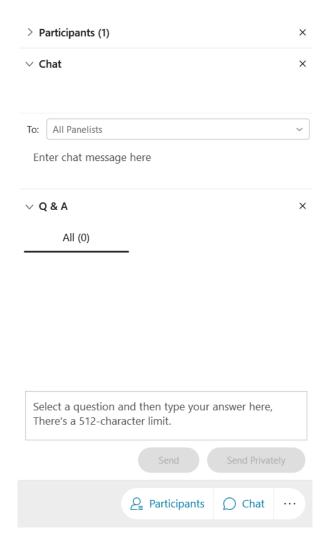


Supporting the Science of Informal Cancer Caregiving: Highlights of NCI-Funded Research

Webinar 2 – Wednesday, February 23, 2022 1 PM ET

Using WebEx and webinar logistics



- All lines will be in listen-only mode
- Submit questions at any time using the Q&A or Chat Panel and select All Panelists
- You may need to activate the appropriate box using the floating navigation panel. Found on the bottom of your screen



This webinar is being recorded

Welcome from the National Cancer Institute





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Webinar Outline



- Presentation 1: Dr. Dionne-Odom Decision Support Training for Advanced Cancer Family Caregivers: The Project CASCADE Randomized Factorial Trial
- Presentation 2: Drs. Trevino and Shen Talking About Cancer:
 Development and Evaluation of a Patient-Caregiver Communication
 Intervention to Improve Advance Care Planning Randomized Factorial
 Trial
- Presentation 3: Dr. Badger Cancer Survivors and Caregivers:
 Psychological Distress, Symptom Burden and Health Care Use
- Dr. Smith: Questions and Answers

Presenters





J. Nicholas Dionne-Odom, PhD, RN, ACHPN, FPCN, FAAN Assistant Professor School of Nursing, University of Alabama at Birmingham



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J. Nicholas Dionne-Odom, PhD, RN, ACHPN, FPCN, FAAN

Decision Support Training for Advanced Cancer Family Caregivers: The Project CASCADE Randomized Factorial Trial

Decision support training for advanced cancer family caregivers: The CASCADE factorial trial (NIH/NCI R01CA262039)

Principal Investigator:

J. Nicholas Dionne-Odom, PhD, RN, ACHPN

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THE UNIVERSITY OF ALABAMA AT BIRMINGHAM

Funded by:







Contents lists available at SciVerse ScienceDirect

Patient Education and Counseling

journal homepage: www.elsevier.com/locate/pateducou



Review

Physician-patient-companion communication and decision-making: A systematic review of triadic medical consultations

R.C. Laidsaar-Powell ^{a,*}, P.N. Butow ^a, S. Bu ^a, C. Charles ^b, A. Gafni ^b, W.W.T. Lam ^c, J. Jansen ^d, K.J. McCaffery ^d, H.L. Shepherd ^a, M.H.N. Tattersall ^e, I. Juraskova ^a

- ^a Centre for Medical Psychology and Evidence-based Decision-making
- b Department of Clinical Epidemiology and Biostatistics and Centre ^c Department of Community Medicine, School of Public Health, The
- ^d Screening and Diagnostic Test Evaluation Program (STEP), Sydney
- (CeMPED), The 60-88% of off caregivers
- ^e Department of Cancer Medicine, The University of Sydney, Sydney

actively involved triadic encounter decision-making

Original Article

The Role of Families in Decisions Regarding **Cancer Treatments**

Gabriela S. Hobbs, MD¹; Mary Beth Landrum, PhD²; Neeraj K. Arora, PhD³; Patricia A. Ganz, MD^{4,5,6}; Michelle van Ryn, PhD7: Jane C. Weeks, MD8†: Jennifer W. Mack, MD. MPH9: ar

involvement. Cancer 2015;121:1079-87. © 2015 American Cancer Society

Nearly 3-in-4 BACKGROUND: Shared decision-making is an important component of patient-centered comes. To the authors' knowledge, little is known concerning the extent and predictors patients include large, multiregional, prospective cohort study of the cancer care and outcomes of patient pants reported the roles of their families in decision-making regarding treatment. Multino patient factors associated with family roles in decisions. RESULTS: Among 5284 patients, families in sions, with the highest adjusted rates (12.8%) noted among non-English-speaking Asians. reported equally sharing decisions with family, 22.1% reported some family input, and 28 analyses, patients who were married, female, older, and insured more often reported P <.001). Adjusted family involvement varied by race/ethnicity and language, with Chi decisions speaking Hispanic (54.8%) patients equally sharing decisions with family more often than patients were least likely to report sharing decisions with family, even after adjustment for CONCLUSIONS: The majority of patients with newly diagnosed lung or colorectal cancer sions. Non-English-speaking Asians and Hispanics rely significantly on family. Further stu family involvement in treatment decisions on outcomes; until then, physicians should con

