

CURRICULUM VITAE

William V. Padula, Ph.D.

PERSONAL DATA

Address and Contact

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Date of Birth: January 7, 1984

Place of Birth: New Haven, CT, USA

EDUCATION AND TRAINING

- B.S. 2006 (Chemical Engineering) Northwestern University, Evanston, IL
- M.S. 2008 (Evaluative Clinical Science) Dartmouth College, Hanover, NH
- Ph.D. 2013 (Pharmaceutical Outcomes Research) University of Colorado, Aurora, CO
- M.Sc. 2015 (Analytics) The University of Chicago, Chicago, IL
- Postdoctoral Fellow 2015 (Health Economics) The University of Chicago, Chicago, IL

Doctoral Dissertation

"Comparative Effectiveness of Quality Improvement Interventions to Prevent Hospital-acquired Pressure Ulcers in U.S. Academic Medical Centers."

Committee: R. Valuck (Advisor), K. Nair (Chair), J. Campbell, M.B. Makic, H. Wald, M. Mishra

PROFESSIONAL EXPERIENCE

2018 – present Assistant Professor, Department of Pharmaceutical & Health Economics, School of Pharmacy, University of Southern California, Los Angeles, CA.

Other Professional Appointments

- 2018 – present Core Faculty, The Leonard D. Schaeffer Center for Health Policy & Economics, University of Southern California, Los Angeles, CA
- 2016 – present Assistant Professor (Adjunct), Department of Acute and Chronic Care, School of Nursing, The Johns Hopkins University, Baltimore, MD.
- 2016 – present Core Faculty (Adjunct), The Armstrong Institute for Patient Safety & Quality, Johns Hopkins Medicine, Baltimore, MD.
- 2017 – present Assistant Professor (Adjunct), Division of General Internal Medicine, The Johns Hopkins Medicine, Baltimore, MD.

2018 – present Visiting Fellow, Oxford Institute for Nursing, Midwifery and Allied Health Research (OxINMAHR), Oxford Brookes University, Oxford, UK

2018 – present Honorary Appointment, University of Technology Sydney, Sydney, Australia

2015 – 2018 Assistant Professor, Department of Health Policy and Management, Bloomberg School of Public Health, The Johns Hopkins University, Baltimore, MD.

2016 – 2017 Visiting Scholar, Oxford Institute for Nursing, Midwifery and Allied Health Research (OxINMAHR), Oxford Brookes University, Oxford, UK

Other Professional Experience

2005 Summer Intern, Sensory Motor Performance Program, Rehabilitation Institute of Chicago (RIC), Chicago, IL.
Researched biomechanical devices to improve quality of life for stroke survivors

2006 Summer Intern, Kymanox LLC, Highland Park, IL.
Developed economic tool for improved manufacturing processes.

2006 – 2008 Project Engineer, Kymanox LLC, Highland Park, IL.
Biochemical engineer to design and validate manufacturing equipment for biopharmaceutical clients.

2008 – 2013 Teaching Assistant, Skaggs School of Pharmacy and Pharmaceutical Sciences, University of Colorado, Aurora, CO.
Graded homework and exams for Pharm.D. courses in pharmaceutical sciences: Pharmacy Core Skills; Pediatric Pharmacy; Business Law and Ethics. Taught regular sessions, led discussion sections and developed exam questions for graduate courses in pharmaceutical sciences: Biostatistics and Epidemiology; Health Economics; U.S. Health Policy.

2009 – 2010 Research Assistant, Clinical-Translational Science Award (CTSA) Program, University of Colorado, Aurora, CO.
Project Manager for principal investigator (A. Libby) of the University of Colorado CTSA program in medicine.

2010 Graduate Intern, Global Health Economics, Amgen Inc., Thousand Oaks, CA.
Conducted Markov model of cost-effectiveness of dyspnea stabilization in acute heart failure patients for early-phase biologic.

2011 – 2013 Economic Modeler, Global Health Economics, Amgen Inc (Thousand Oaks, CA).
Developed cost-effectiveness and budget impact models of early-phase and brand-name biologics, and performed secondary data analyses of MarketScan and proprietary datasets. Clinical areas: cardiology; nephrology; neurology; hematology/oncology.

2013 – 2015 Postdoctoral Fellow, Department of Medicine, University of Chicago, Chicago, IL.
Two-year fellowship in health services research and concentration in health economics support by AHRQ T32/F32 National Research Service Award.
Sponsors: David O. Meltzer and Robert D. Gibbons

2017 – present Principal, Monument Analytics, Baltimore, MD.

Certifications

- 2006 Biotechnology & Biochemical Engineering Certificate, McCormick School of Engineering, Northwestern University, Evanston, IL
- 2006 Undergraduate Leadership Program (ULP) Certificate, School of Communication, Northwestern University, Evanston, IL
- 2008 Lean Six Sigma Certificate (Green Belt), Thayer School of Engineering, Dartmouth College, Hanover, NH

PROFESSIONAL ACTIVITIES

Society Leadership

- 2016 – present Commissioner, American Nurses Credentialing Center (ANCC) Magnet® Recognition Program, Silver Spring, MD.
- 2017 – present Board of Directors, National Pressure Ulcer Advisory Panel (NPUAP), Washington, DC.

Society Membership

- 2009 – present Member, International Society of Pharmacoeconomics and Outcomes Research (ISPOR)
- 2009 – 2013 Founding Member and President (2010-11), ISPOR Colorado Student Chapter
- 2008 – present Member, Society of Medical Decision Making (SMDM)
- 2012 – present Member, Society of Wound, Ostomy and Continence Nursing (WOCN)
- 2013 – present Member, AcademyHealth
- 2013 – present Member, Society of Hospital Medicine (SHM)
- 2015 – present Member, International Health Economics Association (iHEA)
- 2015 – present Member, Society for Advancement in Wound Care (SAWC)

Participation on Advisory Panels

- 2016 – present Member, Faculty Advisory Council, ISPOR.
- 2017 External Thought Leader, ANCC Strategic Planning Meeting, Silver Spring, MD.
- 2017 – present Member, Global Scientific Advisory Board, Molnlycke Health Care Inc., Atlanta, GA.

Program and Project Development

- 2013 – 2015 Member, Task Force on Simulation Modeling, ISPOR.
- 2013 – 2015 Member, Chicago Learning and Effectiveness Advancement Research Network (LEARN)
- 2013 – 2015 Member, Steering Committee, Chicago-area Patient Centered Outcomes Research Network (CAPriCORN), a PCORI-funded clinical database research network
- 2014 – 2015 Member, Focus Group on Framework Development for a Magnet Designated Center of Excellence in Pressure Ulcer Prevention, VCU Pressure Ulcer Summit.
- 2015 – 2016 Member, American College of Physicians (ACP) Advisory group to Virginia Commonwealth University (VCU) Diabetes Center of Excellence.

- 2015 – present Member, Task Force on Optimization Methods for Healthcare Delivery, International Society for Pharmacoeconomics and Outcomes Research (ISPOR).
- 2017 Thought Leader, Strategic Planning, ANCC, Silver Spring, MD.

Testimony

- 2017 Maryland State Senate, Finance Committee, Subcommittee on Healthcare
- Format: Working Group
 - Topic: SB 413 – Generic Anti-Price-Gouging
 - Chaired by: Sen. Feldman
 - Date: February 20, 2017
- 2017 Maryland State House of Delegates, Health and Government Operations Committee
- Format: Committee Hearing
 - Topic: HB 631 – Generic Anti-Price-Gouging; HB 666 – Drug Price Transparency
 - Chaired by: Rep. Pendergrass
 - Date: February 23, 2017
- 2018 Maryland State Senate, Finance Committee, Subcommittee on Healthcare
- Format: Committee Hearing
 - Topic: SB 1023 – Drug Price Review Commission
 - Chaired by: Sen. Middleton
 - Date: February 28, 2018
- 2018 Maryland State House of Delegates, Health and Government Operations Committee
- Format: Committee Hearing
 - Topic: HB 1194 – Drug Price Review Commission
 - Chaired by: Rep. Pendergrass
 - Date: March 6, 2018

EDITORIAL ACTIVITIES

Peer Review Activities

- Annals of Internal Medicine*, 9 manuscripts
- Applied Health Economics & Health Policy*, 3 manuscripts
- British Medical Journal*, 1 manuscript
- BMJ Quality & Safety*, 4 manuscripts
- Drugs – Real World Outcomes*, 1 manuscript
- Health Affairs*, 2 manuscripts
- International Journal of Wound Care*, 1 manuscript
- Journal of Wound, Ostomy and Continence Nurses*, 3 manuscripts
- Journal of Nursing Management*, 3 manuscripts
- Medical Care*, 6 manuscripts
- New England Journal of Medicine*, 1 manuscript
- Ostomy Wound Management*, 4 manuscripts

Vaccine, 1 manuscript
Value in Health, 1 manuscript
Worldviews in Evidence-Based Nursing, 1 manuscript
LGBT Health, 1 manuscript

Editorial Boards

2016 *Journal of Interprofessional Education and Practice*
2017 – present *Applied Health Economics and Health Policy*
2017 – present *Ostomy Wound Management*
2018 – present *Journal of Clinical Nursing*

HONORS AND AWARDS

Honors

2014 “Top Reviewer of 2013,” *Annals of Internal Medicine*
2014 Best Abstract, Health Services Research Category by a Fellow, Department of Medicine Research Day, University of Chicago, Chicago, IL
2015 “Top Reviewer of 2014,” *Annals of Internal Medicine*
2015 Best-in-Show, M.Sc. Analytics Thesis Defense, University of Chicago
2016 “Top Reviewer of 2015,” *Annals of Internal Medicine*
2017 “Top Reviewer of 2016,” *Annals of Internal Medicine*

Awards

2005 Service Award, Segal Design Institute, Northwestern University, Evanston, IL.
2010 Travel Award, PharmaSUG Student Scholarship Program, Orlando, FL.
2011 Outstanding Poster Presentation Award, ISPOR Western Pharmacoeconomics Conference, Seattle, WA.
2012 Travel Award, ISPOR European Congress, Berlin, Germany.
2014 Diversity Small Grant Award (Spring), University of Chicago Medicine, Chicago, IL.
2014 Diversity Small Grant Award (Fall), University of Chicago Medicine, Chicago, IL.
2015 Outstanding Dissertation Award (Honorable Mention), AcademyHealth, Minneapolis, MN.
2016 Young Investigator Award, Society for Advancement in Wound Care (SAWC), Atlanta, GA.
2016 Research Award – Best New Investigator, ISPOR European Congress, Vienna, Austria.
2018 Faculty Award for Excellence in U.S. Public Health Practice, 2018, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD.

