

**ASHISH A. DESHMUKH, PhD, MPH**  
CURRICULUM VITAE

**Associate Professor**  
Management, Policy and Community Health  
**Associate Director**  
Center for Health Services Research  
UTHealth School of Public Health

RAS E-329, 1200 Pressler St  
Houston, TX 77030  
Phone: (713) 500-9180  
Fax: (713) 500-9493  
Email: [ashish.a.deshmukh@uth.tmc.edu](mailto:ashish.a.deshmukh@uth.tmc.edu)

---

**EDUCATION AND TRAINING**

**Postdoctoral Training**

2014 – 2016            The University of Texas MD Anderson Cancer Center, Houston, TX  
Janice Davis Gordon Memorial Postdoctoral Fellow in Clinical Decision  
Science, Cancer Prevention Research Training Program and Health  
Services Research  
Mentoring Committee: Scott B. Cantor, PhD, Elizabeth Y. Chiao, MD,  
MPH, Jagpreet Chhatwal, PhD, Hui Zhao, PhD

**Graduate**

2010 – 2014            UTHealth School of Public Health, Houston, TX  
Ph.D., Public Health / Health Economics  
Advisor: Luisa Franzini, PhD; Supervisor: Scott B. Cantor, PhD  
Dissertation: Examination of clinical and economic outcomes of anal  
cancer treatment

2008 – 2010            Texas A&M School of Public Health, College Station, TX  
M.P.H., Health Policy and Management

**Undergraduate**

2003 – 2007            Pune University, Nashik, India  
B.S., Pharmacy

**APPOINTMENTS AND POSITIONS**

**Academic Appointments**

09/2021 – Present      Associate Professor (Tenured), Management, Policy and Community  
Health (MPACH), UTHealth School of Public Health, Houston, Texas

07/2018 – 08/2021      Assistant Professor (Tenure Track), Management, Policy and Community  
Health (MPACH), UTHealth School of Public Health, Houston, Texas

08/2016 – 06/2018      Assistant Professor (Tenure Track), Health Services Research,  
Management and Policy, College of Public Health and Health  
Professions, University of Florida, Gainesville, Florida

## **Professional Positions**

11/2020 – Present	Associate Director, Center for Health Services Research (CHSR), UTHealth School of Public Health
11/2020 – Present	Co-Director, Clinical Analytics & Decision Science (CADSci) Lab at UTHealth School of Public Health
07/2018 – Present	Member, Center for Health Services Research, UTHealth School of Public Health, Houston, Texas
08/2016 – 06/2018	Member, University of Florida Health Cancer Center, University of Florida, Gainesville, Florida
12/2011 – 02/2013	Graduate Research Assistant, Department of Biostatistics, The University of Texas MD Anderson Cancer Center, Houston, Texas
03/2013 – 07/2014	Graduate Research Assistant, Department of Health Services Research, The University of Texas MD Anderson Cancer Center, Houston, Texas
10/2010 – 11/2011	Graduate Research Assistant, Center for Health Services Research / Institute for Health Policy, UTHealth School of Public Health

## **Other appointments / affiliations**

2022 – Present	Texas Developmental Center for AIDS Research (TX D-CFAR)
2020 – Present	Partner, HIV/AIDS Cancer Match (HACM) Registry, Infections and Immunoepidemiology Branch, Division of Cancer Epidemiology & Genetics, National Cancer Institute
2019 – Present	Member, Malignancy Working Group, The North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD), consortium based at Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
2019 – Present	Member, Task Force on Guidelines Committee, International Anal Neoplasia Society (IANS)
2019 – Present	Member, Membership Committee, Society for Medical Decision Making (SMDM)

## **HONORS AND AWARDS**

2022	Outstanding reviewer of 2021, <i>Annals of Internal Medicine</i>
2021	Publication (Sonawane et al. <i>JAMA Network Open</i> . 2021) featured in the National Cancer Institute's Cancer Current Blog: <a href="#"><u>Despite Proven Safety of HPV Vaccines, More Parents Have Concerns.</u></a>

- 2021 Research Mentor-Mentee Award for 2021 (Dr. David R. Lairson [Mentor]). UTHealth School of Public Health
- 2021 Outstanding reviewer of 2020, *Annals of Internal Medicine*
- 2019 Publication (Deshmukh et al. *JNCI*. 2019) featured in the National Cancer Institute's Cancer Current Blog: [Anal Cancer Incidence and Deaths Are Rising in the United States](#).
- 2019 Publication (Deshmukh et al. *JNCI*. 2019): Fourth most shared *JNCI* article of 2019; Also, selected as Editor's Choice study
- 2019 Plenary Speaker, 17<sup>th</sup> International Conference on Malignancies in HIV/AIDS, National Cancer Institute. Lister Hill Center Auditorium, National Library of Medicine, NIH (Topic: Recent Trends in Anal Cancer Incidence: Implications for Prevention Using Disease Simulation Modeling)
- 2016 The Thomas H. and Mayme P. Scott Fellowship in Cancer Research for 2016, The University of Texas MD Anderson Cancer Center
- 2016 Outstanding Postdoctoral Trainee in Cancer Prevention for 2016, The University of Texas MD Anderson Cancer Center
- 2015 Lee B. Lusted best student presentation award in Health Services, Outcomes and Policy Research, The 37<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, St. Louis, MO, 2015 (Topic: Value of addition of HPV vaccination to anal precancerous lesion treatment in older MSM: do we need further evidence?)
- 2015 Finalist, Lee B. Lusted best student presentation award in Applied Health Economics, The 37<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, St. Louis, MO, 2015. (Topic: Adjuvant HPV vaccination in older HIV-positive men who have sex with men for the prevention of anal cancer: long-term clinical and economic benefits)
- 2014 Finalist, Lee B. Lusted best student presentation award in Applied Health Economics, The 36<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, Miami, FL, 2014. (Topic: Clinical effectiveness and cost-effectiveness of quadrivalent human papillomavirus vaccination in HIV-negative men who have sex with men to prevent recurrent high-grade anal intraepithelial neoplasia)
- 2013 Second prize, ISPOR Quiz Competition, ISPOR 18th Annual International Meeting, New Orleans, LA
- 2011 Competitive academic scholarship, UTHealth School of Public Health, Houston, TX
- 2010 Fred W. Dollar competitive academic scholarship, Texas A&M University, College Station, TX

## PUBLICATIONS

[Reverse chronological order, ‡ current or former mentee, \* authors with equal contribution]

1. Keller K, Ramos-Cartagena JM, Guiot H, Muñoz C, Rodríguez Y, Colón-López V, **Deshmukh AA**, Tirado-Gómez M, Patricia Ortiz A. Association of smoking with anal high-risk HPV infection and histologically confirmed anal high-grade squamous intraepithelial lesions among a clinic-based population in Puerto Rico. *Cancer Treatment Research Communications*. In Press.
2. Lin Y\*, Damgacioglu H,\* Suk R, Wu C, Zhu Y, Ortiz AP, Hara S, Sonawane K, **Deshmukh AA**. Trends in the Incidence of Human Papillomavirus-Associated Cancers by County-Level Income and Smoking Prevalence in the United States, 2000-2018. *JNCI Cancer Spectrum*. In Press.
3. Damgacioglu H‡, Sonawane K, Chhatwal J, Lairson DR, Clifford GM, Giuliano AR, **Deshmukh AA**. Long-term impact of HPV vaccination and COVID-19 pandemic on oropharyngeal cancer incidence and burden among men in the USA: A Modeling Study. *Lancet Regional Health – Americas*. In Press.
4. Kwak M, Chang M, Chiadika S, Aguilar D, Avritscher E, **Deshmukh AA**, Goyal P, Kim DH, Aparasu R, Holmes H. Healthcare expenditure associated with polypharmacy in older adults with cardiovascular diseases. *American Journal of Cardiology*. In Press.
5. Damgacioglu H‡, Sonawane K, Zhu Y, Li R, Balasubramanian B, Lairson DR, Giuliano AR, **Deshmukh AA**. Recent oropharyngeal cancer incidence and mortality trends in all 50 states in the USA, 2001-2017. *JAMA Otolaryngology – Head & Neck Surgery*. In Press.  
Accompanying editorial: Osazuwa-Peters N and Davies L. Population Trends and Long-term Outlook for Oropharyngeal Cancer: Have We Found a Silver Lining? *JAMA Otolaryngology – Head & Neck Surgery*.
6. Abel M, Mann AK, Sonawane K, Kapp DS, **Deshmukh AA**, Chan JK. Prevalence of Oral Human Papillomavirus Infection by Number of Vaccine Doses Among U.S. Adults. *JNCI Cancer Spectrum*. In Press.
7. Sonawane K\*, Suk R‡\*, Chiao EY, Schmeler K, Montealegre J, Fernandez M, **Deshmukh AA**. Evaluation of Cervical Cancer Screening Uptake and Adherence Among Women Without Human Papillomavirus Vaccination in the US. *JAMA Network Open*. 2021. 4 (10): e2131129-e2131129
8. Ortiz AP, Gierbolini-Bermúdez A, Ramos-Cartagena JM, Colón-López V, Sonawane K, **Deshmukh AA**, Ortiz-Ortiz KJ. Cervical Cancer Screening Among Medicaid Patients During Natural Disasters and the COVID-19 Pandemic in Puerto Rico, 2016 to 2020. 2021. *JAMA Network Open*. 4 (10): e2128806-e2128806

9. Sun SS, Suk R‡, Kuerer HM, Cantor SB, Raber B, **Deshmukh AA**. No treatment versus partial mastectomy plus radiation for ductal carcinoma in situ. *Annals of Surgical Oncology*. 2021. doi: 10.1245/s10434-021-10758-9. Online ahead of print.
10. Suk R‡, Hong Y‡, Wasserman RM, Swint M, Belinda Azenui N, Sonawane K, Tsai J\*, **Deshmukh AA\***. Analysis of Suicide after Cancer Diagnosis by US County-Level Income and Rural/Urban Designation, 2000-2016. 2021. *JAMA Network Open*. 4 (10): e2129913-e2129913
11. Sonawane K, Lin YY‡, Damgacioglu H‡, Zhu Y‡, Fernandez M, Montealegre J, Ganduglia C, Li R, Lairson DR, Lin Y, Giuliano AR, **Deshmukh AA**. Trends in Human Papillomavirus Vaccine Safety Concerns and Adverse Event Reporting in the United States. *JAMA Network Open*. 2021. 4 (9): e2124502-e2124502  
Accompanying editorial: Osazuwa-Peters N, Rohde RL, Boakye EA. HPV Vaccination Is Safe—You Don't Have to Whisper It. *JAMA Network Open*.
12. Amboree TL, Sonawane K, **Deshmukh AA**, Montealegre JR. Regular healthcare provider status does not moderate racial/ethnic differences in human papillomavirus (HPV) and HPV Vaccine Knowledge. *Vaccines*. 2021. 9 (7): 802
13. Silvera R, Gaisa M, Liu Y, **Deshmukh AA**, Sigel K. The other side of screening: predictors of treatment and follow-up for anal precancers in a large health system. *AIDS*. 2021. 35 (13): 2157-2162
14. Nyitray AG, Schick VR, Swartz, PhD MD, Giuliano AR, Fernandez ME, **Deshmukh AA**, Ridolfi TJ, Ajala C, Brzezinski B, Sandoval M, Nedjai B, Smith JS, Chiao EY. Rationale and design of the Prevent Anal Cancer Self-Swab Study: a randomized clinical trial of home-based self-collection of cells for anal cancer screening. *BMJ Open*. 2021. 11 (6): e051118
15. Escobar B, Amboree TL, Sonowane K, **Deshmukh, AA**; McGee L, Rodriguez A, Jibaja-Weiss ML, Montealegre JR. Human Papillomavirus Awareness among Foreign- and US-born Hispanics, United States, 2017-2018. *Preventative Medicine Reports*. 2021. 101379
16. Huang D, Frank SJ, Verma V, Thaker NG, Brooks ED, Palmer MB, Harrison RF, **Deshmukh AA**, Ning M. Cost-Effectiveness Models of Proton Therapy for Head and Neck: Evaluating Quality and Methods to Date. *International Journal of Particle Therapy*. 8 (1): 339-353
17. Kobayashi M, Kwak M, Aguilar D, Goyal P, Holmes HM, **Deshmukh AA**, Aparasu RP. Prescribing Trend of Inappropriate Medications in Outpatient Clinics for Older Adults with Heart Failure in the United States: NAMCS 2012-2016. *American Journal of Cardiology*. In Press.