Patient Education and Counseling 100 (2017) 2172-2181

Families play critical roles in patient decision making over the entire serious illness trajectory

Contents lists available at ScienceDirect

Patient Education and Counseling

journal homepage: www.elsevier.com/locate/pateducou



Review article

Treatment decision-making in chronic diseases: What are the family members' roles, needs and attitudes? A systematic review



Kristopher Lamore*, Lucile Montalescot¹, Aurélie Un Family roles include social

Laboratory of Psychopathology and Health Processes (EA 4057), University of Paris Descartes, Sorbonne Paris Cité, 71, Aven y Edouard-Vallent, 92700.

Support, intermediaries,

ARTICLE INFO

Article history: Received 3 April 2017 Received in revised form 31 July 2017 Accepted 2 Aprilst 2017 ABSTRACT

Objective: This systematic review aims to exarCO laborators, and decision-making for adult patients without cog laborators, and participate in decision-making.

Methodology: A comprehensive, systematic search of the Cochrane Library Psycine PubMed and the Cochrane Library Psycine Psyci

AHA SCIENTIFIC STATEMENT



Self-Care for the Prevention and Management of Cardiovascular Disease and Stroke

A Scientific Statement for Healthcare Professionals From the American Heart Association

Barbara Riegel, PhD, RN, FAHA, Chair; Debra K. Moser, PhD, RN, FAHA, Vice Chair, Harleah G. Buck, PhD, RN, FAHA; Victoria Vaughan Dickson, PhD, RN, FAHA; Sandra B. Dunbar, PhD, RN, FAHA; Christopher S. Lee, PhD, RN, FAHA; Terry A. Lennie, PhD, RN, FAHA; David E. Webber, PhD; RN, FAHA; Diand E. Webber, PhD; RN, FAHA; David E. Webber, PhD; RN, FAHA; P

Family influence on decisions
cronic illness, with core elements of self-care maintenance, self-care
extends to self-care management
family based, and community based approaches to improving self-care
decisions in serious illness illness self-care and illness self-care

addressing both the prevention and management of intoring, and self-care management. In this scientific sociation mission and vision of building healthier lives, self-care behaviors such as diet and exercise, barriers wed, as is the evidence supporting various individual, though there are many nuances to the relationships ective in achieving the goals of the treatment plan and e in evidence-based guidelines. (J Am Heart Assoc.

- Qualitative study
- N=20 family caregivers, 18 patients with advanced cancer
- Identify/describe roles played by caregivers in supporting patients in decision making

OPLOS ONE

DESEABOLI ADTICLE

How family caregivers of persons with advanced cancer assist with upstream healthcare decision-making: A qualitative study

J. Nicholas Dionne-Odom_©^{1,2*}, Deborah Ejem¹, Rachel Wells¹, Amber E. Barnato³, Richard A. Taylor¹, Gabrielle B. Rocque², Yasemin E. Turkman¹, Matthew Kenny¹, Nataliya V. Ivankova^{1,4}, Marie A. Bakitas^{1,2}, Michelle Y. Martin⁵

- Information seeker
- Shared understanding facilitator
- Values and illness understanding discussant
- "What if" scenario poser
- Collateral decisions (e.g., work)
- Decision point identifier
- Surrogate decision-making

Funding: National Palliative Care Research Center



2⁴ full factorial optimization trial design

Purpose

Test components of a decision support training intervention (CASCADE: CAre Supporters Coached to Adept DEcision partners) for family caregivers of persons with newly-diagnosed advanced cancer.

Design

2⁴ full factorial design testing individual decision partnering training components: 1) coaching on effective decision support principles; 2) decision support communication training; 3) Ottawa Decision Guide training and 4) monthly follow-up

What is Project CASCADE?

