#### **Curriculum Vitae**

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## **Education**

| 2005 | B.S., Magna Cum | Molecular Biophysics and     | Yale University,        |
|------|-----------------|------------------------------|-------------------------|
|      | Laude           | Biochemistry                 | New Haven, CT           |
| 2006 | M.M.            | Oboe Performance             | Yale School of Music,   |
|      |                 |                              | New Haven, CT           |
| 2011 | M.D., Magna Cum | Medicine                     | Harvard Medical School  |
|      | Laude           |                              | (HMS),                  |
|      |                 |                              | Boston, MA              |
| 2016 | M.S.            | Health Policy and Management | Harvard T. H. Chan      |
|      |                 | •                            | School of Public Health |
|      |                 |                              | (HSPH), Boston, MA      |

## **Postdoctoral Training**

| 6/2011-<br>7/2012 | Intern          | Internal Medicine and Primary<br>Care                                 | Brigham and Women's<br>Hospital (BWH), Boston,<br>MA |
|-------------------|-----------------|---|--|
| 7/2012-<br>7/2014 | Resident        | Internal Medicine and Primary<br>Care, Management Leadership<br>Track | BWH  |
| 7/2014-<br>6/2016 | Research Fellow | Internal Medicine   | BWH/HMS  |

## Faculty Academic Appointments

| 7/2016-           | Assistant Professor | Health Policy and Management | HSPH |
|-------------------|---------------------|------------------------------|------|
| 7/2016-<br>1/2019 | Instructor          | Medicine                     | HMS  |
| 2/2019-           | Assistant Professor |                              |      |

## **Appointments at Hospitals/Affiliated Institutions**

| 7/2014- | Associate Physician | General Medicine | BWH                 |
|---------|---------------------|------------------|---------------------|
| 7/2014- | Associate Physician | General Medicine | Brigham and Women's |
|         |                     |                  | Faulkner Hospital   |
|         |                     |                  | (BWFH), Boston, MA  |

## **Other Professional Positions**

| 2010-2017 | Medical Advisor          | Ginger.io, San Francisco, CA |
|-----------|--------------------------|------------------------------|
| 2012-2013 | Ad Hoc Consultant        | Kyruus Inc., Boston, MA      |
| 2016-     | Associate Faculty Member | Ariadne Labs, Boston, MA     |

# **Committee Service**

## Local

| 2009-2010          | Patient-Doctor III Steering Committee, Member  | HMS         |
|--------------------|--|-------------|
| 2010-2011          | Subcommittee of Scholars in Medicine Curriculum, Member  | HMS         |
| 2010-2011          | Crimson Care Collaborative   | HMS         |
| 2012-2013          | Research/Outcomes Committee, Chair<br>Timed Lab Improvement Committee,<br>Member                   | BWH         |
| 2013-2014          | Internal Medicine Residency Information Technology committee, Member                               | BWH         |
| 2013-2014          | Pharmacy and Therapeutics Committee, Member  | BWH         |
| 2013-2014<br>2017- | Clinical Improvement Committee, Member<br>Health Policy and Management MPH<br>Admissions Committee | BWH<br>HSPH |

# Regional

| 2017- | Member, Coalition for the Prevention of | Massachusetts Coalition for the |
|-------|---|---------------------------------|
|       | Medical Errors                          | Prevention of Medical Errors    |

## National

| 2018 | Member, Medication Management and   | Center for Medicare and Medicaid |  |
|------|-------------------------------------|----------------------------------|--|
|      | Opioids Change Package Review Group | Services                         |  |

## **Professional Societies**

| 2010- | Society of General Internal Medicine (SGIM) |  |
|-------|---|--|
|       | 2015-                                       | Reviewer, Abstract Selection Committee |
| 2010- | AcademyHealth                               |  |
|       | 2018-                                       | Theme Reviewer, Payment and Delivery   |
|       |   | Systems Innovation                     |
| 2013- | American Medical Association (AMA)          |  |

# **Grant Review Activities**

| 2017- | Responsive Research Grant Program | Retirement Research Foundation |
|-------|-----------------------------------|--------------------------------|
|       | 2017-                             | Ad Hoc Reviewer                |
| 2018  | Individual Research Grant Program | Israel Science Foundation      |
|       | 2018                              | Ad Hoc Reviewer                |

## **Editorial Activities**

#### Ad hoc Reviewer

Addiction

American Economic Review

American Journal of Epidemiology

Annals of Family Medicine

Annals of Internal Medicine

American Sociological Review

**British Medical Journal** 

**Health Affairs** 

Health Services Research

**JAMA** 

JAMA Internal Medicine

JAMA Network Open

JAMA Psychiatry

JAMA Surgery

Journal of the American Medical Informatics Association

Journal of General Internal Medicine

Journal of Health Economics

Journal of Telemedicine and Telecare

Milbank Quarterly

Nature Human Behavior

Nature Medicine

New England Journal of Medicine

**Pediatrics** 

**Psychiatric Services** 

Social Science & Medicine

#### Other Editorial Roles

2013-2015 Assistant Editor Healthcare: The Journal of Delivery

Science and Innovation

2015- Associate Editor

#### **Honors and Prizes**

| 2005 | Phi Beta Kappa                                     | Yale University           |  |
|------|--|---------------------------|--|
| 2005 | Bach Society Prize                                 | Yale University           | Outstanding accomplishments in the performing arts at Yale |
| 2009 | 2 <sup>nd</sup> Prize Essay Contest                | Arnold P. Gold Foundation |  |
| 2010 | Doris Duke Foundation Clinical Research Fellowship | Doris Duke Foundation     |  |