PUBLICATIONS

*Corresponding Author, †First or Senior Author, ‡Primary Mentor of Student or Fellow for Manuscript

Journal Articles (Peer Reviewed)

1. Padula WV, Nelson CA, **Padula WV**, Benabib R, Yilmaz T, Krevisky S. Modifying postural adaptation following a CVA through prismatic shift of the visuo-spatial egocenter. *Brain Injury*, 2009 June; 23(6):566-576. PMID: 19484630
2. Cordero-Coma M, Yilmaz T, **Padula WV**, Rodriguez E, Lanier ST. Statistical Process Control Charts for Ophthalmology. *Graefes Archives of Clinical & Experimental Ophthalmology*, 2011 Jul;249(7):1103-5. PMID: 20824435
3. Yilmaz T, Cordero-Coma M, Lavaque AJ, Gallagher MJ, **Padula WV**. Triamcinolone and intraocular sustained-release delivery systems in diabetic retinopathy. *Current Pharmaceutical Biotechnology*, 2011 March; 12(3):337-46. PMID: 20939800
4. Sills MR, Hall M, Simon HK, Fieldston ES, Walter N, Levin JE, Brogan TV, Hain PD, Goodman DM, Fritch-Levens DD, Fagbuyi DB, Mundorff MB, Libby AM, Anderson HO, **Padula WV**, Shah SS. Resource burden at children's hospitals experiencing surge volumes during the spring 2009 H1N1 influenza pandemic. *Academic Emergency Medicine*, 2011 Feb;18(2):158-66. PMID: 21314775
5. **Padula WV***†, Mishra MK, Makic MB, Sullivan PW. Improving the Quality of Pressure Ulcer Care with Prevention: a cost-effectiveness analysis. *Medical Care*, 2011;49(4):385-92. PMID: 21368685
6. Cantu RV, Bell JE, **Padula WV**, Nahikian KR, Pober DM. How Do Emergency Room Physicians in Two Rural States Rate their Orthopaedic On-call Coverage? *Journal of Orthopaedic Trauma*, 2012 Jan;26(1):54-8. PMID: 21904223
7. **Padula WV***†, Mishra MK, Weaver CD, Yilmaz T, Splaine ME. Building information for systematic improvement of the prevention of hospital-acquired pressure ulcers with statistical process control charts and regression. *BMJ Quality & Safety*, 2012 Jun;21(6):473-80. PMID: 22447820.
8. Grover R, **Padula WV**†, Van Vliet M, Ridgway EB. Comparing Five Alternative Methods of Breast Reconstruction Surgery: A Cost-Effectiveness Analysis. *Plastic & Reconstructive Surgery*, 2013 Nov;132(5):709-723. PMID: 24165623
9. **Padula WV***†, Allen RR, Nair KV. Determining the Cost of Obesity and its Common Comorbidities from a Commercial Claims Database. *Clinical Obesity*, 2014 Feb;4(1):53-58. PMID: 25425133
10. **Padula WV***†, Mishra MK, Makic MB, Valuck RJ. A Framework of Quality Improvement Interventions to Implement Evidence-Based Practices for Pressure Ulcer Prevention. *Advances in Skin & Wound Care*, 2014 Jun;27(6):280-4. PMID: 24836619
11. **Padula WV***†, Duffy MP, Yilmaz T, Mishra MK. Integrating Systems Engineering Practice with Health-care Delivery. *Health Systems*, 2014 Nov;3(3):159-64.
12. **Padula WV***†, Cordero-Coma M, Yilmaz T, Padula WV, Ghallager MJ, Campbell JD. Comparing Prednisone and Methotrexate to Off-Label Biologic Infliximab for Management of Ocular Uveitis: a cost-minimization analysis. *Journal of Health Economics and Outcomes Research*, 2015;2(2):131-46.
13. Marshall DA, Burgos-Liz L, IJerman MJ, Osgood ND, **Padula WV**, Higashi MK, et al. Applying Dynamic Simulation Modeling Methods in Health Care Delivery Research – The SIMULATE Checklist: Report of the ISPOR Simulation Modeling Emerging Good Practices Task Force. *Value in Health*, 2015 Jan;18(1):5-16. PMID: 25595229

14. Marshall DA, Burgos-Liz L, IJzerman MJ, Osgood ND, **Padula WV**, Higashi MK, et al. Selecting a Dynamic Simulation Modeling Method for Health Care Delivery Research – Part 2: Report of the ISPOR Simulation Modeling Emerging Good Practices Task Force. *Value in Health*, 2015 Mar;18(2):5-16. PMID: 25595229
15. Conti RM, **Padula WV**, Larson RA. Changing the cost of care for chronic myeloid leukemia: the availability of generic imatinib in the US and the EU. *Annals of Hematology*, 2015 Apr;94(suppl 2):249-57. PMID: 25814091
16. **Padula WV**^{*†}, Valuck RJ, Makic MB, Wald HL. Factors Influencing Adoption of Hospital-acquired Pressure Ulcer Prevention Programs in U.S. Academic Medical Centers. *Journal of Wound, Ostomy and Continence Nursing*, 2015 Jul-Aug;42(4):327-30. PMID: 25933124
17. **Padula WV**^{*†}, Makic MB, Mishra MK, Campbell JD, Nair KV, Wald HL, Valuck RJ. Comparative effectiveness of quality improvement interventions for pressure ulcer prevention in academic medical centers in the United States. *Joint Commission Journal of Quality and Patient Safety*, 2015;41(6):246-56. PMID: 25990890
18. **Padula WV**^{*†}, Makic MBF, Wald HL, Campbell JD, Nair KV, Mishra MK, Valuck RJ. Hospital-acquired Pressure Ulcers at Academic Medical Centers in the United States, 2008--2012: Tracking Changes Since the CMS Nonpayment Policy. *Joint Commission Journal of Quality and Patient Safety*, 2015;41(6):257-63. PMID: 25990891
19. Wray CM, Flores A, **Padula WV**, Prochaska MT, Meltzer DO, Arora VM. Measuring patient experiences on hospitalist and teaching services: Patient Responses to a 30-day postdischarge questionnaire. *Journal of Hospital Medicine*, 2016 Feb;11(2):99-104. PMID: 26381606
20. **Padula WV**^{*†}, Mishra MK, Makic MBF, Wald HL, Campbell JD, Nair KV, Valuck RJ. Increased Adoption of Quality Improvement Interventions to Implement Evidence-Based Practices for Pressure Ulcer Prevention in U.S. Academic Medical Centers. *Worldviews in Evidence Based Nursing*, 2015;12(6):328-336. PMID: 26462012
21. Marshall DA, Burgos-Liz L, Pasupathy KS, **Padula WV**, IJzerman MJ, Wong PK, Higashi MK, Engbers J, Wiebe S, Crown W, Osgood ND. Transforming Health Care Delivery: Integrating Dynamic Simulation Modeling and Big Data in Health Economics and Outcomes Research. *PharmacoEconomics*, 2015 Oct 26. PMID: 26497003
22. **Padula WV**^{*†}, Heru S, Campbell JD. Societal and policy implications of provider coverage for primary and preventive care in the U.S. transgender population: a cost-effectiveness analysis. *Journal of General Internal Medicine (JGIM)*, 2016 Apr;31(4):394-401. PMID: 26481647
23. Padula WV, Subramanian P, Spurling A, Jenness J, **Padula WV**[†]. Risk of fall (RoF) intervention by affecting visual egocenter through gait analysis and yoked prisms. *NeuroRehabilitation*, 2015 Oct 20;37(2):305-14. PMID: 26484522
24. **Padula WV**^{*†}, Blackshaw L, Brindle CT, Volchenboum SL. An Approach to Acquiring, Normalizing and Managing EHR Data from a Clinical Data Repository for Studying Pressure Ulcer Outcomes. *Journal of Wound, Ostomy and Continence Nursing*, 2016 Jan-Feb;43(1):39-45. PMID: 26727681
25. Creehan SA, Cuddigan J, Gonzalez D, Nix D, **Padula WV**, Pittman J, Pontieri-Lewis V, Walden C, Wells B, Wheeler R. Developing Centers of Pressure Ulcer Prevention Excellence: A Framework for Sustainability. *Journal of Wound, Ostomy and Continence Nursing*, 2016 Mar-Apr;43(2):121-8. PMID: 26808304
26. **Padula WV**[†], Larson RA, Dusetzina SB, Apperley JF, Hehlmann R, Baccarani M, Eigendorff E, Guilhot J, Guilhot F, Mahon FX, Martinelli G, Mayer J, Müller MC, Niderwieser D, Saussele S, Schiffer CA, Silver RT, Simonsson B, Conti RM. Cost-effectiveness of Tyrosine Kinase Inhibitors Treatment Strategies for Chronic Myeloid Leukemia in Chronic Phase After U.S. Generic Entry of Imatinib. *Journal of the National Cancer Institute (JNCI)*, 2016 Mar 4;108(7). PMID: 26944912.

