

Exploring Cancer
Examining the Role of Biology, Race, Class, and Socioeconomics

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A collaboration between

NC Central **UNC** **LINEBERGER COMPREHENSIVE CANCER CENTER** **North Carolina Agricultural and Mechanical State University**

3

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Fridays
11:00 - 11:50 AM EST/EDT

August 25 Welcome to Cancer(s) and Health Disparities 101 - The Introduction	October 13 Breast Cancer Health Disparities	November 10 Precision Medicine and Immunotherapy
September 1 Radiation Oncology - What is it, and What is it Good For?	October 20 Pancreatic Cancer	November 17 Expanding Cancer Care Quality and Delivery in Sub-Saharan Africa: a collaborative approach
September 8 New Strategies in Treating GI Cancers	October 27 Careers in Cancer	

4

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October 20, 2023

Pancreatic Cancer: Overview, Health Disparities, and Survivor Interview

 Yolanda VanRell, PHD, RN, MEdSurg-BC, OON, CNE, ACU, ANEP	 Karyn Green, MS, MUP	 Sydney Taylor, BA
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5

	<p>Dr. Yolanda M. VanRell is the Department Chair of Nursing at North Carolina Central University. She earned an Associate Degree in Nursing from Richmond Community College, a Bachelor of Science in Nursing and Master of Science in Nursing with a concentration in Nursing Education from the University of North Carolina at Greensboro, and a Doctorate of Philosophy in Nursing from the University of North Carolina at Chapel Hill. She also earned an Interdisciplinary Certificate in Healthcare Disparities from the University of North Carolina at Chapel Hill and Doctorate's Certificate in Nursing Administration from Queens University of Charlotte. A Fellow in the NACNS Academy of Nursing Education, Dr. VanRell is also certified from educational programs in nursing, certificate and board certified in pedagogical fields. Her research areas are nursing education, provider/patient communication, health disparities, and settings. She has numerous presentations, publications, and grants.</p> <p>Dr. VanRell is a leader in career opportunities including the National League for Nursing (NLN) Board of Governors at Large position (2020-2023), and the North Carolina League for Nursing (NCLN) Board President. She was a North Carolina Board of Nursing member representing the BSN and HGMJ Education (2015-2019) and served as Vice Chair of the NCBON (2019-2021).</p>
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6

Professional Highlights

7

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10

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11

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1. I am a Great 100 Nurses of NC recipient.

12



Karyn Green is a current ABEM resident at NC Central University. Having to her second career, previously having worked in the environmental compliance field for almost 10 years between the Michigan Department of Environmental Quality, and Energy and NC State University. She became interested in oncology nursing after her mother was diagnosed with breast cancer. She is happy to say her mother is a cancer survivor today!

Karyn graduated in December and is excited to be starting her nursing career in adult oncology oncology at UNC hospital in Chapel Hill in early February 2024.

**Karyn Green,
MS, MUP**

13

Professional Highlights

14

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15

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16

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2. She is a 2023 UNC Lineberger, NCCU, Sylvia Lauterborn, and Warren Trent Piver Oncology Nursing Fellow
1. She used to live with a guinea pig named Henry Marshmallow

17



Sydney Taylor, BA

Sydney Taylor is a current senior nursing student at North Carolina Central University in their Bachelor of Science program. She is also an alumna of UNC-Chapel Hill's class of 2020. After enrolling in nursing school, she worked as a College Advisor in Edgecombe County through Carolina College Admissions. This wonderful career opportunity allowed her to connect and assist senior high school students throughout their college application process. Nothing is so new as the fact that she has been passionate about areas she was taught to love. She knows she wanted to work in healthcare since she was a child. Growing up, she spent frequent time in and out of healthcare settings due to her cancer journey. This journey, through challenging setbacks, has led her to pursue a career in healthcare so that she could help others like she has remained grateful and make a positive impact on people's lives the way that her healthcare team did for her.

Sydney is excited to be where she is today and is eagerly anticipating my graduation in May 2024.

18

Professional Highlights

19

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20

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21

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3. She is a native of Durham, North Carolina

22

Professional Highlights

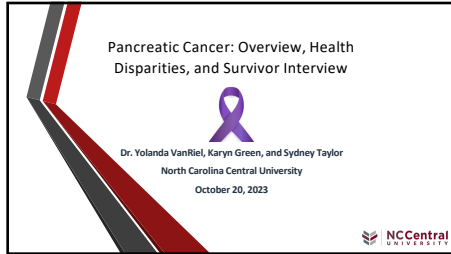
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2. She is a proud big sister of one human sister and two fur-brothers (1 dachshund and 1 lab-pit mix).

23

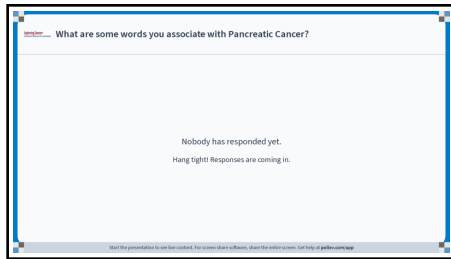
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3. She is a native of Durham, North Carolina
2. She is a proud big sister of one human sister and two fur-brothers (1 dachshund and 1 lab-pit mix).
1. She loves all things Disney and in her spare time she enjoys traveling and trying new recipes.