| 2011Daniel Ford Research AwardJohns Hopkins Division of<br>General Internal Medicine2012Martin P. Solomon Primary<br>Care Scholarship AwardBWH2017Milton W. Hamolsky Jr. Award<br>WinnerSociety for General<br>Internal MedicineFor outstanding abstract<br>presentation2017Best of Annual Research<br>Meeting AbstractAcademyHealthBest abstract in "Behavioral<br>Health" theme2018Best Published Research<br>Paper of 2017Society for General<br>Internal MedicineHealth" theme2018-19Outstanding Peer ReviewerAnnals of Internal Medicine2019Finalist, 25th Annual Health<br>Care Research AwardNational Institute for Health<br>Care Management<br>FoundationBest poster in "Improving<br>Quality, Safety and Value"<br>theme2019Best of Annual Research<br>Meeting AbstractAcademyHealthBest abstract in "Behavioral<br>Health" theme2019AcademyHealth Publication-of-<br>the-Year AwardAcademyHealthOne of 10 papers selected<br>by editor-in-chief as "the<br>best of Annals in the past<br>year"2019Outstanding Peer ReviewerHealth Services ResearchOne of 10 papers   | 2011    | Soma Weiss Award           | HMS                         | For excellence in research                                   |
|--|---------|----------------------------|-----------------------------|--|
| Care Scholarship Award  Milton W. Hamolsky Jr. Award Winner  Best of Annual Research Meeting Abstract  Outstanding Peer Reviewer  Care Research Award  Polity  Best of Annual Research Paper of 2017  Best of Manual Research Paper of 2017  Care Research Award  Care Management Foundation  Poster  Meeting Poster  AcademyHealth  Care Management Foundation  AcademyHealth  Best poster in "Improving Quality, Safety and Value" theme  AcademyHealth  Meeting Abstract  AcademyHealth  Meeting Abstract  AcademyHealth  Best of Annual Research Meeting Abstract  AcademyHealth  Care Management Foundation  AcademyHealth  Best abstract in "Behavioral Health" theme  AcademyHealth  Care Management Foundation  AcademyHealth  Best of Annual Research Meeting Abstract  AcademyHealth  Meeting Abstract  AcademyHealth  Care Management Foundation  AcademyHealth  Best of Annual Research Meeting Abstract  AcademyHealth  Care Management Foundation  AcademyHealth  Best poster in "Improving Quality, Safety and Value" theme  AcademyHealth  Care Management Foundation  AcademyHealth  Best of Annual Research Meeting Abstract in "Behavioral Health" theme  AcademyHealth  Care Management Foundation  AcademyHealth  Care Management Foundation  AcademyHealth  Best poster in "Improving Quality, Safety and Value" theme  One of 10 papers selected by editor-in-chief as "the best of Annals in the past year" | 2011    | Daniel Ford Research Award | •                           |  |
| Winner Internal Medicine presentation  2017 Best of Annual Research Meeting Abstract  2018 Best Published Research Paper of 2017 Internal Medicine  2018-19 Outstanding Peer Reviewer Annals of Internal Medicine  2019 Finalist, 25 <sup>th</sup> Annual Health Care Management Foundation  2019 Best of Annual Research Meeting Poster  2019 Best of Annual Research AcademyHealth Meeting Poster  2019 Best of Annual Research AcademyHealth Meeting Abstract  2019 AcademyHealth Publication-of-the-Year Award  2019 Best of 2019 Annals of Internal Medicine  Annals of Internal Medicine  AcademyHealth Desire Meeting Abstract  AcademyHealth One of 10 papers selected by editor-in-chief as "the best of Annals in the past year"   | 2012    | •                          | BWH                         |  |
| Meeting Abstract  2018 Best Published Research Paper of 2017  2018-19 Outstanding Peer Reviewer  2019 Finalist, 25 <sup>th</sup> Annual Health Care Research Award  2019 Best of Annual Research Meeting Poster  2019 Best of Annual Research AcademyHealth Meeting Abstract  2019 AcademyHealth Publication-of-the-Year Award  2019 Best of 2019  2019 Best of 2019  2019 AcademyHealth Publication-of-the-Year Award  2019 Best of 2019  2019 Annals of Internal Medicine  2019 Annals of Internal Medicine  2019 One of 10 papers selected by editor-in-chief as "the best of Annals in the past year"   | 2017    |                            | •                           | _  |
| Paper of 2017 Internal Medicine  2018-19 Outstanding Peer Reviewer Annals of Internal Medicine  2019 Finalist, 25 <sup>th</sup> Annual Health Care Research Award Care Management Foundation  2019 Best of Annual Reseearch Meeting Poster AcademyHealth Meeting Poster  2019 Best of Annual Research Meeting Abstract AcademyHealth Best abstract in "Behavioral Health" theme  2019 AcademyHealth Publication-of-the-Year Award  2019 Best of 2019 Annals of Internal Medicine One of 10 papers selected by editor-in-chief as "the best of Annals in the past year"   | 2017    |                            | AcademyHealth               |  |
| 2019 Finalist, 25 <sup>th</sup> Annual Health Care Research Award  2019 Best of Annual Reseearch Meeting Poster  2019 Best of Annual Research Meeting Abstract  2019 AcademyHealth Publication-of- the-Year Award  2019 Best of 2019  Annals of Internal Medicine  2019 One of 10 papers selected by editor-in-chief as "the best of Annuals in the past year"   | 2018    |                            |                             |  |
| Care Research Award  Care Management Foundation  2019  Best of Annual Reseearch Meeting Poster  AcademyHealth  Best poster in "Improving Quality, Safety and Value" theme  AcademyHealth  Meeting Abstract  AcademyHealth  Meeting Abstract  AcademyHealth  AcademyHealth  AcademyHealth  AcademyHealth  Best abstract in "Behavioral Health" theme  AcademyHealth  Theme  AcademyHealth  Theme  Annals of Internal Medicine  One of 10 papers selected by editor-in-chief as "the best of Annals in the past year"  | 2018-19 | Outstanding Peer Reviewer  | Annals of Internal Medicine |  |
| Meeting Poster  2019 Best of Annual Research Meeting Abstract  2019 AcademyHealth Publication-of-the-Year Award  2019 Best of 2019  Annals of Internal Medicine  Quality, Safety and Value" theme  Best abstract in "Behavioral Health" theme  AcademyHealth  One of 10 papers selected by editor-in-chief as "the best of Annals in the past year"  | 2019    | •                          | Care Management             |  |
| Meeting Abstract  AcademyHealth Publication-of-the-Year Award  Annals of Internal Medicine  Annals of Annals in the past year"  Health" theme  AcademyHealth  One of 10 papers selected by editor-in-chief as "the best of Annals in the past year"  | 2019    |                            | AcademyHealth               | Quality, Safety and Value"                                   |
| the-Year Award  2019 Best of 2019 Annals of Internal Medicine One of 10 papers selected by editor-in-chief as "the best of <i>Annals</i> in the past year"   | 2019    |                            | AcademyHealth               |  |
| by editor-in-chief as "the<br>best of <i>Annals</i> in the past<br>year"   | 2019    |                            | AcademyHealth               |  |
| 2019 Outstanding Peer Reviewer Health Services Research  | 2019    | Best of 2019               | Annals of Internal Medicine | by editor-in-chief as "the best of <i>Annals</i> in the past |
|  | 2019    | Outstanding Peer Reviewer  | Health Services Research    |  |