18. Sonawane K, Zhu Y‡, Lin Y‡, Damgacioglu H‡, Montealegre JR, **Deshmukh AA**. HPV Vaccine Recommendations and Parental Intent. *Pediatrics*. 2021.147 (3). e2020026286. doi: 10.1542/peds.2020-026286. [Epub ahead of print]
19. Ortiz AP, Ortiz-Ortiz KJ, Colón-López V, Tortolero-Luna G, Torres-Cintrón CR, Wu C, **Deshmukh AA**. Cervical cancer incidence in Puerto Rico, 2001-2017. *JAMA Oncology*. 2021. 7 (3):456-458
20. Gaisa MM, Sigel KM, **Deshmukh AA**, Lenskaya V, Chan CA, Silvera R, Winters J, Liu Y. Comparing anal cancer screening algorithms using cytology and HPV DNA testing in three high-risk populations. *J Infect Dis*. 2021. Sep 1;224(5):881-888
21. **Deshmukh AA**, Suk R‡, Shiels MS, Damgacioglu H‡, Lin Y‡, Stier EA, Nyitray AG, Chhatwal J, Nemutlu GS‡, Chiao EY, Schmeler K, Sigel K\*, Sonawane K\*. Incidence and burden of human papillomavirus-associated cancers by age and race/ethnicity among women in the United States, 2001-2017. *J Natl Cancer Inst*. 2021. Jun 1;113(6):792-796
22. Sonawane K, Zhu Y‡, Montealegre JR, Lairson DR, Bauer C, McGee LU, Giuliano A, **Deshmukh AA**. Parental intent to initiate and complete the HPV vaccine series in the US: findings from a nationwide cross-sectional survey. *Lancet Public Health*. 2020. 5 (9):e484-e492. doi: 10.1016/S2468-2667(20)30139-0. [Epub ahead of print]  
Accompanying editorial: Bednarczyk RA. Communications to improve intention to receive HPV vaccine. *Lancet Public Health*.
23. Ortiz-Ortiz KJ, Ramos-Cartagena JM, **Deshmukh AA**, Torres-Cintrón CR, Colón-López V, Ortiz A. Squamous cell carcinoma of the anus incidence, mortality, and survival among persons living with HIV and the general population in Puerto Rico, 2001-2016.. *JCO Global Oncology*. 2020. doi: 10.1200/GO.20.00299.
24. Montealegre JR, Anderson ML, Hilsenbeck SG, Chiao EY, Cantor SB, Parker SL, Daheri M, Bulsara S, **Deshmukh AA**, Jibaja-Weiss ML, Zare M, Scheurer ME. Mailed Self-Sample HPV Testing Kits to Improve Cervical Cancer Screening in a Safety Net Health System: Protocol for a Hybrid Type 2 Randomized Effectiveness-Implementation Trial. 2020.*Trials*. doi: 10.1186/s13063-020-04790-5.
25. Chiao E, Lensing SY, Wiley DJ, **Deshmukh AA**, Lee J, Darragh TM, Einstein MH, Jay N, Berry-Lawhorn M, Palefsky JM, Wilkin T, Barroso LF, Cranston RD, Levine R, Guiot HM, French AL, Citron D, Rezaei MK, Goldstone SE, Stier EA. Screening Strategies for the Detection of Anal High-Grade Squamous Intraepithelial Lesions in Women Living with HIV. *AIDS*. 2020. 34 (15): 2249-2258
26. Wheldon CW, Maness SB, Islam JY, **Deshmukh AA**, Nyitray AG. Gay and bisexual men in the U.S. lack basic information about anal cancer. *J Low Genit Tract Dis*. 2020. 25 (1):48-52
27. Liu Y, Hayes M, Ganz EM, Poggio JL, Lenskaya V, Malcom T, **Deshmukh AA**, Zheng W, Sigel K, Gaisa M. HIV-positive women with anal high-grade squamous intraepithelial

lesions: A study of 197 cases with long-term anogenital surveillance. *Modern Pathology*. 2020. [Epub ahead of print].

28. Stier E, Abbasi W, Valle Álvarez, Chiao EY, **Deshmukh AA**. Recurrence of anal high-grade squamous intraepithelial lesions among women living with HIV. *JAIDS*. 2020. [Epub ahead of print].
29. Sonawane K, Zhu Y, Chan W, Aguilar D, **Deshmukh AA**, Suarez-Almazor M. Association of serum folate and cardiovascular mortality in adults with rheumatoid arthritis. *JAMA Network Open*. 2020. doi: 10.1001/jamanetworkopen.2020.0100.
30. Gaisa M, Liu Y, **Deshmukh AA**, Stone K, Sigel K. Electrocautery ablation of anal high-grade squamous intraepithelial lesions: Effectiveness and key factors associated with outcomes. *Cancer*. 2020. [Epub ahead of print]  
Accompanying editorial: Goldstone S. Anal cancer prevention: Solving the puzzle piece by piece *Cancer*.
31. **Deshmukh AA\***, Suk R†\*, Shiels MS, Sonawane K, Nyitray AG, Liu Y, Gaisa MM, Palefsky J, Sigel K. Recent trends in squamous cell carcinoma of the anus incidence and mortality in the United States, 2001-2015. *J Natl Cancer Inst*. 2020. 112 (8):829-838.
32. Sonawane K, Nyitray AG, Nemutlu GS, Swartz M, Chhatwal J, **Deshmukh AA**. Prevalence of human papillomavirus infection by number of vaccine doses among US women. *JAMA Network Open*. 2019. doi: 10.1001/jamanetworkopen.2019.18571.
33. Suk R†, Montealegre JR, Nemutlu GS, Nyitray AG, Schmeler K, Sonawane K\*, **Deshmukh AA\***. Public knowledge of human papillomavirus and receipt of vaccination recommendations. *JAMA Pediatrics*. 2019. doi: 10.1001/jamapediatrics.2019.3105. 173 (11):1099-1102
34. Hong YR†, Huo J, Desai R, Cardel M, **Deshmukh AA**. Excess Costs and Economic Burden of Obesity-Associated Cancers in the United States. *Value in Health*. 2019. 22 (12): 1378-1386.
35. Stier EA, Lensing SY, Darragh TM, **Deshmukh AA**, Einstein ME, Palefsky JM, Jay N, Berry-Lawhorn JM, Wilkin T, Wiley DJ, Barroso LF, Cranston RD, Levine R, Guiot HM, French AL, Goldstone SE, Chiao E. Prevalence of and risk factors for anal high-grade squamous intraepithelial lesions in women living with HIV. *Clin Infect Dis*. 2019. pii: ciz408. doi: 10.1093/cid/ciz408. 70 (8):1701-1707
36. Huo JH, Chung TH, Kim BY, **Deshmukh AA**, Salloum RG, Bian J. Physician-Patient Discussions about Smoking and the Impact of Lung Cancer Screening Guidelines: Findings from the National Health Interview Survey 2011-2015. *J Gen Intern Med*. 2019. doi: 10.1007/s11606-019-05111-6. [Epub ahead of print]
37. Hong YR†, Cardel M, Suk R, Vaughn I, **Deshmukh AA**, Fisher C, Pavela G, Sonawane L. Teach-Back Experience and Hospitalization Risk among Patients with Ambulatory Care Sensitive Conditions: A Matched Cohort Study. *J Gen Intern Med*. 2019. doi: 10.1007/s11606-019-05135-y. [Epub ahead of print]

38. Sonawane K, Zhu Y, Balakrishnan R, Suk R, **Deshmukh AA**, Aguilar D. Antihypertensive Drug Use and Blood Pressure Control Among Stroke Survivors in the US: NHANES 2003-2014. *Journal of Clinical Hypertension*. 2019. 21: 766-773
39. Domganea JF, Messick C, Milbourne A, Guo M, Salcedo MP, Dahlstrom KR, Chiao EY, **Deshmukh AA**, Sturgis E, Schmeler K. Prevalence of anal dysplasia among women with lower genital tract dysplasia or cancer: Results of a pilot study. *Gynecologic Oncology*. 2019. 153(2): 266-270.
40. Daly AT, **Deshmukh AA**, Vidrine DJ, Prokhorov AV, Frank SG, Tahay, PD, Houchen ME, Cantor SB. Cost-effectiveness analysis of smoking cessation interventions using cell phones in a low-income population. *Tobacco Control*. 2019. 28(1):88-94.
41. Sonawane K, Chhatwal J, **Deshmukh AA**. Folic Acid-Containing Dietary Supplement Consumption and Risk of Cardiovascular Diseases in Rheumatoid Arthritis Patients: NHANES 1999-2014. *J Gen Intern Med*. 2019. 34(1):15-16.
42. Suk R†, Mahale P, Sonawane K, Sikora A, Chhatwal J, Schmeler K, Sigel K, Cantor SB, Chiao EY\*, **Deshmukh AA\***. Trends in Risks for Second Primary Cancers Associated With Index Human Papillomavirus Associated Cancers. *JAMA Network Open*. 2018. 1(5): e181999-e181999.
43. **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*. 2018. 2(2):pky022. doi: 10.1093/jncics/pky022.
44. Hong YR†, Sonawane K, Deshmukh K, Holcombe D, Chen G, **Deshmukh AA**. Impact of Multimodal Educational Information Delivery for Diabetes Care on Colorectal Cancer Screening Uptake among Individuals with Type 2 Diabetes. *Preventive Medicine Reports*. 2018. 11, 89-92.
45. Sonawane K, **Deshmukh AA**, Segal MS. Antihypertensive Therapy, Pulse Pressure, and Stroke: Analysis of the SPRINT-POP Data. *Journal of Human Hypertension*. 2018. 32(2) – 165.
46. Sonawane K, Suk R†, Chiao EY, Chhatwal J, Qiu P, Wilkin T, Nyitray AG, Sikora A, **Deshmukh AA**. Oral human papillomavirus infection: Differences in prevalence between sexes and concordance with genital human papillomavirus infection, NHANES 2011 to 2014. *Ann Intern Med*. 2017; 167(10):714-724.  
Accompanying editorial: Gravitt PE. Unraveling the Epidemiology of Oral Human Papillomavirus Infection. *Ann Intern Med*. 2017; 167(10):748-749.
47. **Deshmukh AA**, Chiao EY, Cantor SB, Stier EA, Goldstone SE, Nyitray AG, Wilkin T, Wang X, Chhatwal J. Management of precancerous anal intraepithelial lesions in HIV-positive MSM: clinical and cost-effectiveness. *Cancer*. 2017; 123(23):4709-4719.



