

# Xin Hu

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Citizenship Status: Permanent Resident

## EDUCATION

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**Ph.D.**, Emory University, Atlanta, GA 2019-Present  
*Health Services Research and Health Policy (Health Economics Track)*

**Master of Science in Public Health**, Emory University, Atlanta, GA 2013-2015  
*Health Services Research and Health Policy*  
Thesis: The impact of home environment on children's use of Patient-Centered Medical Home in low-income family

**Bachelor of Management**, Fudan University, Shanghai, China 2009-2013  
*Public Service Administration*  
Thesis: A feasibility study on the rental service of high-valued assistive devices for the elderly and disabled in Shanghai

## PROFESSIONAL EXPERIENCE

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**Research Fellow**, Atlanta GA USA 2022.05 - Present  
*American Cancer Society*

**Research Intern**, Atlanta GA USA 2020.05-2020.08  
*American Cancer Society*

**Biostatistician**, New Haven CT USA 2017.08-2019.07  
*Yale Center for Analytical Sciences, Yale University*

**Research Associate**, New Haven CT USA 2015.07-2017.08  
*Yale Cancer Outcomes, Public Policy and Effectiveness Research (COPPER) Center, Yale University*

**Graduate Research Assistant**, Atlanta GA USA 2014.10-2015.05  
*American Cancer Society*

**Graduate Research Assistant**, Atlanta GA USA 2014.06-2015.05  
*Emory Prevention Research Center*

**Undergraduate Assistant**, Shanghai China 2012.11-2013.01  
*Shanghai Department of Health*

**Undergraduate Assistant**, Guangdong China 2011.01-2011.02  
*Human Resource Department, The People's Hospital of Zhuhai*

**Undergraduate Assistant, Zhuhai, China** 2010.07- 2010.08  
*Health Quarantine Department, Zhuhai Entry Exit Inspection and Quarantine Bureau of the P.R.C*

## **LEADERSHIP AND ACTIVITIES**

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**Doctoral Student Representative, Atlanta GA, USA** 2022.11- Present  
*Doctoral Student Advisory Board, Rollins School of Public Health*

**Organizing Committee Member, New Haven, CT USA** 2018.01-2018.05  
*China Health Policy and Management Society (CHPAMS) 2<sup>nd</sup> Biennial Conference*

**Rollins Ambassador, Atlanta GA USA** 2015.01-2015.05

**Student Activities Chair, Atlanta GA, USA** 2014.01- 2015.01  
*Rollins Student Government Association*

**Chair of Human Resource Department, Shanghai China** 2012.09- 2013.01  
*Shanghai Fudan Guanghua Co. Ltd.*

**Public Relationship Chair, Shanghai, China** 2012.02- 2013.01  
*Student Government, School of Public Health, Fudan University*

## **GRANTS, AWARDS, AND FELLOWSHIPS**

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- Alice S. Hersh Student Scholarship, AcademyHealth 2022
- PhaRMA Foundation Predoctoral Fellowships 2022-2024  
“Vertical Integration in Oncology Market: Implications for Cancer Care Delivery and Patient Outcomes”  
(PI, \$50,000)
- Rollins School of Public Health’s Livingston Fellows, Emory University 2021
- Rollins Earn and Learn Award, Emory University 2014
- China National Scholarship 2012
- Fudan Undergraduate Research Opportunities Program 2012-2013  
“A qualitative investigation of Family Doctor System implementation in Community Health Center in Shanghai: lessons learned and suggestions” (PI, RMB 2000)

## **MANUSCRIPTS**

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1. **Hu X**, Ma J, Jemal A, Zhao J, Nogueira L, Ji X, Yabroff R, Han X. Suicide Risk Among Individuals Diagnosed with Cancer in the United States, 2000-2016. (Accepted, *JAMA Network Open*)
2. **Hu X**, Lipscomb J, Jiang C, Graetz I. Vertical integration of oncologists and cancer outcomes and costs in metastatic Castration-Resistant prostate cancer, *JNCI: Journal of the National Cancer Institute*, 2022;, djac233, <https://doi.org/10.1093/jnci/djac233> (with [Editorial](#))
3. Graetz, I, **Hu, X**, Curry, AN, Robles, A, Vidal, GA, Schwartzberg, LS. Mobile application to support

oncology patients during treatment on patient outcomes: Evidence from a randomized controlled trial. *Cancer Med.* 2022; 00: 1- 10. doi: 10.1002/cam4.5351