Goal is to increase caregivers' skills in providing effective decision support to patients



Family caregivers and patients with newly diagnosed cancer

FAMILY GUIDE AND TOOLKIT

Project CASCADE

Helping family support



1-5 coaching sessions using CASCADE Toolkit (20-30 minutes)



There are 4 components being tested as part of the CASCADE package

Coaching on how to be an effective source of decision support

1 session VS 3 sessions

Decision support communication skills training

1 session VS No sessions

Ottawa Decision Guide training

1 session VS No sessions

Monthly follow-up calls

1 monthly f/u call VS Monthly calls for 24 weeks

Coaching on Providing Decision Support: Single Session

- Express appreciation, orient to the program
- Decision making in serious illness and the role of family
- Delivering effective social support

Session 1

- Express appreciation, orient to program
- Decision making in serious illness and the role of family
- Making decisions about cancer treatment

Session 2

- Principles of social support effectiveness
- Delivering effective social support

Session 3

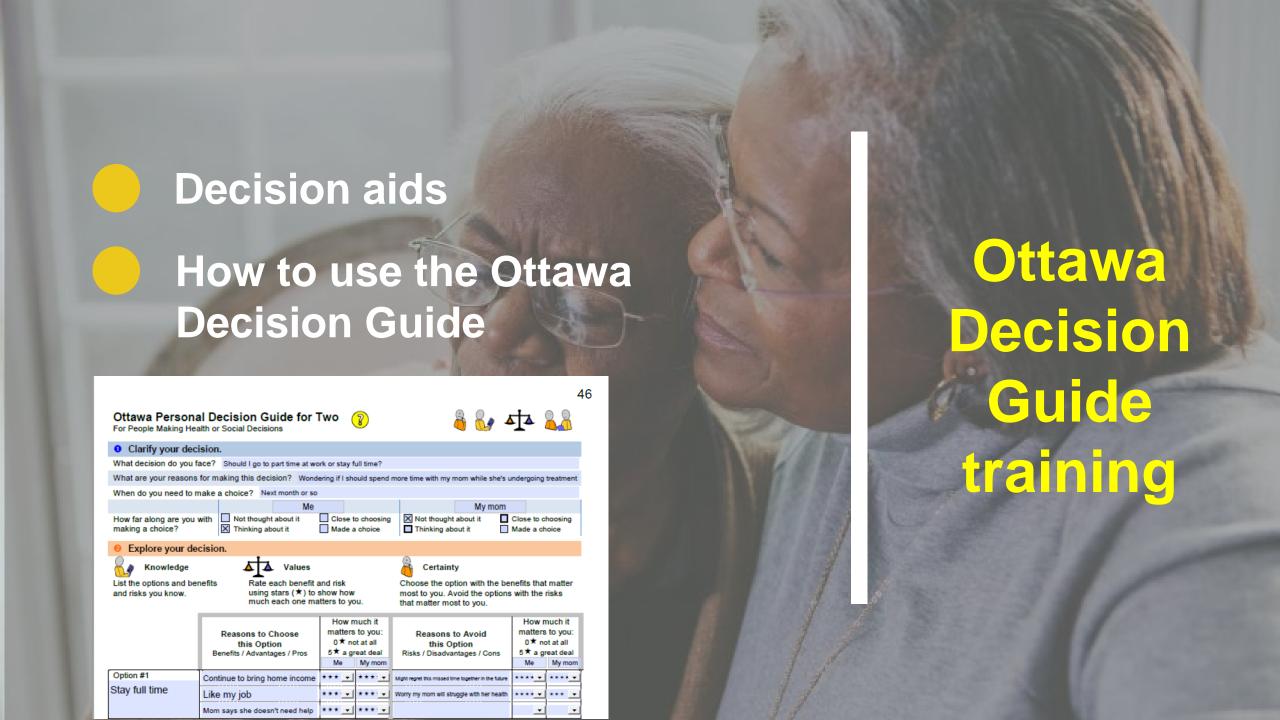
- Recognizing the role of values
- Advance directives/being a health care proxy

Coaching on Providing Decision Support: 3-Session Version

Decision support communication training

- Why communication is hard when facing decisions in cancer
- Listening skills

Expressing oneself effectively



Monthly Follow up calls

- Ask how last month has been, any new decisions faced, provide action planning support
- Reinforce prior session content
- Follow up on prior action plans

Improving my Decision Support Skills

One thing I want to get better at is:

Why does getting better at this goal matter?

What would happen if you didn't reach this goal?

On a scale of 1 to 10, with 1 being "not confident" and 10 being "highly confident," how confident are you that you will reach your goal?

What are the biggest challenges to reaching this goal?

Over the next week, I will:

What needs to happen this week to work towards your goal? Ask yourself: what, when, who, where, how? How will you remind yourself of what needs to happen?

