

## Steven Jay Katz, M.D., M.P.H.

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### Research:

I study how treatment decisions are made during clinical encounters between patients newly diagnosed with cancer and their clinicians. My research pinpoints the factors that drive patient treatment decisions. I also study the factors that influence clinician recommendations and how clinicians navigate the decision-making and communication process. My research has a strong population and health systems perspective. I also develop and evaluate interventions to improve decision-making and accelerate the pace and impact of research dissemination. Great science requires inspiration, creativity, gumption, perspicacity, and perseverance. High impact medical science requires a team effort. The Cancer Surveillance and Outcomes Research Team ([www.cansort.org](http://www.cansort.org)) centered at the University of Michigan generates pace-setting research in communication, decision-making, and quality of care for patients with cancer. The goal of this research is to improve the patient experience and maximize health outcomes of treatment and care support into survivorship. The key to the fountain of youth is life-long learning. I thank my colleagues, staff, and the patients and clinicians who participate in our research for the opportunity to stay young.

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### Biography:

Steven Katz is Professor of Medicine and Health Management and Policy at the University of Michigan. He has received a number of project and program grants from NIH to lead research that addresses cancer treatment communication, decision-making, and quality of care. He directs the Health Behavior and Outcomes Program for the UM Comprehensive Cancer Center. Dr. Katz received a National Cancer Institute Established Investigator in Cancer Control, Behavioral and Population Sciences Research Award (2006-2012). He also serves on the JAMA Oncology Editorial Board. Dr. Katz received the Conn research award in the UM Department of Medicine and the Dean's Award for Excellence in Research at the UM Medical School. He received his MPH in the Robert Wood Johnson Clinical Scholars Program at the University of Washington. He received his MD from the University of California, San Francisco and completed residency in internal medicine at the University of California, Los Angeles. Dr. Katz leads the Cancer Surveillance and Outcomes Research Team ([www.cansort.org](http://www.cansort.org)) centered at the University of Michigan. CanSORT is an interdisciplinary research program focused on population and intervention studies of the quality of care and outcomes of cancer detection and treatment in diverse populations.

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### Education:

1977-1979	B.A., Biology/Environmental Sciences, University of California, Santa Barbara, California
1981-1985	M.D., Medicine, University of California, San Francisco, California
1989-1991	M.P.H., Health Services, University of Washington, Seattle, Washington

### Postdoctoral Training:

1985-1988	Residency, Internal Medicine, University of California Medical Center, Internal Medicine, Los Angeles, California
1989-1991	Fellowship, Robert Wood Johnson Clinical Scholars Program, University of Washington, Seattle, Washington

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## Positions and Employment:

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1991-1998	Assistant Professor, Departments of Internal Medicine and Health Management and Policy, University of Michigan, Ann Arbor, Michigan
1998-2006	Associate Professor, Departments of Internal Medicine and Health Management and Policy, University of Michigan, Ann Arbor, Michigan
2006-Present	Professor, Departments of Internal Medicine and Health Management and Policy, University of Michigan, Ann Arbor, Michigan
2009-Present	Director, Health Behavior and Outcomes Program, University of Michigan Comprehensive Cancer Center, Ann Arbor, MI

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## Honors and Professional Memberships:

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1979	Graduate with Highest Honors, University of California, Santa Barbara, California
1989-1991	Robert Wood Johnson Clinical Scholar
1992	Outstanding Scientific Presentation, SGIM, 15th Annual National Meeting, Washington, D.C.
1994	Labelle Lectureship, McMaster University Health Sciences Center
1995-2000	Robert Wood Johnson Generalist Faculty Scholar
1997	Jerome W. Conn Award for Excellence in Research, University of Michigan Medical Center
1998-1999	Visiting Professor in Health Services Research, Spain Ministry of Education and Culture
2002-2007	NIH Study Section: Health Services Organization Delivery
2008-Present	NIH Study Sections, NCI Ad Hoc: SEP;NCI K; NCORP
2006-2012	National Cancer Institute Established Investigator in Cancer Prevention, Control, Behavioral and Population Sciences Research
2012	Clinical & Health Services Research Award; School of Medicine, University of Michigan