4. Han X, **Hu X**, Zhao J, Jemal A, Yabroff KR. Identification of Deaths Caused by Cancer and COVID-19 in the US During March to December 2020. *JAMA Oncol.* Published online September 29, 2022. doi:10.1001/jamaoncol.2022.4315
5. **Hu X**, Kaplan C, Martin MY, Walker MS, Stepanski E, Schwartzberg L, Vidal G, Graetz I. Race differences in patient-reported symptoms during chemotherapy among women with early-stage hormone receptor positive breast cancer. *Cancer Epidemiol Biomarkers Prev* 2022; <https://doi.org/10.1158/1055-9965.EPI-22-0692>
6. **Hu X**, Brock KE, Effinger KE, et al. Changes in Opioid Prescriptions and Potential Misuse and Substance Use Disorders Among Childhood Cancer Survivors Following the 2016 Opioid Prescribing Guideline. *JAMA Oncol.* Published online September 08, 2022. doi:10.1001/jamaoncol.2022.3744
7. **Hu X**, Walker MS, Stepanski E, Kaplan CM, Martin MY, Vidal GA, Schwartzberg LS, Graetz I. Racial Differences in Patient-Reported Symptoms and Adherence to Adjuvant Endocrine Therapy Among Women With Early-Stage, Hormone Receptor-Positive Breast Cancer. *JAMA Netw Open.* 2022 Aug 1;5(8):e2225485.
8. Ji X, **Hu X**, Brock KE, Mertens AC, Cummings JR, Effinger KE. Early Post-Therapy Opioid Prescription, Potential Misuse, and Substance Use Disorder among Pediatric Cancer Survivors. *J Natl Cancer Inst.* 2022 Mar 9:djac049.
9. Ji X, **Hu X**, Castellino SM, Mertens AC, Yabroff KR, Han X. Narrowing Insurance Disparities Among Children and Adolescents With Cancer Following the Affordable Care Act. *JNCI Cancer Spectr.* 2022 Jan 5;6(1):pkac006.
10. Dearborn-Tomazos JL, **Hu X**, Bravata DM, Phadke MA, Baye FM, Myers LJ, Concato J, Zillich AJ, Reeves MJ, Sico JJ. Deintensification or No Statin Treatment Is Associated With Higher Mortality in Patients With Ischemic Stroke or Transient Ischemic Attack. *Stroke.* 2021 Aug;52(8):2521-2529.
11. **Hu X**, Chehal PK, Kaplan C, Krukowski RA, Lan RH, Stepanski E, Schwartzberg L, Vidal G, Graetz I. Characterization of Clinical Symptoms by Race Among Women With Early-Stage, Hormone Receptor-Positive Breast Cancer Before Starting Chemotherapy. *JAMA Netw Open.* 2021 Jun 1;4(6):e2112076.
12. Yuan Q, Basit A, Liang W, Qu R, Luan Y, Ren C, Li A, Xu X, Liu X, Yang C, Kuo A, Pierce R, Zhang L, Turk B, **Hu X**, Li F, Cui W, Li R, Huang D, Mo L, Sessa WC, Lee PJ, Kluger Y, Su B, Tang W, He J, Wu D. Pazopanib ameliorates acute lung injuries via inhibition of MAP3K2 and MAP3K3. *Sci Transl Med.* 2021 Apr 28;13(591):eabc2499.
13. Han X, **Hu X**, Zhao J, Ma J, Jemal A, Yabroff KR. Trends of Cancer-Related Suicide in the United States: 1999-2018. *J Natl Cancer Inst.* 2021 Jan 19:djaa183.
14. Graetz I, Yarbrough CR, **Hu X**, Howard DH. Association of Mandatory-Access Prescription Drug Monitoring Programs With Opioid Prescriptions Among Medicare Patients Treated by a Medical or Hematologic Oncologist. *JAMA Oncol.* 2020 Jul 1;6(7):1102-1103.
15. Gul B, Shah T, Head SJ, Chieffo A, **Hu X**, Li F, Brackett A, Gesick C, Bisarya PK, Lansky A.

Revascularization Options for Females With Multivessel Coronary Artery Disease: A Meta-Analysis of Randomized Controlled Trials. *JACC Cardiovasc Interv.* 2020 Apr 27;13(8):1009-1010.

