

**Kalyani B. Sonawane, Ph.D.**  
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## **CURRENT POSITION AND CONTACT INFORMATION**

September 2018-Present    Assistant Professor (Tenure-Track)  
Center for Health Care Data  
Department of Management, Policy, and Community Health  
The University of Texas Health Science Center at Houston,  
Houston, TX

## **A. BACKGROUND**

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### **EDUCATION**

2015            Ph.D. Auburn University, AL, USA  
Major: Health Outcomes and Policy  
Minor: Statistics

2010            Bachelor of Pharmacy, University of Pune, MH, India

### **PROFESSIONAL EXPERIENCE**

2016-2018    Clinical Assistant Professor  
Department of Health Services Research, Management and Policy,  
University of Florida, Gainesville, FL

2015 –2016    Health Outcomes Researcher  
Life Sciences Research  
Anthem BlueCross BlueShield, Wilmington, DE

2012            Student Intern  
Health Economics and Outcomes Research  
Takeda Pharmaceuticals, Deerfield, IL

### **ADMINISTRATIVE APPOINTMENT**

2017-2018    Ph.D. Program Director  
Department of Health Services Research, Management and Policy,  
University of Florida, Gainesville, FL

**HONORS AND AWARDS**

- HealthCore Values in Action Award, 2016
- Best poster award finalist, ISPOR 20th Annual International Meeting, 2015
- Graduate School Travel Award, Auburn University, 2015
- Dean's Travel Award, Harrison School of Pharmacy, Auburn University, 2014
- Don Tillery Fellowship, Harrison School of Pharmacy, Auburn University, 2013
- President, Auburn University ISPOR students chapter, 2013
- Outstanding International Graduate Student, Auburn University, 2012
- Vice-president, Auburn University ISPOR student chapter, 2012
- Graduate School Travel Award, Auburn University, 2011
- Secretary, Auburn University Indian Student Association, 2011
- Cultural Committee member, Auburn University Indian Student Association, 2010
- Academic Scholarship, Auburn University, 2010-2015

**B. RESEARCH SUPPORT**

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**CURRENT**

R01CA232888 (Deshmukh)	04/2019 – 03/2023	2.4 CM
NIH/NCI	\$2,055,830	
Optimizing Age-based Anal Cancer Screening among People Living with HIV using Decision Analytic Modeling		
Role: Co-Investigator		

**PENDING RESEARCH SUPPORT**

R25 (Wu)	07/2019 – 06/2024	Mentor (In kind)
NIH/NIAID	\$322,854	
Education and Promotion in Use/Reuse of Existing Data for Immunology and Infectious Disease Research		

**PAST GRANTS AND RESEARCH SUPPORT**

Florida Department of Health (Mainous)	2016-2017	2.4 CM
	\$80,908	
Resource Allocation to the School Health Services Program in Florida		
Role: Co-Investigator		

UTSPH Research Program (Sonawane)	2014-2016	Database Support
Outcomes of treatment modifications among newly treated hypertensive patients		
Role: Principal Investigator		

1U01FD005272-02 (Hansen) 2014-2016  
Food and Drug Administration \$399,970  
Post-market Authorized Generic Evaluation (PAGE)  
Role: Graduate Research Assistant

National Pharmaceutical Council (Hansen) 2012-2013  
\$102,184  
Heterogeneity of treatment effects across methods, populations, and data resources  
Role: Graduate Research Assistant

HANSE11OMOP (Hansen) 2011-2012  
Foundation for the National Institutes of Health \$212,850  
Developing a structured process for measuring and interpreting health outcomes of  
interest in the Observational Medical Outcomes Partnership (OMOP) common data  
model  
Role: Graduate Research Assistant

#### PEER-REVIEWED PUBLICATIONS

1. Desai R, **Sonawane K**. Depression Treatment Use Among Stroke Individuals With Depression: A Cross-sectional Analysis of the Medical Expenditure Panel Survey (MEPS). 2018. ***Research in Social and Administrative Pharmacy***. In Press.
2. Kern DM, Chang L, **Sonawane K**, Larmore CJ, Boytsov NN, Quimbo RA, Singer J, Hinton JT, Araujo AB. Treatment Patterns among Patients with Psoriasis using a Large National Payer Database: A Retrospective Study. ***Journal of Medical Economics***. 22 (1): 53-62. 2019.
3. **Sonawane K**, Chhatwal J, Deshmukh AA. Folic Acid-Containing Dietary Supplement Consumption and Risk of Cardiovascular Diseases in Rheumatoid Arthritis Patients: NHANES 1999-2014. 2018. ***Journal of General Internal Medicine***. In press.
4. Suk R, Mahale P, **Sonawane K**, Sikora A, Chhatwal J, Schmeler K, Sigel K, Cantor SB, Chiao EY, Deshmukh AA. Second Primary HPV-associated Cancers after Index HPV-associated Cancer: Overall and Subsite-Specific Risk and Trends. ***JAMA Network Open***. 1(5): e181999. 2018. DOI: 10.1001/jamanetworkopen.2018.1999
5. **Sonawane K**, Dutcher S, Hansen RA. Serious Adverse Drug Events Reported to the Food and Drug Administration (FDA): Analysis of the FDA Adverse Event Reporting System (FAERS) 2006-2014 Database. ***Journal of Managed Care and Specialty Pharmacy***. 24(7): 682-690. 2018. DOI: 10.18553/jmcp.2018.24.7.682