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## Selected Publications (from 150):

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1. Morrow M, Abrahamse P, Hofer TP, Ward KC, Hamilton AS, Kurian AW, **Katz SJ**, Jagsi R. Trends in Reoperation After Initial Lumpectomy for Breast Cancer: Addressing Overtreatment in Surgical Management. *JAMA Oncol*. Published online June 5, 2017 [Epub ahead of print]
2. Friese CR, Harrison JM, Janz NK, Jagsi R, Morrow M, Li Y, Hamilton AS, Ward KC, Kurian AK, **Katz SJ**, Hofer TP. Treatment-Associated Toxicities Reported by Patients with Early-Stage Invasive Breast Cancer. *Cancer*. June 2017; 123(11):1925-1934.
3. Kurian AW, Li Y, Hamilton AS, Ward KC, Hawley ST, Morrow M, McLeod MC, Jagsi R, **Katz SJ**. Gaps in Incorporating Germline Genetic Testing Into Treatment Decision-Making for Early-Stage Breast Cancer. *J Clin Oncol*. Published online April 12, 2017 [Epub ahead of print]
4. **Katz SJ**, Wallner LP, Abrahamse PH, Janz NK, Martinez KA, Shumway DA, Hamilton AS, Ward KC, Resnicow KA, Hawley ST. Treatment experiences of Latinas after diagnosis of breast cancer. *Cancer*. Published online April 11, 2017 [Epub ahead of print]
5. **Katz SJ**, Janz NK, Abrahamse P, Wallner LP, Hawley ST, An LC, Ward KC, Hamilton AS, Morrow M, Jagsi R. Patient Reactions to Surgeon Recommendations About Contralateral Prophylactic Mastectomy for Treatment of Breast Cancer. *JAMA Surg*. Published online April 5, 2017 [Epub ahead of print]
6. Kurian AW, Friese CR, Bondarenko I, Jagsi R, Li Y, Hamilton AS, Ward KC, **Katz SJ**. Second Opinions From Medical Oncologists for Early-Stage Breast Cancer: Prevalence, Correlates, and Consequences. *JAMA Oncol*. March 2017; 3(3):391-397.

