

# **Learning Objectives**

- ➤ Describe the demographics of aging and cancer.
- > Describe critical elements of performing a geriatric assessment.
- >Formulate a specific treatment plan for older oncology patients.



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# For today....

- ➤ Demographics and some facts
- ➤ Geriatric Assessment
- ➤ Age and Life-Expectancy
- ➤ Goals of Therapy
- ➤ Calculating Benefits of Treatment
- ➤ Calculating Chemotherapy Toxicity

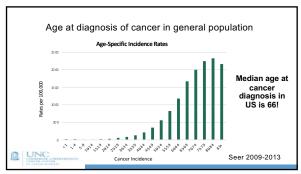


### Some facts...

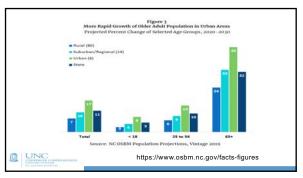
- > The US is aging and becoming more diverse
- North Carolina is no different
- ➤ Cancer is a disease of aging
- > In older patients cancer be an annoyance ot devastating
- > Older patients are underrepresented in clinical trial
- > We have a national shortage of geriatricians
- > Like most medicine now caring for older cancer patients is a team game

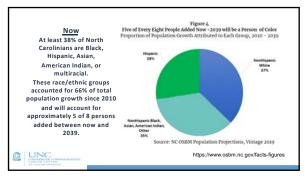


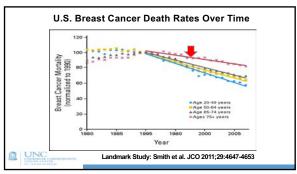
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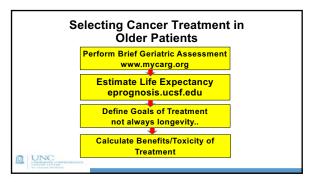
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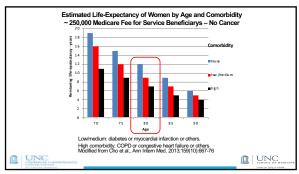




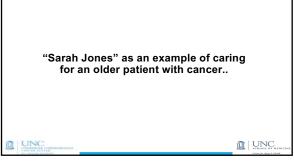
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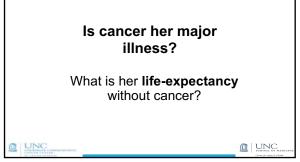


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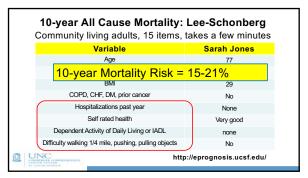


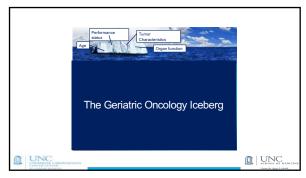
# Sarah Jones Age 77 Years > States she is in very good health, BMI 29 > Hypertension, hyperlipidemia, hypothyroidism > Drives, No functional deficits (Full ADL and IADL) > No falls, prior smoker, no prior cancer > Cares for 82 y/o husband with mild dementia > Now: Felt a left breast lump • Mammogram 1.8 cm left breast lesion • Physical examination 2 cm breast mass and palpable LN • Bx mass, LN; IDC, grade 2, ER+, PR+, HER-2 Neg. LN positive

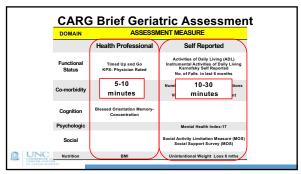
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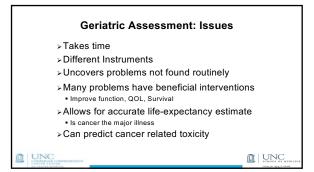
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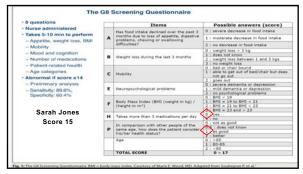


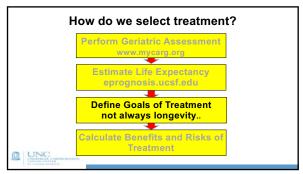




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### Goals...

- ➤ You need to be aligned with the patient
- ➤ Patient Goals
  - Maintain function and independence
    - "I don't want to be a burden to my family"
  - Minimize cancer related symptoms
  - Focus on Quality of Life
- ➤ Physician Goals
  - Adjuvant therapy to increase cure
- Metastases: maintain QOL, control cancer



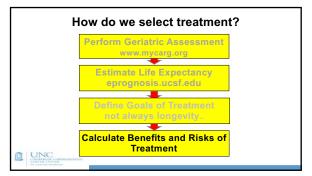
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### Sarah Jones

- ➤ She elects lumpectomy and axillary dissection:
  - 2.3 cm Grade 2 IDC. No LVI.
  - 5 positive nodes of 13 removed
  - ER+, PR+ HER2 neg
  - Staging negative
  - T2 N2 M0 = Anatomic IIIA

