Identifying and addressing racial disparities in health care utilization patterns for **Coloradans who have completed primary cancer treatment**

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Purpose

People with histories of cancer experience unique health challenges including treatment-related late effects, and non-White populations often experience barriers to healthcare and exposure to risk factors at a higher rate than White populations. Limited care coordination, lack of clarity on provider roles following primary oncology treatment, and limited data contribute to gaps in cancer survivorship care. Many organizations use a survivorship care plan (SCPs) to document the completion of curative treatment and the need for preventive care following cancer treatment. The purpose of this work is to identify racial disparities in healthcare utilization among cancer survivors with a SCP. Understanding these gaps may facilitate discussions and interventions to deliver more equitable care to cancer survivors.

Methods

A database of individuals who have received any part of their cancer-related care through the University of Colorado Cancer Center (UCCC) and have a SCP was created to better understand this group of individuals. The data are derived from Health Data Compass, a platform that pulls electronic health records from the UCHealth system. Variables in the database include patient demographics, laboratory tests, clinician encounters, immunizations, and procedures. Patient characteristics, completion of American Cancer Society (ACS) recommended cancer screenings, indication of PCP visit, and influenza and COVID-19 receipt of vaccinations will be compared by race and ethnicity using chi-square tests. Logistic regression will be used to identify predictors of health maintenance behaviors.

Variable

Overall Age 18-44 45-54 55-54 65-74 75+ Sex Female Male Urban vs. Rural Urban Rural **County-level educational a** Low High Unknown **County-level poverty** High Low Unknown

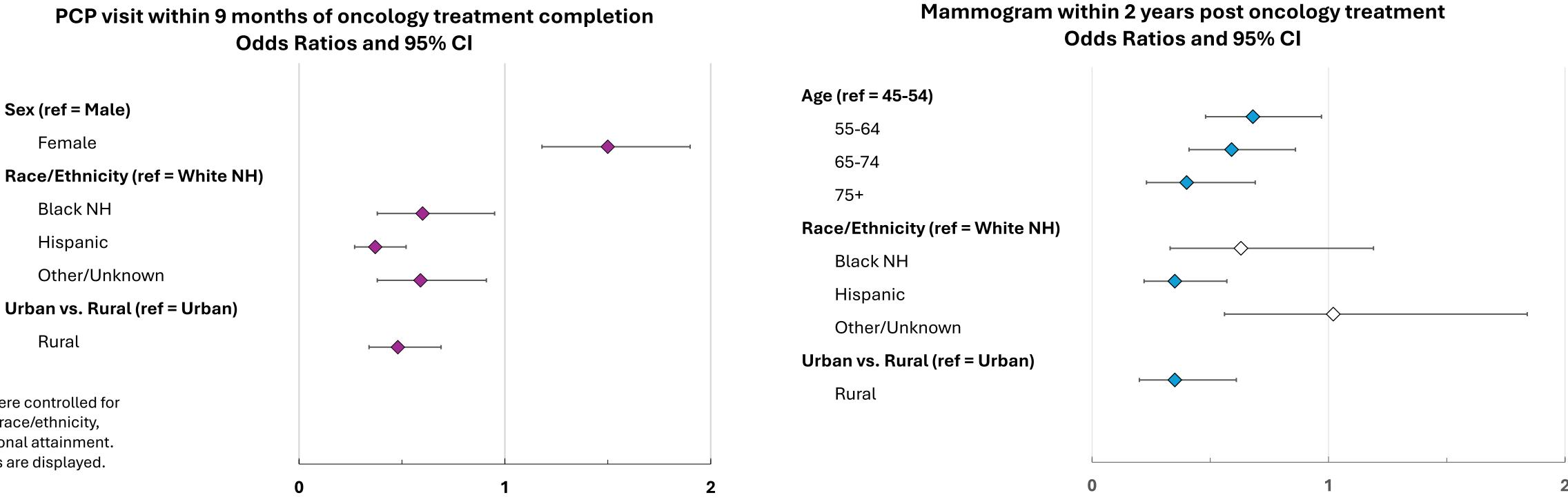
Rural

Multivariable models were controlled for age, sex (if applicable), race/ethnicity, urban vs. rural, educational attainment. Only significant findings are displayed.

Preliminary analysis revealed significant disparities in follow-up PCP visits and mammograms by patient race and ethnicity, as well as urban versus rural residence. There were no significant findings in the models looking at predictors of colorectal cancer or prostate cancer screenings. Further outcomes of interest will include follow-up oncology visits and emergency department visits, while additional covariates analyses will include primary cancer site, insurance status, and other comorbid conditions.

	Table 1. Patient Demographics Patient Race and Ethnicity						
	Total	White NH	Black NH	Hispanic	Other/Unknown	p-value	
	2444	1874	140	268	162		Impact
	358	264 (14.09)	12 (8.57)	57 (21.27)	25 (15.43)	<.001	Preliminary results highlight the importance of
	402	292 (15.58)	21 (15.00)	57 (21.27)	32 (19.75)		
	744	556 (29.67)	58 (41.43)	79 (29.48)	51 (31.48)		collecting and analyzing data on individuals who
	731	590 (31.48)	39 (27.86)	57 (21.27)	45 (27.78)		have completed active cancer treatment.
	209	172 (9.18)	10 (7.14)	18 (6.72)	9 (5.56)		Information gathered may highlight gaps in care
	1288	1008 (53.79)	53 (37.86)	148 (55.22)	79 (48.77)	0.002	coordination within complex health care systems,
	1156	866 (46.21)	87 (62.14)	120 (44.78)	83 (51.23)		especially ones that disproportionally impact
	2206	1670 (89.11)	139 (99.29)	253 (94.40)		<.001	minority groups. Engaging different stakeholders
attainment	238	204 (10.89)	1 (0.71)	15 (5.60)	18 (11.11)		to address these issues may help improve and enhance systematic population management for
attainment	740	516 (27.53)	59 (42.14)	117 (43.66)	48 (29.63)	<.001	cancer survivors.
	1390	1115 (59.50)	73 (52.14)	117 (43.66)	85 (52.47)		
	314	243 (12.97)	8 (5.71)	34 (12.69)	29 (17.90)		
						<.001	
	503	362 (19.32)	48 (34.29)	55 (20.52)	38 (23.46)		
	1627	1269 (67.72)	84 (60.00)	179 (66.79)	95 (58.64)		
	314	243 (12.97)	8 (5.71)	34 (12.69)	29 (17.90)		

Odds Ratios and 95% CI



Results and future analyses



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