

## Publicly Available Datasets for GeriOnc Research

Databases	Abbreviations	Link	Paper/Abstract titles	Investigator	Example research papers by CARG members	Comments
Surveillance, Epidemiology, and End Results	SEER	<a href="https://seer.cancer.gov/data/">https://seer.cancer.gov/data/</a>		Rachel Freedman		
			Predicting future cancer incidence by age and gender	Noam VanderWalde	<a href="https://ascopubs.org/doi/abs/10.1200/JCO.2019.37.15_suppl.1559">https://ascopubs.org/doi/abs/10.1200/JCO.2019.37.15_suppl.1559</a>	
				Viteri Malone		
				Eva Culakova		
Surveillance, Epidemiology, and End Results-Medicare	SEER-Medicare	<a href="https://healthcaredelivery.cancer.gov/seermedicare/">https://healthcaredelivery.cancer.gov/seermedicare/</a>		Anita Kumar		Programming challenge
			The characteristics, treatment patterns, and outcomes of older adults aged 80 and over with multiple myeloma	Tanya Wildes	<a href="https://www.ncbi.nlm.nih.gov/pubmed/32169544">https://www.ncbi.nlm.nih.gov/pubmed/32169544</a>	No EHR data, lab values, limited information on metastasis
			Measuring cardiopulmonary complications of carfilzomib treatment and associated risk factors using the SEER-Medicare database		<a href="https://www.ncbi.nlm.nih.gov/pubmed/31721140">https://www.ncbi.nlm.nih.gov/pubmed/31721140</a>	
			Adherence to Lenalidomide in Older Adults With Newly Diagnosed Multiple Myeloma		<a href="https://www.ncbi.nlm.nih.gov/pubmed/31843543">https://www.ncbi.nlm.nih.gov/pubmed/31843543</a>	
			Cost differential associated with hospice use among older patients with multiple myeloma		<a href="https://www.ncbi.nlm.nih.gov/pubmed/31262592">https://www.ncbi.nlm.nih.gov/pubmed/31262592</a>	
				Xiaotao Rony Zhang		
				Amy Davidoff		
			Depression and Health Care Utilization at End of Life Among Older Adults With Advanced Non-Small-Cell Lung Cancer	Cara McDermott	<a href="https://pubmed.ncbi.nlm.nih.gov/30121375/">https://pubmed.ncbi.nlm.nih.gov/30121375/</a>	
				Rachel Freedman		
			Patterns of care in older patients with squamous cell carcinoma of the head and neck: a surveillance, epidemiology, and end results-medicare analysis	Noam VanderWalde	<a href="https://pubmed.ncbi.nlm.nih.gov/24058388/">https://pubmed.ncbi.nlm.nih.gov/24058388/</a>	
			Effectiveness of chemoradiation for head and neck cancer in an older patient population		<a href="https://pubmed.ncbi.nlm.nih.gov/24725687/">https://pubmed.ncbi.nlm.nih.gov/24725687/</a>	
			Definitive Pelvic Radiotherapy and Survival of Patients With Newly Diagnosed Metastatic Anal Cancer		<a href="https://pubmed.ncbi.nlm.nih.gov/30659127/">https://pubmed.ncbi.nlm.nih.gov/30659127/</a>	
				Viteri Malone		
				Niraj Gusani		
				Meghan Karuturi		

			The concomitant use of tyrosine kinase inhibitors and proton pump inhibitors: Prevalence, predictors, and impact on survival and discontinuation of therapy in older adults with cancer	Manvi Sharma	<a href="https://pubmed.ncbi.nlm.nih.gov/30605231/">https://pubmed.ncbi.nlm.nih.gov/30605231/</a>	
Surveillance, Epidemiology, and End Results-Medicare-Minimum Data Set	SEER-Medicare-MDS	<a href="https://healthcaredelivery.cancer.gov/seermedicare/medicare/mds.html">https://healthcaredelivery.cancer.gov/seermedicare/medicare/mds.html</a>		Huiwen Xu		
Surveillance, Epidemiology, and End Results-Medicare Health Outcomes Survey	SEER-MHOS	<a href="https://healthcaredelivery.cancer.gov/seer-mhos/">https://healthcaredelivery.cancer.gov/seer-mhos/</a>		Anita Kumar		No cancer treatment data
			Development of a Medicare Health Outcomes Survey Deficit-Accumulation Frailty Index and Its Application to Older Patients With Newly Diagnosed Multiple Myeloma	Tanya Wildes	<a href="https://www.ncbi.nlm.nih.gov/pubmed/30547157">https://www.ncbi.nlm.nih.gov/pubmed/30547157</a>	
			Falls in older adults with multiple myeloma		<a href="https://www.ncbi.nlm.nih.gov/pubmed/29239009">https://www.ncbi.nlm.nih.gov/pubmed/29239009</a>	
			Association of falls with health-related quality of life (HRQOL) in older cancer survivors: A population based study	Supriya Mohile	<a href="https://pubmed.ncbi.nlm.nih.gov/26907564/">https://pubmed.ncbi.nlm.nih.gov/26907564/</a>	
			Impact of bladder cancer on health related quality of life in 1,476 older Americans: a cross-sectional study		<a href="https://pubmed.ncbi.nlm.nih.gov/24704007/">https://pubmed.ncbi.nlm.nih.gov/24704007/</a>	
				Amy Davidoff		
				Imran Ali		
Surveillance, Epidemiology, and End Results-Consumer Assessment of Healthcare Providers and Systems	SEER-CAHPS	<a href="https://healthcaredelivery.cancer.gov/seer-cahps/">https://healthcaredelivery.cancer.gov/seer-cahps/</a>		Amy Davidoff		
Medicare Current Beneficiary Survey	MCBS			Huiwen Xu		
				Amy Davidoff		
Health and Retirement Study	HRS	<a href="https://hrs.isr.umich.edu/about">https://hrs.isr.umich.edu/about</a>		Amy Davidoff		
				Huiwen Xu		
				Rachel Freedman		