16. Diaz MM, **Hu X**, Fenton BT, Kimuli I, Lee A, Lindsey H, Bigelow JK, Maiser S, Altalib HH, Sico JJ. Prevalence of and characteristics associated with in-hospital mortality in a Ugandan neurology ward. *BMC Neurol.* 2020 Jan 31;20(1):42.
17. Phillips VL, **Hu X**. Association of healthy child-rearing practices and children's receipt of care in patient-centered medical homes. *J Child Health Care.* 2020 Jul 3:1367493520933458.
18. Davidoff AJ\*, **Hu X\***, Bewersdorf JP, Wang R, Podoltsev NA, Huntington SF, Gore SD, Ma X, Zeidan AM. Hypomethylating agent (HMA) therapy use and survival in older adults with Refractory Anemia with Excess Blasts (RAEB) in the United States (USA): a large propensity score-matched population-based study†. *Leuk Lymphoma.* 2020 May;61(5):1178-1187.  
\*Co-first author.
19. Zeidan AM, **Hu X**, Zhu W, Stahl M, Wang R, Huntington SF, Giri S, Bewersdorf JP, Podoltsev NA, Gore SD, Ma X, Davidoff AJ. Association of provider experience and clinical outcomes in patients with myelodysplastic syndromes receiving hypomethylating agents. *Leuk Lymphoma.* 2020 Feb;61(2):397-408.
20. Thomas A, Papoutsidakis N, Spatz E, Testani J, Soucier R, Chou J, Ahmad T, Darr U, **Hu X**, Li F, Chen ME, Bellumkonda L, Sumathipala A, Jacoby D. Access and Outcomes Among Hypertrophic Cardiomyopathy Patients in a Large Integrated Health System. *J Am Heart Assoc.* 2020 Feb 4;9(3):e014095.
21. Smith TG, Stollo S, **Hu X**, Earle CC, Leach CR, Nekhlyudov L. Understanding Long-Term Cancer Survivors' Preferences for Ongoing Medical Care. *J Gen Intern Med.* 2019 Oct;34(10):2091-2097.
22. Mougalian SS, Aminawung JA, Presley CJ, Canavan ME, Holland ML, **Hu X**, Gross CP. Prioritization of Patient-Reported Outcomes by Women With Metastatic Breast Cancer. *JCO Clin Cancer Inform.* 2019 Feb;3:1-3.
23. Hong JC, Rahimy E, Gross CP, Shafman T, **Hu X**, Yu JB, Ross R, Finkelstein SE, Dosoretz A, Park HS, Soulos PR, Evans SB. Radiation dose and cardiac risk in breast cancer treatment: An analysis of modern radiation therapy including community settings. *Pract Radiat Oncol.* 2018 May-Jun;8(3):e79-e86.
24. Davidoff AJ, Guy GP Jr, **Hu X**, Gonzales F, Han X, Zheng Z, Parsons H, Ekwueme DU, Jemal A. Changes in Health Insurance Coverage Associated With the Affordable Care Act Among Adults With and Without a Cancer History: Population-based National Estimates. *Med Care.* 2018 Mar;56(3):220-227.
25. Zeidan AM, Stahl M, **Hu X**, Wang R, Huntington SF, Podoltsev NA, Gore SD, Ma X, Davidoff AJ. Long-term survival of older patients with MDS treated with HMA therapy without subsequent stem cell transplantation. *Blood.* 2018 Feb 15;131(7):818-821.
26. Rahimy E, Hong JC, Gross CP, **Hu X**, Soulos PR, Shafman T, Connor HJ, Ross R, Yu JB, Dosoretz A, Evans SB. Increased Number of Beam Angles Is Associated With Higher Cardiac Dose in Adjuvant Fixed Gantry Intensity Modulated Radiation Therapy of Left-Sided Breast Cancer. *Int J Radiat Oncol Biol Phys.* 2017 Dec 1;99(5):1137-1145.
27. Zeidan AM, **Hu X**, Long JB, Wang R, Ma X, Podoltsev NA, Huntington SF, Gore SD, Davidoff AJ. Hypomethylating agent therapy use and survival in older patients with chronic myelomonocytic leukemia

in the United States: A large population-based study. *Cancer*. 2017 Oct 1;123(19):3754-3762.

28. Zeidan AM, Long JB, Wang R, **Hu X**, Yu JB, Huntington SF, Abel GA, Mougalian SS, Podoltsev NA, Gore SD, Gross CP, Ma X, Davidoff AJ. Risk of myeloid neoplasms after radiotherapy among older women with localized breast cancer: A population-based study. *PLoS One*. 2017 Sep 13;12(9):e0184747.
29. Stratton J, **Hu X**, Soulos PR, Davidoff AJ, Pusztai L, Gross CP, Mougalian SS. Bone Density Screening in Postmenopausal Women With Early-Stage Breast Cancer Treated With Aromatase Inhibitors. *J Oncol Pract*. 2017 May;13(5):e505-e515.
30. **Hu X**, Phillips VL, Gaydos LM, Joski P. Association of Healthy Home Environments and Use of Patient-Centered Medical Homes by Children of Low-Income Families. *J Pediatr Health Care*. 2017 Mar-Apr;31(2):203-214.
31. Zeidan AM, Davidoff AJ, Long JB, **Hu X**, Wang R, Ma X, Gross CP, Abel GA, Huntington SF, Podoltsev NA, Hajime U, Prebet T, Gore SD. Comparative clinical effectiveness of azacitidine versus decitabine in older patients with myelodysplastic syndromes. *Br J Haematol*. 2016 Dec;175(5):829-840.
32. Cohen JB, Han X, **Hu X**, Jemal A, Ward E, Flowers C. Deferred Treatment Is Associated with Improved Overall Survival in Patients with Newly Diagnosed Mantle Cell Lymphoma. *Blood* 2015; 126 (23): 2717.

