SEER-MHOS News

SEER-MHOS is a publicly accessible data resource combining cancer registry and patient survey data on health outcomes in cancer. This data resource is a linkage between the National Cancer Institute's (NCI) Surveillance, Epidemiology, and End Results (SEER) cancer registry data and the Centers for Medicare & Medicaid Services' (CMS) Medicare Health Outcomes Survey (MHOS) patient surveys. These data provide a rich opportunity to examine cancer health outcomes, such as health-related quality of life and activities of daily living, along with clinical and epidemiologic information.

Happy Holidays, from the SEER-MHOS Team at NCI! We are excited to share our year in review:

SEER-MHOS Fun Facts

Did you know…

- NCI began collecting data about cancer cases through SEER in 1973, and CMS started the Health Outcomes Survey in 1998.
- The first SEER-MHOS articles were published in a special issue of Health Care Financing Review in 2008.
- The first Data Use Agreement for SEER-MHOS released to non-federal researchers was signed in 2011.
- Breast cancer is the most commonly requested site.

Over the past five years:

- SEER-MHOS has received 54 data request applications and been featured in 35 publications.
- 44% of SEER-MHOS approved data requests were for mentored (student/fellow) projects.
- Six NIH grants have been awarded that utilize SEER-MHOS data.

Roxanne's SEER-MHOS Wish List

Planning your next SEER-MHOS porject or want ideas to suggest to students and fellows? Consider projects that…

- Use pre-cancer diagnosis MHOS surveys to study cancer prevention, behavior, and risk
- Pool survey data to focus on quality of life for survivors of rarer cancer types
- Link to other data sources (e.g., environmental data or census-level social risks) to robustly study cancer health outcomes
- Examine the quality of life for those cancer survivors reporting disabilities (self-reported and/or Medicare enrollment)

Our final 2024 SEER-MHOS webinar featured Medicare plan files and the value they add to a SEER-MHOS analysis. Watch this webinar or any other of our wide range of informational and research webinar recordings here!

Dr. Virginia LeBaron, the 2023-2024 NCI/AcademyHealth Healthcare Delivery Research Visiting Scholar, used the SEER-MHOS data resource to analyze opioid prescribing practices for older adults with advanced cancer and risk factors for the potential undertreatment of pain. This summer, Dr. LeBaron presented her findings at the 2024 AcademyHealth Annual Research Meeting.

If you are presenting SEER-MHOS work at an upcoming conference, let us know!

Recent SEER-MHOS Publications:

- Golzy et al. (2024). Transition in Quality of Life Among Older Patients With Bladder Cancer and Its Association With Treatment: A Clustering Approach. Read
- Wojcik et al. (2024). Clinical and sociodemographic determinants of older breast cancer survivors' reports of receiving advice about exercise. Read

A full list of publications can be found on the SEER-MHOS website.

Are you submitting a SEER-MHOS manuscript? Remember to follow our manuscript clearance process**:**
https://healthcaredelivery.cancer.gov/seer-mhos/support/submission.html

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Latest Data Release:

The SEER-MHOS team is excited to share the data you can get in our latest data release:

- ✓ Link to census-level data at the date of cancer diagnosis **and** time of survey

- ✓ Detailed Medicare Advantage plan-level data, including plan types, monthly and annual enrollment figures, cost information (premiums and cost-sharing), and quality ratings. Use this data to analyze healthcare utilization patterns, assess quality of care outcomes, and explore relationships between plan characteristics and cancer-related health measures.

- ✓ SEER Cancer Registry Data, Medicare Health Outcome Surveys, and Prescription Drug Claims through 2021

If you have questions about the SEER-MHOS data or any of our tools, contact us here.

To stay up to date on SEER-MHOS between newsletters, follow us on X (@theNCI) or LinkedIn (NCI Division of Cancer Control and Population Sciences)!

Thank you for your continued support of SEER-MHOS!

The SEER-MHOS Team		
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