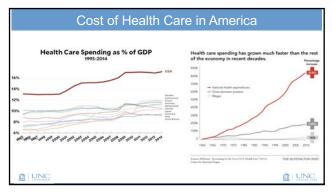
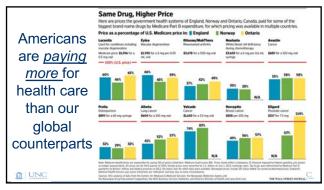




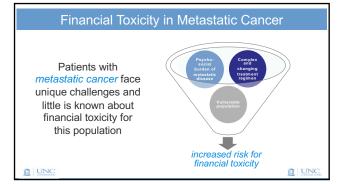
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The adverse financial impact of cancer is a source of significant harm to patients, also known as financial toxicity, and affects ~30% of cancer patients (Kent et al., 2013, Cancer) The financial burden of cancer has been linked to: - Lower quality of life (Lathan et al., 2015, JCO; Zafar et al., 2015, JCP) - Greater psychological distress (Yabroff et al., 2015, JCO) - Delayed or discontinued treatment (Zafar et al., 2013, Oncologist) - Bankruptcy (Yabroff et al., 2015, JCO; Ramsey et al., 2013, Health Affairs) - Mortality (Ramsey et al., 2016, JCO)

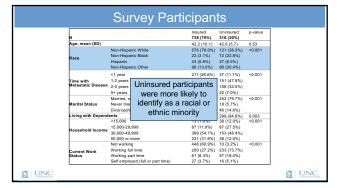
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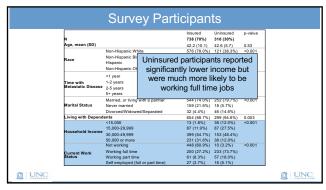


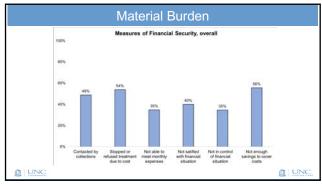


	Surve	ey Par	ticipan	ts	
			Insured	Uninsured	p-value
N			738 (70%)	316 (30%)	
Age, mean (SD)			42.2 (10.1)	42.6 (5.7)	0.53
	Non-Hispanic Wh	nite	576 (78.0%)	121 (38.3%)	< 0.001
Race	Non-Hispanic Bla Hispanic Non-Hispanic Ot		ndividuals from pleted the		/.
Time with Metastatic Disease	<1 year 1-2 years	of which	30% were ι		d 1.001
	2-5 years 5+ years		153 (20.8%) 25 (3.4%)	106 (33.5%) 22 (7.0%)	
	Married, or living with a partner		544 (74.0%)	252 (79.7%)	< 0.001
Marital Status	Never married		159 (21.6%)	18 (5.7%)	
	Divorced/Widowed/Separated		32 (4.4%)	46 (14.6%)	
Living with Depend	ients		654 (88.7%)	299 (94.6%)	0.003
	<15,000		13 (1.8%)	38 (12.0%)	<0.001
Household Income	15,000-29,999		87 (11.9%)	87 (27.5%)	
The second income	30,000-49,999		399 (54.7%)	153 (48.4%)	
	50,000 or more		231 (31.6%)	38 (12.0%)	
I	Not working		448 (60.9%)	10 (3.2%)	<0.001
Current Work	Working full time		200 (27.2%)	233 (73.7%)	
Status	Working part time		61 (8.3%)	57 (18.0%)	
	Self employed (fu	III or part time)	27 (3.7%)	16 (5.1%)	
2					

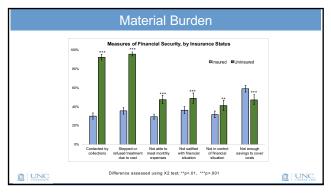
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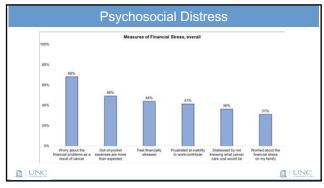