National Cancer Database	NCDB	<a href="https://www.facs.org/quality-programs/cancer/ncdb">https://www.facs.org/quality-programs/cancer/ncdb</a>	Disparities in Perioperative Radiation Therapy Use in Elderly Patients With Soft-Tissue Sarcoma	Noam VanderWalde	<a href="https://pubmed.ncbi.nlm.nih.gov/29958721/">https://pubmed.ncbi.nlm.nih.gov/29958721/</a>	
				Niraj Gusani		
National Health Interview Survey	NHIS	<a href="https://www.cdc.gov/nchs/nhis/index.htm">https://www.cdc.gov/nchs/nhis/index.htm</a>		Rachel Freedman		
Nationwide Inpatient Sample	NIS	<a href="https://www.hcup-us.ahq.gov/db/nation/nis/nisdbdocumentation.jsp">https://www.hcup-us.ahq.gov/db/nation/nis/nisdbdocumentation.jsp</a>		Anita Kumar		Contains inpatient data only
State Inpatient Databases (with NIS)	SID	<a href="https://www.hcup-us.ahq.gov/sidoverview.jsp">https://www.hcup-us.ahq.gov/sidoverview.jsp</a>	Use of Inpatient Palliative Care Services in Patients With Advanced Cancer Receiving Critical Care Therapies	Melissa Loh	<a href="https://pubmed.ncbi.nlm.nih.gov/30181417/">https://pubmed.ncbi.nlm.nih.gov/30181417/</a>	
			Predictors of the Use of Specific Critical Care Therapies in Patients With Metastatic Cancer		<a href="https://pubmed.ncbi.nlm.nih.gov/28040717/">https://pubmed.ncbi.nlm.nih.gov/28040717/</a>	
			Predictors of In-Hospital Mortality in Patients With Metastatic Cancer Receiving Specific Critical Care Therapies		<a href="https://pubmed.ncbi.nlm.nih.gov/27496114/">https://pubmed.ncbi.nlm.nih.gov/27496114/</a>	
National Health and Nutrition Examination Survey	NHANES	<a href="https://www.cdc.gov/nchs/nhanes/index.htm">https://www.cdc.gov/nchs/nhanes/index.htm</a>		Xiaotao Rony Zhang		
National Health and Aging Trends Study	NHATS	<a href="https://www.nhats.org/">https://www.nhats.org/</a>		Rachelle Brick		treatment, and dates associated with treatment and surgery require
				Huiwen Xu		
Veterans Affairs		<a href="https://catalog.data.gov/dataset/va-veterans-health-administration-access-data">https://catalog.data.gov/dataset/va-veterans-health-administration-access-data</a>		Clark DuMontier		Nationally integrated database with good follow-up
Clinicaltrials.gov		<a href="https://clinicaltrials.gov/">https://clinicaltrials.gov/</a>	Factors Associated With Age Disparities Among Cancer Clinical Trial Participants	Noam VanderWalde	<a href="https://pubmed.ncbi.nlm.nih.gov/31158272/">https://pubmed.ncbi.nlm.nih.gov/31158272/</a>	
			Decreasing incidence of upper age restriction enrollment criteria among cancer clinical trials		<a href="https://pubmed.ncbi.nlm.nih.gov/31711757/">https://pubmed.ncbi.nlm.nih.gov/31711757/</a>	
Women's Health Initiative	WHI	<a href="https://www.whi.org/">https://www.whi.org/</a>	Physical Functioning among Women 80 Years of Age and Older With and Without a Cancer History	Heidi Klepin	<a href="https://pubmed.ncbi.nlm.nih.gov/26858321/">https://pubmed.ncbi.nlm.nih.gov/26858321/</a>	
			Physical performance and subsequent disability and survival in older adults with malignancy: results from the health, aging and body composition study	Heidi Klepin	<a href="https://pubmed.ncbi.nlm.nih.gov/20122042/">https://pubmed.ncbi.nlm.nih.gov/20122042/</a>	A longitudinal study and analyses can be quite complicated and requires NIA approval
			Association of total adiposity and computed tomographic measures of regional adiposity with incident cancer risk: a prospective population-based study of older adults		<a href="https://pubmed.ncbi.nlm.nih.gov/24869972/">https://pubmed.ncbi.nlm.nih.gov/24869972/</a>	