# **Report of Funded and Unfunded Projects**

# **Funding Information**

## Past

| The impact of payment reform on physician referrals, patient flows and health care costs  National Institute for Health Care Management [Investigator-Initiated Research Grant]  Lead Author and Co-Investigator (PI: Bruce Landon)  |
|--|
| Evaluating the Blue Shield of California Narcotic Safety Initiative Jointly funded by the California Health Care Foundation and Blue Shield of California PI (\$80,000) [Investigator-Initiated Grant] An evaluation of a set of formulary changes to promote safe narcotic prescribing in on of California's largest insurers |
| Evaluating the Los Angeles Department of Health Services eConsult Program Jointly funded by the California Health Care Foundation and Blue Shield Foundation of California   |
|  |

Co-PI (\$125,000) (Other PI: Ateev Mehrotra) [Investigator-Initiated Grant]
A two-year evaluation of the impact of the eConsult program in the Los Angeles
Department of Health Services, the second largest public health system in the US.

#### Current

2018-2020 Evaluating the NYC Health + Hospitals eConsult Program

NYC Health + Hospitals

PI (\$85,000) [Investigator-Initiated Grant]

A one-year evaluation of the impact of the eConsult program in New York City's Health + Hospitals, the largest public health system in the US.

2018-2022 The Changing Landscape of Post-Acute Care and Health Outcomes for Older Adults

K23 – National Institute on Aging

PI (\$190,000)

This training grant proposes integrated training and research to understand how payment reform influences post-acute care and health outcomes for older adults.

2018-2020 Improving Specialty Care Delivery in the Safety Net with Natural Language Processing

R21 – National Institute on Minority Health and Disparities

Multi-PI (\$130,000) (Co-PI: Timothy Miller, Boston Children's Hospital)

In collaboration with safety net systems in Los Angeles, San Francisco and New York City, this proposal aims to enhance delivery of specialty care delivery in safety net health systems by developing natural language processing tools to provide feedback on the specialty being delivered in a health system.

2019-2020 Evidence-based Approaches to Opioid Epidemic Abatement

Laura and John Arnold Foundation

Co-Investigator (\$400,000) (PI: Richard Frank)

This project is a multi-institute collaboration to review the existing literature on delivery reforms for opioid use disorder and recommended the highest value potential investments for opioid abatement funds from opioid manufacturer lawsuits.

2019-2024 Use of prescription opioids and associated adverse patient outcomes following general

medical hospitalizations in Medicare

R01 – Agency for Healthcare Research and Quality

Co-Investigator (\$375,000) (PI: Anupam Jena)

This proposal aims to examine the factors influencing opioid prescribing at hospital discharge and its relationship to long-term opioid use and patient outcomes

2020-2022 Understanding the Use and Discontinuation of Chronic Opioid Therapy in Older Adults

to Guide Opioid Prescribing Policy

Research Grant – Retirement Research Foundation

Principal Investigator (\$100,000)

This grant proposes to study current trends in chronic opioid therapy in older adults, patterns of discontinuation and tapering of chronic opioid therapy and patient outcomes tied to discontinuation.

2020-2021 Reducing antibiotic prescribing through a prioritized vaccination strategy

Wellcome Trust Fund

Co-Investigator (\$161,930) (PI: Yonatan Grad)

This project proposes to evaluate the association of PCV13 uptake on the recent declines in outpatient antibiotic prescribing in the US and estimate the antibiotic

prescribing attributable to the most common pathogens and variation by age, demographic, and geography.

2020-2021 Understanding drivers of variation in antibiotic prescribing in the US

**HSPH Acceleration Award** 

Co-Investigator (\$83,000) (PI: Yonatan Grad)

This project proposes to define the drivers of temporal and geographic variation in

outpatient antibiotic prescribing in the US.

2020-2021 Measuring the resilience of nursing homes during COVID-19

HSPH Acceleration Award Principal Investigator (\$100,000)

This project proposes to perform a nationally representative survey of SNF executive directors to address this evidence gap. We will measure how SNFs have responded to COVID-19 and the capacity for continued response to inform policy to allocate funds and provide other resources to support implementation and address the critical

weaknesses in SNFs' capacity now and in future waves.

## **Projects Submitted for Funding**

Pending Use of prescription opioids following surgery and associated adverse patient outcomes

in older adults

R01 – National Institute on Aging

Co-Investigator (\$400,000) (PI: Anupam Jena)

This proposal aims to examine the factors influencing opioid prescribing at after

surgery and its relationship to long-term opioid use and patient outcomes

## **Report of Local Teaching and Training**

## **Teaching of Students in Courses**

#### **HMS/HSDM/DMS Courses**

2015 Health Care Policy, HC750.0 HMS

1<sup>st</sup> year medical students 8 separate 2-hour tutorial sessions

#### **Other Harvard University Courses**

2018- HPM 505, Health Care Delivery Reform in HSPH

the US

MPH and other Master's Degree students 2.5 credit course, 16 weeks with 3

hours of class weekly

2018 GHP 555, Management Practices in

Health Care Delivery

Master's level students from in health

leadership positions globally

1.5-hour guest lecture and discussion

#### Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

2012 Pulmonary function tests for the internist BWH

1.5 hour lecture

**HSPH** 

| 2013      | Intern curriculum: various clinical topics                      | BWH  |
|-----------|---|--|
|           | including chest pain, electrolytes and<br>altered mental status | 3 separate 1 hour discussion sections  |
| 2013      | Musculoskeletal medicine for primary                            | BWH  |
|           | care: the ankle   | 0.5 hour lecture   |
| 2013      | Morning reports: various clinical topics                        | BWH  |
|           | including endocarditis, hypercalcemia, and ARDS                 | 3 separate 1 hour lectures   |
| 2014      | The medical neighborhood: how to make                           | BWH  |
|           | care coordination a reality                                     | 1 hour lecture   |
| 2015      | Clinical epidemiology: quasi-experimental                       | BWH  |
|           | methods   | 1 hour lecture   |
| 2017      | IM Residency Management Leadership                              | BWH  |
|           | Track Lecture: Understanding physician prescribing of opioids   | 1 hour lecture   |
| 2016-2018 | Journal Club for primary care residents                         | BWH  |
|           |   | 1 hour lecture   |
| 2019      | Noon Conference Lecture: The role of                            | BWH  |
|           | physicians in the opioid crisis                                 | 1 hour lecture   |
| 2020      | Opioid prescribing and the opioid crisis                        | Partners Center of Excellence in Health Policy Certificate Course 1 hour lecture |
|           |   |  |