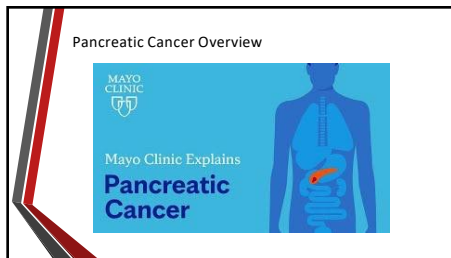
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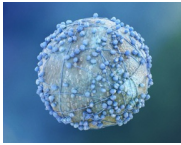
Pancreatic Cancer Types

Exocrine (most common)

- Adenocarcinoma (>90%)
- Squamous cell carcinoma (<1%)
- Adenoquamous carcinoma (2-4%)
- Colloid carcinoma (1-3%)

Neuroendocrine (<5%)

- Gastrinoma
- Insulinoma
- Glucagonoma
- VIPomas and Somatostatinomas



<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6111111/>

28

What is a risk factor related to Pancreatic Cancer?

Smoking	0%
Diabetes	0%
Race	0%
Age	0%
Sex	0%
All of the above	0%

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29

Risk Factors

Non-modifiable

- Sex: Male
- Race: African American
- Age: 65 to 74 years
- Chronic pancreatitis (genetic)
- Family history of DNA changes that increase the risk



<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6111111/>

30

Risk Factors

Modifiable

- Diabetes
- Tobacco use
- Obesity
- Chronic pancreatitis
- Exposure to chemicals
- Alcohol use



31

Pancreatic Cancer is more common in males, females, or equally common?

Males: 0%

Females: 0%

Equally common: 0%

32

Pancreatic Cancer Statistics

The top 12 most common cancer sites, shown below, will account for more than three quarters of all new cancer cases. For more cancer sites, see [Do Cancer Rates Compare?](#)

Male	Female
288,300	287,790
117,550	N/A
81,860	120,790
58,120	71,160
42,420	39,490
44,680	19,870
52,390	35,670
N/A	29,440
35,670	68,200
33,150	23,840
12,540	30,620
	31,190

Source: Cancer Facts & Figures 2023, American Cancer Society (ACS), Atlanta, Georgia, 2023.

33

Statistics and Health Disparities

Current Statistics (SEER Data)

- Estimated new cases 64,050
- Estimated deaths 50,550
- 5-Year relative survival rate is 12.5%
 - 44% localized progression
 - 16% regional progression
 - 3% distant progression
 - 10% unknown progression


Health Disparities (Samaan et al. 2023)

- Higher incidence and mortality rate among Black compared to White persons
- Disproportionate burden of disease in young women of color
- Incidence is increasing at a faster rate in young women (<55 years) than young men
- Among young women (<55 years), Hispanic and Black women experienced a disproportionately greater increase in incidence

34

Early Detection & Screening

- Endoscopic Ultrasound
- MRI
- Genetic testing
 - Genetic testing looks for gene changes that lead to inherited conditions which further increase the risk for acquiring pancreatic cancer. The tests look for these inherited conditions, not pancreatic cancer itself.



35

True or False, there is no cure for Pancreatic Cancer?

True 0%

False 0%

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36

Treatments

- Surgery
- Radiation therapy
- Chemotherapy
- Chemoradiation therapy
- Targeted therapy
- Immunotherapy




37

Well-known People Associated With Pancreatic Cancer

1. Alex Trebek	9. Dizzy Gillespie
2. Steve Jobs	10. Sally Ride
3. Ruth Bader Ginsberg	11. Patrick Swayze
4. Aretha Franklin	12. Michael Landon
5. John Hurt	13. Joan Crawford
6. Luciano Pavarotti	14. Gene Upshaw
7. Sharon Jones	15. Benjamin Orr
8. Alan Rickman	16. Charlotte Rae

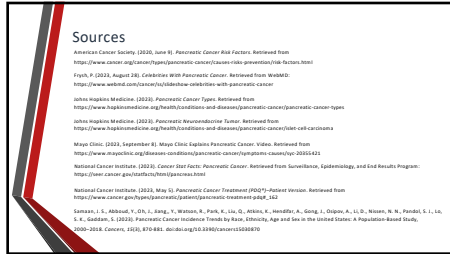
38



Pancreatic Cancer Survivor Interview

[Please click here to access the video.](#)

39



40



41




42

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Exploring Cancer is a webinar series taught by cancer biologists, physicians, public health experts, and other cancer specialists from NCCU, UNC-Chapel Hill, and NC A&T.

UNC Lineberger Cancer Network



43

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Upcoming Live Webinar

Careers in Cancer

Live Now
October 27
11:00 AM



Veronica Carlisle, MPH, CHES | Jessica Veale, MGS, RN-C | Michelle Johnson, MGS, RN (BCSC)CM | Valarie Worthy, RN, MSN

44

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45