Health, Aging and Body Composition Study	Health ABC	<a href="https://healthabc.nia.nih.gov/">https://healthabc.nia.nih.gov/</a>	<p>Chronic inflammation and risk of colorectal and other obesity-related cancers: The health, aging and body composition study</p> <p>Adherence to Cancer Prevention Guidelines among Older White and Black Adults in the Health ABC Study</p> <p>Trajectories in muscular strength and physical function among men with and without prostate cancer in the health aging and body composition study</p> <p>Assessment of Sarcopenia Measures, Survival, and Disability in Older Adults Before and After Diagnosis With Cancer</p> <p>Assessment of Sarcopenia Measures, Survival, and Disability in Older Adults Before and After Diagnosis With Cancer</p>		<a href="https://pubmed.ncbi.nlm.nih.gov/26413860/">https://pubmed.ncbi.nlm.nih.gov/26413860/</a> <a href="https://pubmed.ncbi.nlm.nih.gov/31058834/">https://pubmed.ncbi.nlm.nih.gov/31058834/</a> <a href="https://pubmed.ncbi.nlm.nih.gov/32053654/">https://pubmed.ncbi.nlm.nih.gov/32053654/</a> <a href="https://pubmed.ncbi.nlm.nih.gov/32396194/">https://pubmed.ncbi.nlm.nih.gov/32396194/</a> <a href="https://pubmed.ncbi.nlm.nih.gov/32396194/">https://pubmed.ncbi.nlm.nih.gov/32396194/</a>	
National Social Life, Health, and Aging Project	NSHAP	<a href="https://www.norc.org/Research/Projects/Pages/national-social-life-health-and-aging-project.aspx">https://www.norc.org/Research/Projects/Pages/national-social-life-health-and-aging-project.aspx</a>	<p>Social Relationships and Functional Impairment in Aging Cancer Survivors: A Longitudinal Social Network Study</p>	Jennifer Guida	<a href="https://pubmed.ncbi.nlm.nih.gov/31050729/">https://pubmed.ncbi.nlm.nih.gov/31050729/</a>	Has limited data on cancer survivors and a relatively small sample size. Very rich in terms of aging-related data though
Texas Cancer Registry linked with Medicare	TCR-Medicare	<a href="https://dshs.texas.gov/tcr/home.aspx">https://dshs.texas.gov/tcr/home.aspx</a>		Manvi Sharma		
Open Payments data linked with CMS Provider Utilization - Part D Prescriber data		<a href="https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Medicare-Provider-Charge-Data/Part-D-Prescriber">https://www.cms.gov/Research-Statistics-Data-and-Systems/Statistics-Trends-and-Reports/Medicare-Provider-Charge-Data/Part-D-Prescriber</a>	<p>Concordance Between Electronic Health Record Data and Medicare Part D Claims Data for Oral Anticancer Drug Use</p>	Manvi Sharma	<a href="https://pubmed.ncbi.nlm.nih.gov/32352527/">https://pubmed.ncbi.nlm.nih.gov/32352527/</a>	
		<p>Association between industry payments and prescribing costly medications: an observational study using open payments and medicare part D data</p>		<a href="https://pubmed.ncbi.nlm.nih.gov/29609611/">https://pubmed.ncbi.nlm.nih.gov/29609611/</a>		
Medical Expenditure Panel Survey	MEPS	<a href="https://www.meps.ahrq.gov/mepsweb/">https://www.meps.ahrq.gov/mepsweb/</a>	<p>Comparative Performance of Diagnosis-based and Prescription-based Comorbidity Scores to Predict Health-related Quality of Life</p>	Manvi Sharma	<a href="https://pubmed.ncbi.nlm.nih.gov/26918403/">https://pubmed.ncbi.nlm.nih.gov/26918403/</a>	