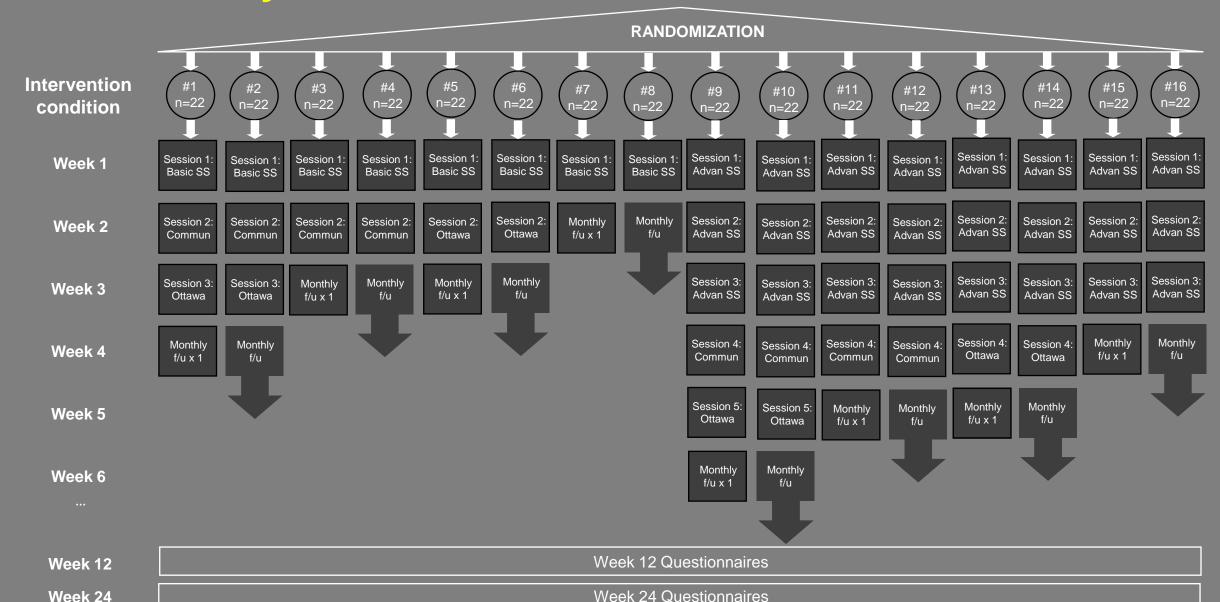


2⁴ factorial trial design

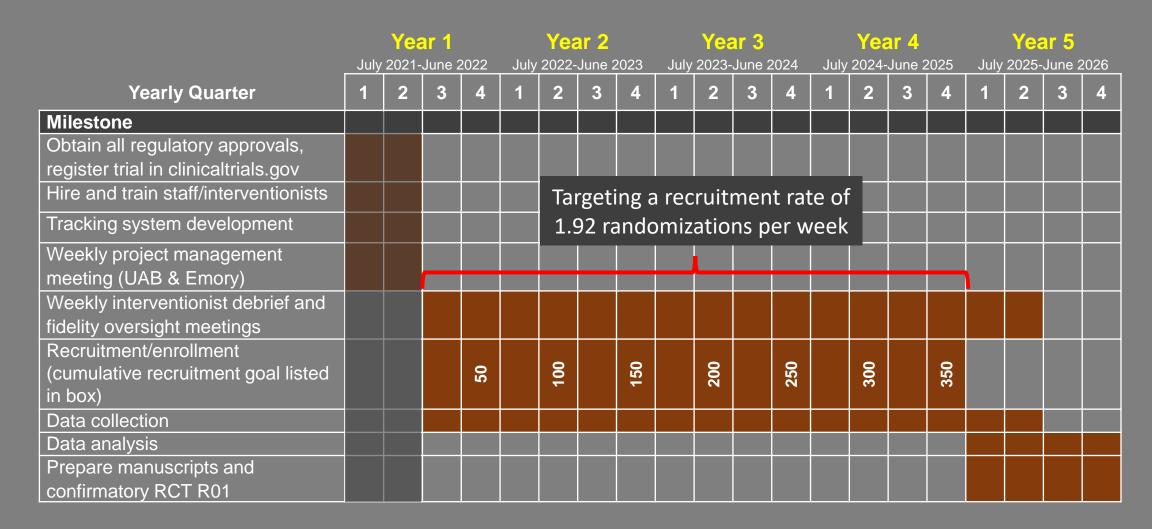
				Monthly Follow-	
	Decision support	Decision	Ottawa	up calls	
	effectiveness	support	Decision	(1 call vs.	
	coaching	communication	Guide	monthly for the	
	(1 session vs. 3	training	training	24 week	<i>n</i> per
Condition	sessions)	(Yes vs. No)	(Yes vs. No)	timeframe)	condition
1	1 session	Υ	Υ	1 call	n=22
2	1 session	Υ	Υ	monthly	n=22
3	1 session	Υ	N	1 call	n=22
4	1 session	Υ	N	monthly	n=22
5	1 session	N	Υ	1 call	n=22
6	1 session	N	Υ	monthly	n=22
7	1 session	N	N	1 call	n=22
8	1 session	N	N	monthly	n=22
9	3 sessions	Υ	Υ	1 call	n=22
10	3 sessions	Υ	Υ	monthly	n=22
11	3 sessions	Υ	N	1 call	n=22
12	3 sessions	Υ	N	monthly	n=22
13	3 sessions	N	Y	1 call	n=22
14	3 sessions	N	Υ	monthly	n=22
15	3 sessions	N	N	1 call	n=22
16	3 sessions	N	N	monthly	n=22

