

# Association between Cancer and Aging Research Group Score and Short-Term Mortality in Older Adults with Cancer

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Disclosures: None

AGS Poster: #D171

# Introduction

- Increasing prevalence of cancer in older adults
- Quantifying risk of short-term mortality can improve shared decision making
- Cancer and Aging Research Group (CARG) score predicts chemotherapy toxicity, but its association with short-term mortality is unknown

# Methods

- Retrospective analysis
- Geriatric oncology clinic, Jan 2018-Sept 2020
- Mortality rates with exact 95% confidence intervals
- CARG score vs. 30-, 60-, 90-day mortality rates

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### Chemo-Toxicity Calculator

Click [here](#) to access the translated chemo-toxicity calculators from the old CARG website.

Gender  
Select

Patient's Age

Patient's Height  
Select

Patient's Weight  
Select

Cancer Type  
Select

Dosage  
Select

Number of Chemotherapy Agents  
Select

Hemoglobin  
Select a value

How is your hearing (with a hearing aid, if needed)?  
Choose

Number of falls in the past 6 months  
Choose

Can you take your own medicines?  
Choose

Does your health limit you in walking one block?  
Choose

During the past 4 weeks, how much of the time has your physical health or emotional problems interfered with your social activities (like visiting with friends, relatives, etc.)?  
Choose

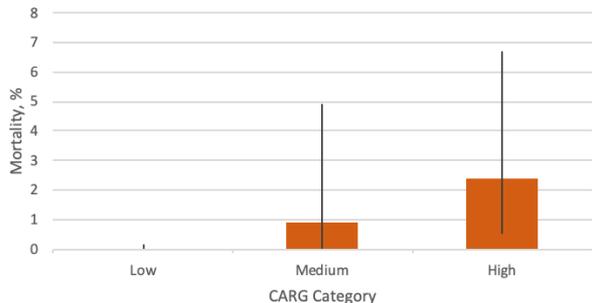
Select Serum Creatinine  
Choose

Creatinine Clearance \*\*

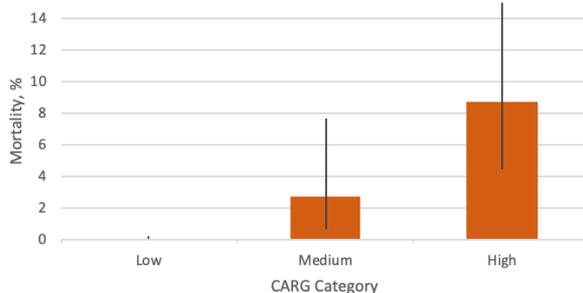
# Results

- 262 patients: 57% female, 67% white, age 77 (SD 8.8)
- Average CARG score 10 (SD 3.9)
- Overall mortality 1.5% at 30, 5.1% at 60, 8.1% at 90 days

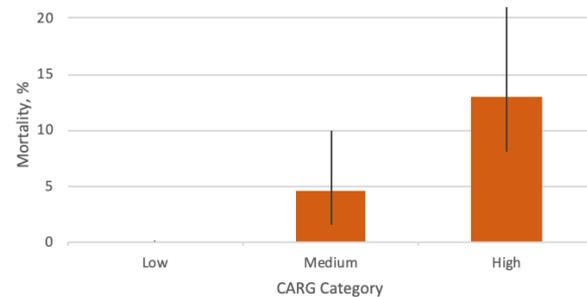
CARG Score vs. 30-Day Mortality



CARG Score vs. 60-Day Mortality



CARG Score vs. 90-Day Mortality



# Conclusions

- CARG score trends with 30-, 60-, and 90-day mortality in older adults with cancer
- May contribute to prognostication, treatment planning, and referrals for geriatric assessment
- Further study in larger cohort to give more precise point-estimates of mortality risk

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Live Presentation: Session D – 5/14 at 2:45pm