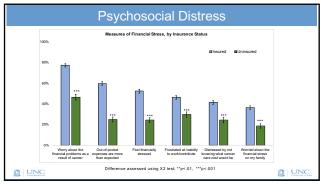




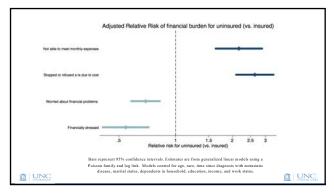
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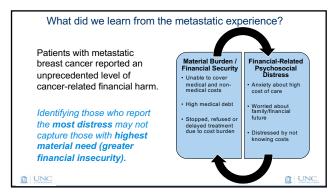


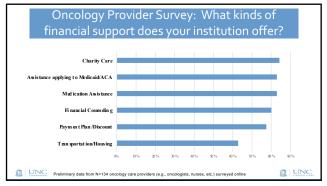




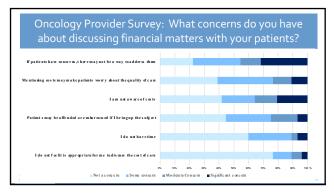
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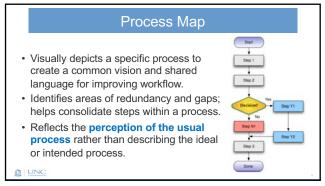




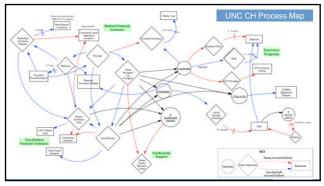
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	Un	insured	Under	insured
Resource	Systematic Identification of Need	Navigation through application process	Systematic Identification of Need	Navigation through application process
Medicaid	Yes	Yes- if inpatient	-	
Affordable Care Act Subsidy	Yes	No		
Social Security Disability	Yes	No	No	No
Cobra Repayment	No	Yes	-	
Charity Care	Yes	Yes	No	Yes
Pharmacy Assistance Program	Yes	Yes	-	
Medication Assistance Program	Yes	Yes	Yes	Yes
Community Based-Copay Assistance	No	No	No	No
External Non-Profits (non- medical)	No	No	No	No



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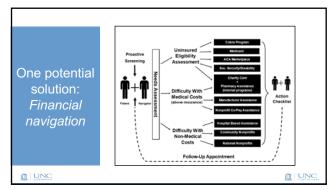


Summary of Cancerrelated Financial Challenges to Patients

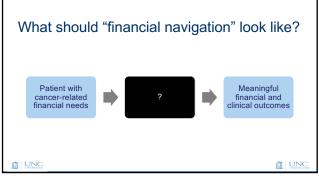
- Heavier burden of FT in metastatic, black, and rural populations
- Lack of systematic and ongoing identification of financial need
- Financial distress may not reflect the material need (financial insecurity)
- Lack of coordinated, streamlined applications once need is identified
- Lack of resources for underinsured
- Lack of effective **navigation** to assist patients and families

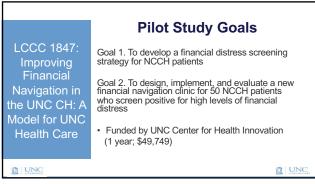
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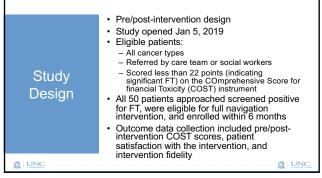
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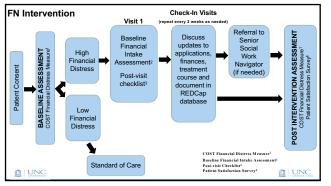
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Pilot Intervention Components

- · Intake assessment of financial needs and vulnerability
- Initial one-on-one consultation with a trained financial navigator
- Triage to financial support services matching patients' needs
- Multiple follow up appointments (every 2 wks) with navigator assistance based upon:
 - Patients' employment status, income, assets, billing and insurance status
 - Referral to appropriate financial and social services resources offered by the hospital, government, nonprofit and private corporations
 - Assistance with application completion and tracking of application status
 - Checklist of resources they were eligible for and the required paperwork