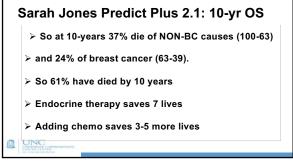


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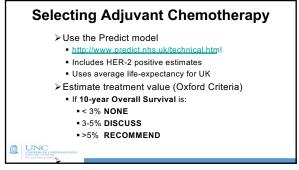


# Predict Plus 2.1 > Reasonably good estimates of value of adjuvant therapy > Endocrine, chemotherapy or both. Also bisphosphonates > Calculates Overall Survival (OS) at 5,10,15 years > Some validation in 80-year-olds > Data on OS if no cancer from UK estimates average health > Can add bisphosphonates > Can print out for patients

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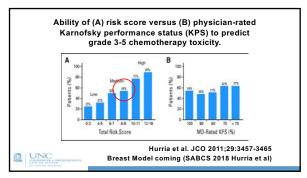
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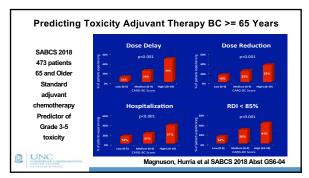


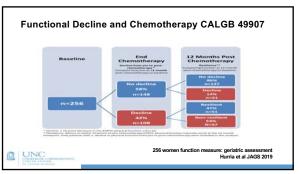


Risk factors for Grade 3-5 Toxicity	OR (95% CI)	Score	Pt
Age ≥73 yrs	1.8 (1.2-2.7)	2	2
GI/GU cancer vs. other cancer	2.2 (1.4-3.3)	3	0
Standard dose vs. reduced	2.1 (1.3-3.5)	3	3
Sarah Jones = 9 Points	1.8 (1.1-2.7)	2	3
Hemoglobin (maie: <11, temaie: <10)	2.2 (1.1-4.3)	3	0
Creatinine Clearance (Jelliffe -ideal wt) <34	2.5 (1.2-5.6)	3	0
1 or more falls in last 6 months	2.3 (1.3-3.9)	3	0
Hearing impairment (fair or worse)	1.6 (1.0-2.6)	2	0
Limited in walking 1 block (MOS)	1.8 (1.1-3.1)	2	0
Assistance required in medication intake	1.4 (0.6-3.1)	1	0
Decreased social activity (MOS)	1.3 (0.9-2.0)	1	1

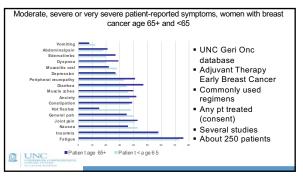
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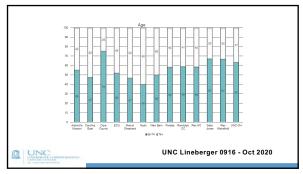


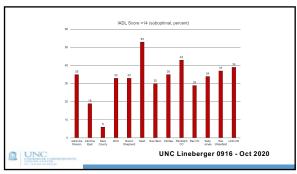
	ider Screening test first like G8 or VES13 ed with UNC Financial Experts, Check with you	ır own financial tea	
CPT	CPT description	wRVU in 2020	
99201	Office/outpatient visit new	0.48	
99202	Office/outpatient visit new	0.93	
99203	Office/outpatient visit new	1.42	
99204	Office/outpatient visit new	2.43	
99205	Office/outpatient visit new	3.17	
	Add on code, for prolonged evalu & management beyond the	2.33	
99354	typical services time of the primary office service, requiring direct patient contact. List separately in addition to code for office exam.	Document more tha	

Google or other	Purpose
Eprognosis	Life expectancy calculators for community-dwelling, hospitalized, nursing home and hospice pts.
Mycarg	CARG, The Cancer and Aging Research Group. A variety of Geriatric Assessment and Toxicity tools in different languages. Can do online and print results
CRASH score	Moffit Cancer Center, Senior Adult Oncology Program Tools. Online tools for estimating toxicity and performing Geriatric Assessment
Predict UK	Online calculator for estimating the effects of different adjuvant therapies for breast cancer on overall survival
SIOG	The International Society of Geriatric Oncology educational materials and guidelines for managing older patients with cancers.
Cancer.net	American Society of Clinical Oncology (ASCO) for patients with specific information for older adults.
ASCO.org	ASCO website provides excellent educational materials and guidelines for treating older adults.
Pogoe	The Portal of Geriatrics Online Education For those who want to learn more

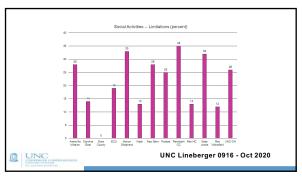
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# **Summary: Older Patients and Cancer**

- ➤ Clinical decisions should be based on
  - Life expectancy
  - Age is not a good surrogate for life expectancy
- ➤ Use screen or geriatric assessment
- ➤ Establish the patients goals for treatment
  - Function and Quality of life key
- ${\blacktriangleright} \mbox{ Calculate benefits and toxicity of treatment}$
- > "If you have cared for one older pt with BC you have cared for one older pt with BC"



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