Accompanying editorial: Wentzensen and Clarke. From clinical epidemiology to practice recommendations: Knowledge gaps and uncertainty in the management of anal precancers. *Cancer*; 123(23):4530-4534.

48. **Deshmukh AA**, Cantor SB, Fenwick E, Chiao EY, Nyitray AG, Stier EA, Goldstone SE, Wilkin T, Chhatwal J. Adjuvant HPV vaccination for anal cancer prevention in HIV-positive men who have sex with men: The time is now. *Vaccine*. 2017. 35: 5102-5019.
49. **Deshmukh AA**, Shirvani S, Lal I, Swint M, Cantor SB, Smith BD, Likhacheva A. Cost-Effectiveness Analysis Comparing Conventional, Hypofractionated, and Intraoperative Radiotherapy for Early-Stage Breast Cancer. *J Natl Cancer Inst*. 2017. 1;109(11). doi: 10.1093/jnci/djx068.  
Accompanying editorial: Eric Ojerholm, Gary M Freedman, Justin E Bekelman. The Dollars and Sense of Hypofractionated Breast Radiation. *J Natl Cancer Inst*. 2017. 1; 109(11).
50. **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. *Clin Infect Dis*. 2017; 64 (10):1360-1366.
51. **Deshmukh AA**, Zhao H, Das P, Chiao EY, You YN, Franzini L, Lairson DR, Swartz MD, Giordano SH, Cantor SB. Clinical and economic evaluation of treatment strategies for T1N0 anal canal cancer. *Am J Clin Oncol*. 2016. [Epub ahead of print] [PMID: 27755059].
52. **Deshmukh AA**, Chhatwal J, Chiao EY, Nyitray AG, Das P, Cantor SB. Long-Term outcomes of adding HPV vaccine to the anal intraepithelial neoplasia treatment regimen in HIV-positive men who have sex with men. *Clin Infect Dis*. 2015; 61(10): 1527-35 [PMID: 26223993].
53. **Deshmukh AA**, Zhao H, Franzini L, Lairson D, Chiao EY, Swartz MD, Das P, Giordano S, Cantor SB. Total lifetime and cancer-related costs for elderly patients diagnosed with anal cancer in the United States. *Am J Clin Oncol*. 2015; [Epub ahead of print] [PMID: 26523440].
54. Cantor SB, **Deshmukh AA**, Luca NS, Noguera Gonzalez GM, Prokhorov AV. Cost-effectiveness analysis of smoking cessation training of physicians and pharmacists. 2015. *Addictive Behaviors*. DOI:10.1016/j.addbeh.2015.01.004. [PMID: 25644592].
55. Chen A, Jacobsen KH, **Deshmukh AA**, Cantor SB. The evolution of the disability-adjusted life year (DALY). 2015. *Socio-Economic Planning Sciences* DOI: 10.1016/j.seps.2015.12.002
56. **Deshmukh AA**, Chiao EY, Das P, Cantor SB. Cost-effectiveness analysis of vaccinating HIV-negative men who have sex with men in the prevention of recurrent high-grade anal intraepithelial neoplasia. 2014. *Vaccine*, 32: 6941–6947. [PMID: 25444820].
57. Chen A, **Deshmukh AA**, Richards-Kortum R, Molyneaux E, Kawaza K, Cantor SB. Cost-effectiveness of a neonatal bubble CPAP device in Malawi. 2014. *BMC Pediatrics*. DOI:10.1186/s12887-014-0288-1. [PMID: 25421903]

58. **Deshmukh AA**, Cantor SB, Crosby MA, Shen Y, Wenli D, Bedrosian I, Peterson SK, Parker PA, Brewster AM. Cost of contralateral prophylactic mastectomy. 2014. *Ann Surg Oncol*. DOI 10.1245/s10434-014-3759-6. [PMID: 24809301].
59. Lairson D, DiCarlo M, **Deshmukh AA**, Bittner-Fagan H, Sifri R, Katurakes N, Cocroft J, Andrel J, Swan H, Vernon SW, Myers RE. Cost-effectiveness of standard vs. a navigated intervention on colorectal cancer screening use in primary care. 2014. *Cancer*. DOI: 10.1002/cncr.28535. [PMID: 24435411].
60. Cantor SB, **Deshmukh AA**, Krahn MD, Volk RJ. Use of forecasted assessment of the quality of life to validate time-tradeoff utilities and a prostate cancer screening decision-analytic model. 2013. *Health Expect*. DOI: 10.1111/hex.12150 [PMID: 26039695].)
61. Kash B, **Deshmukh AA**. Developing a strategic marketing plan for physical and occupational therapy services: A collaborative project between a critical access hospital and a graduate program in healthcare management. *Health Marketing Quarterly*, 30:263–280, 2013. [PMID: 23924224]
62. Begley C, **Deshmukh AA**, Eschbach K, Fouladi N, Liu QJ, Reynolds T. Health insurance coverage in the Houston-Galveston area under the Patient Protection and Affordable Care Act. *Tex Med*. 2012; 108(11):e1. [PMID: 23117876]

## **EDITORIALS**

1. Sonawane K, Troisi C, **Deshmukh AA**. COVID-19 vaccination in the UK: Addressing vaccine hesitancy. *Lancet Regional Health Europe*. <https://doi.org/10.1016/j.lanepe.2020.100016>. In Press.

## **NEWSLETTERS**

1. **Deshmukh AA**, Likhacheva A. Why treating breast cancer with less may be more. *The Conversation*. June, 2017.
2. **Deshmukh AA**, Chiao EY, Chhatwal J, Cantor SB. How the anal cancer epidemic in gay and bi HIV-positive men can be prevented. *The Conversation*. September, 2017.

## **PODCAST**

1. **Deshmukh AA**, Likhacheva A. *Journal of the National Cancer Institutes*. June 2017. Cost-Effectiveness Analysis Comparing Conventional, Hypofractionated, and Intraoperative Radiotherapy for Early-Stage Breast Cancer.



individual's self-anal exam and partner anal exam will then be compared with a clinician's exam to determine the sensitivity and specificity of the lay exam for detecting abnormalities. The UTHealth team will evaluate cost-effectiveness of alternative anal cancer screening strategies under evaluation in the trial.

NIMHD R01MD013715 \$405,853 Jan 2020 – Dec 2024  
**A randomized controlled trial of mail-self stamped HPV testing to increase cervical cancer screening participation among minority/underserved women in an integrated safety-net healthcare system**

Role: UTHealth site-PI

PI: Jane R. Montealegre (Baylor College of Medicine)

Project summary: We propose to conduct a randomized controlled trial to compare the effectiveness of three outreach interventions to increase primary screening participation and clinical follow-up among underscreened women ages 30-65 years in a safety net health system. The three study arms are: 1) telephone recall; 2) telephone recall with mailed self-sample HPV testing kits and 3) telephone recall with mailed self- sample HPV testing kits and patient navigation. The UTHealth team will evaluate the effectiveness and cost-effectiveness of mailed self-sample cervical HPV testing alone or in combination with patient navigation.

NCI R01CA232890 \$172,217 Dec 2018 – Nov 2023  
**The Effectiveness of High-Resolution Microendoscopy (HRME) for High-grade Intraepithelial Lesions (HSIL) Among People Living with HIV.**

Role: UTHealth site-PI

PI: Elizabeth Y. Chiao (MD Anderson Cancer Center)

Budget (Direct costs to UTHealth): \$94,561

Project summary: The goal of this proposed study is to evaluate the clinical efficacy of an innovative approach of high-resolution microendoscopy for the detection of anal precancerous lesions and anal cancer.

NCI R01CA255480 \$327,951 July 2021 – June 2026  
**Acceptance and Commitment Therapy for Fear of Recurrence in Breast Cancer Survivors: A 3-ARM Randomized Clinical Trial.**

Role: Co-I

UTHealth site-PI: David R. Lairson

PI: Shelley Johns (Indiana University)

Project summary: This randomized controlled trial will test the efficacy of a group-based Acceptance and Commitment Therapy intervention for breast cancer survivors suffering from FCR while examining its cost-effectiveness and the mechanisms by which the intervention may work.

CPRIT \$280,619 Mar 2022 – Feb 2026  
**Optimizing population selection for primary (Helicobacter pylori screening) and secondary (endoscopic screening and surveillance) prevention of gastric cancer**

Role: UTHealth site-PI

PI: Aaron P. Thrift (Baylor College of Medicine)

Project summary: Our study will capture important regional information and granular information on patient characteristics that are missing from prior research and findings will help identify at-risk groups who may benefit from cost-effective H. pylori screening and surveillance strategies. Importantly, by building a comprehensive mathematical model of the entire disease natural history and clinical course of illness attributable to H. pylori infection, gastric intestinal metaplasia and gastric cancer, we will provide a framework for examining benefits and harms of different gastric cancer prevention measures.

NCI T32CA057712

\$1,980,291

Sep 2018 – Aug 2023

**Cancer Prevention and Control Research Training and Career Development Program**

Role: Mentor

mPIs: Fernandez, Mullen, Vernon

Project summary: Cancer Control Research Training and Career Development Program for doctoral students and postdocs to the T32 mechanism. This T32 is a continuation of our highly successful, longstanding R25T.

**Past grants**

Texas DSHS

\$140,000`

Jan 2020 – Dec 2020

**Cost Analysis of Outbreak Involving Certain Vaccine Preventative Diseases**

Role: Co-I

PI: Kalyani Sonawane

Project summary: Study the direct and indirect economic costs from vaccine-preventable disease (VPD) outbreaks.

NCI R01 Supplement

\$58,999

Sep 2018 – Aug 2020

AIDS Malignancy Consortium: Determining optimal anal cancer prevention for HIV-infected women.

Role: UTHealth site-PI

PI: Ronald T. Mitsuyasu

Project summary: The objective of this supplement is to determine the risk of anal precancer recurrence among HIV-infected women and evaluate the optimal precancer treatment evaluating harms and benefits.