## **PRESENTATIONS**

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### **Oral presentations**

**Hu X**, Lipscomb J, Graetz I. “Vertical Integration of Oncologists and Impact on Cancer Outcomes and Healthcare Costs: A SEER-Medicare Analysis of Metastatic Prostate Cancer Patients”. AcademyHealth 2022 Annual Research Meeting, June 2022, Washington DC, June 2022

**Hu X**, Lipscomb J, Graetz I. “The Impact of Vertical Integration of Oncologists on Cancer Outcomes and Healthcare Costs Among Metastatic Prostate Cancer Patients”. Georgia Clinical & Translational Science Alliance Health Services Research Day, Atlanta, Georgia, May 2022

**Hu X**, Han X, Zhang L. “Trends in the Five-year Cancer Survivals among US Born and Non-US born Residents in the U.S., 1975-2011”. China Health Policy and Management Society 2<sup>nd</sup> Biennial Conference, New Haven, Connecticut. May 2018

**Hu X**, Gaydos LM. “Home environment, low-income children and Primary Care Medical Homes”. Break the Cycle 10 Conference, Atlanta, Georgia. April 2015

### **Poster presentations**

**Hu X**, Lipscomb J, Graetz I. “The Impact of Vertical Integration of Oncologists on Cancer Outcome and Healthcare Costs Among Metastatic Prostate Cancer Patients”. 2022 Organization Theory in Health Care Conference, June 2022, Atlanta, Georgia, May 2022

**Hu X**, Kaplan C, Krukowski RA, Stepanski E, Schwartzberg L, Vidal G, Graetz I. “Characterization of Clinical Symptoms By Race Among Women with Early Stage, Hormone Receptor-Positive Breast Cancer before Starting Chemotherapy”. AcademyHealth 2021 Annual Research Meeting. June 2021

**Hu X**, Kaplan C, Stepanski E, Schwartzberg L, Vidal G, Walker MS, Martin MY, Graetz I. “Differences by race in patient reported symptoms during chemotherapy among women with early stage, hormone receptor-positive breast cancer”. 2021 American Society of Clinical Oncology Annual Meeting. June 2021

**Hu X**, Marchak JG, Ji X. “Mental Health Needs among Parents of Children with Cancer: A Commercial Claims Data Analysis”. 2021 American Society of Clinical Oncology Annual Meeting. June 2021

## **TEACHING**

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Teaching Assistant 2020 Fall  
*HPM 531: Contemporary Issues in Health Economics and Healthcare Management*  
(Instructor: Adam Wilk)

Teaching Associate 2021 Spring  
*HPM 552: Health Information Technology: Policy, Evidence, & Management Strategies*  
(Instructor: Ilana Graetz)

Guest Lecture for HPM 583: Research Seminar III – Analysis. “Application of Oaxaca-Blinder Decomposition in Racial Disparity of Chemotherapy Symptom Burden among Early-Stage Breast Cancer Women and Publication Strategies”. November 2021.

## **REFEREE**

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Medical Care  
Health Services Research  
JAMA Network Open  
PLOS ONE  
Peer J  
Journal of Primary Prevention  
Social Science and Medicine

## **REFERENCE**

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Ilana Graetz, PhD (Committee Chair)  
Associate Professor  
Department of Health Policy & Management  
Emory University  
[ilana.graetz@emory.edu](mailto:ilana.graetz@emory.edu)

David H. Howard, PhD (Committee Co-Chair)  
Professor  
Department of Health Policy & Management  
Emory University  
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Joseph Lipscomb, PhD (Committee Member)  
Professor  
Department of Health Policy & Management  
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[jlipsco@sph.emory.edu](mailto:jlipsco@sph.emory.edu)

Robin Yabroff, PhD (Committee Member)  
Scientific Vice President  
American Cancer Society  
[robin.yabroff@cancer.org](mailto:robin.yabroff@cancer.org)

Ian M. McCarthy, PhD (Committee Member)  
Associate Professor  
Department of Economics  
Emory University  
404-727-8808  
[ian.mccarthy@emory.edu](mailto:ian.mccarthy@emory.edu)