6. Deshmukh AA, Shirvani SM, Likhacheva A, Chhatwal J, Chiao EY, **Sonawane K**. The Association Between Dietary Quality and Overall and Cancer-specific Mortality Among Cancer Survivors, NHANES III. **JNCI Cancer Spectrum**. 2(2): pky022. 2018. DOI: 10.1093/jncics/pky022
7. Kern DM, Chang L, **Sonawane K**, Larmore CJ, Boytsov NN, Quimbo RA, Singer J, Hinton JT, Araujo AB. Treatment patterns of newly diagnosed rheumatoid arthritis patients from a commercially insured population. 2018. **Rheumatology and Therapy**. *In press*.
8. Hong YR, **Sonawane K**, Holocomb H, Chen G, Deshmukh A. Effect of Multimodal Information Delivery for Diabetes Care on Colorectal Cancer Screening Uptake Among Individuals with Type 2 Diabetes. **Preventive Medicine Reports**. 11:89-92. 2018. DOI: 10.1016/j.pmedr.2018.05.008
9. Hong YR, **Sonawane K**, Larson S, Mainous III AG, Marlow NM. Impact of Provider Participation in ACO Programs on Preventive Care Services, Patient Experiences, and Health Care Expenditures in U.S. Adults Aged 18-64. **Medical Care**. 56(8):711-718. 2018. DOI: 10.1097/MLR.0000000000000935
10. **Sonawane K**, Deshmukh AA, Segal MS. Pulse Pressure, Arterial Stiffening, and Efficacy of Renin-Angiotensin System Inhibitor Combinations. 2018. **Journal of Human Hypertension**. 32(2):165-166. 2018. DOI: 10.1038/s41371-017-0014-1
11. **Sonawane K**, Suk R, Chiao EY, Chhatwal J, Qiu P, Wilkin T, et al. Oral Human Papillomavirus Infection: Differences in Prevalence Between Sexes and Concordance With Genital Human Papillomavirus Infection, NHANES 2011 to 2014. **Annals of Internal Medicine**. 167:714–724. 2017. DOI: 10.7326/M17-1363
12. **Sonawane Deshmukh K**, Qian J, Garza KB, Wright BM, Zeng P, Ganduglia Cazaban CM, Hansen RA. Healthcare Costs Following Modification of First-Line Monotherapy—A Comparative Analysis of Titrating, Adding, and Switching Antihypertensive Drug. **Journal of Managed Care and Specialty Pharmacy**. 23(6):691-699. 2017. DOI: 10.18553/jmcp.2017.23.6.691
13. Deshmukh AA, Tanner RJ, Luetke MC, Hong Y, **Sonawane Deshmukh K**, Mainous III AG. Prevalence and Risk of Penile HPV Infection: Evidence from the National Health and Nutrition Examination Survey 2013-14. **Clinical Infectious Diseases**. 64(10):1360-1366. 2017. DOI: 10.1093/cid/cix159.
14. **Sonawane Deshmukh K**, Qian J, Garza KB, Wright BM, Zeng P, Ganduglia Cazaban CM, Hansen RA. Achieving Adherence after First-Line Antihypertensive Treatment: Should Fixed-Dose Combinations Receive Priority? **Journal of Clinical Hypertension**. 18(9):934-941. 2016. DOI: 10.1111/jch.12799.