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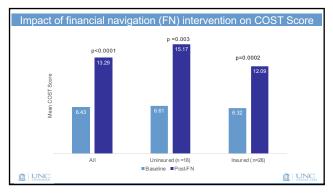


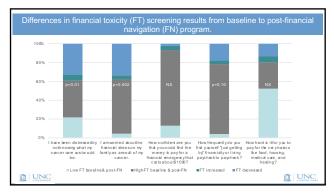
- · Mean age: 48 years old
- 61% female
- D---
- 11000
 - 61% White, 30% Black, 9% Other
- 80% less than college degree
- 85% not currently working
- · Health Insurance
 - 39% uninsured, 28% public, 33% private
- Median monthly income: \$800

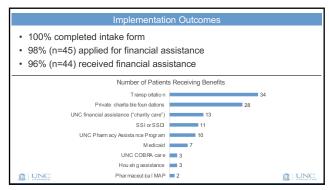
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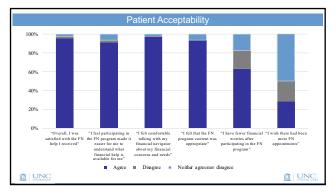
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Next Steps...

- · R01- Financial navigation (FN) for rural* cancer patients
 - -Specific Aims:
 - 1. Characterize the rural oncology practice context to prepare for FN implementation
 - $2. \ \, \text{Assess FN implementation determinants and implementation}$ outcomes in rural oncology practices.
 - 3. Evaluate the effectiveness of FN in improving patient outcomes of care in rural oncology practices

*Administrative Supplement approved to add 4 non-rural sites to study

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Study Partners

Rural Community Partners

Non-Rural Community Partners · CarolinaEast Health System

- · Carteret Health Care Cancer Center
- · Nash UNC Health Care
- · The Outer Banks Hospital
- · UNC Lenoir Health Care

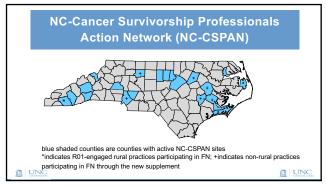
- · Vidant Medical Center

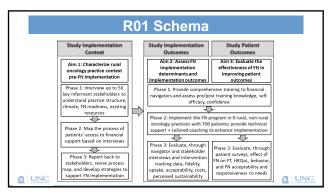
· Novant Health

- · Wake Forest University Health
- UNC Pardee

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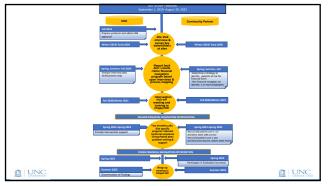
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R01 Year One Review · Completed site visits Transcribed & analyzed interviews & created a process map for each site External Advisory Board meeting in · Submitted IRBs Developed interview guide & codebook based on the Consolidated April 2020 Submitted 1st year progress report to Framework for Implementation Research (CFIR) NIH Administrative Supplement approved to Recruited 5-10 stakeholders/site for add 4 non-rural sites to study Developed comprehensive virtual in-depth interviews & surveys • COVID training for financial navigators 55 interviews over Zoom and collected 55 Organizational Readiness for Implementing Change (ORIC) surveys across sites UNC

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The Year Ahead

Training

Virtual training experience via Zoom teleconference that includes:

- teleconference that includes:

 Team-building/Peer Support
 Activities
 - Cancer-related FT
 - Presentations & Discussions

 Financial Distress Screening
 - Processes

 Review of Local and National
 Financial Support Resources
 and Eligibility Requirements
- Program Evaluation Practices
 Training on Program's
 Standard Operating
 Procedures (SOP) and
- Procedures (SOP) and
 Database tool

 7-hour Financial Bootca

Online Training offered by the Association of Community Cancer Centers (ACCC)