27. **Padula WV***[†], Gibbons RD, Valuck RJ, Makic MBF, Mishra MK, Pronovost PJ, Meltzer DO. Are Evidence-based Practices Associated with Effective Prevention of Hospital-acquired Pressure Ulcers in U.S. Academic Medical Centers? *Medical Care*, 2016 May;54(5):512-8. PMID: 27078824
28. Walia G, Wong AL, Lo AY, Mackert GA, Carl HM, Pedreira RA, Bello R, Acquino CS, **Padula WV***[‡], Sacks J. Efficacy of Monitoring Devices in Support of Prevention of Pressure Injuries: Systematic Review and Meta-Analysis. *Advances in Skin & Wound Care*, 2016 Dec;29(12):567-574. PMID: 27846030
29. **Padula WV***[‡], Millis MA, Worku A, Pronovost PJ, Bridges JFP, Meltzer DO. Individualized Cost-effectiveness Analysis of Patient-centered Care: a case series of hospitalized patient preferences departing from practice-based guidelines. *Journal of Medical Economics*, 2017 Mar;20(3):288-96. PMID: 27786569
30. Crown W, Buyukkaramikli N, Thokala P, Morton A, Sir MY, Marshall DA, Tosh J, **Padula WV**, Ijzerman MJ, Wong PK, Pasupathy KS. Constrained Optimization Methods in Health Services Research-An Introduction: Report 1 of the ISPOR Optimization Methods Emerging Good Practices Task Force. *Value in Health*, 2017 Mar;20(3):310-319. PMID: 28292475
31. **Padula WV***[†], Makic MBF. View From Here: Informal Leadership Translating Evidence-Based Practices for Pressure Ulcer Prevention in the Hospital Setting. *Journal of Wound, Ostomy and Continence Nursing*, 2017 Mar/Apr;44(2):153-154. PMID: 28060030
32. **Padula WV***[‡], Gibbons RD, Pronovost PJ, Hedeker D, Mishra MK, Makic MBF, Bridges JFP, Wald HL, Valuck RJ, Ginensky AJ, Ursitti A, Venable LR, Epstein Z, Meltzer DO. Using Clinical Data to Predict High-cost, Performance Coding Issues Associated with Pressure Ulcers: a multilevel cohort model. *Journal of the American Medical Informatics Association (JAMIA)*, 2017 Apr;24(e1):e95-e102. PMID: 27539199
33. Padula WV, Capo-Aponte JE, **Padula WV**, Singman EL, Jenness J. The consequence of spatial visual processing dysfunction caused by traumatic brain injury (TBI). *Brain Injury*, 2017;31(5):589-600. PMID: 28440687
34. Moran D, Wu AW, Connors C, Chappidi MR, Sreedhara SK, Selter JH, **Padula WV***[‡]. Cost-benefit analysis of a Support Program for Nursing Staff. *Journal of Patient Safety*, 2017 Apr 27 [epub ahead of print]. PMID: 28452914
35. **Padula WV***[‡], Baker K. Coverage for Gender-Affirming Care: Making Health Insurance Work for Transgender Americans. *LGBT Health*, 2017 Aug;4(4). PMID:28708447.
36. **Padula WV***[†], Lee KHC, Pronovost PJ. Using Economic Evaluation to Illustrate Value of Care for Improving Patient Safety & Quality: Choosing the Right Method. *Journal of Patient Safety*, 2017 Aug 3. [Epub ahead of print]. PMID: 28786836
37. Hong JC, Blankstein R, Shaw LJ, **Padula WV***[‡], Arrieta A, Fialkow JA, Blumenthal RS, Blaha MJ, Krumholz HM, Nasir K. Implications of Coronary Artery Calcium Testing for Treatment Decisions Among Statin Candidates According to the ACC/AHA Cholesterol Management Guidelines: A Cost-effectiveness Analysis. *JACC Cardiovasc Imaging*, 2017 Aug; 10(8):938-52. PMID: 28797417.
38. Moran D, Shrimel MG, Nang S, Vycheth I, Vuthy D, Hong R, **Padula WV***[‡], Park KB. Cost-effectiveness of Craniotomy for Epidural Hematomas at a Major Government Hospital in Cambodia. *World Journal of Surgery*, 2017 Sep;41(9):2215-2223. PMID: 28444463
39. **Padula WV***[†]. Effectiveness and Value of Prophylactic Five-Layer Foam Sacral Dressings to Prevent Hospital-Acquired Pressure Injuries in Acute Care Hospitals: an Observational Cohort Study. *Journal of Wound, Ostomy & Continence Nursing*, 2017 Sep/Oct;44(5):413-19. PMID: 28816929.

40. Offodile AC, Sheckter CC, Tucker A, Watzker A, Ottino K, Zammert M, **Padula WV[†]**. Preoperative paravertebral blocks for the management of acute pain following mastectomy: a cost-effectiveness analysis. *Breast Cancer Research and Treatment*, 2017 Oct;165(3):477-484. PMID: 28677010
41. **Padula WV[†]**, McQueen RB, Pronovost PJ. Can Economic Model Transparency Improve Provider Interpretation of Cost-effectiveness Analysis? Evaluating Tradeoffs Presented by the Second Panel on Cost-effectiveness in Health and Medicine. *Medical Care*, 2017 Nov;55(11):915-17. PMID: 29028753
42. **Padula WV[†]**, McQueen RB, Pronovost PJ. Finding Resolution for the Responsible Transparency of Economic Models in Health and Medicine. *Medical Care*, 2017 Nov;55(11):909-11. PMID: 29028755
43. **Padula WV[†]**, Phelps CE, Moran D, Earley C. Allocating Provider Resources to Diagnose and Treat Restless Leg Syndrome: A Cost-Utility Analysis. *Sleep Medicine*, 2017 Oct;38:44-49. PMID: 29031755.
44. **Padula WV[†]**, Connor KA, Mueller JM, Hong JC, Velazquez GC, Johnson SB. Cost-benefit of Comprehensive Primary and Preventive School-based Health Care. *American Journal of Preventive Medicine*, 2018 Jan;54(1):80-86. PMID: 29031700.
45. Parasrampur S, Oakes AH, Wu SS, Parikh MA, **Padula WV[†]**. Value and Performance of Accountable Care Organizations: A Cost-Minimization Analysis. *International Journal of Technology Assessment in Health Care*, 2018 Jan;34(4):388-392. PMID: 29991357.
46. Hong JC, Saraswat MK, Ellison TA, Magruder JT, Gardner JM, **Padula WV[†]**, Whitman GJR. *Staphylococcus aureus* Prevention Strategies in Cardiac Surgery: A Cost-effectiveness Analysis. *Annals of Thoracic Surgery*, 2018 Jan;105(1):47-53. PMID 28987394.
47. Hoyer E, **Padula WV[†]**, Brotman D, Reid N, Leung C, Lepley D, Deutschendorf A. Patterns of Hospital Performance on the Hospital-Wide 30-Day Readmission Metric: Is the Playing Field Level? *Journal of General Internal Medicine (JGIM)*, 2018 Jan;33(1):57-64. PMID: 28971369.
48. Hong JC, **Padula WV[†]**, Hollin IL, Hussain T, Dietz KB, Halbert JP, Marsteller JA, Cooper LA. Care Management to Reduce Disparities and Control Hypertension in Primary Care. *Medical Care*, 2018 Feb;56(2):179-185. PMID: 29239999.
49. **Padula WV[†]**, Davidson PM, Jackson D, Pedriera R, Pronovost PJ. Unintended Consequences of Quality Improvement Programs on the Prevention of Hospital-acquired Conditions. *J Patient Safety & Risk Management*, 2018 Jun;23(3):123-127.
50. Heyward J, **Padula WV**, Tierce J, Alexander C. The Value of U.S. Pharmacopeial Standards: A Review of the Literature. *J Pharmaceutical Sciences*, 2018 June (In Press). PMID: 29908148.
51. **Padula WV[†]**, Black JM, Davidson PM, Kang SY, Pronovost PJ. Adverse Effectives of the Medicare PSI-90 Hospital Penalty System on Revenue-Neutral Hospital-acquired Conditions. *Journal of Patient Safety*, 2018 Jul 17;[Epub Ahead of Print]. PMID: 30110019.
52. **Padula WV[†]**, Ballreich J, Anderson GF. Paying for Drugs After the Medicare Part D Beneficiary Reaches the Catastrophic Limit: Lessons on Cost Sharing from Other US Policy Partnerships Between Government and Commercial Industry. *Applied Health Economics & Health Policy*, 2018 Jul 30;[Epub Ahead of Print]. PMID: 30058011
53. **Padula WV[†]**, Pronovost PJ, Makic MB, Wald HL, Moran D, Mishra MK, Meltzer DO. The Value of Hospital Resources for Effective Pressure Injury Prevention: A Cost-effectiveness Analysis. *BMJ Quality & Safety*, 2018 Aug 10;[Epub Ahead of Print]. PMID: 30097490.