NCI R01 CA163103 (Chiao)

\$20,000

Sep 2016 – Aug 2017

The effectiveness of screening HIV-infected women for anal cancer precursors.

Role: Site-PI

PI: Elizabeth Y. Chiao

Project summary: This longitudinal study will characterize the progression of HPV infection and high-grade anal intraepithelial neoplasia in HIV-infected women and determine anal cancer screening accuracy.

HRSA (Schentrup)

\$20,000

July 2016 – June 2017

Interprofessional Collaborative Practice at Archer Family Health Care.

Role: Co-Investigator

### SELECTED PRESENTATIONS AND ABSTRACTS

1. Kwak K, Schaefer C, **Deshmukh AA**, Dhoble A, Holmes HM, Aguilar D, Johnson M, Aparasu R, Kim D. Median beta-blocker doses by age groups among older adults with heart failure with reduced ejection fraction (HFrEF). American Geriatric Society 2022 Annual meeting.
2. Parker SL, Daheri M, Benavides E, Kasbaum M, Escobar B, Chiao EY, Anderson ML, **Deshmukh AA**, Suk R, Hilsenbeck S, Jibaja-Weiss M, Bulsara S, Zare M, Scheurer ME, Montealegre JR. Acceptability of mailed HPV self-testing kits among patients of a large urban safety-net healthcare system. Oral presentation: ASPO Annual Meeting 2022. March 11-13, 2022; Tucson, AZ.
3. Parker SL, Daheri M, Benavides E, Kasbaum M, Escobar B, Chiao EY, Anderson ML, **Deshmukh AA**, Hilsenbeck S, Jibaja-Weiss M, Bulsara S, Zare M, Scheurer ME, Montealegre JR. Influence of COVID-19 pandemic on participation in HPV self-testing trial. Oral presentation: EUROGIN Congress. April 10-13, 2022; Düsseldorf, Germany
4. Keller KG, Ramos-Cartagena JM, Guiot HM, Munoz C, Rodriguez Y, Colon-Lopez V, **Deshmukh AA**, Tirado-Gomez M, Patricia Ortiz A. Assessment of the performance of anal cytology as a screening tool for anal high-grade squamous intraepithelial lesions by extent of disease in a clinic-based sample in Puerto Rico. AACR Virtual Conference: 14th AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved; October 6-8, 2021
5. Gierbolini-Bermúdez A, Ortiz-Ortiz K, Ramos-Cartagena JM, Sonawane K, Colón-Lopez V, **Deshmukh AA**, Ortiz AP. Impact of COVID-19 public policies on utilization on cervical cancer screening in Puerto Rico during March 15, 2020 to July 31, 2020. AACR Virtual Conference: 14th AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved; October 6-8, 2021
6. Soto-Salgado M, Suárez E, Deshmukh AA, Viera T, Ramos-Cartagena J, Pericchi LR, Patricia Ortiz A. Risk prediction model for high-grade squamous intraepithelial lesions in persons living with HIV in Puerto Rico. ACR Virtual Conference: 14th AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved; October 6-8, 2021
7. Huepenbecker S, **Deshmukh AA**, Sun C, Rajan S, Harrison R, Giordano S, Meyer L. Cost-effectiveness analysis of management strategies after first-line treatment of women with epithelial ovarian cancer. 2022 The Annual Meeting of the Society for Gynecological Oncology. March 18-22. Phoenix, Arizona.

8. Damgacioglu H, Sonawane K, Chhatwal J, Lairson DR, Clifford GM, Giuliano AR, **Deshmukh AA**. Long-term impact of HPV vaccination and covid-19 pandemic on oropharyngeal cancer incidence and burden in the USA, 2009-2100. IPVS 2021. The 34th International Papillomavirus Conference. November 15-19, 2021. Oral presentation.
9. **Deshmukh AA**, Damgacioglu H, Suk R, Georges D, Sonawane K, Ferlay J, Bray F, Clifford G. Global burden of squamous cell carcinoma of the anus and cases associated with HIV in 2020. IPVS 2021. The 34th International Papillomavirus Conference. November 15-19, 2021. Oral presentation.
10. Ortiz AP, Gierbolini-Bermúdez A, Ramos-Cartagena JM, Colón-López V, Sonawane K, **Deshmukh AA**, Ortiz-Ortiz KJ. Disruption in Cervical Cancer Screening Utilization in Puerto Rico: Impact of Natural Disasters and the COVID-19 Pandemic. IPVS 2021. The 34th International Papillomavirus Conference. November 15-19, 2021. Oral presentation.
11. Torres-Russe J, Cartagena J, Colón-López V, Ortiz-Ortiz K, **Deshmukh AA**. Ortiz A. Barriers and facilitators of anal cancer screening in people living with HIV in Puerto Rico. IPVS 2021. The 34th International Papillomavirus Conference. November 15-19, 2021. Poster presentation.
12. Keller K, Ramos-Cartagena JM, Guiot HM, Muñoz C, Rodríguez Y, Colón-López V, **Deshmukh AA**, Tirado-Gómez M, Ortiz AP. Association of current smoking with anal high-risk HPV infection and histologically confirmed anal high-grade squamous intraepithelial lesions in a clinic-based population in Puerto Rico. IPVS 2021. The 34th International Papillomavirus Conference. November 15-19, 2021. Poster presentation.
13. Nyitray AG, Chiao EY, **Deshmukh AA**, Schick V, Ridolfi T, Schneider J, Swartz M, Hwang L, Fernandez ME, Giuliano AR, Wilkerson M, Hazra A. Tails of two cities: anal canal lesion characteristics among sexual and gender minorities in Chicago and Milwaukee detected by digital anal rectal examination (DARE). IPVS 2021. The 34th International Papillomavirus Conference. November 15-19, 2021. Poster presentation.
14. Parker A, Daheri M, Benavides E, Kasbaum M, Escobar B, Chiao E, Anderson M, **Deshmukh AA**, Suk S, Hilsenbeck S, Jibaja-Weiss M, Bulsara S, Zare M, Scheurer M, Schmeler K, Montealegre J. Barriers to cervical cancer screening and acceptability of at-home HPV self-test kits: preliminary results. IPVS 2021. The 34th International Papillomavirus Conference. November 15-19, 2021. Poster presentation.
15. Wu C, Damgacioglu H, Lin Y, Sonawane K, Chiao EY, Sigel K, **Deshmukh AA**. Projections of Economic Burden of HIV Antiretroviral Therapy in the United States: A Simulation Modeling Study. The 43<sup>rd</sup> Annual Meeting of the Society for Medical Decision Making, October 2021. [Selected for Lee Lusted Award]
16. Gierbolini-Bermúdez A, Ortiz-Ortiz KJ, Ramos-Cartagena JM, Sonawane K, Colón-López V, **Deshmukh AA**, Ortiz AP. Impact of COVID19 public policies on utilization on cervical cancer screening in Puerto Rico during March 15, 2020 to July 31, 2020. The 14<sup>th</sup> AACR Conference on The Science of Cancer Health Disparities in

Racial/Ethnic Minorities and the Medically Underserved on October 6-8, 2021. Virtual presentation.

17. Soto-Salgado M, Suárez E, **Deshmukh AA**, Viera Rojas TD, Ramos-Cartagena JM, Pericchi L, Patricia Ortiz A. Risk prediction model for high-grade squamous Intraepithelial Squamous Lesions in Persons Living with HIV in Puerto Rico. The 14<sup>th</sup> AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved on October 6-8, 2021. Selected as Top Abstracts for a virtual preferred presentation.
18. Keller K, Ramos-Cartagena JM, Guiot HM, Muñoz C, Rodríguez Y, Colón-López V, **Deshmukh AA**, Tirado-Gómez M, Ortiz AP. Smoking as a potential risk factor for anal high-risk HPV infection and high-grade anal lesions. Cancer Prevention and Control Research Training Program of University of Puerto Rico Cancer Center.
19. Soto-Salgado M, Viera Rojas T, Suárez E, Pericchi LR, Ramos-Cartagena J, Deshmukh AA, Ortiz AP. Risk prediction model for anal high-grade squamous intraepithelial lesions (HSIL) in persons living with HIV in Puerto Rico. Cancer Prevention and Control Research Training Program of University of Puerto Rico Cancer Center.
20. Ortiz K, Damgacioglu H, Deshmukh AA\*, Chiao EY. Cervical Cancer Incidence Disparities in the United States (2001-2018). MD Anderson – University of U54 Puerto Rico Summer Program. August 2021.
21. Deshmukh AA, Damgacioglu H, Suk R, Georges D, Sonawane K, Ferlay J, Bray F, Clifford GM. Global burden of squamous cell carcinoma of the anus and HIV attributable cases in 2020. To be presented at the International Anal Neoplasia Rapid Research Meeting. June 2021
22. Sonawane K, Lin YY, Damgacioglu H, Zhu Y, Fernandez M, Montealegre J, Ganduglia C, Li R, Lairson DR, Lin Y, Giuliano AR, **Deshmukh AA**. HPV vaccine safety perceptions and adverse event reporting trends in the United States. EUROGIN 2021. Accepted for oral presentation in the congress program.
23. Clarke MA, **Deshmukh AA**, Suk R, Roberts J, Gilson R, Jay N, Stier EA, Wentzensen N. A systematic review and meta-analysis of cytology and biomarkers for anal cancer screening. EUROGIN 2021. Accepted for oral presentation in the congress program.
24. Suk R, Sonawane K, Bauer C, Lairson D, **Deshmukh AA**. Risk of anal cancer in inflammatory bowel disease patients in the US: a population-based study 2008-2018. Crohn's & Colitis Congress (Virtual). January, 2021
25. Damgacioglu H, Sonawane K, Giuliano AR, Chhatwal J, **Deshmukh AA**. Making Oropharyngeal Cancer a Rare Cancer Among US Men: The Assessment of Improving Human Papillomavirus Vaccination Coverage. The 42<sup>nd</sup> Annual Meeting of the Society for Medical Decision Making, October 2020. [Accepted for presentation; Selected for Lee Lusted Award; To be held in Chicago, IL, redesigned as a virtual conference]



