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BACKGROUND AND PURPOSE

- Access to care which rural residents suffer more than their urban counterparts – is evidently associated with cancer care outcomes.
- Despite overwhelming rural-urban disparities in cancer mortality, geographic distribution of cancer specialists has left unanswered.

Purpose:

- To examine the geographic distribution of colorectal and cervical cancer specialists
- To quantify how far rural and urban residents have to travel to reach the nearest cancer care providers by specialty (general surgery, surgical oncology, medical oncology, radiation oncology, gynecology oncology, colorectal surgery, and gastroenterology)

METHODS

The 2016 American Community Survey

Identify Zip code tabulation area (ZCTA)

Practice location from 2018 Physician Compare

Nationwide 2,704,804 colorectal & cervical cancer providers actively practicing in 2016

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Identify and calculate the	Calculate t
residents density at risk of	proximity ir
colorectal (all residents at	miles for ea
age 50-74) and cervical	specialty, f
cancers (females at age 20+)	each resid
	ZCTA cent
Calculate the specialists	to the near
density by specialty per	cancer
100,000 residents at risk	provider's
(colorectal & cervical	practice
cancers)	location

Urban-rural disparities in residential access to colorectal and cervical cancer care specialists





Key Findings

State density of providers per 100,000

		Min	Mean	Max
I Cancer	Rural	9	84	187
	Urban	83	163	349
Cancer	Rural	9	65	131
	Urban	45	86	158

Median residential proximities to the nearest oncologist(s) by rurality (miles):

Rural	Urban
38.6	10.9
32.5	12.9
36.7	18.7
15.4	6.8
73	19.4
60.1	16.1
29.6	8.3
	Rural38.632.536.715.47360.129.6

DISCUSSION

• Rural residents are already older, sicker, and more socioeconomically disadvantaged than their urban counterparts.

The maldistribution of cancer care workforce may exacerbate the existing rural-urban disparities in cancer care morbidity and

 Policy actions to address these access disparities and to develop programs to provide specialized cancer care to millions of rural residents in underserved areas are

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