# **Clinical Supervisory and Training Responsibilities**

| 2011-2014 | Internal medicine resident, BWH      | 30 weeks a year    |
|-----------|--------------------------------------|--------------------|
| 2016-     | Primary care clinical preceptor, BWH | 8-16 hours monthly |

# **Laboratory and Other Research Supervisory and Training Responsibilities**

| 2010-2013 | Non-resident pre-medical tutor, Cabot | Regular mentorship for 6 months |
|-----------|---------------------------------------|---------------------------------|
|           | House, Harvard University             |                                 |

# **Informally Supervised Trainees and Faculty:**

| 2017-2018 | Scott Olesen, PhD / Scientific Director at OpenBiome. Career stage: post-doctoral fellow at HSPH. Accomplishments: Two first-author peer-reviewed manuscripts in BMJ and eLife describing antibiotic use in the US and association with antibiotic resistance.                    |
|-----------|---|
| 2017-2019 | Adrian Mosqueira, MA / Graduate student at Harvard University. Mentored on first-<br>author paper examining physician compensation and association with quality of care.<br>Accepted at Inquiry.  |
| 2017-2019 | Sumit Agarwal, MD / General internal medicine fellow, HMS and BWH. Mentored on two first-author papers on new primary billing codes in Medicare. One published in JAMA, second in Health Affairs.   |
| 2017-     | Tamara Beetham, BA / Master's student at HSPH. Mentored on 3 first-author papers on addiction treatment at JAMA, Annals of Internal Medicine and one under revision at Health Affairs. Winner of Best of ARM abstract award from AcademyHealth. Now graduate student at Yale SPH. |

| 2019- | Adrienne Sabety, PhD / Graduate student at FAS. Mentored on first-author paper on PCP exit and care outcomes. Also contributed to RRF grant proposal which was award. One paper under review. Now assistant professor at Notre Dame University. |
|-------|---|
| 2019- | Regan Bergmark, MD / Associate Surgeon, Division of Otolaryngology, BWH. Serving as a mentor on K08 application to AHRQ.  |

# **Formal Teaching of Peers**

No presentations below were sponsored by outside entities.

| 2017-2018 | "Update in Health Policy" Office Practice of Primary Care Medicine, HMS  | Single Presentation,<br>Boston, MA    |
|-----------|--|---------------------------------------|
| 2018      | "Understanding Physician Opioid Prescribing",<br>Treating Addictions Annual CME Course, HMS and<br>Cambridge Health Alliance | Single Presentation,<br>Cambridge, MA |

# Formally Mentored Harvard Medical, Dental and Graduate Students:

| 2020- | Xiyu "Grace" Ding / Master's student at HSPH. Served as a member of Master's thesis committee                        |
|-------|--|
| 2020- | Nazleen Khan / PhD candidate in Population Health Sciences (Epidemiology) at HSPH. Member of Dissertation Committee. |

# **Local Invited Presentations**

No presentations below were sponsored by outside entities.

| 2014 | Ginger.io: Improving chronic disease management with mobile technology/Invited lecture BWH Center for Patient Safety Research and Practice, Executive Council Meeting, |
|------|--|
|      | Boston, MA   |
| 2017 | Specialty Care in the Safety Net/Grand Rounds Cambridge Health Alliance, Cambridge, MA   |
| 2017 | Understanding Physician Opioid Prescribing/Grand Rounds<br>Center for Addiction Medicine, Massachusetts General Hospital (MGH), Boston, MA                             |
| 2018 | Opioid Prescribing and the Opioid Crisis in the US/Invited lecture<br>Harvard Kennedy School Healthcare Policy Leadership Conference, Cambridge, MA                    |
| 2019 | Understanding Health Care Delivery in the US<br>Harvard Advanced Leadership Institute, Cambridge, MA   |
| 2019 | Bundled Payments for Joint Replacement/Grand Rounds Brigham and Women's Faulkner Hospital  |
| 2019 | Opioid Prescribing and the Opioid Crisis in the US/Invited seminar<br>Beth Israel Deaconess Medical Center (BIDMC), Smith Center for Outcomes<br>Research, Boston, MA  |
| 2020 | Exploring Specialty Care Delivery in the US/Grand rounds Department of Allergy, Massachusetts General Hospital, Boston, MA   |
| 2020 | Examining Opioid Use Disorder Treatment with Secret Shopper Surveys  |

Division of Health Policy and Insurance Research, Harvard Pilgrim Health Care Institute, Boston, MA

## **Local Abstract Oral Presentations**

2011 Physician networks are associated with the cost of intensity of care in US hospitals Soma Weiss Research Day, HMS

# Report of Regional, National and International Invited Teaching and Presentations Invited Presentations and Courses

No presentations below were sponsored by outside entities.

## Regional

| 2011 | Mapping physician networks and healthcare delivery in US hospitals/Invited oral presentation   |
|------|--|
|      | Social Networks and Healthcare Summit 2011, Cambridge, MA  |
| 2011 | Creativity in music and medicine/Invited lecture<br>Cultivating Humanism: A Symposium on Medicine and the Arts, Massachusetts<br>Medical Society, Cambridge, MA          |
| 2011 | Mapping physician networks with self-reported and administrative data/Invited oral presentation SGIM New England Regional Conference, Boston, MA                         |
| 2012 | Mapping physician networks and healthcare delivery in US hospitals/Invited lecture RAND Corporation, Boston, MA  |
| 2015 | Validating the Master Patient Index in the Massachusetts All Payer Claims Database/Invited lecture   |
|      | Center for Health Information and Analysis, Boston, MA   |
| 2015 | Implementation of an electronic referral system in a large academic medical center/Plenary Session SGIM New England Regional Conference, Boston, MA                      |
| 2017 | Day of the Week and Physician Decision Making/Invited oral presentation  |
| 2017 | SGIM New England Regional Conference, Boston, MA   |
| 2017 | Understanding Physician Opioid Prescribing/Grand Rounds<br>MetroWest Medical Center, Framingham, MA  |
| 2018 | Insurance turnover, care fragmentation and emergency department utilization in Massachusetts/Invited Guest Lecture Massachusetts Department of Public Health, Boston, MA |
| 2019 | Opioid Prescribing and the Opioid Crisis in the US/Invited seminar Department of Quantitative Health Sciences, University of Massachusetts Medical School (UMMS)         |
|      |  |