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The Year Ahead

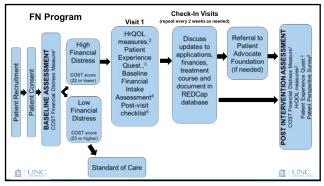
Financial Program

- Identify cancer patients with high financial distress
- Complete a comprehensive assessment to determine each patient's financial needs
- Assist with applications for financial support resources, including eligibility determination, application completion, and follow-up
- Track and monitor patients' financial and health outcomes in an electronic database
- Refer patients to PAF if needed
- Participate in the evaluation of the FN intervention (surveys and interviews)

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RO1 Study Measures and Tools

- Aim 1 (navigators and stakeholders):
 - ☐ Stakeholder interview guide
 - ☐ Organizational readiness survey (ORIC)
 - ☐ Organization-specific process map
- Aim 2 (navigators):
 - Training/Standard operating procedures (SOP) manual
 - Notes from peer navigator meetings and technical assistance meetings with UNC team
 - REDCap notes/checklists about patient encounters
- Pre/Post-Program interviews and surveys

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RO1 Study Measures and Tools

- · Aim 2 and 3 (patients):
 - COST screener to determine level of FT
 - Patient outcomes surveys (health related QOL)
 - Financial Intake Form
 - Includes patient-specific data: Individual financial situation, employment status, monthly income, billing information, insurance status, resources, referrals and

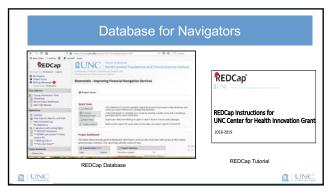
 - Initial Appointment Summary
 Re-cap of eligible benefits/referrals along with paperwork needed
 - Mid-Program Check-In Form (every 2 weeks re: progress)
 - Patient Perspective (acceptability and satisfaction) surveys
 - Patient Experience surveys

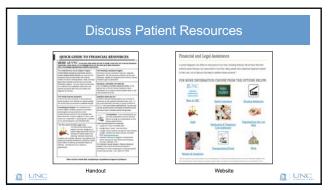
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	•			e past 7 days.	
I know that I have enough money in savings, retirement or assets to	Not at All	A little bit	Somewhat	Quite a bit	Very much
cover the cost of my treatment My out-of-pocket medical expenses are more than I thought they would	6	9.	c	c	e
I morry about the financial problems I will have in the future as a result of my library or treatment	r	9	c	c	e
I feel I have no choice about the amount of money I spend on care	.e.	c.	c.	c	.c
I am frustrated that I cannot work or contribute as much as I usually do	c	0	6	С.	c
) am satisfied with my current financial situation	c	c.	0		e
I am able to meet my monthly expenses	c	· c	0	c	.5
5 feel financially stressed		- 0	· c		
I am concerned about beeping my job and income, including work at home	0	0	e.	c	
My cancer or treatment has reduced my satisfaction with my present financial situation	.0	0		c	c
I feet in control of my financial situation	0	е.		· c	





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Study Team UNC Study Team Advisory Board Kate Gallagher, Patient Advocate Foundation Rachel A. Greenup, MD Stephanie Wheeler, PhD, MPH Donald L. Rosenstein, MD Sarah Birken, PhDCleo A. Samuel, PhD Mark Holmes, PhDJennifer Leeman, MPH, DrPH, Mdiv Katherine Reeder-Hayes, MD Catherine L. Rohweder, DrPh MDiV Michelle Manning, MPH Chris Shea, PhD Mindy Gellin, BSNNeda Padilla, BS · Patient member from each partner site · Lisa Spees, PhD Funding: NCI R01-CA240092, NCI P30-CA016086 Admin Supplement, UNC Innovation Award, ACS-Pfizer Foundation Independent Caitlin Biddell, MSPH, PhD student · Victoria Petermann, RN, PhD student Gabriel Blanchard, RN, OCN, AGNP-O student Grants for Learning and Change Jenny Spencer, PhD UNC

