



Margaret Brandeau

Coleman F. Fung Professor in the School of Engineering and Professor, by courtesy, of Medicine (PCOR)

Management Science and Engineering

 Curriculum Vitae available Online

CONTACT INFORMATION

- **Administrator**

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Bio

BIO

Professor Brandeau is the Coleman F. Fung Professor in the School of Engineering and a Professor of Medicine (by Courtesy). Her research focuses on the development of applied mathematical and economic models to support health policy decisions. Her recent work has focused on HIV prevention and treatment programs, programs to control the spread of hepatitis B virus, and public health preparedness plans. 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, 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), Medicine - Primary Care Outcomes Research

HONORS AND AWARDS

- 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, Office of AIDS Research Advisory Council, National Institutes of Health (2018 - present)
- 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

2019-20

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

2018-19

- Doctoral Research Seminar in Health Systems Modeling: MS&E 390 (Aut, Win, Spr)
- Fundamental Concepts in Management Science and Engineering: MS&E 302 (Aut)
- Health Policy Modeling: MS&E 292 (Win)
- Part-Time Practical Training: MS&E 208E (Aut, Win, Spr, Sum)
- Practical Training: MS&E 208A (Aut, Win, Spr, Sum)
- Practical Training: MS&E 208B (Aut, Win, Spr, Sum)
- Practical Training: MS&E 208C (Aut, Win, Spr, Sum)
- Practical Training: MS&E 208D (Aut, Win, Spr, Sum)

2017-18

- Doctoral Research Seminar in Health Systems Modeling: MS&E 390 (Aut, Win, Spr)
- Fundamental Concepts in Management Science and Engineering: MS&E 302 (Aut)
- Health Policy Modeling: MS&E 292 (Win)
- Part-Time Practical Training: MS&E 208E (Aut, Win, Spr, Sum)
- Practical Training: MS&E 208A (Aut, Win, Spr, Sum)
- Practical Training: MS&E 208B (Aut, Win, Spr, Sum)
- Practical Training: MS&E 208C (Aut, Win, Spr, Sum)
- Practical Training: MS&E 208D (Aut, Win, Spr, Sum)

2016-17

- Doctoral Research Seminar in Health Systems Modeling: MS&E 390 (Aut, Win, Spr)
- Fundamental Concepts in Management Science and Engineering: MS&E 302 (Aut)
- Health Policy Modeling: MS&E 292 (Win)
- Practical Training: MS&E 208A (Win, Spr, Sum)
- Practical Training: MS&E 208B (Win, Spr, Sum)
- Practical Training: MS&E 208C (Win, Spr, Sum)
- Practical Training: MS&E 208D (Win, Spr, Sum)
- Practical Training: MS&E 208E (Win, Spr, Sum)

STANFORD ADVISEES

Doctoral Dissertation Advisor (AC)

Jack Ching, Anneke Claypool, Michael Fairley, Giovanni Malloy, Alton Russell, Christopher Weyant, Huaiyang Zhong

Master's Program Advisor

Sruti Arulmani, Andrea Banuet, Augustine Chemparathy, Alice Kate Cummings Joyner

Doctoral (Program)

Johannes Ferstad, S K, Isabelle Rao

Publications

PUBLICATIONS

- **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

- **Health outcomes and cost-effectiveness of treating depression in people with HIV in Sub-Saharan Africa: a model-based analysis.** *AIDS care*
Zhong, H., Arjmand, I. K., Brandeau, M. L., Bendavid, E.
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 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
- **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
- **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
- **Structural Sensitivity in HIV Modeling: A Case Study of Vaccination.** *Infectious Disease Modelling*
Bernard, C. L., Brandeau, M. L.
2017; 2 (4): 399–411
- **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
- **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.
2017; 16 (1): 403
- **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
- **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.
2017; 7 (11): e018374
- **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? 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., Igame, 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*

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- 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
 - **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)
 - **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
 - **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.
 - **Institute of Medicine Committee on Prepositioned Medical Countermeasures.** *Prepositioning Antibiotics for Anthrax.*
Brandeau, M., L.
2011
 - **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.
- **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 and Control 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 & AIDS*
Tole, S. P., Sanders, G. D., Bayoumi, A. M., Galvin, C. M., Vinichenko, T. N., Brandeau, M. L., Owens, D. K.
2009; 20 (1): 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.
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Brandeau, M., L., Zaric, G., S.
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- **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.
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