54. Sohr A, Maerkedahl A, **Padula WV**[†]. Cost-Effectiveness Analysis of Single-Use EEG Cup Electrodes Compared with Reusable EEG Cup Electrodes. *Pharmacoeconomics Open*, 2018 Aug 27;[Epub Ahead of Print]. PMID: 30151817.
55. Zhou M, Oakes AH, Bridges JFP, **Padula WV**, Segal JB. Regional Supply of Medical Resources and Systemic Overuse of Health Care Among Medicare Beneficiaries. *Journal of General Internal Medicine (JGIM)*, 2018 Sep 4;[Epub Ahead of Print]. PMID: 30229364.
56. Crown W, Buyukkaramikli N, Sir MY, Thokala P, Morton A, Marshall DA, Tosh JC, Ijzerman MJ, **Padula WV**, Pasupathy KS. Application of Constrained Optimization Methods in Health Services Research: Report 2 of the ISPOR Optimization Methods Emerging Good Practices Task Force. *Value in Health*, 2018 Sep; 21(9):1019-1028. PMID: 30224103.

Articles, Editorials and Letters (Not Peer Reviewed)

1. **Padula WV**^{*†}, Sullivan PW. Beyond Migraines: How Healthy Are The 2012 Presidential Candidates? *The Atlantic*, August 3, 2011.
2. **Padula WV**^{*†}, Mishra MK, Makic MB, Sullivan PW. In Reply: Improving the Quality of Pressure Ulcer Care with Prevention: a cost-effectiveness analysis. *Medical Care*, 2012 Feb;50(2):188-90. PMID:22249924
3. **Padula WV**^{*†}, Breteler MJM. Sharing Perspectives on HTA from Both Sides of the Pond. *ISPOR Connections: A Journal of the International Society of Pharmacoeconomics and Outcomes Research*, 2013 Jan/Feb;19(1):15.
4. **Padula WV**^{*†}, Wald HM, Makic MBF. Pressure Ulcer Risk Assessment and Prevention. *Annals of Internal Medicine*, 2013 Nov;159(1):28-38 PMID: 23817702
5. **Padula WV**[†], Padula WV. Is it worth the effort to create a learning healthcare delivery system? *Journal of Interprofessional Education & Practice*, 2015 Mar;1(1):8-9.
6. **Padula WV**^{*†}, Ijzerman MJ, Crown W, Marshall DA. Dynamic Simulation Modeling to Evaluate Complex System Interventions for Health Care Delivery Research – What Methods for What Problems? *Value and Outcomes Spotlight: A Journal of the International Society of Pharmacoeconomics and Outcomes Research*, 2015 May/Jun;21(3).
7. **Padula WV**^{*†}, Wald HL, Meltzer DO. Pressure Ulcer Prevention and Management. *Annals of Internal Medicine*, 2015 Jul 21;163(2):148-9. PMID: 26192569
8. **Padula WV**^{*†}, Brindle CT, Makic MBF. Pressure Ulcer Treatment and Care. *Annals of Internal Medicine*, 2015 Oct 20;163(8):645. PMID: 26502122
9. Green JA and **Padula WV**. Targeting Unconscionable Prescription-Drug Prices – Maryland's Anti-Price-Gouging Law. *New England Journal of Medicine*, 2017 Jul 13;377(2):101-103. PMID: 28591520.
10. **Padula WV**^{*†}, Pronovost PJ. Addressing the multisectoral impact of pressure injuries in the USA, UK and abroad. *BMJ Quality & Safety*, 2018 Mar;27(3):171-173. PMID: 28928166.
11. McQueen RB, **Padula WV**, Campbell JD. A Call for Open-Source Cost-Effectiveness Analysis. *Annals of Internal Medicine*, 2018 Apr 3;168(7):528-529. PMID: 29610902.
12. **Padula WV**^{*†}, Black JM. The Standardised Pressure Injury Prevention Protocol (SPIPP) for Improving Nursing Compliance with Best Practice Guidelines. *Journal of Clinical Nursing*, 2018 Oct 17;[Epub Ahead of Print]. PMID: 30328652.

Books

1. **Padula WV**[†]. *Quality Improvement Interventions to Prevent Pressure Ulcers*. Saarbrücken, Germany: Scholars Press, 2014. (ISBN 978-3-639-71934-5)

Book Chapters

1. Conti RM, **Padula WV**, Larson RL. Changing the cost of care for chronic myeloid leukemia: the availability of generic imatinib in the U.S. and E.U. In: Helhmann R, ed. *Chronic Myeloid Leukemia*. Germany: Heidelberg University Press, 2016.
2. **Padula WV**[†], Berzon R, Mujuruh P, Meltzer DO. Comparative Effectiveness Research in Health Disparity Populations. In: Zhang X, ed. *The Science of Health Disparities Research and Applications*. Bethesda, MD: National Institutes of Health, 2017.

U.S. Patents

1. The Orthorotator: U.S. Patent #6135931, 24 October 2000. A teaching aid for stroke survivors with difficulty walking. Patients show immediate improvement.
2. The Cubic Internal Combustion Engine: U.S. Pat. Pend. #60/606572, 02 September 2004. Redesign of engine block, pistons, cam shaft, sleeves. 38% more efficient than conventional engine, and reduced use of materials.
3. The Reverse Hand Orthosis: U.S. Pat. Pend. #60/773201, 15 February 2006. A physical therapy device designed to correct contractions of the hemiparetic hand and fingers, and wrist muscles.
4. Progressive Enhanced Visual Field Prism: US Patent #20080137033, 12 June 2008. Application of yoked prisms for correction of visual midline shift.
5. Gait-Balance Analyzer: US Patent #20100262046-A1, 14 October 2010. Apparatus for analyzing gait and balance to determine visual-spatial distortion.

Research Finding Dissemination

1. "Societal and policy implications of provider coverage for primary and preventive care in the U.S. transgender population: a cost-effectiveness analysis"
 - Quoted in: Beck J. "Covering Transgender Care Is Good Economics for Insurance Companies." *The Atlantic*, December 1, 2015.
 - Quoted in: Rinkunas S. "Insurance Companies Can't Afford Not to Cover Transgender Patients." *New York Magazine*, December 1, 2015.
 - Quote in: Preidt R. "Transgender Transition Costs Make Economic Sense: Study." *US New & World Report*, December 4, 2015.
 - Radio Interview: *The Dr. Leigh Vinocur Show*, Radio MD (www.radiomd.com), December 5, 2015.
 - Quoted in: The Editorial Board. "No Reason to Exclude Transgender Medical Care." *The New York Times*, December 9, 2015.
 - Quoted in: Dayan E, Molina B. "Policy Changes in the Transgender Healthcare Arena." *Physician*, Kevin MD (www.kevinmd.com), January 5, 2017.
2. "Cost-effectiveness of Tyrosine Kinase Inhibitors Treatment Strategies for Chronic Myeloid Leukemia in Chronic Phase After U.S. Generic Entry of Imatinib"
 - Quoted in: Weintraub A. "Generic Gleevec Will Hurt Novartis – But Save Millions In Health Costs." *Forbes*, March 16, 2016.
 - Quoted in: Preidt R. "Generic Gleevec Will Likely Save Millions in Costs." *WebMD News*, March 18, 2016.

3. "Cost-Benefit Analysis of a Support Program for Nursing Staff"
 - Quoted in: Brownlee C. "Helping Clinicians Through Traumatic Events Also Helps the Bottom Line, Cost-Benefit Analysis Shows." *JHU Hub*, May 10, 2017.
 - Cited in: Connors C. "Peer Counseling for Clinicians provides immediate support – and pays off for the hospital." *STAT News*, July 21, 2017.

4. "The Effectiveness and Value of Prophylactic Five-Layer Foam Sacral Dressings to Prevent Hospital-acquired Pressure Injuries in Acute Care Hospitals"
 - Quoted in: Finn K. "For pressure injuries, prevention is the key." *MedTech Views*, July 10, 2017.
 - Quoted in: "Prophylactic Dressings Reduce Pressure Injuries." *OR Today*, December, 2017.