15. **Sonawane K**, Qian J, Garza KB, Wright BM, Zeng P, Ganduglia Cazaban CM, Hansen RA. Patterns of Treatment Modification Among Newly Treated Hypertensive Patients: Does Choice of Modification Strategy Affect The Likelihood of Treatment Discontinuation? *Journal of Hypertension*. 34(3):548-557. 2016. DOI: 10.1097/HJH.0000000000000806.
16. **Sonawane K**, Qian J, Hansen RA. Utilization Patterns of Antihypertensive Drugs among the Chronic Kidney Disease Population in the US: A Cross-Sectional Analysis of the National Health and Nutrition Examination Survey. *Clinical Therapeutics*. 2014. 37(1):188-96 DOI: 10.1016/j.clinthera. 2014.11.011.
17. Richard A Hansen, Peng Zeng, Patrick Ryan, Juan Gao, **Kalyani Sonawane**, Benjamin Teeter, Kimberly Westrich, Robert Dubois. Exploration of Heterogeneity in Distributed Research Network Drug Safety Analyses. *Research Synthesis Methods*. 2014; 5(7): 352-370 DOI: 10.1002/jrsm.1121.
18. Eiland LS, **Sonawane K**. Vancomycin Dosing in Healthy Weight, Overweight and Obese Pediatric Patients. *Journal of Pediatric Pharmacology and Therapeutics*. 2014; 19(3):182-8.

## PRESENTATIONS AND ABSTRACTS

1. Sonawane K, Zhu Y, Suk R, Deshmukh A, Aguilar D. Antihypertensive Drug Use and Blood Pressure Control Among Stroke Survivors in the US: NHANES 2003-2014. UT School of Public Health Research Day. 2019. Houston, TX. **\*Winner for best poster award**
2. Ryan Suk, Parag Mahale, **Kalyani Sonawane**, Andrew G. Sikora, Jagpreet Chhatwal, Kathleen Schmeler, Keith Sigel, Scott B. Cantor, Elizabeth Y. Chiao, Ashish A. Deshmukh. Risk of Second Primary HPV-associated Cancers after Index HPV-associated Cancers. 2018. American Society of Clinical Oncology. Chicago, IL, USA. **\*Presented for ASCO panel discussion.**
3. Ryan Suk, **Kalyani Sonawane**, Elizabeth Chiao, Jagpreet Chhatwal, Andrew G. Sikora, Keith Sigel, Ashish A. Deshmukh. Association between HPV-related cancers and inflammatory bowel diseases. *Accepted for online publication in ASCO journal.*
4. Desai Raj, **Kalyani Sonawane**. Evaluating The Burden Of Prostate Cancer On Healthcare Utilization, Cost, and Health Status Using the Medical Expenditure Panel Survey: A Propensity Matched Score Analysis. 2018. The ISPOR 21st Annual International Meeting, Baltimore, MD, USA

5. Young-Rock Hong, **Kalyani Sonawane**, Derek Holcomb, Ashish Deshmukh. Determination of Uptake and Barrier to Colorectal Cancer Screening among Diabetic Patients. 2017. Academy Health, New Orleans, LA, USA
6. **Kalyani Sonawane**, Natalie Silver, Ashish Deshmukh. Quality of Dietary Intake and Cancer-specific Mortality among Patients Diagnosed with Cancer. 2016. University of Florida Health Cancer Center Research Day, University of Florida, Gainesville, FL, USA
7. Mwangi J Murage, David M Kern, **Kalyani Sonawane**, William N Malatestinic, Talia M Muram, Ralph A Quimbo, Andre B Araujo. Treatment Patterns among Psoriasis Patients from a Large National Payer Database: A Retrospective Study. 2016. Academy of Managed Care Pharmacy, National Harbor, MD, USA.
8. **Kalyani Sonawane**, Jingjing Qian, Kimberly Garza, Peng Zeng, Bradley Wright, Cecilia Ganduglia Cazaban, Richard Hansen. Patterns of Treatment Modifications in Newly Treated Hypertensive Patients: Does Choice of Modification Strategy Affect Likelihood of Treatment Discontinuation? 2015. The ISPOR 20th Annual International Meeting, Philadelphia, PA, USA
9. **Kalyani Sonawane**, Jingjing Qian, Richard Hansen. Serious Adverse Drug Events Reported to the Food and Drug Administration (FDA): Analysis of the FDA Adverse Event Reporting System (FAERS) 2006-2011 Database. 2015. The ISPOR 20th Annual International Meeting, Philadelphia, PA, USA **\*Best poster award finalist**
10. **Kalyani Sonawane**, Jingjing Qian, Richard Hansen. Serious Adverse Events Reported to the Food and Drug Administration: 2006-2011. 2014. Southern Pharmacy Administration Conference, Oklahoma City, OK, USA
11. **Kalyani Sonawane**, Richard Hansen. Use of Antihypertensive Drugs in the Advanced Stage Chronic Kidney Disease Population in the United States. 2013. The ISPOR 18th Annual International Meeting, New Orleans, LA, USA
12. Richard A Hansen, Peng Zeng, Patrick Ryan, Juan Gao, **Kalyani Sonawane**, Benjamin Teeter, Kimberly Westrich, Robert Dubois. Exploration of Heterogeneity in Distributed Research Network Drug Safety Analyses. 2013. The ISPOR 18th Annual International Meeting, New Orleans, LA, USA
13. Ashish A. Deshmukh, Ariel Chen, **Kalyani Sonawane**, Scott B. Cantor. The Use of DALYs and QALYs in Outcomes Analysis. 2013. The ISPOR 18th Annual International Meeting, New Orleans, LA, USA
14. Wright Bradley, Marlowe Karen, **Kalyani Sonawane**, Errol Crook, Evaluation of a Collaborative Care Model for Pharmacist Interventions to Impact Medication Adherence For Hypertension in a University Ambulatory Care Setting. 2013. Alabama Society of Health System Pharmacists Summer Meeting, Destin, FL, USA