26. Suk R, Swint MJ, Hong Y, Sonawane K, **Deshmukh AA**. Risks and Patterns of Suicidal Deaths after Cancer Diagnosis By County-Level Socioeconomic and Metropolitan Status in the US, 1992-2016. The 42<sup>nd</sup> Annual Meeting of the Society for Medical Decision Making, October 2020. [Accepted for presentation; Selected for Lee Lusted Award; To be held in Chicago, IL, redesigned as a virtual conference]
27. Damgacioglu H, Sonawane K, Giuliano AR, Chhatwal J, **Deshmukh AA**. A Microsimulation Modeling For The Assessment Of Human Papillomavirus Vaccination On The Rising Incidence Of Oropharyngeal Cancer Among Men. 2020 INFORMS annual meeting.
28. Ortiz AP, Ramos-Cartagena JM, Guiot HM, Muñoz C, Pérez CM, Rodríguez CM, Rodríguez Y, Colón-López V, **Deshmukh AA**, Tirado-Gómez M. Assessment of the validity of anal cytology and HPV typing in the detection of anal HSIL in a clinic-based population in Puerto Rico. The 2020 Annual International Papillomavirus Society (IPVS) meeting. Barcelona, Spain, May 2020. [Postponed to July 2020; Virtual meeting due to COVID-19 Pandemic]
29. Stier E, Lensing SY, Wiley DJ, Darragh TM, Palefsky JM, Jay N, Berry M, Wilkin TJ, Barroso L, Einstein M, Levin R, **Deshmukh AA**, Cranston R, Guiot H, French A, Citron D, Rezaei M, Goldstone S, Chiao EY. Screening strategies for anal histologic high-grade squamous intraepithelial lesion (hHSIL) detection in women living with HIV (WLHIV) – Aids Malignancy Consortium (AMC)-084. The 2020 Annual International Papillomavirus Society (IPVS) meeting. Barcelona, Spain, May 2020. [Postponed to July 2020; Virtual meeting due to COVID-19 Pandemic]
30. Nyitray A, Ajala C, Brzezinski B, **Deshmukh AA**, Hazra A, Schneider J, Hwang LY, Swartz MD, Syndoer C, White M, Wilkerson MJ, McAuliffe T, Chiao EY. Protocol for the Prevent Anal Cancer (PAC) Palpation Study. The 2020 Annual International Papillomavirus Society (IPVS) meeting. Barcelona, Spain, May 2020. [Postponed to July 2020; Virtual meeting due to COVID-19 Pandemic]
31. Dasari P, **Deshmukh AA**. Cost-effectiveness analysis of Tenecteplase vs Alteplase for treatment of acute ischemic stroke. ISPOR 2020 Annual Meeting. Orlando, FL. May 2020
32. Suk R, Suk H, Sigel K, Sonawane K, **Deshmukh AA**. Population-level HPV vaccination coverage among US adult IBD patients: still not enough. The 2020 Crohn's & Colitis Congress, Austin, TX, January 2020.
33. Suk R, Suk H, Sonawane K, **Deshmukh AA**. E-cigarette and cigarette use among US adult IBD patients: population-level survey. The 2020 Crohn's & Colitis Congress, Austin, TX, January 2020.
34. Silvera R, Gaisa M, Liu Y, **Deshmukh AA**, Sigel K. High Resolution Anoscopy (HRA) in the Real World: Predictors of Guideline-Based Follow Up at a Large Academic Medical Center. The 2020 Conference on Retroviruses and Opportunistic Infections (CROI). Chicago, IL. March 2020

35. Gaisa M, Liu Y, Winters J, **Deshmukh AA**, Sigel K. Anal Cancer Screening: Is it Time for Cytology and High-risk HPV Co-testing? The 2020 Conference on Retroviruses and Opportunistic Infections (CROI). Chicago, IL. March 2020
36. Einstein MH, Kathe N, Markan R, Prabhu V, Mesa-Frias M, Samant S, Walia A, **Deshmukh AA**, Myers E. Incremental Healthcare Resource Use & and Costs of Cervical, Vaginal, and Vulvar Cancer in the United States. The American Society for Colposcopy and Cervical Pathology Annual Meeting. Orlando, FL. April 2020
37. Myers E, Kathe N, Markan R, Prabhu V, Mesa-Frias M, Samant S, Walia A, **Deshmukh AA**, Einstein MH. Incremental Healthcare Resource Use & and Costs of Anal Cancer in the United States. The American Society for Colposcopy and Cervical Pathology Annual Meeting. Orlando, FL. April 2020
38. Nemutlu GS, Suk R, Chhatwal J, **Deshmukh, AA**, Scaling Up HPV Vaccination to Reduce HPV-associated Anal Cancer Incidence: Model-based Predictions, INFORMS Annual Meeting 2019. Seattle, WA. October 2019.
39. Gaisa M, Liu Y, **Deshmukh AA**, Stone K, Sigel K. Electrocautery Ablation of Anal High-grade Squamous Intraepithelial Lesions: Effectiveness and Key Factors Associated with Outcomes. International Anal Neoplasia Scientific Meeting. Oral presentation. November 2019. Amsterdam
40. Liu Y, Prasad MH, Ganz E, Poggio JL, **Deshmukh AA**, Zheng W, Sigel K, Gaisa MM. HIV-positive Women with Anal High-grade Squamous Intraepithelial Lesions: A study of 197 Cases with Long-term Anogenital Surveillance. International Anal Neoplasia Scientific Meeting. Oral presentation. November 2019. Amsterdam
41. Stier E, Wiley DJ, Lensing SY, Darragh T, Einstein MH, Jay N, Berry-Lawhorn JM, **Deshmukh AA**, Palefsky JM, Wilkin T, Barroso LF, Levine R, French AL, Guiot H, Cranston RD, Chiao E. Screening strategies for anal histologic high-grade squamous intraepithelial lesion (hHSIL) detection in women living with HIV (WLHIV) – AIDS Malignancy Consortium (AMC)-084. International Anal Neoplasia Scientific Meeting. Oral presentation. November 2019. Amsterdam
42. Chiao E, Wiley DJ, Lensing SY, Darragh T, Einstein MH, Jay N, Berry-Lawhorn JM, **Deshmukh AA**, Palefsky JM, Wilkin T, Barroso LF, Levine R, French AL, Guiot H, Cranston RD, Stier E. Screening Tests for Anal High-Grade Squamous Intraepithelial Lesion Detection in U.S. Women Living with HIV. 17<sup>th</sup> International Conference on Malignancies in HIV/AIDS (ICMH). October 2019, NIH Campus, Bethesda, MD
43. Hong YR, Cardel M, Suk R, Vaughn I, **Deshmukh AA**, Pavela G, Fisher C, Sonawane K. Teach-Back Experience and Hospitalization Risk among Patients with Ambulatory Care Sensitive Conditions: A Quasi-Experimental Study. Medical Care Section Student Paper Award. 2019 American Public Health Association (APHA) Annual Meeting and Expo. November 2019, Philadelphia, PA

44. Sun SX, Suk R, Kuerer HM, Cantor SB, **Deshmukh AA**. Cost-effectiveness analysis of active surveillance compared to partial mastectomy plus radiation for ductal carcinoma in situ: Is non-operative management a viable option? 2019 Society of Surgical Oncology Annual Cancer Symposium [accepted for an oral presentation]. March 2019, San Diego, CA.  
Also published: *Ann Surg Oncol* . 26, S14-S15
45. Suk R, **Deshmukh AA**, Sonawane K, Song J, Huo JH. Racial Variation in Myelosuppression Hospitalizations among Inflammatory Bowel Disease Patients. To be presented at 2019 Crohn's & Colitis Congress, February 2019, Las Vegas, NV.  
Also published: *Gastroenterology*. 156(3): S41
46. Suk R, Huo J, Sonawane K\*, **Deshmukh AA\***. Gender Differences in the Knowledge Regarding Human Papillomavirus (HPV) and Associated Cancers: HINTS-5. HINTS Data Users Conference. September 2018. Natcher Conference Center, Bethesda, MD
47. Suk R, Mahale P, Sonawane K, Sikora AG, Chhatwal J, Schmeler K, Sigel K, Cantor SB, Chiao EY, **Deshmukh AA**. Risk of second primary HPV-associated cancers after index HPV-associated cancers. The 2018 ASCO Annual Meeting. June 2018, Chicago, IL.
48. Suk R, Sonawane K, Chiao EY, Chhatwal J, Sikora AG, Sigel K, **Deshmukh AA**. Association between HPV-related cancers and inflammatory bowel diseases. The 2018 ASCO Annual Meeting. June 2018, Chicago, IL. (Abstract # e13576)
49. **Deshmukh AA**, Suk R, Sahgal A, Neupane B, Chang E, Brown P, Likhacheva A. Determining age-specific optimal management for patients diagnosed with 1 to 4 brain metastases. The 39<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, October 2017, Pittsburgh, PA
50. Suk R, Chen Q, Sikora A, **Deshmukh AA**. Predicting the impact of continued tobacco use among head and neck cancer patients in the US. The 39<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, October 2017, Pittsburgh, PA. (**Finalist for the Lee B. Lusted best student presentation award**)
51. Hong YR, Sonawane K, Holcomb D, **Deshmukh AA**. Disparities in the uptake of Colorectal Cancer Screening among Diabetic Patients by Insurance type. The 2017 American Public Health Association Annual Meeting, Atlanta GA, November 4-8, 2017.
52. Pattisapu P, Athanassaki I, **Deshmukh AA**, Mehta D, In H, Chelius D. Cost-utility Analysis of Pediatric Grave's Therapy. American Academy of Otolaryngology-Head and Neck Surgery (AAO HNSF) Annual Meeting. September 2017. Chicago, IL
53. Hong YR, Holcombe D, Sonawane K, **Deshmukh AA**. Determination of uptake and barriers to colorectal cancer screening among diabetic patients. Academy Health Annual Research Meeting. June 2017. New Orleans, LA
54. Hong YR, **Deshmukh AA**. Racial and Ethnic Disparities in the Uptake of Colorectal Cancer Screening. The ISPOR 22nd Annual International Meeting, May 2017, Boston, MA

55. Pattisapu P, Chelius DC, **Deshmukh AA**, Mehta DK. Tonsillectomy vs. Tonsillotomy: A Cost-Effectiveness Analysis. 2017 American Society of Pediatric Otolaryngology Annual Meeting, May 2017, Austin, TX
56. **Deshmukh AA**, Chiao EY\*, Cantor SB, Stier EA, Goldstone SE, Nyitray AG, Wilkin T, Wang X, Chhatwal J. Optimal management of anal precursor in HIV-positive MSM: a clinical and cost-effectiveness analysis. The 31st International Papillomavirus Conference, February 2017, Cape Town, South Africa
57. **Deshmukh AA**, Stier EA, Lensing S, Wiley D, Cantor SB, Palefsky JM, Chiao\* EY. Age-specific prevalence of anal and cervical HPV, and anal cytology and histology in HIV-positive women. The 31st International Papillomavirus Conference, February 2017, Cape Town, South Africa
58. Wiley D, Chiao EY, Lee J, **Deshmukh AA**, Cantor SB, Palefsky J, Stier EA, Multiple-test anal HSIL screening strategies improve detection in HIV+ women. The 31st International Papillomavirus Conference, February 2017, Cape Town, South Africa
59. Wiley D, Chiao EY, Lee J, **Deshmukh AA**, Cantor SB, Palefsky J, Stier EA, Multiple-test screening strategies improve biopsy-proven HSIL-detection in HIV+ women. The 2017 Conference on Retroviruses and Opportunistic Infections (CROI), February 2017, Seattle, Washington
60. **Deshmukh AA**, Stier EA, Lensing S, Wiley D, Cantor SB, Palefsky JM, Chiao EY. Age-specific prevalence of anal and cervical HPV, and anal cytology and histology in HIV-positive women. International Anal Neoplasia Society scientific meeting, November 2016, San Francisco, CA
61. Wiley D, Chiao EY, Lee J, **Deshmukh AA**, Cantor SB, Palefsky J, Stier EA, Multiple-test anal HSIL screening strategies improve detection in HIV+ women. International Anal Neoplasia Society scientific meeting, November 2016, San Francisco, CA
62. Sonawane K, Silver N, **Deshmukh AA**. Healthy eating and likelihood of cancer-specific mortality in the US. UF Health Cancer Center Research day, November 2016, Gainesville, FL
63. **Deshmukh AA**, Cantor SB, Fenwick E, Chiao EY, Nyitray AG, Stier EA, Goldstone SE, Wilkin T, Chhatwal J. Value of future research on anal precursor management in HIV-positive men who have sex with men. UF Health Cancer Center Research day, November 2016, Gainesville, FL
64. **Deshmukh AA**, Cantor SB, Fenwick E, Chiao EY, Nyitray AG, Das P, Chhatwal J. Value of the addition of HPV vaccination to anal precancerous lesion treatment in older MSM—do we need further evidence? The 37<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, October 2015, St. Louis, MO (Winner, Lee B. Lusted best student presentation award)
65. **Deshmukh AA**, Chhatwal J, Chiao EY, Nyitray AG, Das P, Cantor SB. Adjuvant HPV vaccination in older HIV-positive men who have sex with men for the prevention of anal

cancer—long-term clinical and economic benefits. The 37<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, October 2015, St. Louis, MO (Nominated as the Finalist for Lee B. Lusted best student presentation award)