#### **National**

| 2010 | Physicians networks are associated with the cost and intensity of care in US hospitals/Invited oral presentation NetSci 2010, Cambridge, MA |
|------|---|
| 2011 | Mapping physician networks with self-reported and administrative data/Invited oral presentation   |

|      | SGIM Annual Conference, Phoenix, AZ   |
|------|---|
| 2011 | Research models and quality assessment in student clinics/Invited oral presentation Society for Free Student-Run Clinics Annual Conference, Houston, TX   |
| 2014 | Understanding variation in PCP referral patterns in a large multispecialty practice group/Invited oral presentation SGIM Annual Conference, San Diego, CA   |
| 2015 | Insurance turnover, care fragmentation and emergency department utilization in Massachusetts, 2011-2012/Invited oral presentation SGIM Annual Conference, Toronto, ON   |
| 2015 | Insurance turnover care fragmentation and emergency department utilization in Massachusetts, 2011-2012/Invited oral presentation AcademyHealth Annual Research Meeting, Minneapolis, MN                                 |
| 2015 | Contributions of patients' clinical and social characteristics to difference in hospital readmission rates/Invited oral presentation AcademyHealth Annual Research Meeting, Minneapolis, MN                             |
| 2017 | Los Angeles Safety-Net Program eConsult System was rapidly adopted and decreased wait times to see specialists/ Invited oral presentation Health Affairs Delivery System Innovation Issue Press Briefing, Washington DC |
| 2017 | Widespread adoption of electronic specialty referrals in a large safety-net system enables rapid access to specialty care/Invited oral presentation SGIM Annual Conference, Washington, DC                              |
| 2017 | Patient mortality during unannounced accreditation surveys at US hospitals/Invited oral presentation AcademyHealth Annual Research Meeting, New Orleans, LA   |
| 2017 | Day of the Week and Physician Decision Making/Invited oral presentation AcademyHealth Annual Research Meeting, New Orleans, LA  |
| 2017 | Emergency physician opioid prescribing patterns and risk of long-term use/Invited lecture Collaborative for Effective Prescription Opioid Policies (CEPOP) Steering Committee Meeting, Washington, DC                   |
| 2018 | A California Health Plan's Opioid Formulary Change Led to a Reduction in Initiation of Extended-Release Opioids/Invited oral presentation SGIM Annual Conference, Denver, CO  |
| 2018 | Diffusion of telemedicine in a large commercially insured population/Invited oral presentation SGIM Annual Conference, Denver, CO   |
| 2018 | A California Health Plan's Opioid Formulary Change Led to a Reduction in Initiation of Extended-Release Opioids /Invited oral presentation AcademyHealth Annual Research Meeting, Seattle, WA                           |
| 2018 | Diffusion of telemedicine in a large commercially insured population/Invited oral presentation AcademyHealth Annual Research Meeting, Seattle, WA   |
|      | SGIM Annual Conference, Washington, DC  |
| 2018 | Implementing eConsult in the Safety Net: What is the Frontline Impact?/Invited lecture New York City Health + Hospitals Office of Population Health, New York City, NY  |
| 2019 | Appointment Timing and Opioid Prescribing/Invited oral presentation SGIM Annual Conference, Washington, DC  |

| 2019 | An Audit Survey of Access to Office-Based Buprenorphine Treatment in States with High Rates of Opioid-Related Mortality/Invited oral presentation SGIM Annual Conference, Washington, DC  |
|------|---|
| 2019 | Expanding Supply of Medication Assisted Treatment to Underserved Areas: Buprenorphine Waivers for Advanced Practice Providers/Invited oral presentation SGIM Annual Conference, Washington, DC  |
| 2019 | Two-Year Evaluation of Mandatory Bundled Payments for Joint Replacement in Medicare/Invited oral presentation AcademyHealth Annual Research Meeting, Washington, DC   |
| 2019 | Two-Year Evaluation of Mandatory Bundled Payments for Joint Replacement in Medicare/Invited oral presentation Conference of the American Society of Health Economists, Washington, DC   |
| 2019 | Opioid Prescribing and the Opioid Crisis in the US/Invited presentation Opioids: Policy to Practice, Ypsilanti, MI  |
| 2019 | An Audit Survey of Access to Office-Based Buprenorphine Treatment in States with High Rates of Opioid-Related Mortality/Invited oral presentation Collaborative for Effective Prescription Opioid Policies (CEPOP) Steering Committee Meeting, Washington, DC |
| 2019 | Case Study: Use Case Applications of Data in Value-Based Care Programs/Invited panelist AcademyHealth Health Data Leadership Initiative Meeting, Washington, DC   |
| 2019 | Adoption of Buprenorphine Waivers by Advanced Practice Providers Highest in Rural Areas with Expanded Scope of Practice/ Invited oral presentation Health Affairs Rural Health Issue Press Briefing, Washington DC  |
| 2019 | Trends and Natural Experiments in Fragmentation of Care in the US/ Invited Grand Rounds Center for Medicare and Medicare Innovation, Washington DC  |
| 2020 | The role of telemedicine and eConsults in the COVID-19 era/ Invited webinar speaker The E-Consult Workgroup   |
| 2020 | What is the role of telemedicine post- COVID-19?/ Invited webinar speaker Planned Parenthood Federation of America Leadership Seminar   |
| 2020 | Trends in Utilization of Telemedicine among Rural Medicare Beneficiaries, 2010 to 2019 / Invited speaker, AcademyHealth Annual Research Meeting, Virtual Meeting  |

# **Report of Clinical Activities and Innovations**

# **Current Licensure and Certification**

| 2013 | Massachusetts Medical License   |
|------|---|
| 2014 | Board Certified in Internal Medicine, American Board of Internal Medicine |

# **Practice Activities**

2011- Ambulatory Primary Brigham and Women's Advanced 2 sessions per week

Care Primary Care Associates, South

Huntington, Boston, MA

2014- Hospitalist BWFH 1-2 sessions per month

## Report of Technological and Other Scientific Innovations

US Patent Method of using Physician Social Networks Based on Common Patients to

Application Predict Cost and Intensity of Care in Hospitals

#20,130,073,313, Developed as primary inventor a new method for assessing physician social networks that was licensed and used by start-up ActivateNetworks (acquired

2015)

## Report of Education of Patients and Service to the Community

No presentations below were sponsored by outside entities.

