

Harlan Pittell, PhD
Expert in Real-World Evidence (Oncology)
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EDUCATION

PhD in Health Policy and Management

2020

Johns Hopkins University

Baltimore, MD

Dissertation: [Primary Non-Adherence to Medication: New Evidence from Electronic Health Records](#)

BS with Honors in Policy Analysis & Management

2014

Cornell University

Ithaca, NY

PROFESSIONAL EXPERIENCE

Flatiron Health

Aug 2020 - Present

Senior Research Scientist

New York, NY

- Examining the transportability of real-world evidence in oncology between the US and Europe
- Incorporated social determinants of health into product offerings to enhance data insights
- Supported the delivery of custom datasets and analytic services

Center for Population Health IT

Sep 2016 - May 2020

Programmer

Baltimore, MD

- Developed code for deriving comorbidity measures using EHR-derived data
- Compared EHR-derived comorbidity measures to claims-derived measures among a cohort of patients with linked EHR and claims data using the OptumLabs Data Warehouse

Harvard University, Dept of Health Policy & Management

June 2014 - June 2016

Data Analyst

Boston, MA

- Estimated the savings associated with use of a healthcare price transparency tool by comparing out-of-pocket spending between users and non-users of the tools (commercial claims analysis)
- Supported the implementation of a landmark, randomized trial to evaluate whether employer wellness programs can reduce healthcare spending and improve health
- Analyzed the Medicare claims data to examine whether physician practice patterns were influenced by changes to Medicare payment policy

RESEARCH EXPERIENCE

Johns Hopkins University

Sep 2016 - May 2020

Dissertation Research

- Used a linked-database of EHRs and health insurance claims to highlight the overlap in EHRs and claims based measures of healthcare utilization
- Developed a novel analytic approach for measuring primary adherence to new medications using a linked database of EHRs and pharmacy claims
- Generated new evidence on the relationship between high deductible health plans and primary adherence to new medications

Graduate Research Assistant, Dept of Health Policy & Management

- Implemented health economics research analyzing the relationship between health insurance plan design (i.e., cost-sharing features) and out-of-pocket spending and financial burden
- Implemented health policy research analyzing how academic medical center policies restricting direct-to-physician marketing impact opioid prescribing

PRESENTATIONS AND PUBLICATIONS

Conference Talks:

1. **ICPE 2023** Structural Racism and Inequities in Real-World Treatment and Survival Among Patients with Four Solid-Tumor Cancers
2. **ISPOR 2023** Measures of Neighborhood Structural Racism and Overall Survival Among Patients with Metastatic Breast Cancer
3. **SABCS 2022** Neighborhood Racial/Ethnic Segregation & Inequities in Metastatic Breast Cancer Treatment Initiation and Overall Survival, 2011-2022.
4. **ICPE 2022** Racial Disparities in Clinical Trial Participation: Evidence from Real World Oncology Data. ICPE 2022. August 2022
5. **ISPOR Europe 2021** Exploring the Potential for EHR-Derived Real-World Data to Reduce Uncertainty in HTA Decision-Making: A Case Study of Long-Term Survival Outcomes.
6. **OptumLabs Research & Translation Forum 2019** Outpatient utilization based on claims and EHRs: two sides of the same coin or different currencies?

Poster Presentations

1. **ISPOR EU 2024** Transportability of Overall Survival Estimates from the US to England in Metastatic Breast Cancer Using Nationally Representative Data Sources
2. **ISPOR 2023** Racialized Economic Segregation and Inequities in Survival Among Patients with Multiple Myeloma
3. **ASHE 2019** Disparities in the Impact of High Deductible Health Plans on Financial Strain.
4. **Academy Health Arm 2019** Measuring the Overlap of Diagnostic Codes Extracted from Administrative Claims Versus Electronic Health Records Using a Large Multi-Provider Data Warehouse

Publications

1. Bando, H., Misumi, T., **Pittell, H.**, Ng, D., Tajima, E., Royce, T. J., ... & Ohtsu, A. (2024). Real-world clinical efficacy of epidermal growth factor receptor inhibitors (EGFRi) in patients with early-onset (eo), metastatic colorectal cancer (mCRC).
2. **Pittell, H.**, Calip, G.S., Pierre, A., Ryals, C. A., & Guadamuz, J. S. (2024). Racialized economic segregation and inequities in treatment initiation and survival among patients with metastatic breast cancer. *Breast Cancer Research and Treatment*, 1-13.
3. **Pittell, H.**, Calip, G.S., Pierre, A., Ryals, C.A., Altomare, I., Royce, T.J. and Guadamuz, J.S., 2023. Racial and Ethnic Inequities in US Oncology Clinical Trial Participation From 2017 to 2022. *JAMA Network Open*, 6(7), pp.e2322515-e2322515.
4. Guadamuz, J., Calip, G.S., Asfaw, A., Wang, X, **Pittell, H.**, Kaur, M, Pierre, A. E., and Ryals, C.A. "Abstract PD1-05: Racial/Ethnic Segregation and Inequities in Metastatic Breast Cancer Treatment Initiation and Overall Survival." *Cancer Research* 83, no. 5_Supplement (2023): PD1-05.
5. Guadamuz, J., Mamtani, R., Wang, X., Ryals, C.A., Altomare, I., Asfaw, A.A., Castillo, W.C., **Pittell, H.**, Calip, G.S. and Sarkar, S., 2023, January. Abstract A049: Racial/ethnic and socioeconomic inequities in clinical trial participation among US community oncology patients, 2011-2021. In *Cancer Epidemiology, Biomarkers & Prevention* (Vol. 32, No. 1_Supplement, pp. A049-A049). The American Association for Cancer Research.
6. Kumar, S., Wang, X., **Pittell, H.**, Calip, G. S., Weiss, S. E., Meyer, J. E., & Royce, T. J. (2022). Real

world use of radiation for newly diagnosed brain metastases in ALK-positive lung cancer receiving a first line ALK inhibitor. *International Journal of Radiation Oncology Biology Physics*.

7. Eisenberg MD, Stone EM, **Pittell, H.**, McGinty EE. 2020. The impact of academic medical center policies restricting direct-to-physician marketing on opioid prescribing. *Health Affairs*. 39.6 (2020): 1002-1010.
8. Eisenberg MD, **Pittell H.** 2020. Financial Burden and High-Deductible Health Plans. *Working paper*
9. **Pittell H**, Eisenberg MD. 2020. Shopping for medical care: evidence from internet search data. *Working paper*
10. Kharrazi H, **Pittell H**, Lasser E. 2020. Diagnostic synergy between claims and EHR: evidence from a large database of administrative claims and electronic health records. *Working paper*

TECHNICAL SKILLS

Programming Skills: R, SQL, Python, Git, LaTeX, Google Suite, Microsoft Office Suite