7. Kurian AW, Griffith KA, Hamilton AS, Ward KC, Morrow M, **Katz SJ**, Jagsi R. Genetic Testing and Counseling Among Patients With Newly Diagnosed Breast Cancer. *JAMA*. February 2017; 317(5):531-534.
8. Friese CR, Li Y, Bondarenko I, Hofer TP, Ward KC, Hamilton AS, Deapen D, Kurian AW, **Katz SJ**. Chemotherapy Decisions and Patient Experience With the Recurrence Score Assay for Early-Stage Breast Cancer. *Cancer*. January 2017; 123(1):43-51.
9. Griggs JJ, Hamilton AS, Schwartz KL, Zhao W, Abrahamse PH, Thomas DG, Jorns JM, Jewell R, Saber ME, Haque R, **Katz SJ**. Discordance between original and central laboratories in ER and HER2 results in a diverse, population-based sample. *Breast Cancer Res Treat*. January 2017; 161(2):375-384.
10. Wallner LP, Martinez KA, Li Y, Jagsi R, Janz NK, **Katz SJ**, Hawley ST. Use of Online Communication by Patients With Newly Diagnosed Breast Cancer During the Treatment Decision Process. *JAMA Oncol*. December 2016; 2(12):1654-165.
11. Wallner LP, Abrahamse P, Uppal JK, Friese CR, Hamilton AS, Ward KC, **Katz SJ**, Hawley ST. Involvement of Primary Care Physicians in the Decision Making and Care of Patients With Breast Cancer. *J Clin Oncol*. November 2016; 34(33):3969-3975.
12. Hawley ST, Newman L, Griggs JJ, Kosir MA, **Katz SJ**. Evaluating a Decision Aid for Improving Decision Making in Patients with Early-stage Breast Cancer. *Patient*. April 2016; 9(2): 161-9.
13. Morrow W, **Katz SJ**. Addressing Overtreatment in DCIS: What Should Physicians Do Now? *J Natl Cancer Inst*. 2015; 107(12):djv290.
14. **Katz SJ**, Kurian AW, Morrow M. Treatment Decision Making and Genetic Testing for Breast Cancer: Mainstreaming Mutations. *JAMA*. 2015; 314(10):997-8.
15. **Katz, SJ**. Cancer Care Delivery Research and the National Cancer Institute SEER Program Challenges and Opportunities. *JAMA Oncol*. 2015; 1(5):677-8.
16. Jagsi R, Griffith KA, Kurian AW, Morrow M, Hamilton AS, Graff JJ, **Katz SJ**, Hawley ST. Concerns about cancer risk and experiences with genetic testing in a diverse population of patients with breast cancer. *J Clin Oncol*. 2015; 33(14): 1584-91.
17. Jagsi R, Li Y, Morrow M, Janz NK, Alderman AK, Graff JJ, Hamilton A, **Katz SJ**, Hawley ST. Patient-Reported Quality of Life and Satisfaction with Cosmetic Outcomes After Breast Conservation and Mastectomy with and without Reconstruction: Results of a Survey of Breast Cancer Survivors. *Ann Surg*. 2015; 261(6): 1198–1206.
18. Morrow M, Li Y, Alderman AK, Jagsi R, Hamilton A, Graff JJ, Hawley ST, **Katz SJ**. Access to Breast Reconstruction After Mastectomy and Patient Perspectives on Reconstruction Decision Making. *JAMA Surg*. 2014; 149(10): 1015-1021.
19. Jagsi R, Hawley ST, Abrahamse P, Li Y, Janz NK, Griggs JJ, Bradley C, Graff JJ, Hamilton AS, **Katz SJ**. Impact of Adjuvant Chemotherapy on Long-Term Employment of Survivors of Early-Stage Breast Cancer. *Cancer*. 2014; 120(12):1854-1862.
20. Hawley ST, Jagsi R, Morrow M, Janz NK, Hamilton AS, Graff JJ, **Katz SJ**. Social and Clinical Determinants of Contralateral Prophylactic Mastectomy. *JAMA Surg*. 2014; 149(6):582-589.
21. Jagsi R, Pottow JA, Griffith KA, Bradley C, Hamilton AS, Graff J, **Katz SJ**, Hawley ST. Long-term financial burden of breast cancer: experiences of a diverse cohort of survivors identified through population-based registries. *J Clin Oncol*. 2014; 32(12):1269-1276.
22. Friese CR, Martinez KA, Abrahamse P, Hamilton AS, Graff JJ, Jagsi R, Griggs JJ, Hawley ST, **Katz SJ**. Providers of follow-up care in a population-based sample of breast care survivors. *Breast Cancer Res Treat*. 2014; 144(1):179-84.
23. **Katz, SJ**. Treatment decision aids are unlikely to cut healthcare costs. *BMJ*. 2014; 348:g1172.
24. **Katz SJ**, Morrow M. Addressing Over-Treatment in Breast Cancer: The Doctors' Dilemma. *Cancer*. 2013; 119(20): 3584-3588.
25. **Katz SJ**, Hawley ST. The value of sharing treatment decision-making with patients: are we expecting too much? *JAMA*. 2013; 310(15): 1559-1560.
26. **Katz SJ**, Morrow M. Contralateral Prophylactic Mastectomy for Breast Cancer: Addressing Peace of Mind. *JAMA*. 2013; 310(8):793-794.