66. **Deshmukh AA**, Cantor SB, Fenwick E, Chiao EY, Nyitray AG, Das P, Chhatwal J. HPV Vaccination of Men Who Have Sex with Men who are 27 Years or Older after Treatment for High-Grade Anal Lesion: Future Research Prioritization. ISPOR 20th Annual International Meeting, May 2015, Philadelphia, PA
67. **Deshmukh AA**, Chhatwal J, Chiao EY, Nyitray AG, Das P, Cantor SB. Long-Term Value of Adding HPV Vaccine to the High-Grade Anal Intraepithelial Neoplasia Treatment Regimen in HIV-positive Men who have Sex with Men. ISPOR 20th Annual International Meeting, May 2015, Philadelphia, PA
68. **Deshmukh AA**, Chiao EY, Das P, Cantor SB. Clinical effectiveness and cost-effectiveness of quadrivalent human papillomavirus vaccination in HIV-negative men who have sex with men to prevent recurrent high-grade anal intraepithelial neoplasia. 2014. The 36<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, October 2014, Miami, FL (Nominated as Finalist for the Lee B. Lusted moderated poster session)
69. Chung TH, **Deshmukh AA**, Lairson D, Champion V. A budget impact model for a program to increase colorectal cancer screening. 2014. The 36<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, Miami, FL
70. Cantor SB, **Deshmukh AA**, Krahn MD, Volk RJ. 2013. Importance, anticipated burden, and function: validity of utilities for impotence and urinary incontinence. 2013. ISPOR 18<sup>th</sup> Annual International Meeting, New Orleans, LA
71. **Deshmukh AA**, Chen A, Sonawane KB, Cantor SB. The Use of DALYs and QALYs in Outcomes Analysis. 2013. ISPOR 18<sup>th</sup> Annual International Meeting, New Orleans, LA
72. Begley C, **Deshmukh AA**, Eschbach K, Fouladi N, Liu J, Reynolds T. 2012. Impact of the Patient Protection and Affordable Care Act on Coverage. The 12<sup>th</sup> Annual Kelsey Research Foundation Health Services and Outcome Research Conference, Houston, TX

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

- 2022 Prevention of anal cancer post-ANCHOR: Should screening for and treating anal HSIL be included in standard of care guidelines? What additional information is needed? EUROGIN Congress. April 10-13, 2022; Düsseldorf, Germany
- 2022 The HPV Interest group. The University of Puerto Rico Comprehensive Cancer Center, San Juan, Puerto Rico. (Topic: Contemporary and Future Trajectories in HPV-associated cancers and opportunities for prevention and control)

- 2022 The Ohio State University Wexner Medical Center and The James Comprehensive Cancer Center, Columbus, Ohio (Topic: Contemporary and Future Trajectories in HPV-associated cancers and opportunities for prevention and control)
- 2021 The 34<sup>th</sup> International Papillomavirus Conference. Clinical Research Workshop: Update on epidemiology of HPV-related cancer and pre-cancer. Updates in the epidemiology of anal cancer and pre-cancer
- 2021 The 34<sup>th</sup> International Papillomavirus Conference. Special Interest Satellite Symposium: Anogenital and oral HPV infection in men: novel insights from vaccine and modeling studies. Oral HPV infection in men: Projecting the impact of HPV vaccination on the incidence of oropharyngeal cancer in the 21st century in the U.S.
- 2021 Department of Health Services Research, MD Anderson Cancer Center, Houston, TX. (Topic: Improving HPV-associated Cancer Prevention: Applications of Data Analytics and Disease Simulation Modeling)
- 2021 Harvard School of Medicine, Massachusetts General Hospital, Institute for Technology Assessment, Boston, MA. (Topic: Changing trajectories of HPV-associated cancers and opportunities for control)
- 2021 Population Science Guest Scholar Lecture. UTSouthwestern Simmons Cancer Center. Dallas, TX (Topic: Contemporary and future trajectories in HPV-associated cancers and opportunities for control)
- 2021 Cancer Prevention & Control Program, Georgetown Lombardi Comprehensive Cancer Center, Washington DC (Topic: Changing trajectories of HPV-associated cancers and implications for prevention)
- 2020 Department of Management, Policy & Community Health, UTSPH (Topic: Applications of mathematical modeling and cancer epidemiology for HPV-associated cancer prevention)
- 2020 Malignancy Working Group, The North American AIDS Cohort Collaboration on Research and Design (NA-ACCORD) consortium. (Topic: Age- and stage-specific anal cancer incidence and geographic distribution of stage at diagnosis among HIV-infected persons)
- 2020 University of Houston College of Pharmacy. (Topic: Cancer Simulation Modeling: Cancer Simulation Modeling: Epidemiological and Economic Applications)
- 2020 International Anal Neoplasia Society Web Rounds. (Topic: Recent trends in squamous cell carcinoma of the anus incidence and mortality in the United States")
- 2019 Plenary Speaker, 17<sup>th</sup> International Conference on Malignancies in HIV/AIDS, National Cancer Institute. Lister Hill Center Auditorium, National Library of Medicine, NIH (Topic: Recent Trends in Anal Cancer Incidence: Implications for Prevention Using Disease Simulation Modeling)

- 2019 Department of Industrial Engineering, University of Houston, Houston, TX (Topic: Leveraging Large Databases and Clinical Decision Science to Improve HPV-associated Cancer Prevention)
- 2018 Panel discussion, Systems-Based Interventions to Address Secondary Cancer Prevention. Cancer Prevention, Hereditary Genetics, and Epidemiology. The 2018 ASCO Annual Meeting. June 2018, Chicago, IL
- 2018 Management, Policy and Community Health, UTHealth School of Public Health, Houston, TX (Topic: Decision Science and Big Data for HPV-associated Cancer Research)
- 2018 Harvard School of Medicine, Massachusetts General Hospital, Institute for Technology Assessment, Boston, MA (Topic: Leveraging Large Databases and Clinical Decision Science to Improve HPV-associated Cancer Prevention, Detection, and Treatment)
- 2018 Health Outcomes and Behaviors. Moffitt Cancer Center, Tampa, FL (Topic: Leveraging Large Databases and Clinical Decision Science to Improve Cancer Prevention, Detection, and Treatment)
- 2018 The University of Puerto Rico Comprehensive Cancer Center (UPRCCC), San Juan, PR (Topic: Using Decision Science and Large Databases to Inform HPV-associated Cancer Prevention and Management)
- 2017 Cancer Control Research Program Special Seminar. University of Miami Health System, Sylvester Comprehensive Cancer Center, Miami, FL (Topic: Using Decision Science and Large Data to Understand Cancer Epidemiology and Inform Policy)
- 2017 International Anal Neoplasia Society Web Rounds. (Topic: Using Clinical Decision Making to Inform Anal Cancer Prevention Policies’')
- 2017 Baylor College of Medicine—Joint Head and Neck Cancer/ Gynecology Disease-oriented Working Group Meeting—Houston, TX (Topic: Using Decision Science to Determine Optimal Prevention and Treatment for HPV-related Cancers)
- 2017 Center for Infection Research in Cancer. Moffitt Cancer Center, Tampa, FL (Topic: Using Mathematical Modeling to Determine Optimal Cancer Prevention and Treatment Strategies)
- 2017 Keep Calm and Discuss Research series. College of Public Health & Health Professions, University of Florida, Gainesville, FL (Topic: Explore research collaborations around econometrics.)
- 2016 International Anal Neoplasia Society scientific meeting, November 2016, San Francisco, CA (Topic: Age-specific prevalence of anal and cervical HPV, and anal cytology and histology in HIV-positive women.)
- 2016 International Anal Neoplasia Society scientific meeting, November 2016, San Francisco, CA (Topic: Management of anal precursor in HIV infected men who have sex with men: A cost-effectiveness analysis.)

- 2016 UF Health Cancer Center Oncology Grand Rounds, Gainesville, FL (Topic: Modeling Cancer Outcomes: Applications from Anal Cancer Prevention and Breast Cancer Control)
- 2016 Panel discussion, UT MD Anderson Cancer Center, Houston, TX (Topic: Networking and Sponsorship.)
- 2016 Trainee Brown Bag, UT MD Anderson Cancer Center, Houston, TX (Topic: Comparative Effectiveness of Anal Precancer Management Strategies Using Decision Analysis Methods)
- 2016 HPV OAG working group, UT MD Anderson Cancer Center, Houston, TX (Topic: Comparative Effectiveness of Anal Precancer Management Strategies Using Decision Analysis Methods)
- 2016 University of Houston College of Pharmacy, Houston, TX (Topic: Methods for Economic Evaluation using Person-Level Data)
- 2016 University of South Carolina (Topic: Prevention of Anal Cancer in High-risk Populations in the US: Seeking Policy Attention)
- 2015 University of Houston College of Pharmacy (Topic: Methods for Decision Analysis)
- 2015 University of Florida College of Public Health and Health Professions (Topic: Prevention of Anal Cancer through HPV Vaccination in Men Who Have Sex with Men Older Than 27 Years: Do We Need More Evidence?)
- 2015 Western Michigan University Homer Stryker M.D. School of Medicine, Kalamazoo (Topic: Prevention of Anal Cancer through HPV Vaccination in Men Who Have Sex with Men Older Than 27 Years: Do We Need More Evidence?)
- 2015 The 37<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, St. Louis, MO (Topic: Value of addition of HPV vaccination to anal precancerous lesion treatment in older MSM—do we need further evidence?)
- 2015 Trainee Brown Bag seminar, UT MD Anderson Cancer Center. (Topic: Prevention of Anal Cancer through HPV Vaccination in MSM Older Than 27 Years: Do We Need More Evidence?)
- 2015 Seminar, University of Texas MD Anderson Cancer Center, Houston, TX (Topic: Long-term benefits of adjuvant HPV vaccination among 27-years or older MSM)