15. Dalton Walsh, **Kalyani Sonawane**, Emily Armstrong. Evaluating Clinical Pharmacist Impact on Diabetes Control: Outcomes on Hemoglobin A1c. 2013. American Society of Health-System Pharmacists, Orlando, FL, USA

16. Dalton Walsh, **Kalyani Sonawane**, Emily Armstrong. Evaluating Clinical Pharmacist Impact on Diabetes Control: Outcomes on Blood Pressure, Lipids, and Diabetic Medications. 2013. American Society of Health-System Pharmacists, Orlando, FL, USA

## **SEMINARS, INVITED TALKS, AND PROFESSIONAL PRESENTATIONS**

2018 Invited Talk, UT School of Public Health, Houston, TX

Topic: Leveraging Healthcare Data for Studying Health Outcomes

2017 Invited Talk, Auburn University, Auburn, AL

Topic: *How to Succeed In Your PhD*

2016 Invited Talk, University of Florida College of Medicine, Gainesville, FL

Topic: *Quasi-experimental Research*

2015 Invited Talk, Xcenda, Palm Harbor, FL

Topic: *Outcomes of Treatment Modifications Among Newly Treated Hypertensive Patients*

## **C. TEACHING AND MENTORING**

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### **COURSES**

Instructor	PHWM 3715: Management and Policy Concepts (Spring 2019)
Instructor	HSA 7708: Health Services Research Methods II (Spring 2018)
Instructor	HSA 6395: Healthcare Data Analytics I (Fall 2017)
Instructor	HSA 7938: Integrative Seminar (Summer 2017)
Instructor	HSA 7759: Public Health Quality and Outcomes (Spring 2017)
Instructor	HSA 6196: Healthcare Data Analytics II (Spring 2017, Spring 2018)
Guest lecture	HSA 6436: Health Economics (Spring 2017)
Guest lecture	PYPC 7820: Research Methods in Health Sciences (Fall 2013 & 2014)

### **PhD STUDENT ADVISER**

- Ivana Vaughn (Dissertation committee member)

### **MPH STUDENT ADVISER**

- Luciani Dana (2017)
- Stone Marissa (2018)
- Madison Arenchild (2019)

## **D. PROFESSIONAL SERVICES**

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### **MEMBERSHIP**

- Member, International Society for Pharmacoeconomics and Outcomes Research
- Member, American Heart Association

### **AD-HOC JOURNAL REVIWER**

- Annals of Internal Medicine
- The Annals of Pharmacotherapy
- Pharmacoepidemiology and Drug Safety
- American Journal of Kidney Diseases
- Journal of Pharmacy Technology
- Journal of Managed Care and Specialty Pharmacy
- The Journal of Clinical Hypertension

### **SCIENTIFIC ABSTRACT REVIWER**

- 2016 Gator Healthcare Forum
- ISPOR 22<sup>nd</sup> Annual International Meeting, Boston, USA
- ISPOR 6<sup>th</sup> Latin America Conference, São Paulo, Brazil
- ISPOR 20<sup>th</sup> Annual European Congress, Glasgow, Scotland
- AMCP Nexus 2017, Dallas, USA
- AMCP 2018, Boston, USA

## **E. SELECTED MEDIA**

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- NY Times: [7 Million American Men Carry Cancer-Causing HPV Virus](#)
- TIME: [1 in 9 Men Have Oral HPV](#)
- Forbes: [Men Found Six Times More Likely Than Women To Have Highest Risk HPV Infection](#)
- US Pharmacist: [Although Pricier Initially, Fixed-Dose BP Medications Save Money Overall](#)
- US News: [Balanced diet may be key to cancer survival](#)
- CNN: [One in nine American men has oral HPV, study finds](#)
- CBS News: [1 in 9 American men are infected with oral HPV](#)
- The American Journal of Pharmacy Benefits: [Fixed-Dose Combination Drugs May Benefit Hypertension Patients](#)