PART II

Teaching

Advisees

- 2015 Andrew Millis, The University of Chicago. Degree: M.D.
- 2015 – 2017 Jeromie Ballreich, The Johns Hopkins University. Degree: PhD (Health Economics)
Thesis: Price Discrimination in the US Cancer Drug Market.
- 2015 – 2016 Josiah Mueller RN, The Johns Hopkins University. Degree: MHS (Health Economics)
Thesis: Determining the Value of a Comprehensive Primary and Preventive Care Model for School-Based Health Centers: A Cost-Benefit Analysis.
- 2015 – 2016 Maxwell Thayer, The Johns Hopkins University. Degree: MSPH
- 2016 Uchenna Onyekwere, The Johns Hopkins University. Degree: MPH
- 2015 – 2016 Ya-Hsuan Chiang B.Pharm, The Johns Hopkins University. Degree: MPH
Thesis: Improving Analytic Throughput of Treatment Options for Non-Small Cell Lung Cancer: A Cost-effectiveness Analysis.
- 2015 – 2016 Jonathan Hong MD, The Johns Hopkins University. Degree: MHS (Health Economics)
Thesis: Community Care Management as a Population Health Intervention to Reduce Disparities and Control Hypertension in Primary Care: A Cost-effectiveness Analysis.
- 2015 – 2016 Madhu Nagarajan MBBS, The Johns Hopkins University. Degree: MPH
Thesis: Societal Impact of One-time Screening for Diabetes at age 30 in the Indian Population: A Cost-effectiveness Analysis.
- 2015 – 2016 Bing Xie, The Johns Hopkins University. Degree: MHS (Health Economics)
Thesis: Allocating Provider Resources to Accurately Diagnose and Treat Restless Leg Syndrome: A Cost-effectiveness and Budget Impact Analysis.
- 2015 – 2017 Dane Moran, The Johns Hopkins University. Degree: MD/MPH
- 2016 – 2017 Matthew Kaufmann, The Johns Hopkins University. Degree: MHS (Health Economics)
Thesis: Cost-effectiveness Analysis of a School-Based Health Center.
- 2016 – 2017 Sabrina Rahman, The Johns Hopkins University. Degree: MPH
Thesis: Cost Effectiveness of Resection vs. Serial Dilation for Treating Laryngotracheal Stenosis.
- 2016 – 2017 Julia Allen, The Johns Hopkins University. Degree: MPH
Thesis: Cost-effectiveness Analysis of Feeding Guidelines for Neonatal Patients Following Gastrointestinal Surgery.
- 2016 – 2017 Matthew Lucci, The Johns Hopkins University. Degree: MPH
Thesis: What is the Incremental Cost of Hospital-acquired Pressure Ulcers in the United States.
- 2016 – 2017 Hui-Han “Bruce” Chen, The Johns Hopkins University. Degree: MHS (Health Economics)
Thesis: The Choice of the Willingness-to-Pay Threshold and Its Impact on Cost-Utility Analysis.
- 2017 – 2018 Yutong Harriet Chen, The Johns Hopkins University. Degree: MHS (Health Economics)
Thesis: Cost-effectiveness of Sacral Dressings for Pressure Injury Prevention in Nursing Homes in the U.S. and Australia.
- 2017 – 2018 Ellen Hu, The Johns Hopkins University. Degree: MHS (Health Economics)
Thesis: Cost-effectiveness of Employee Training and Education to Reduce Addiction to Prescription Opioids in Baltimore.

- 2017 – 2018 Rahul Chander, The Johns Hopkins University. Degree: MHS (Health Economics)
Thesis: Cost-utility of the Johns Hopkins Hospital RISE Program
- 2017 – 2018 Sreelekshmi Rajeswari, The Johns Hopkins University. Degree: MHS (Health Economics)
Thesis: Cost-effectiveness of Spinraza to Treat MSA.
- 2017 – 2018 Vinayak Bhardwaj, The Johns Hopkins University. Degree: MPH
Thesis: Cost-effectiveness of the Corrie Application to prevention readmission caused by acute myocardial infarction.
- 2017 – 2018 Eric Wan, The Johns Hopkins University. Degree: MBA/MPH
Thesis: Cost-effectiveness of Transitional Care for Transgender People in the U.S. Military.
- 2017 – 2018 Jenny Lee, The Johns Hopkins University. Degree: MBA/MPH
Thesis: Cost-effectiveness of Microbiome Screening for Immuno-oncological Therapies.
- 2017 – 2018 Leslie McAhern, The Johns Hopkins University. Degree: MPH
Thesis: The Impact of Stress on Physician Attrition in U.S. Health Systems.
- 2015 – 2018 Taruja Kumarkar (Co-Advisor with Darrell Gaskin), The Johns Hopkins University.
Degree: PhD (Health Economics)
Thesis: The Value of Novel Therapies for the Treatment of Hepatitis C in An Integrated Health Care System.
- 2015 – 2018 Natalie Reid, The Johns Hopkins University. Degree: PhD (Health & Social Policy)
Thesis: American's Preference for Food Characteristics and Their Role in Policy.
- 2015 – 2018 Melissa Sherry, The Johns Hopkins University. Degree: PhD (Health Services Research)
Thesis: Neighborhood Factors, Health Outcomes and How Their Intersection May Hold the Key to Reducing Healthcare Costs.
- 2016 – 2018 Kellan Baker, The Johns Hopkins University. Degree: PhD (Health Services Research)

Preliminary Oral Participation

- 2015 Departmental Oral Exam, Jeromie Ballreich, Johns Hopkins University (Alternate)
- 2015 School-wide Oral Exam, Jeromie Ballreich, Johns Hopkins University (Alternate)
- 2016 School-wide Oral Exam, Christina Garcia, Johns Hopkins University (Alternate)
- 2016 Departmental Oral Exam, Mo Zhou, Johns Hopkins University
- 2016 School-wide Oral Exam, Mo Zhou, Johns Hopkins University
- 2016 Departmental Oral Exam, Taruja Kumarkar, Johns Hopkins University
- 2016 School-wide Oral Exam, Taruja Kumarkar, Johns Hopkins University
- 2016 Departmental Oral Exam, Natalie Reid, Johns Hopkins University
- 2017 School-wide Oral Exam, Natalie Reid, Johns Hopkins University
- 2017 Departmental Oral Exam, Melissa Sherry, Johns Hopkins University
- 2017 School-wide Oral Exam, Thitipong Tankumpuan, Johns Hopkins University
- 2017 School-wide Oral Exam, E. Wangeci Kagucia, Johns Hopkins University
- 2017 School-wide Oral Exam, Melissa Sherry, Johns Hopkins University
- 2018 School-wide Oral Exam, Binu Koirala, Johns Hopkins University
- 2018 Departmental Oral Exam, Allison Oakes, Johns Hopkins University (Alternate)
- 2018 School-wide Oral Exam, Allison Oakes, Johns Hopkins University

Final Oral Participation

- 2017 Jeromie Ballreich, Johns Hopkins University (Alternate)
- 2017 Ellen Janssen, Johns Hopkins University (Alternate)
- 2017 Mo Zhou, Johns Hopkins University (Alternate)
- 2018 Taruja Karmarkar, Johns Hopkins University
- 2018 Christina Garcia, Johns Hopkins University
- 2018 Natalie Reid, Johns Hopkins University
- 2018 Thitipong Tankumpuan, Johns Hopkins University

CLASSROOM INSTRUCTION

Principal Instructor

- 2015 CCTS 46003: Advanced Healthcare Quality Improvement
Enrollment: 15
Credits: 0.5
Institution: The University of Chicago
Description: Course Director and Lecturer on advanced methods (i.e. study design, statistical analysis, economics) for quality improvement using the clinical microsystems approach in 10-week (0.5 credit) course
- 2016 - 2018 JHSPH 313.631.01: Economic Evaluation II
Enrollment: 80
Credits: 3.0
Institution: The Johns Hopkins Bloomberg School of Public Health
Description: Course Director and Lecturer on cost-effectiveness analysis modeling in Microsoft Excel and TreeAge in 8-week (3 credit) course at Johns Hopkins Bloomberg School of Public Health; 2016 Winter, 2017 Winter; Baltimore, MD

Other Significant Teaching

- JHSPH 313.630.01: Economic Evaluation I (Course Director: Greg de Lissovoy, PhD). Regular lecturer in this introductory course on economic evaluation theory and methods. Accrued Lectures: 2
- JHSPH 313.861.01: Public Health Economics Seminar (Course Director: Darrell Gaskin, PhD). Regular lecturer in this 1 credit course for MHS graduate students in Health Economics, 2015-present. Accrued Lectures: 2
- JHSPH 313.632.01: Economic Evaluation III (Course Director: Greg de Lissovoy, PhD). Lecturer in this 3 credit course on budget impact analysis modeling in excel. Accrued Lectures: 2
- JHSPH 312.861.01: MHA Care Competition (Course Director: Doug Hough, PhD). Case Study Mentor to Competition Teams. Accrued Lectures: 1
- JHSPH 700.623.01: Ethics of Healthcare Decision Making (Course Director: Zack Berger, MD, PhD). Lecturer on influence of health economics on medical ethics. Accrued Lectures: 2
- JHSPH 300.713.01: Research and Evaluation Methods for Health Policy I (Course Directors: Renan Castillo, PhD and Cassandra Crifasi, PhD). Lecturer on Controversies in Economic Evaluation Methods. Accrued Lectures: 3

- AS 280.340.01: Fundamentals of Health Policy & Management (Course Director: Darrell Gaskin, PhD. Lecturer on Introduction to Cost-effectiveness Analysis. Accrued Lectures: 1
- JHSPH 300.721.01: PhD Seminar in Health Policy I (Course Director: Colleen Barry, PhD and Brendan Solaner, PhD). Lecturer on Cost-effectiveness Analysis and Economic Evaluation. Accrued Lectures: 1
- Vaccine Economic Evaluation (Course Director: David Bishai). Program for "Teaching Vaccine Economics Everywhere. Locations: Boston, MA; Johannesburg, ZA; Kampala, UG; Delhi, India. Accrued Workshops: 6