## **TEACHING**

### **UTHealth School of Public Health**

#### **PHD 3998 Decision Analysis in Public Health and Medicine**

- Spring 2019, Spring 2020, Spring 2021, Spring 2022
- Effort: 100%



- Credit: 3

**Guest lectures**

**PH 3915 Methods for Economic Evaluation.**

- Introduction to Clinical Decision Science. Fall 2018, Fall 2019, Fall 2020, Fall 2021, Fall 2022
- Advanced methods to address uncertainty when handling patient-level data in cost-effectiveness analysis. Fall 2012, Fall 2013
- Budget impact analysis. Fall 2012, Fall 2013, Fall 2014, Fall 2015
- Midterm exam review. Fall 2012, Fall 2013, Fall 2014, Fall 2015

**PH 3920 Health Services Delivery and Performance.**

- Applied cost-effectiveness analysis using TreeAge (decision-analytic software). Spring 2013
- Decision-making and cost-effectiveness analysis in health care. Spring 2013

**University of Florida**

**Health Economics (Spring 2017)**, Department of Health Services Research, Management and Policy, College of Public Health & Health Professions, University of Florida, Spring 2017, Spring 2018

**Healthcare cost and financing (Fall 2018)**, Department of Health Services Research, Management and Policy, College of Public Health & Health Professions, University of Florida, Fall 2017

**Advance Health Economics (Independent study)**, Department of Health Services Research, Management and Policy, College of Public Health & Health Professions, University of Florida, Spring 2017, Spring 2018

**Journal Club**, Department of Health Services Research, Management and Policy, College of Public Health and Health Professions, University of Florida, Fall 2016

**MENTORING/ADVISING**

**Faculty mentoring**

<b>Faculty</b>	<b>Position/Institution</b>	<b>Period</b>	<b>Role</b>
Haluk Damgacioglu, PhD	Assistant Professor Management, Policy & Community Health, UTHealth School of Public Health	2022 – present	Faculty mentor

Kalyani Sonawane, PhD	Assistant Professor Management, Policy & Community Health, UTHealth School of Public Health	2021 – present	K01 Mentoring Committee NIHMD K01 <a href="#">MD016440</a> <b>Awarded in the first attempt</b> (Harnessing Big Data to Identify Geographic Clusters of Low- income children with Poor HPV Vaccination Rates)
Gizem S. Nemutlu, PhD	Assistant Professor of Data Analytics Brandeis University International Business School	2020 – present	Mentor for research in HPV- associated cancer simulation modeling
Marievelisse Soto, DrPh, MS	Assistant Professor Centro Comprensivo de Cancer de la Universidad de Puerto Rico / UPR Comprehensive Cancer Center	2021 – present	Mentoring Committee: UPR/MDACC Partnership for Excellence in Cancer Research U54 (U54CA096297) Diversity Supplement
Min Ji Kwak, MD, DrPh	Assistant Professor, Geriatric And Palliative Medicine, Department of Internal Medicine, McGovern Medical School, UTHealth	2020 – present	K01 mentoring committee
Susie X. Sun, MD	Assistant Professor, Department of Breast Surgical Oncology, Division of Surgery, MD Anderson Cancer Center	2019 – present	Topic: Effectiveness and cost- effectiveness of treatment for ductal carcinoma in situ
Angela Mazul, PhD, MPH	Assistant Professor, Washington University School of Medicine in St. Louis	2020 – present	Topic: Epidemiology of HPV- associated cancers among men
Stephanie Yi, MD, MPH, FACS	Houston Methodist Department of Surgery - Transplant	2020 – present	Mathematical modeling: Evaluating the association between age and cost in simultaneous pancreas and kidney transplantation
Sarah P. Huepenbecker, MD	Fellow Physician, Gynecologic Oncology	2020 – present	Cost-effectiveness of management strategies after first-line treatment

& Reproductive  
Medicine, MD  
Anderson Cancer  
Center

of women with epithelial ovarian  
cancer

## **Postdoctoral Fellows**

### *Direct Mentoring (current)*

<b>Name</b>	<b>Institution</b>	<b>Period</b>	<b>Role and Project Area</b>
Zahed Shahmoradi, PhD	CADSci lab, Center for Health Services Research, UTHealth School of Public Health	October 2021 – Present	Mentor, cervical cancer natural history modeling, anal cancer simulation among women with lower genital tract neoplasia or cancer

### *Direct Mentoring (past)*

<b>Name</b>	<b>Role and Project Area</b>	<b>Period</b>	<b>Current Position</b>
Haluk Damgacioglu, PhD	Mentor, CADSci lab, Center for Health Services Research, UTHealth School of Public Health	Oct 2019 – March 2022	Assistant Professor Management, Policy & Community Health, UTHealth School of Public Health
Ryan Suk, PhD	Mentor, Data Analytics pertaining to HPV- associated cancer epidemiology and prevention	March 2021 – July 2021	Assistant Professor, Management, Policy and Community Health, UTHealth School of Public Health
Gizem S. Nemutlu, PhD	Co-mentor with Dr. Jagpreet Chhatwal, Ph.D. Anal cancer simulation modeling	July 2018 – Aug 2020	Assistant Professor of Data Analytics, Brandeis University International Business School
Chi-Fang Wu, PhD	Mentor, CADSci lab, Center for Health Services Research, UTHealth School of Public Health	May 2020 – present	Senior Statistical Analyst, MD Anderson Cancer Center

### *Mentoring Committee*

<b>Name</b>	<b>Institution</b>	<b>Period</b>	<b>Project/Area</b>
Hadley Smith, PhD	Baylor College of Medicine	May 2020 – present	K99/R00 Mentoring Team/Collaborator

### **Doctoral dissertation committee**

<b>Name</b>	<b>Institution</b>	<b>Period</b>	<b>Role</b>
Ryan Suk, MS	Management, Policy & Community Health, UTHealth School of Public Health	2016 – 2021	Dissertation Chair, Human papillomavirus-associated cancers in inflammatory bowel disease patients
Jackson, Nsikak M	Management, Policy & Community Health, UTHealth School of Public Health	2019 – present	Dissertation Supervisor, Cost-Effectiveness Analysis of the Treatment Options in the Management of Sickle Cell Disease in Children 10 to 18years old; Expected graduation
Anjana Mohan	Pharmaceutical Health Outcomes and Policy, University of Houston College of Pharmacy	2020 – present	Dissertation Committee Member, Estimating the effect of adherence to direct oral anticoagulants on health outcomes among patients with atrial fibrillation
Maria Pena	Management, Policy & Community Health, UTHealth School of Public Health	2020 – present	Dissertation Committee Member, Economic evaluation of tele-mental health among Medicare beneficiaries with major depression
Susan Parker	Epidemiology, UTHealth School of Public Health	2021 – present	Dissertation Committee Member, Cervical Cancer Screening and Primary Care Attendance in the COVID Era: Who is Falling Through the Cracks in a Safety-Net Healthcare System?
Daniel Fu	Management, Policy & Community Health, UTHealth School of Public Health	2021 – present	Topic: TBD

Maram Museitif      Management, Policy &      2021 –      Topic: TBD  
Community Health,      present  
UTHealth School of  
Public Health

---

### **Academic advisor**

#### **Doctoral**

- Ryan Suk, MS,  
University of Florida (Fall 2016 – Fall 2018)  
UTHealth School of Public Health (Fall 2018 – Fall 2020)

#### **Masters**

- Amreen Ali, UTHealth School of Public Health (Fall 2019 – Present)
- Jalon Chambers, UTHealth School of Public Health (Spring 2021 – Present)
- Ana Elizabeth Delgado (Spring 2021 – Present)
- Aaron Mathews (Spring 2021 – Present)
- Karen Restrepo, University of Florida, Graduated Spring 2017
- Abhishek Giri, University of Florida, Graduated Summer 2017
- Ryan McGuire, University of Florida, Graduated Spring 2018

### **Graduate assistant (GA) sponsorship/research project supervisor**

- Yueh-Yun (Lynda) Lin, UTHealth School of Public Health (Fall 2019 – Present)
- Shiang Shiuian (April) Shyu, UTHealth School of Public Health (Fall 2021 – Present)
- Madhura Shah (Spring 2022 – Present)
- Ryan Suk, MS, UTHealth School of Public Health (Fall 2018 – Dec 2020)
- Chi-Fang Wu, MS, UTHealth School of Public Health (Summer 2019 – Spring 2020)
- Lou Weaver, UTHealth School of Public Health (Spring 2019 – Summer 2021)
- Yen-an Zhu, MS, UTHealth School of Public Health (Summer 2019)
- An Kieu, UTHealth School of Public Health (Fall 2020 – Summer 2021)

### **Predoctoral Fellows**

- Kevin J. Ortiz-Ramos

### **Dissertation reader**

- Lu Zhang, UTHealth School of Public Health, Impact of the expanded bundled payment policy on the usage of dialysis initiation, erythropoiesis-stimulating agents, and Medicare expenditure, Expected graduation: Summer 2020
- Wafaa Abbasi; MD, Boston University School of Medicine, Title: Recurrence of anal high-grade squamous intraepithelial neoplasia post-treatment in HIV-positive women), Spring 2018

### **Other independent project advising/mentoring**

- Sehej Kaur Hara, MPH, BDS (Spring 2020) (Registry data analysis)
- Tong Han Chung, Ph.D., Role: Co-mentored (with Dr. David R. Lairson) development of a budget impact model for a web-based program to increase colorectal cancer screening, 2015-2016
- Young-Rock Hong, MPH (2016 – 2018)
  - o Excess Costs and Economic Burden of Obesity-Related Cancers in the United States. Published in Value in Health (see publications)
  - o Disparities in the uptake of Colorectal Cancer Screening among Diabetic Patients by Insurance type (see publications)

### **PROFESSIONAL SERVICES**

#### **National Study Sections and Review Panels**

- 2022            Reviewer, NCI Special Emphasis Panel review meeting on HIV/Cervical Cancer Prevention 'CASCADE' Clinical Trials Network in response to U24 Coordinating Center (RFA-CA-21-045), UG1 Research Bases (RFA-CA-21-046) and UG1 Clinical Sites (RFA-CA-21-047)
- 2022            Reviewer, NIH Health Services Organization, Delivery, Quality and Effectiveness (ZRG1 HDM-L (90))

#### **Ad-hoc manuscript reviewer for:**

*Notable recognition: Annals of Internal Medicine (Outstanding reviewer of 2020)*