## **Activities**

| 2008-2013 | Community Engagement Committee, Chair, Longwood Symphony Orchestra   |
|-----------|--|
| 2009-2012 | Member, Board of Trustees, Longwood Symphony Orchestra   |
| 2012-2015 | Vice Chair, Board of Trustees, Longwood Symphony Orchestra   |
| 2015-     | Chair, Board of Trustees, Longwood Symphony Orchestra<br>Served as member since 2009 and chair since 2015 for the Longwood Symphony<br>Orchestra, an orchestra of medical professionals in Boston that holds each concert as<br>a benefit for a local underserved non-profit organization. |
| 2017-2019 | Examining Physician Prescribing of Opioids, Research Talk for Lay Audience Summer "Hot Topics" Lecture Series, HSPH, Boston, MA  |

## **Educational Material for Patients and the Lay Community**

#### Books, monographs, articles and presentations in other media

| 2017 | Long-term opioid addiction can start in the ER                                | Op-Ed     | Los Angeles Times          |
|------|---|-----------|----------------------------|
| 2017 | When Clinicians Know They're Being Watched, Patients Fare Better              | Blog Post | Harvard Business<br>Review |
| 2017 | How Health Care Providers Can Help End the Overprescription of Opioids        | Blog Post | Harvard Business<br>Review |
| 2018 | The Link Between August Birthdays and ADHD                                    | Op-Ed     | New York Times             |
| 2020 | Need to see a health care provider during coronavirus? Here's what to do next | Op-Ed     | CNN                        |
| 2020 | What we need to know before we can end social distancing                      | Op-Ed     | Washington Post            |

| 2020 | After the pandemic, visiting the doctor will never be the same. And that's fine.     | Op-Ed | Washington Post   |
|------|--|-------|-------------------|
| 2020 | Covid-19 is ravaging nursing homes. We're getting what we paid for                   | Op-Ed | Washington Post   |
| 2020 | A second, hidden pandemic will follow covid-<br>19. We need to plan for it.          | Op-Ed | Washington Post   |
| 2020 | We allowed coronavirus to ravage nursing homes. But there's still time to save lives | Op-Ed | Los Angeles Times |

# Recognition

# Selected Media Coverage

| 2012 | Archives manuscript on trends in referral patterns                                   | New York Times, Washington<br>Post, Health Affairs Blog                  |
|------|--|--|
| 2013 | JAMA manuscript on trends in antibiotics for sore throat                             | CNN, NPR, Boston Globe   |
| 2014 | JAMA IM manuscript on trends in antibiotics for bronchitis                           | LA Times, USA Today,<br>Businessweek                                     |
| 2015 | JAMA IM manuscript on patient characteristics and readmission rates                  | Washington Post, Reuters, Vox.com  |
| 2016 | BMJ manuscript on adverse outcomes during EHR implementation                         | POLITICO, STAT, NEJM<br>Journal Watch                                    |
| 2017 | NEJM manuscript on opioid prescribing and risk of long term use                      | NY Times, LA Times,<br>Washington Post, Reuters, Fox<br>News, Time, STAT |
| 2017 | JAMA IM manuscript on patient mortality during accreditation surveys                 | NY Times, Fox News, STAT,<br>Medscape, US News and World<br>Report       |
| 2017 | JAMA IM manuscript on low-value service use in the safety-net                        | NY Times, Forbes   |
| 2017 | JAMA IM manuscript on patient satisfaction in Medicaid                               | NY Times, Washington Post, NPR, Forbes, CNN                              |
| 2017 | NEJM manuscript on opioid prescribing and policy evaluation                          | Boston Globe, POLITICO   |
| 2018 | CNN story on opioid manufacturer payments to physicians and prescribing patterns     | CNN  |
| 2018 | JAMA Psychiatry study on peer comparison letter trial for quetiapine overprescribing | NPR, POLITICO  |

| 2018 | JAMA study on trends in telemedicine   | Reuters, Forbes, POLITICO,<br>Axios, Modern Healthcare,<br>Yahoo News                                  |
|------|--|--|
| 2018 | NEJM study on ADHD diagnosis and classroom context   | NY Times, Wall Street Journal,<br>Associated Press, NPR,<br>Washington Post, Reuters,<br>CNN, Buzzfeed |
| 2019 | NY Times article featuring Health Affairs 2017 and JAMA IM 2018 studies on eConsults                     | NY Times   |
| 2019 | Annals of Internal Medicine study on buprenorphine prescribers and wait time                             | AP, NYT, Reuters, HealthDay, WBUR  |
| 2019 | JAMA Network Open study on opioid prescribing and appointment time                                       | HealthDay, Modern Healthcare, NPR, Stat  |
| 2019 | Health Affairs study on buprenorphine waiver adoption among nurse practitioners and physician assistants | NPR, Kaiser Health News  |
| 2020 | Interview following Washington Post "Hidden Pandemic" editorial  | NPR Science Friday   |
| 2020 | Health Affairs study on shortages of staff and PPE in nursing homes                                      | AP, Time, Washington Post,<br>ABC News, Modern Healthcare,<br>World Economic Forum                     |
| 2020 | JAMA study on access to opioid treatment in residential treatment centers                                | NPR (WBUR), Axios, MedPage<br>Today (Feature Story)  |
| 2020 | Interviewed as expert for episode on the state of opioid policy  | TradeOffs podcast  |

## **Report of Scholarship**

## Peer-Reviewed Scholarship in print or other media

#### Research investigations

- 1. Hu D, Lu C, Sapozhnikova A, **Barnett M**, Sparrey C, Miclau T, Marcucio RS. Absence of beta3 integrin accelerates early skeletal repair. J Orthop Res. 2010 Jan;28(1):32-37.
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- 3. **Barnett, ML**, Keating NL, Christakis NA, O'Malley AJ, Landon BE. Reasons for choice of referral physician among primary care and specialist physicians. J Gen Intern Med. 2012 May;27(5):506-512.

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4. **Barnett ML**, Christakis NA, O'Malley AJ, Onnela JP, Keating NL, Landon BE. Physician patient-sharing networks and the cost and intensity of care in US hospitals. Med Care. 2012 Feb;50(2):52.