RESEARCH GRANT PARTICIPATION

Postdoctoral Fellowship, AHRQ T32 National Research Service Award (5 T32 HS000078-17), 2013

Principal Investigators: D. Meltzer and J. Holl

Grant Objective: Postdoctoral Training

Role: Trainee; Award: \$58,000 (100% FTE)

Postdoctoral Fellowship, AHRQ F32 National Research Service Award (1 F32 HS023710-01), 2014-2015

Co-Sponsors: D. Meltzer and R. Gibbons

Grant Objective: Using EHR Data to Dynamically Target Patients for Braden Scale Risk-assessment

Role: Trainee; Award: \$207,906 (100% FTE)

Workflow Modeling of Physician-Scientist Workforce, NIH Office of the Director, (HHSN276201300089U), 2015-2016

Principal Investigators: D. Meltzer and M. Heggeness

Grant Objective: Agent-based model of NIH-funded physician-scientists

Role: Modeler; Award: \$30,000 (25% FTE)

Cost-effectiveness analysis of Rales Health Center Model, Rales Center at Johns Hopkins Medicine 2015-2016

Principal Investigators: W. Padula and S. Johnson

Grant Objective: Develop Cost-effectiveness Model of Rales Health Center at Kipp School in Baltimore, MD

Role: co-PI; Award: \$20,000 (10% FTE)

Cost-effectiveness analysis of Cardiovascular Disease Model, Welch Center at Johns Hopkins Medicine 2015-2016

Principal Investigator: W. Padula and L. Cooper

Grant Objective: Develop Cost-effectiveness Model of Public Health Intervention for Cardiovascular Disease in Baltimore, MD

Role: co-PI; Award: \$20,000 (5% FTE)

Medicare Benefit Redesign Options: Meeting the Needs of Future Beneficiaries, The Commonwealth Fund

2015-2016

Principal Investigator: K. Davis

Grant Objective: The purpose of this study is to evaluate the elasticity of demand for healthcare utilization for varying rates of copayment among Medicare beneficiaries.

Role: Co-I; Award: \$395,515 (10% FTE)

The Value of Novel Therapies for the Treatment of Hepatitis C in an Integrated Health Care System, Kaiser-Permanente and Johns Hopkins Research Collaborative
2016-2017

Principal Investigator: W. Padula and C. Rodriguez

Grant Objective: Develop Cost-effectiveness Model of Policies for the delivery of Hepatitis C treatments

Role: PI; Award: \$86,000 (5% FTE)

Cost-effectiveness Analysis of Treatment for Restless Leg Syndrome, Restless Leg Syndrome Foundation
2016-2017

Principal Investigator: W. Padula

Grant Objective: To perform a cost-effectiveness analysis of physician treatment for Restless Leg Syndrome in a society where there is board certification.

Role: PI; Award: \$35,000 (10% FTE)

Who Should Pay for Drugs When the Medicare Beneficiary Has Reached Catastrophic Limit? The Commonwealth Fund
2016-2017

Principal Investigator: G. Anderson

Grant Objective: The purpose of this study is to evaluate the budget impact of cost-sharing between Medicare, private drug plans and beneficiaries for high-cost specialty drugs

Role: Co-I; Award: \$100,000 (10% FTE)

Controlling Drug Spending: Four Action Steps that will Promote Policy Change, The Arnold Foundation
2016-present

Principal Investigator: G. Anderson

Grant Objective: The purpose of this study is to evaluate policies that will help control drug spending.

Role: Co-I; Award: \$4,500,000 (25% FTE)

Vaccine Economics: Economic Evaluation, The Bill & Melinda Gates Foundation
2017-present

Principal Investigator: D. Bishai

Grant Objective: The purpose of this grant is to develop an economic evaluation curriculum in global vaccine economic evaluation.

Role: Co-I; Award: \$1,500,000 (25% FTE)

A Longitudinal Population Based Study that Examines Discrimination Health and Work, The Sandell Grant Program, U.S. Social Security Administration
2017-present

Principal Investigator: E. Gonzales

Grant Objective: The purpose of this grant is to explore the relationships between discrimination, health, retirement expectations and labor force participation in middle-aged African Americans using data from the Health and Retirement Study.

Role: Co-I; Award: \$45,000 (5% FTE)

ACADEMIC SERVICE

Center and Institute Affiliations

- Center for Health Services and Outcomes Research (CHSOR), 2015-2018
- Roger C. Lipitz Center for Integrated Health Care, 2015-2018
- Center for Drug Safety & Effectiveness (CDSE), 2016-2018

Department of Health Policy & Management

- Admissions Committee, Ph.D. Program in Health Services Research & Policy, 2016-2018
- Admissions Committee, M.H.S. Program in Health Economics, 2016-2018
- Research Infrastructure Committee, CHSOR, 2016-2018
- Search Committee, Faculty in Economic Evaluation, 2017-2018

Bloomberg School of Public Health

- Core Faculty, Interdepartmental Program in Health Economics, 2015-2018

Johns Hopkins Medicine

- Core Faculty, The Armstrong Institute for Patient Safety and Quality, 2016-present
- Co-Lead, Analytics Core, The Armstrong Institute Diagnosis Center, 2017-2018
- Adjunct Faculty, Division of General Internal Medicine, 2017-present

Johns Hopkins Nursing

- Adjunct Faculty, School of Nursing, 2016-present

PRESENTATIONS

Scientific Meetings

Oral Abstracts

1. **Padula WV**, Mishra MK, Makic MB, Sullivan PW. A Cost-Effectiveness Analysis of Pressure Ulcer Prevention. *21st Annual Rocky Mountain Regional Multidisciplinary Research & EBP Symposium*; March 2010, Denver, CO.
2. **Padula WV**, Cordero-Coma M, Yilmaz T. A Cost-effectiveness Analysis of Off-label Biologics to Treat Sarcoid Posterior Uveitis Versus Standard of Care: Comparing Infliximab to Methotrexate and Systemic Steroids. *University of Colorado Pharmaceutical Sciences Research Symposium*; January 18, 2012, Aurora, CO.
3. **Padula WV**. Comparative Effectiveness of Quality Improvement Interventions for Pressure Ulcer Prevention in Hospitals. *Wound Ostomy and Continence Nurses (WOCN) Society Annual Meeting*; June 24, 2014, Nashville, TN.
4. **Padula WV**. Are Evidence-based Practices Associated with Effective Prevention of Hospital-acquired Pressure Ulcers in U.S. Hospitals? *AcademyHealth Annual Research Meeting*, June 13, 2015, Minneapolis, MN.
5. **Padula WV**, Larson R, Conti R. Comparing Tyrosine Kinase Inhibitor Treatment Strategies for Newly Diagnosed Chronic Myeloid Leukemia in Chronic Phase when Imatinib Loses Patient Exclusivity in the U.S.: a cost-effectiveness Analysis. *International Health Economics Association (IHEA) Congress*; July 12, 2015, Milan, Italy.
6. **Padula WV**. Using EHR Data to Dynamically Predict Incidence of Hospital-acquired Pressure Ulcers. *Institute for Healthcare Improvement Scientific Symposium*; December 7, 2015, Orlando, FL.

7. **Padula WV**. Using Clinical Data to Monitor High-cost, Performance Coding Issues Associated with Pressure Ulcers. *Society for Advancement in Wound Care (SAWC) Young Investigator Awards Symposium*; April 16, 2016, Atlanta, GA.
8. **Padula WV**. Is it Really Cost-Effective to Risk-Assess all Hospitalized Patients for Pressure Ulcers Every Nursing Shift? *ISPOR European Congress*; October 31, 2016, Vienna, Austria.
9. **Padula WV**. Is it Really Cost-Effective to Risk-Assess all Hospitalized Patients for Pressure Ulcers Every Nursing Shift? *Society of General Internal Medicine*; April 21, 2017, Washington, DC.
10. **Padula WV**. How Cost-Effective Is It to Risk-Assess all Hospitalized Patients for Pressure Ulcers Every Nursing Shift? *iHEA*; July 12, 2017, Boston, MA.
11. **Padula WV**, Karmarkar T, Gaskin D, Rodriguez C. Cost-effectiveness of Staged Direct-Acting Antiviral Treatment Strategies on an Integrated Healthcare System. *ISPOR International Conference*; May 22, 2018, Baltimore, MD.

Workshops

1. Marshall D, Crown W, IJzermann M, **Padula WV**. Simulation Modeling Applications in Healthcare Delivery Research – Emerging Good Practices. *ISPOR International Conference*; June 2, 2014. Montreal, Canada.
2. Marshall D, Crown W, IJzermann M, **Padula WV**. Dynamic Simulation Modeling to Evaluation Complex System Interventions for Health Care Delivery Research – What Methods for What Problems? *ISPOR International Conference*; November 11, 2014, Amsterdam, Netherlands.
3. Nuchols TK, Meltzer DO, **Padula WV**, Doyle B. How to Estimate the Value of QI: The Basics. *Society of Hospital Medicine*; March 22, 2015, Washington, DC.
4. Pasupathy K, **Padula WV**, Morton A, Thokala P. Constrained Optimization: Why Making Pizza and Maximizing Health Care Value are the Same Problem. *ISPOR European Congress*; November 9, 2016, Vienna, Austria.
5. IJzerman M, Tosh J, Thokala P, **Padula WV**. Optimal Allocation of Resources in Managing Medical Device Portfolios. *ISPOR International Conference*; May 23, 2017, Boston, MA.

