (3): 5-25
- **DESIGN OF MANUFACTURING CELLS - OPERATION ASSIGNMENT IN PRINTED-CIRCUIT BOARD MANUFACTURING** *JOURNAL OF INTELLIGENT MANUFACTURING*
  Brandeau, M. L., BILLINGTON, C. A.
  1991; 2 (2): 95-106
- **HIV TESTING OF PREGNANT-WOMEN AND NEWBORNS** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
  Wachter, R. M., Cooke, M., Brandeau, M. L., Owens, D. K.
  1991; 265 (12): 1525-1525
- **PARAMETRIC ANALYSIS OF OPTIMAL FACILITY LOCATIONS** *NETWORKS*
  Brandeau, M. L., Chiu, S. S.
  1991; 21 (2): 223-243
- **A policy model of human immunodeficiency virus screening and intervention.** *Interfaces*
  Brandeau, M., L., Lee, H., L., Owens, D., K., Sox, C., H., Wachter, R., M
  1991; 3 (21): 5-25.
- **Parametric analysis of optimal facility locations.** *Networks*
  Brandeau, M., L., Chiu, S., S.
  1991; 2 (21): 223-243.
- **Design of manufacturing cells: Operation assignment in printed circuit board manufacturing.** *Journal of Intelligent Manufacturing,*
  Brandeau, M., L., Billington, C., A
  1991; 2 (2): 95-106
- **HIV testing of pregnant women and newborns [Letter].** *Journal of the American Medical Association*
  Wachter, R., M., Cooke, M., Brandeau, M., L., Owens, D., K.
  1991; 265: 1525
- **A UNIFIED FAMILY OF SINGLE-SERVER QUEUING LOCATION MODELS** *OPERATIONS RESEARCH*
  Brandeau, M. L., Chiu, S. S.
  1990; 38 (6): 1034-1044
- **TRAJECTORY ANALYSIS OF THE STOCHASTIC QUEUE MEDIAN IN A PLANE WITH RECTILINEAR DISTANCES** *TRANSPORTATION SCIENCE*
  Brandeau, M. L., Chiu, S. S.
  1990; 24 (3): 230-243
- **A unified family of single-server queuing location models.** *Operations Research*
  Brandeau, M., L., Chiu, S., S.

1990; 6 (38): 1034-1044.

- **Trajectory analysis of the stochastic queue median in a plane with rectilinear distances.** *Transportation Science*
  Brandeau, M., L., Chiu, S., S.
  1990; 3 (24): 230-243
- **Policy analysis of human immunodeficiency virus screening and intervention: An overview of modeling approaches.** *AIDS and Public Policy Journal*
  Brandeau, M., L., Lee, H., L., Owens, D., K., Sox, C., H., Wachter, R., M
  1990; 3 (5): 119-131.
- **AN OVERVIEW OF REPRESENTATIVE PROBLEMS IN LOCATION RESEARCH** *MANAGEMENT SCIENCE*
  Brandeau, M. L., Chiu, S. S.
  1989; 35 (6): 645-674
- **An overview of representative problems in location research** *[Extended abstract]. OR/MS Today*
  Brandeau, M., L., Chiu, S., S.
  1989: 57-58.
- **An overview of representative problems in location research.** *Management Science*
  Brandeau, M., L., Chiu, S., S.
  1989; 6 (35): 645-674
- **Review of Operations Management for Distributed Service Networks by N. Ahituv and O. Berman.** *Interfaces*
  Brandeau, M., L.
  1989: 84-86.
- **A mathematical model of AIDS screening.** *Stanford Engineering*
  Brandeau, M., L., Lee, H., L., Sox, C., H.
  1989: 8-15.
- **ESTABLISHING CONTINUITY OF CERTAIN OPTIMAL PARAMETRIC FACILITY LOCATION TRAJECTORIES** *TRANSPORTATION SCIENCE*
  Brandeau, M. L., Chiu, S. S.
  1988; 22 (3): 224-225
- **PARAMETRIC FACILITY LOCATION ON A TREE NETWORK WITH AN LP-NORM COST FUNCTION** *TRANSPORTATION SCIENCE*
  Brandeau, M. L., Chiu, S. S.
  1988; 22 (1): 59-69
- **Establishing continuity of certain optimal parametric facility location trajectories.** *Transportation Science*
  Brandeau, M., L., Chiu, S., S.
  1988; 3 (22): 224-225.
- **Parametric facility location on a tree network with an Lp norm cost function.** *Transportation Science*
  Brandeau, M., L., Chiu, S., S.
  1988; 1 (22): 59-69.
- **AN INTEGRATED BUDGET MODEL FOR MEDICAL-SCHOOL FINANCIAL-PLANNING** *OPERATIONS RESEARCH*
  Brandeau, M. L., HOPKINS, D. S., Melmon, K. L.
  1987; 35 (5): 684-703
- **The workup of the asymptomatic patient with a positive fecal occult blood test.** *Medical Decision Making*
  Brandeau, M., L., Eddy, D., M.
  1987; 1 (7): 32-46.
- **THE WORKUP OF THE ASYMPTOMATIC PATIENT WITH A POSITIVE FECAL OCCULT BLOOD-TEST** *MEDICAL DECISION MAKING*
  Brandeau, M. L., Eddy, D. M.
  1987; 7 (1): 32-46
- **An integrated budget model for medical school financial planning.** *Operations Research*
  Brandeau, M., L., Hopkins, D., S.P., Melmon, K., W.

1987; 5 (35): 684-703.

- **Extending and applying the Hypercube Queueing Model to deploy ambulances in Boston.** *In Management Science and the Delivery of Urban Service, Vol. 22, 121-154, North- Holland/Elsevier, 1986.*
  Brandeau, M., L., Larson., R., C.
  TIMS Studies in the Management Sciences Series, North-Holland/Elsevier,.1986: 121–154
- **Locating the two-median of a tree network with continuous link demands.** *Annals of Operations Research*
  Brandeau, M., L., Chiu, S., S., Batta, R.
  1986; 7 (6): 223-253.
- **A patient mix model for hospital financial planning** *Inquiry*
  Brandeau, M., L., Hopkins, D., S.
  1984; 1 (21): 32-44
- **A PATIENT MIX MODEL FOR HOSPITAL FINANCIAL-PLANNING** *INQUIRY-THE JOURNAL OF HEALTH CARE ORGANIZATION PROVISION AND FINANCING*
  Brandeau, M. L., HOPKINS, D. S.
  1984; 21 (1): 32-44
- **A National Assessment of Police Command, Control, and Communications Systems.** *National Institute of Justice, Washington, DC*
  Colton, K., W., Brandeau, M., L., Tien, J., M.
  1983