- 5. **Barnett ML**, Song Z, Landon BE. Trends in physician referrals in the United States, 1999-2009. Arch Intern Med. 2012 Jan 23;172(2):63-70.
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- 6. Landon BE, Keating NL, **Barnett ML**, Onnela JP, Paul S, O'Malley AJ, Keegan T, Christakis NA. Variation in patient-sharing networks of physicians across the United States. JAMA. 2012 Jul 18;308(3):265-273.
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- 7. Landon BE, Onnela JP, Keating NL, **Barnett ML**, Paul S, O'Malley AJ, Keegan T, Christakis NA. Using administrative data to identify naturally occurring networks of physicians. Med Care. 2013 Aug;51(8):715-721.
- 8. **Barnett ML**, Linder JA. Antibiotic prescribing to adults with sore throat in the United States, 1997-2010. JAMA Intern Med. 2013;174(1):138-140.
- 9. **Barnett ML**, Linder JA. Antibiotic prescribing for adults with acute bronchitis in the United States, 1996-2010. JAMA. 2014 May 21;311(19):2020-2022.
- 10. Greenberg JO, **Barnett ML**, Spinks M, Dudley JF. The "medical neighborhood": integrating primary and specialty care for ambulatory patients. JAMA Intern Med. 2014;174(3):454-457.
- 11. Ostrovsky A, **Barnett ML**. Accelerating change: fostering innovation in healthcare delivery at academic medical centers. Healthc(Amst). 2014 Mar 31;2(1):9-13.
- 12. Berman RA, Elman S, Srivastava PK, Knudsen J, Huppert L, Dempsey K, **Barnett ML**, Powe C, Donelan K. Patient experience of care in a student-faculty collaborative practice. Patient Experience Journal. 2014;1(2):20-25.
- 13. **Barnett ML**, Hsu J, McWilliams JM. Patient characteristics and differences in hospital readmission rates. JAMA Intern Med. 2015 Nov 1;175(11):1803-12.
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- 14. **Barnett ML**, Mehrotra A, Frolkis JP, Spinks M, Steiger C, Hehir B, Greenberg JO, Singh H. Implementation of an electronic referral system in a large academic medical center. J Gen Intern Med. 2016 Mar 1;31(3):343-52.
- 15. **Barnett ML**, Mehrotra A, Jena AB. Adverse inpatient outcomes during the transition to a new electronic health record system: observational study. BMJ. 2016 Jul 28;354:i3835.
  - Wears RL. When hospitals switch to electronic records. BMJ. 2016;354:i3941.
- 16. **Barnett ML**, Olenski AR, Jena AB. Opioid-prescribing patterns of emergency physicians and risk of long-term use. N Engl J Med. 2017 Feb 16;376(7):663-673.
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- 19. **Barnett ML**, Linder JA, Clark CR, Sommers BD. Low-value medical services in the safety-net population. JAMA Intern Med. 2017 Jun 1;177(6):829-37.

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- 21. Ray KN, Martsolf GR, Mehrotra A, **Barnett ML**. Trends in Visits to Specialist Physicians Involving Nurse Practitioners and Physician Assistants, 2001 to 2013. JAMA Intern Med. 2017;177:1213–1216.
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- 23. **Barnett ML**, Sommers BD. A National Survey of Medicaid Beneficiaries' Experiences and Satisfaction with Health Care. JAMA Intern Med. 2017;177:378–381.

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- 24. **Barnett ML**, McWilliams JM. Changes in Specialty Care Use and Leakage in Medicare Accountable Care Organizations. American Journal of Managed Care. 2018;24(5):e294-e302.
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- 26. Lee MS, Ray KN, Mehrotra A, Giboney P, Yee HF, **Barnett ML**. Primary Care Practitioners' Perceptions of Electronic Consult Systems: A Qualitative Analysis. JAMA Intern Med. 2018;178(6):782-789.

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27. Carey CM, Jena AB, **Barnett ML.** Patterns of Potential Opioid Misuse and Subsequent Adverse Outcomes in Medicare, 2008-2012. Annals of Internal Medicine. 2018;168(12):837-845.

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- 28. Olesen SW, **Barnett ML**, MacFadden DR, Lipsitch M, Grad YH. Trends in outpatient antibiotic use and prescribing practice among US older adults, 2011-15: observational study. BMJ. 2018;362:k3155.
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  - Liao JM, Navathe AS. Nudging Physicians to Reduce Quetiapine Using Medicare Letters: Following Letters of the Law? JAMA Psychiatry. 2018;75(10):989-990.
  - Finalist for 25<sup>th</sup> Annual Health Care Research Award, National Institute for Health Care Management Foundation
  - Recipient of the 2019 AcademyHealth Publication-of-the-Year Award
- 30. **Barnett ML**, Olenski AR, Thygeson NM, Ishisaka D, Wong S, Jena AB, Mehrotra A. A Health Plan's Formulary Led to Reduced Use Of Extended-Release Opioids But Did Not Lower Overall Opioid Use. Health Affairs. 2018;37(9):1509–1516.
- 31. Roberts ET, Zaslavsky AM, **Barnett ML**, Landon BE, Ding L, McWilliams JM. Assessment of the Effect of Adjustment for Patient Characteristics on Hospital Readmission Rates: Implications for Pay for Performance. JAMA Intern Med. 2018;178(11):1498-1507.
- 32. **Barnett ML**, Clark KL, Sommers BD. State Policies and Enrollees' Experiences In Medicaid: Evidence From A New National Survey. Health Affairs. 2018;37(10):1647–55.
- 33. Layton TJ, **Barnett ML**, Hicks TR, Jena AB. Increased diagnosis and treatment of childhood attention deficit hyperactivity disorder and month of school enrollment. New Engl J Med. 2018;379:2122-2130.
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- 40. Garcia Mosqueira A, Rosenthal M, **Barnett ML**. The Association Between Primary Care Physician Compensation and Patterns of Care Delivery, 2012-2015. INQUIRY: The Journal of Health Care Organization, Provision, and Financing. 2019;56:004695801985496.
- 41. **Barnett ML**, Zhao X, Fine MJ, Thorpe CT, Sileanu FE, Cashy, JP, Mor MK, Radomski TR, Hausmann LR, Good CB, Gellad WF. Emergency Physician Opioid Prescribing and Risk of Long-term Use in the Veterans Health Administration: an Observational Analysis. Journal of General Internal Medicine. 2019;34(8):1522-1529.
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- 43. Sacarny A, Olenski AR, **Barnett ML**. Association of Quetiapine Overuse Letters With Prescribing by Physician Peers of Targeted Recipients: A Secondary Analysis of a Randomized Clinical Trial. JAMA Psychiatry. 2019;201976(10):1094–1095.
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- 46. Neprash HT, **Barnett ML**. Association of Primary Care Clinic Appointment Time with Opioid Prescribing. JAMA Network Open. 2019;2(8):E1910373.
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- 63. **Barnett ML**, Joynt Maddox KE, Orav EJ, Grabowski DC, Epstein AE. Association of Skilled Nursing Facility Participation in a Bundled Payment Model With Institutional Spending for Joint Replacement Surgery. Accepted, JAMA, 2020.
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- 65. Patel SY, Mehrotra A, Huskamp HA, Uscher-Pines L, Ganguli I, **Barnett ML**. Trends in Outpatient Care Delivery and Telemedicine During the COVID-19 Pandemic in the United States. Accepted, JAMA Internal Medicine, 2020.
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## Non-peer reviewed scholarship in print or other media