*American Journal of Preventative Medicine (AJPM)*

*American Journal of Public Health (AJPH)*

*AIDS*

*BMC Cancer*

*BMC Infectious Diseases*

*BMC Pediatrics*

*Cancer*

*Clinical Therapeutics*

*Cancer Epidemiology, Biomarkers & Prevention (CEBP)*

*Clinical Infectious Diseases (CID)*

*Epidemiology and Infection*

*European Journal of Surgical Oncology*

*Evaluation and Program Planning*

*Health Services Research*

*International Journal of Cancer (IJC)*

*International Journal of Health Policy and Management*

*JAIDS*

*JAMA*  
*JAMA Network Open*  
*JAMA Oncology*  
*JCO Global Oncology*  
*JNCCN*  
*Journal of Clinical Oncology (JCO)*  
*Journal of Infectious Diseases (JID)*  
*Journal of Lower Genital Tract Disease*  
*Journal of the National Cancer Institute (JNCI)*  
*Lancet Regional Health – Europe*  
*Medical Decision Making (MDM)*  
*Nature Scientific Reports*  
*New England Journal of Medicine (NEJM)*  
*Papillomavirus Research*  
*Pharmacoeconomics*  
*PLOS Medicine (Academic Editor)*  
*Preventive Medicine*  
*Preventive Medicine Reports*  
*PLOS One*  
*Sexually Transmitted Infections*  
*Vaccine*  
*Value in Health*

**Abstract reviewer for:**

- Society for Medical Decision Making Annual Meetings (SMDM), 2016 – Present
- Annual Gator Healthcare Forum, Florida Blue Center on Health Care Quality, North Florida Chapter of the American College of Healthcare Executives, Department of Health Services Research Management and Policy, University of Florida, FL, 2018

**COMMITTEE AND ADMINISTRATIVE SERVICES**

**International/National**

2022	Member, 18th International Conference on Malignancies in HIV/AIDS (ICMH) Program Committee. The Office of HIV and AIDS Malignancy. National Cancer Institute.
2021	Co-chair, Research Workshop: Update on epidemiology of HPV-related cancer and pre-cancer. The 34 <sup>th</sup> International Papillomavirus Conference
2020	Judge, Lee B. Lusted Award, Society for Medical Decision Making annual meeting (held virtually)

## **Institutional**

### **UTHealth School of Public Health (2018 – present)**

- Faculty Search Committee Member, Health Policy, Management, Policy, & Community Health, UTHealth School of Public Health
- Faculty Search Committee Member, Health Economics and Health Services Research, Management, Policy, & Community Health, UTHealth School of Public Health
- Grant Reviewer for UTHealth Front of the Envelope (FOTE) grant application 2019, UTHealth School of Public Health
- Member, Scholarship Committee, Management, Policy, & Community Health, UTHealth School of Public Health
- Member, Admissions Committee, Management, Policy, & Community Health, UTHealth School of Public Health
- UTSPH Website design Committee
- Faculty co-mentor for the ISPOR student chapter at UTSPH, Management, Policy, & Community Health, UTHealth School of Public Health

### **University of Florida (2017 – 2018)**

- Faculty Search Committee Chair, Department of Health Services Research Management and Policy, University of Florida, FL, 2018
- Workshop moderator, Annual Gator Healthcare Forum, Florida Blue Center on Health Care Quality, North Florida Chapter of the American College of Healthcare Executives, Department of Health Services Research Management and Policy, University of Florida, FL, 2018
- Faculty Search Committee member, Department of Health Services Research Management and Policy, University of Florida, FL, 2016 – 2017
- Reviewer, 2017 Cancer Population Sciences Pilot Award, UF Health Cancer Center Population Science, University of Florida, Gainesville FL
- Workshop moderator, Annual Gator Healthcare Forum, Florida Blue Center on Health Care Quality, North Florida Chapter of the American College of Healthcare Executives, Department of Health Services Research Management and Policy, University of Florida, FL, 2017
- Co-chair, Speaker Workgroup, UF Health Cancer Center Population Sciences, University of Florida, Gainesville, FL, 2017 – 2018

### **MD Anderson Cancer Center (2015 – Present)**

- Reviewer, The 2019 NCI funded R25E Summer Research Program in Cancer Prevention, Division of Cancer Prevention and Population Sciences, The University of Texas MD Anderson Cancer Center, Houston, TX
- Chair, Review Committee, 2016 Outstanding Mentor in Cancer Prevention Award, Division of Cancer Prevention and Population Sciences, The University of Texas MD Anderson Cancer Center, Houston, TX



- Reviewer, 2015 Outstanding Mentor in Cancer Prevention Award, Division of Cancer Prevention and Population Sciences, The University of Texas MD Anderson Cancer Center, Houston, TX
- Reviewer, 2015 Student Elevator Speech Competition, Division of Cancer Prevention and Population Sciences, The University of Texas MD Anderson Cancer Center, Houston, TX

### **SOCIETY MEMBERSHIPS**

2013 – present	Member, Society for Medical Decision Making (SMDM)
2011 – present	Member, International Society of Pharmacoeconomics and Outcomes Research (ISPOR)
2016 – present	Member, International Anal Neoplasia Society (IANS)
2016 – present	Member, International Papillomavirus Society (IPV)
2019 – 2021	Member, Cancer Alliance of Texas (CAT)

### **MEDIA COVERAGE/INTERVIEWS**

- **US News and World Report:** Throat Cancers Tied to HPV Are Rising Among U.S. Men, Women
- **NY Times:** The HPV Vaccine Prevents Cancer, but Most Kids Don't Receive It
- **HPV and Anal Cancer Foundation Newsletter:** Anal cancer researcher Dr. Ashish Deshmukh speaks about his work and what drives him
- **NY Times:** "Even a Single Dose of HPV Vaccine May Provide Protection" ...by Nicholas Bakalar
- **CNN:** "Just 1 dose of the HPV vaccine may protect against infection, new study suggests" ... by Jacqueline Howard
- **NCI's Cancer Current Blog:** "Anal cancer incidence and deaths are rising in the United States"
- **CNN:** "Anal cancer rates and deaths are climbing in the US, study says" ... by Kristen Rogers
- **Today/NBC:** "What are the symptoms of anal cancer? Disease is on the rise in the U.S." ... by Agnes Pawlowski
- **NYPost:** "Study shows 'concerning' spike in anal cancer among Americans" ... by Yaron Steinbuch
- **NBC:** "Most adults unaware of the link between HPV and oral, penile and anal cancers" ... by Erika Edwards
- **The Philadelphia Inquirer (also published by the Chicago Tribune):** "Americans continue to be ignorant or indifferent about the cancer-preventing HPV vaccine" ... by Marie McCullough
- **US News and World Report:** "Most Americans in the Dark About Cancer-Causing HPV, Survey Finds" ... by Steven Reinberg
- **Houston Chronicle:** Many still in the dark about HPV vaccine

- **MEDPAGE:** “Incidence of Second Primary HPV-associated Cancers Found Significant: Persistent HPV infection at multiple sites may be responsible” ... by Wayne Kuznar
- **CBS News:** “Eating a high-quality diet could cut cancer survivors’ risk of death by 65 percent” ...by Meg Oliver
- **US News and World Report:** “Balanced Diet May Be Key to Cancer Survival” ...by Alan Lopez
- **NY Times:** “7 Million American Men Carry Cancer-Causing HPV Virus” ...by Nicholas Bakalar
- **CNN:** “One in nine American men has oral HPV, study finds” ...by Susan Scutti
- **CNN:** “1 in 9 men have oral HPV, but we can fix this” ...Mary T. Bassett
- **TIME:** “1 in 9 Men Have Oral HPV” ...by Alexandra Sifferlin
- **Forbes:** “Men Found Six Times More Likely Than Women To Have Highest Risk HPV Infection” ...by Tara Haelle
- **CBS News:** “1 in 9 American men are infected with oral HPV” ...by Steven Reinberg
- **NBC Nightly News:** “A Silent Epidemic of Cancer Is Spreading Among Men” ...by Maggie Fox
- **The Philadelphia Inquirer:** “HPV is causing an oral cancer epidemic in men by outwitting natural defenses” ...by Marie McCullough
- **Los Angeles Times/Chicago Tribune:** “How the anal cancer epidemic in gay and bi HIV-positive men can be prevented”
- **American Association of Cancer Institute’s News UPDATE (October 2017):** “Timely Treatment of Lesions That May Cause Anal Cancer Can Cut Risk by 80 Percent”
- **US News and World Report:** “Why Treating Breast Cancer With Less May Be More”
- **ASCO Post:** Study Finds Hypofractionated Whole-Breast Irradiation Leads Breast Cancer Radiation Therapies in Cost-Effectiveness, Quality of Life
- **American Association of Cancer Institute’s News UPDATE (June 2017):** Study Finds One Breast Cancer Radiation Therapy Leads Others in Cost-Effectiveness, Quality of Life
- **Inverse:** The HPV guide for men
- **Noman:** Piece of the continent #13: Dr. Ashish A. Deshmukh
- **MEDPAGE:** Is one HPV vaccine dose enough
- **HealthDay:** Could 1 Dose of HPV Vaccine Be Enough?
- **Today (NBC):** New cases of HPV-related cancer increasing very rapidly in the US.
- **NYPost:** Study shows ‘concerning’ spike in anal cancer among Americans
- **Medical Daily:** Anal Cancer Symptoms To Watch Out For Amid Surge In US Cases
- **NY Daily News:** Anal cancer rates rising and it can be prevented: study
- **Yahoo:** Anal cancer rises by up to 111% in the UK - these are the symptoms to look out for
- **Fox News:** Anal cancer cases and deaths are rising significantly in the US, study finds
- **MedicalExpress:** Anal cancer rates and mortality have risen dramatically among Americans: study
- **Healio:** More than 70% of US adults are not aware of HPV cancer risks
- **AJMC:** Most American Adults Are Unaware of HPV-Related Cancers, Indicating Need for Heightened Awareness

- **Medscape:** Physicians Still Weak on HPV Vaccine Delivery, Despite Benefits
- **Medical Daily:** Men Largely Unaware That HPV Causes Various Cancers, Study Finds
- **Popular Science:** Most people don't know the true dangers of HPV
- **CBS News:** Eating a high-quality diet could cut cancer survivors' risk of death by 65 percent
- **US News and World Report:** Balanced Diet May Be Key to Cancer Survival
- **Medical Express:** Prevalence of oral HPV infection higher for U.S. men
- **ABC News:** One in nine American men has oral HPV, study finds
- **WPTV:** One in nine American men has oral HPV, study finds
- **Los Angeles Times:** How the anal cancer epidemic in gay and bi HIV-positive men can be prevented
- **American Association of Cancer Institute's News UPDATE (October 2017):** Timely Treatment of Lesions That May Cause Anal Cancer Can Cut Risk by 80 Percent
- **US News and World Report:** Why Treating Breast Cancer With Less May Be More
- **ASCO Post:** Study Finds Hypofractionated Whole-Breast Irradiation Leads Breast Cancer Radiation Therapies in Cost-Effectiveness, Quality of Life
- **American Association of Cancer Institute's News UPDATE (June 2017):** Study Finds One Breast Cancer Radiation Therapy Leads Others in Cost-Effectiveness, Quality of Life
- **The Huffington Post:** Here's How The HPV Vaccine Can Help Cut The Risk Of Cancer In Gay Men