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## Recent Projects:

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- P01CA163233-01                                  Katz (PI)                                  09/01/12 – 08/31/17  
**The Challenge of Individualizing Treatments for Patients with Breast Cancer**  
The overall goal of this program is to improve population health by helping clinicians and patients address the challenges of individualizing treatment of breast cancer for patients with favorable prognosis. We will conduct two population-based observational studies of 5000 patients newly diagnosed with breast cancer (including their attending clinicians) who were reported to the SEER registries of the state of Georgia and Los Angeles County. A third project will perform a randomized controlled trial of a practice based online management deliberation portal for patients newly diagnosed with breast cancer in the Detroit and Atlanta metropolitan SEER catchment area. Through a shared resource core we will deploy and evaluate a tailored online dissemination portal aimed at all surgeons and medical oncologists who treated the patient samples in the 2 observational studies. Role: PI
- UMCCC Innovation Research Grant                  Katz (PI)                                  05/01/14 – 04/30/15  
**Developing a Prototype for a Virtual Shared Learning System for Cancer Treatment Decisions**  
This is a pilot study that will create a tailored, online decision dashboard for members of cancer care teams. It will be an add-on to the research team’s existing online patient decision tool for cancer tests and treatments. Through this project, the tool will also be linked to the EPIC system of the University of Michigan Breast Care Center.
- RSG-14-035-01-CPPB                                  Hawley (PI)                                  07/01/14 – 06/30/17  
**Population based study of breast cancer decision support networks**  
The purpose of the study is to examine how informal decision supporters contribute to the process and outcome of decision making for decisions about surgery, radiation, and chemotherapy treatment, and how these roles may vary by race and ethnicity. Cancer” (Katz- PI). Role: Co-Investigator
- 1 R01 CA139014                                  Katz/Griggs (PI)                                  08/01/09 – 01/31/15  
**Racial/Ethnic and SES Disparities in Quality of Breast Cancer Systemic Therapy**  
The major goals of this application are to evaluate the disparities in the quality of treatment for patients with breast cancer in the Los Angeles and Detroit metropolitan areas. Role: PI
- R01 CA131041                                  Hawley (PI)                                  06/09/08 – 07/31/14  
**Evaluating a preference-tailored Intervention to Increase CRC Screening in Primary Care Settings**  
The major goals of this application are to test the effectiveness of a web-based decision tool that can be accessed from home or from a medical clinic that includes a preference clarification exercise for increasing adherence with CRC screening in two racially/ethnically and geographically diverse primary care settings.  
Role: Co-Investigator
- R01 CA119209                                  Griggs (PI)                                  06/09/08 – 04/30/12  
**Disparity in Quality of Breast Cancer Treatment and Effects on Outcomes**  
The major goals of this application are to examine the quality of chemotherapy and health outcomes for patients with breast cancer in Detroit and Los Angeles. Role: Co-Investigator
- 2 R01 CA109696                                  Katz/Hawley (PI)                                  07/01/08 – 08/31/12  
**Racial/Ethnic Disparities in Work and QoL Outcomes in Survivors of Breast Cancer**  
The major goals of this application are to evaluate patterns in quality of life and return to work among women originally diagnosed with breast cancer approximately three years prior and who participated in a prior population-based survey. Role: PI
- 1 K05 CA111340                                  Katz (PI)                                  09/21/06 – 08/31/12  
**Quality of Cancer Care Evaluation and Interventions**

The goal of this proposal is to establish a research program in health services research in cancer prevention and control, and to deploy a mentoring plan that will improve the quality of this research at the University of Michigan. Role: PI

1 K99 NR010750

Friese (PI)

07/01/10 – 06/30/13

**Fostering Independence in Nursing and Outcomes Research**

This mentored scientist award will support the transition of the candidate to an independent researcher. The research is focused on studying the quality of care patients with cancer receive, and the relationship between quality care and nursing practice environments. Role: Mentor