Proceedings of meetings or other non-peer reviewed scholarship

1. Barnett ML. Doors. Acad Med. 2009 Nov;84(11):1560-1

## **Perspectives and Viewpoints**

- 1. Song Z, Sequist TD, **Barnett ML**. Patient Referrals: A Linchpin for Accountable Care, JAMA. 2014;312(6):597-8.
- 2. **Barnett ML**, Grabowski DC, Mehrotra A. Home-to-Home Time Measuring What Matters to Patients and Payers. N Engl J Med. 2017;377:4–6.
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- 4. Wakeman SE, **Barnett ML**. Primary Care and the Opioid-Overdose Crisis Buprenorphine Myths and Realities. New Engl J Med. 2018;379(1):1-5.
- 5. **Barnett ML**, Grabowski DC, Mehrotra A. Post-Acute Care: The Piggy Bank for Savings in Alternative Payment Models? N Engl J Med. 2019;381(4):302-303.
- 6. **Barnett ML.** Opioid Prescribing in the Midst of Crisis Myths and Realities. N Engl J Med. 2020; 382 (12), 1086.
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- 10. Cramer JD, **Barnett ML**, Anne S, et al. Nonopioid, Multimodal Analgesia as First-line Therapy After Otolaryngology Operations: Primer on Nonsteroidal Anti-inflammatory Drugs (NSAIDs): Otolaryngology—Head and Neck Surgery, Published Online August 18, 2020

#### Reviews, chapters, monographs and editorials

- 1. Sheldon LK, **Barnett ML**. Anxiety and Uncertainty. In: Lester J, Schmitt P, eds. Cancer Rehabilitation and Survivorship: Transdisciplinary Approaches to Personalized Care. Pittsburgh (PA): Oncology Nursing Society. 2011:165-74.
- 2. **Barnett ML**, Choudhry NK. Practicing evidence based medicine, in Scientific American Medicine, Singh AK, editor. Hamilton (ON): Decker Intellectual Properties. 2015.
- 3. **Barnett ML**. Capsule Commentary on Navathe, et al., Do Changes in Post-acute Care Use at Hospitals Participating in an Accountable Care Organization Spillover to all Medicare Beneficiaries? J Gen Intern Med. 2018;33(6):943-943.
- 4. **Barnett ML**, Improving Network Science in Health Services Research. J Gen Intern Med. 2019;DOI:10.1007/s11606-019-05264-4
- 5. **Barnett ML**, Landon BE. Achieving Success under Payment Reform. More Questions than Answers. JAMA Netw Open. 2019;2(7):E196947.
- 6. **Barnett ML**, Huskamp HA. Telemedicine for Mental Health in the United States: Making Progress, Still a Long Way to Go. Psych Services, Published Online, December 18, 2019
- 7. Worsham CM, **Barnett ML.** What Role Do Families Play in the Opioid Epidemic? JAMA Netw Open, 2020; 3 (3), e201108.

# <u>Thesis</u>

**Barnett ML**. Mapping physician networks and their association with health care delivery in US hospitals [MD thesis with honors]. Boston: Harvard Medical School, 2011.

## Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings

| 2015 | Implementation of an electronic referral system in a large academic medical center   | Poster, SGIM Annual Conference, Toronto, ON   |
|------|--|---|
| 2015 | Contributions of patients' clinical and social characteristics to difference in hospital readmission rates                         | Poster, SGIM Annual Conference, Toronto, ON   |
| 2015 | Implementation of an electronic referral system in a large academic medical center   | Poster, AcademyHealth Annual Research<br>Meeting, Minneapolis, MN   |
| 2016 | Overuse of low value medical services in the safety net population   | Poster, SGIM Annual Conference,<br>Hollywood, FL  |
| 2016 | Overuse of low value medical services in the safety net population   | Featured in Poster Walk, AcademyHealth Annual Research Meeting, Boston, MA  |
| 2016 | Adverse hospitals outcomes during the period of transition to a new electronic medical record.                                     | Mack Lipkin Sr. Award Finalist, SGIM<br>Annual Conference, Hollywood, FL  |
| 2017 | Emergency physician opioid prescribing patterns and risk of long-term use  | Milton W. Hamolsky Jr. Award Winner,<br>SGIM Annual Conference, Washington, DC  |
| 2017 | Emergency physician opioid prescribing patterns and risk of long-term use  | Winner of Best Abstract for Behavioral<br>Health Theme, AcademyHealth Annual<br>Research Meeting, New Orleans, LA     |
| 2018 | Specialty Care Transformation in the<br>Urban Safety Net: Frontline perceptions<br>of eConsult Implementation                      | Milton W. Hamolsky Jr. Award Finalist,<br>SGIM Annual Conference, Denver, CO  |
| 2019 | Appointment Timing and Opioid Prescribing  | Best Poster Award, Improving Safety,<br>Quality and Value Theme, AcademyHealth<br>Annual Research Meeting, Boston, MA |
| 2019 | An Audit Survey of Access to Office-<br>Based Buprenorphine Treatment in<br>States with High Rates of Opioid-<br>Related Mortality | Winner of Best Abstract for Behavioral<br>Health Theme, AcademyHealth Annual<br>Research Meeting, Washington, DC      |