Issue Panels

1. **Padula WV**, Cohen JT, Wrightson T; Moderator: McQueen RB. Controversies in Transparency and Sensitivity Recommendations from The Second Panel on Cost-effectiveness in Health and Medicine. *ISPOR International Conference*; May 24, 2017, Boston, MA.
2. Kahveci R, **Padula WV**, Jolanta Bilinska, Elizabeta Zisovska; Moderator: van Halteren AR. Using Economic Evaluation to Illustrate Value in Health System Quality Improvement. *Health Technology Assessment International (HTAi)*; June 20, 2017, Rome, Italy.
3. Burkom HS, **Padula WV**, Kan H, Kharrazi H, Lee JA; Moderator: Saria S. Machine Learning Methods in the Statistical Prediction of Health Outcomes. *Joint Statistical Meeting (JSM)*; Aug 1, 2017, Baltimore, MD.
4. **Padula WV**, Palumbo F, Kesselheim A; Moderator: Hoffman D. Stuart Rome Lecture, *Panel on Drug Pricing*. Carey School of Law, University of Maryland; March 8, 2018, Baltimore, MD
5. **Padula WV**, Anderson GA, Byron Wornson; Moderator: Karlin-Smith S. Current Legislative, Market & Regulatory Approaches to Drug Accessibility. *Drug Accessibility and Pricing Symposium*, Carey Business School, Johns Hopkins University; March 19, 2018, Baltimore, MD

6. Black JM, **Padula WV**, Santamaria N, Geffen A, Call E. The Science, Clinical Evidence and Health Economics of Pressure Injury Prevention. *Wound Ostomy and Continence Nursing Society Annual Conference*; June 5, 2018, Baltimore, MD.

Poster Abstracts

1. MacDonell RE, **Padula WV**, Yilmaz T. Triplet Pregnancy: To Reduce or Not to Reduce? Annual Meeting of the *North American Society for Psychosocial Obstetrics and Gynecology*. New Haven, CT 2009.
2. McCollum M, Slejko JF, **Padula WV**. Identifying comorbid depression among adults with diabetes in secondary databases. *American College of Clinical Pharmacy and European Society of Clinical Pharmacy International Congress on Clinical Pharmacy*; April 24–28, 2009, Orlando, FL.
3. **Padula WV**, Mishra MK, Yilmaz T, Weaver CW. Improving the quality of pressure ulcer prevention using statistical process control methods. *International Society for Quality in Healthcare (ISQUA)*; October 2009, Dublin, Ireland.
4. Padula WV, Nelson CA, **Padula WV**, Benabib R, Yilmaz T, Krevisky S. Modifying postural adaptation following a CVA through prismatic shift of visuo-spatial egocenter. *American Academy of Optometry*; November 2009, Orlando, FL.
5. **Padula WV**, Mishra MK, Makic MB, Sullivan PW. A Cost-Effectiveness Analysis for the Prevention of Hospital-Acquired Pressure Ulcers. *Society of Medical Decision Making Annual North American Meeting*; October 2009, Hollywood, CA.
6. Padula WV, Nelson CA, **Padula WV**, Benabib R, Yilmaz T, Krevisky S. Modifying postural adaptation following a CVA through prismatic shift of visuo-spatial egocenter. *National Academy of Practices*; March 2010, Washington, DC.
7. Sills MR, **Padula WV**, Walters N, Anderson H. Epidemiology of the Spring (April-June 2009) H1N1 Surge in 25 Children's Hospital Emergency Departments. *Pediatric Academic Societies*; May 2010, Vancouver, BC.
8. Cordero-Coma M, Yilmaz T, Rodriguez E, **Padula WV**, et al. Use of Control Charts to Monitor Post-Cataract Surgery Acute Endophthalmitis in Spain. Annual Meeting, *The Association for Research in Vision and Ophthalmology (ARVO) Annual Meeting*; May 2010, Ft Lauderdale, FL.
9. Gallagher MJ, Yilmaz T, **Padula WV**, Cordero-Coma M, MacDonell RE. To determine the influence of geographic location and insurance status on the likelihood of receiving a diagnosis of cataract. Annual Meeting, *ARVO Annual Meeting*; May 2010, Ft Lauderdale, FL.
10. Sills MR, Hall M, Simon HK, Fieldston ES, Walter N, Levin JE, Brogan TV, Hain PD, Goodman DM, Fritch-Levens DD, Fagbuyi DB, Mundorff MB, Libby AM, Anderson HO, **Padula WV**, Shah SS. Resource burden at children's hospitals experiencing surge volumes during the spring 2009 H1N1 influenza pandemic. *American Public Health Association Annual Meeting*, Denver, November, 2010.
11. **Padula WV**, Nair K. Determining the Cost of Obesity and its Major Comorbidities from a Commercial Claims Database. *ISPOR International Congress*; May 2011, Baltimore, MD.
12. **Padula WV**, Mishra MK, Weaver T, Weaver CD, Splaine ME. Identifying improvement of pressure ulcer prevention at the point of care with multiple methods in the department of surgery. *ISPOR International Congress*; May 2011, Baltimore, MD.
13. Van Vliet M, **Padula WV**, Mishra MK, Kerrigan C. Decision analysis in determining cost effectiveness in abdominal wall reconstruction. *New England Society for Plastic and Reconstructive Surgeons*; June 2011, Cape Cod, MA.
14. **Padula WV**, Cordero-Coma M, Yilmaz T, Campbell JD. A Cost-effectiveness Analysis of Off-label Biologics to Treat Sarcoid Posterior Uveitis Versus Posterior Uveitis Versus Standard of Care:

Comparing Infliximab to Methotrexate and Systemic Steroids. *Society of Medical Decision Making North American Meeting*; October 2011, Chicago, IL.

15. **Padula WV**, Makic MBF, Mishra MK, Nair KV, Campbell JD, Wald H, Valuck RJ. An off-the-shelf catalogue of quality improvement interventions to implement in the prevention of pressure ulcers for hospital settings. *ISPOR European Congress*; November 2012, Berlin, Germany.
16. **Padula WV**, Mishra MK, Makic MBF, Nair KV, Campbell JD, Wald H, Valuck RJ. Implementation of Quality Improvement Interventions for Pressure Ulcer Prevention in University HealthSystem Consortium Hospitals. *ISPOR International Congress*; May 2013, New Orleans, LA.
17. **Padula WV**, Makic MBF, Mishra MK, Nair KV, Campbell JD, Wald H, Valuck RJ. Comparative Effectiveness of Quality Improvement Interventions for Pressure Ulcer Prevention in US Academic Hospitals. *Society of Medical Decision Making North American Meeting*; Oct 2013, Baltimore, MD.
18. **Padula WV**, Heru S, Campbell JD. Societal and Policy Implications for Medically Necessary Services and Preventive Care in the U.S. Transgender Population: a cost-effectiveness analysis. *Society of Medical Decision Making North American Meeting*; Oct 2014, Miami, FL.
19. **Padula WV**, Larson RA, Conti RM. What is the Most Cost-effective Strategy for Treating Chronic Myeloid Leukemia after Imatinib Loses Patient Exclusivity in the United States? *Society of Medical Decision Making North American Meeting*; Oct 2014, Miami, FL.
20. **Padula WV**, Worku A, Mishra MK, Meltzer DO. Comparing Evidence-based Decision Tools to Checklists for the Prevention of Hospital-acquired Conditions: a value of information analysis. *Society of Medical Decision Making North American Meeting*; Oct 2014, Miami, FL.
21. **Padula WV**, McElroy L, Holl J. Cost Minimization of After Hours Postoperative Care for Transplant Recipients. *Society of Medical Decision Making North American Meeting*; Oct 2014, Miami, FL.
22. **Padula WV**, Larson RA, Conti RM. What is the Most Cost-effective Strategy for Treating Chronic Myeloid Leukemia after Imatinib Loses Patient Exclusivity in Europe? *ISPOR European Congress*; Nov 2014, Amsterdam, NL.
23. **Padula WV**, Gibbons RD, Pronovost PJ, Hedeker D, Mishra MK, Makic MBF, Bridges JFP, Wald HL, Valuck RJ, Ginensky AJ, Ursitti A, Venable LR, Epstein Z, Meltzer DO. Using Clinical Data to Predict High-cost, Performance Coding Issues Associated with Pressure Ulcers: a multilevel cohort model. *AcademyHealth*; Jun 2016, Boston, MA.
24. **Padula WV**. The Real-world Effectiveness and Value of Sacral Dressings to Prevent Hospital-acquired Pressure Injuries in Academic Medical Centers: An Observational Cohort Study. *Society of Hospital Medicine*; April 28, 2017, Las Vegas, NV.
25. **Padula WV**, Phelps CE, Moran D, Earley C. Allocating Provider Resources to Accurately Diagnose and Treat Restless Leg Syndrome (RLS): A Cost-Utility Analysis. *ISPOR International Conference*; May 24, 2017, Boston, MA.
26. **Padula WV**, Davidson PM, Nagarajan M, Pronovost PJ. Investing in Skilled Specialists to Grow Hospital Infrastructure and Improve Quality. *ISPOR European Congress*; November 6, 2017, Glasgow, UK.
27. **Padula WV**, So Yeon Kang, Farah Yehia, Michael DeStefano. Cost-effectiveness of Continuous Lateral Rotation Therapy Beds in ICU. *NPUAP Annual Meeting*; March 3, 2018, Las Vegas, NV.
28. **Padula WV**, Parasrampur S, Socal M, Anderson GF. Is the Orphan Drug Act Being Used as a Loophole to Extend Periods of Drug Exclusivity? *ISPOR International Conference*; May 22, 2018, Baltimore, MD.

Invited Seminars and Lectures

“Patient Preferences”

- PHRD 7400 Pharmacoeconomics, University of Colorado; Oct 6, 2009, Aurora, CO.
- PHRD 7400 Pharmacoeconomics, University of Colorado; Oct 18, 2010, Aurora, CO.
- PHRD 7400 Pharmacoeconomics, University of Colorado; Oct 8, 2011, Aurora, CO.
- PHRD 7400 Pharmacoeconomics, University of Colorado; Nov 9, 2012, Aurora, CO.
- Summer Program in Outcomes Research Training (SPORT), University of Chicago; July 10, 2014, Chicago, IL.
- Summer Program in Outcomes Research Training (SPORT), University of Chicago; July 14, 2015, Chicago, IL.

“Cost-effectiveness Modeling in Microsoft Excel”

- Division of Global Health Economics, Amgen Inc.; Jul, 2011, Thousand Oaks, CA.

“Descriptive Statistics”

- PHRD 6400 Biostatistics, University of Colorado; Oct, 2011, Aurora, CO.

“Meta-analysis”

- PHRD 6400 Biostatistics, University of Colorado; Nov 14, 2012, Aurora, CO.

“U.S. Health Policy and Pharmaceutical Policy”

- PHRD 5450 US Healthcare Systems, University of Colorado; Jan-May, 2011, Aurora, CO.
- PHRD 5450 US Healthcare Systems, University of Colorado; Jan-May, 2012, Aurora, CO.
- PHRD 5450 US Healthcare Systems, University of Colorado; Jan-May, 2013, Aurora, CO.

“Comparative Effectiveness of Quality Improvement Strategies for Pressure Ulcer Prevention at U.S. Academic Medical Centers.”

- Outcomes Research Workshop, Biological Sciences Division, University of Chicago; October 17, 2013, Chicago, IL.
- Chicago LEARN, UHC; October 22, 2013, Chicago, IL.
- Nursing Grand Rounds, University of Chicago; February 17, 2014, Chicago, IL.
- Rocky Mountain Chapter, Wound Ostomy and Continence Nurses (WOCN) Society; August 24, 2014, Denver, CO.
- Rocky Mountain Chapter, WOCN Society; October 14, 2014, Salt Lake City, UT.
- Chicago-area Chapter, WOCN Society; November 4, 2014, Chicago, IL
- Nebraska Chapter, *Sigma Theta Tau*; November 18, 2014, Omaha, NE.

“Determining the Cost of Obesity and its Common Comorbidities from a Commercial Claims Database.”

- Health Economics Workshop, Harris School of Public Policy, University of Chicago; February 27, 2014, Chicago, IL.

“Best-practices in Quality Improvement to Achieve HAPU Prevention.”

- VCU Pressure Ulcer Summit; March 20, 2014, Richmond, VA.
- VCU Stepping Stones; September 11, 2015, Richmond, VA.
- WOCN Southeast; August 19, 2016

“Cost-effectiveness Analysis and Comparative Effectiveness Research.”

- National Institute for Minority Health Disparities (NIMHD) Conference; August 16, 2014, Bethesda, MD.
- National Institute for Minority Health Disparities (NIMHD) Conference; August 14, 2015, Bethesda, MD.

- Health Equity Jam Session, Hopkins Center to Eliminate Cardiovascular Health Disparities; September 23, 2015, Baltimore, MD.
 - JHSPH 300.715.01: Research and Evaluation Methods for Health Policy II. April 12, 2016, Baltimore, MD
- “Using EHR data to dynamically predict hospitalized patient Braden Scores”
- Outcomes Research Workshop, Biological Sciences Division, University of Chicago; October 8, 2014, Chicago, IL
 - Chicago LEARN, UHC; October 16, 2014, Chicago, IL
- “Pay for Performance”
- Social Context of Medicine and the American Healthcare System, Pritzker School of Medicine, University of Chicago; November 4, 2014, Chicago, IL
- “Healthcare and Hospitality: Can They Coexist?”
- Kennedy-King Community College; February 18, 2015, Chicago, IL.
- “Best-practices for Dissertations and Theses”
- Roundtable (with M. Coca-Perrailon, A. Harrington, M. Mann), ISPOR Western Pharmacoeconomics Conferences; March 5, 2015, Denver, CO.
- “Quality Improvement Frameworks to Implement Evidence-based Practices for Pressure Ulcer Prevention”
- National Pressure Ulcer Advisory Panel (NPUAP); May 12, 2015, Online Webinar.
 - WOCN Society Annual Meeting; June 11, 2015, San Antonio, TX.
 - Stepping Stones Conference on Wound Care, Virginia Commonwealth University; September 11, 2015, Richmond, VA.
 - New Jersey Hospital Association (NJHA); June 15, 2016, Online Webinar.
- “Applying Dynamic Simulation Modeling Methods in Health Care Delivery Research – The SIMULATE Checklist and Emerging Good Practices”
- ISPOR; August 25, 2015, Online Webinar.
- “Pressure Ulcer Prevention: New Data for Improved Outcomes”
- Symposium on Advanced Wound Care, Society for Advanced Wound Care (SAWC); September 26, 2015, Las Vegas, NV.
- “Managing Hospital EHR Data to Evaluate and Predict Pressure Ulcer Outcomes”
- 2016 Staging Consensus Conference, NPUAP; April 9 2016, Chicago, IL.
- “Cost-effectiveness of Tyrosine Kinase Inhibitor Treatment Strategies for Chronic Myeloid Leukemia in Chronic-Phase After Generic Entry of Imatinib”
- Center for Pharmaceutical Outcomes Research (CePOR) Graduate Student Seminar, University of Colorado; September 8, 2016, Aurora, CO.
- “Building and Presenting Constrained Optimization Models in Healthcare: A Case Study of Optimal Kidney Matching”
- Economic Outcomes Research Workshop, ISPOR European Congress; October 31, 2016, Vienna, AU.
- “Paving the Way to High-value Pressure Injury Care with Big Data”
- Molnlycke; November 17, 2016, Online Webinar.
 - 2017 Conference, SAWC; April 12, 2017, San Diego, CA.
 - Molnlycke; June 5, 2017, Chicago, IL.

“Improving the Quality and Affordability of Pressure Injury Prevention Using Big Data”

- Oxford Institute for Nursing, Midwifery and Allied Health (OxINMAHR) Seminar, Oxford Brookes University; December 1, 2016.

“Let’s Start at the Top: Getting Administrative Buy-in”

- 2017 Conference, NPUAP; March 10 2017, New Orleans, LA.

“Emerging Healthcare Models”

- 2017 Strategic Planning Meeting, ANCC; July 12, 2017, Silver Spring, MD.

“Developing New Policies in Response to Rising Drug Prices in the U.S.”

- Oxford University Health Economics Research Center (HERC); November 15, 2017, Oxford, UK.
- ICON – Oxford Outcomes Group; November 17, 2017, Oxford, UK.

“Optimizing Pressure Injury Prevention with an Enhanced Quality Improvement Bundle”

- Wound Ostomy Continence Nurses Society, Mid-Atlantic Chapter; November 1, 2017, Baltimore, MD.
- Tissue Viability Nurses Society, London Chapter; November 15, 2017, London, UK.

“Deciphering The Codes: ICD 10, ICD 11, LOINC, SNOMED and CMS”

- NPUAP Annual Conference; March 3, 2018, Las Vegas, NV.

“Integrating Sensor Technology into Pressure Injury Prevention: Care Pathway for Better Outcomes”

- American Nurses Association (ANA) Quality & Innovation Conference, Breakfast Symposium; March 22, 2018, Orlando, FL.

ADDITIONAL INFORMATION

Personal Statement

William Padula, PhD is an Assistant Professor of Health Economics in the Leonard D. Shaeffer Center for Health Policy & Economics at University of Southern California in Los Angeles, CA. His work extensively covers the theoretical foundations of medical cost-effectiveness analysis. He has found innovative ways of combining pharmaceutical and health economics methods with data analytics, health system quality improvement, and drug pricing issues. He has performed innovative comparative effectiveness research in the fields of wound care and hospital-acquired condition prevention, particularly regarding pressure injuries (aka “bedsores”).

He also holds adjunct appointments at Johns Hopkins University in the School of Nursing and the Armstrong Institute for Patient Safety and Quality at Johns Hopkins Medicine. Previously, he completed a postdoctoral fellowship in health economics at The University of Chicago and led an AHRQ-funded investigation to develop predictive algorithms of patient risk for pressure injury prevention in hospitals. In addition to over 65 scientific publications, he has received the AcademyHealth Outstanding Dissertation Award and several other international recognitions. He currently serves on the Board of Directors for the National Pressure Ulcer Advisory Panel (NPUAP) and as a Commissioner for the American Nurses Credentialing Center (ANCC) Magnet® Recognition Program.

Key Words

Health Economics; Cost-effectiveness Analysis; Economic Evaluation; Health Services Research; Health Outcomes Research; Quality Improvement; Patient Safety; Pressure Ulcers