Overall study flow

Screen, approach, consent, and have participants complete baseline questionnaires by mail (Target N=352 family caregivers & 352 patients



Timeline



Timeline



Thank you to...

Project CASCADE Co-Investigators, Collaborators, Students

Dio Kavalieratos, PhD (Emory Site-PI, CASCADE)
Marie Bakitas, DNSc, NP-C
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Funding: National Cancer Institute (R01CA262039)

O'NEAL COMPREHENSIVE CANCER CENTER

THE UNIVERSITY OF ALABAMA AT BIRMINGHAM





Kelly Trevino, PhD Megan J. Shen, PhD

Talking About Cancer: Development and Evaluation of a Patient-Caregiver Communication Intervention to Improve Advance Care Planning

Talking About Cancer (TAC): Development and initial pilot testing of a communication-based intervention to improve engagement in advance care planning among cancer patients and their caregivers

Supporting the Science of Informal Cancer Caregiving: Highlights of NCI-Funded Research

National Cancer Institute

Megan J. Shen, PhD & Kelly M. Trevino, PhD

(R21-CA224874Z)

February 23, 2022

Introduction

- Advanced cancer patients who understand their prognosis are more likely to:
 - Engage in advance care planning
 - Prefer comfort over aggressive care
 - Receive preference-concordant care
 - Die in their preferred location (home)
- Caregivers are integral to end-of-life care decision making
 - Caregivers may have a more accurate understanding of prognosis than patients

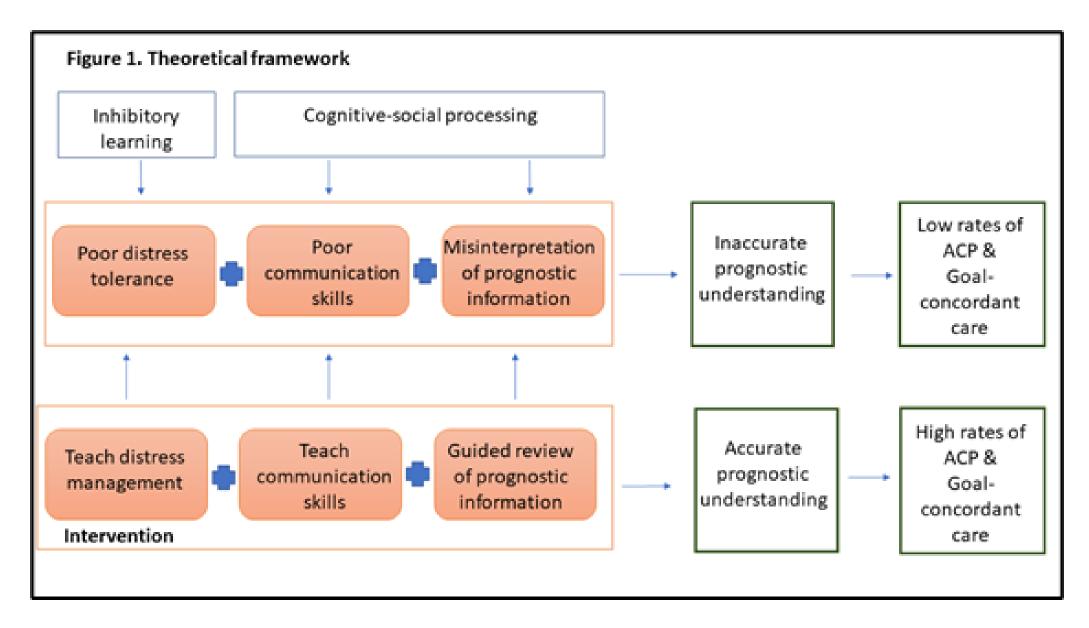
Patient-caregiver dyads' prognostic understanding and associations with DNR order completion (N=279 dyads)

	n (%)	% DNR Order "Yes"
Patient-Caregiver Prognostic Understanding	χ²=21.27, p=.000	
Patient and caregiver have prognostic understanding	60 (27.8%)	70.7%
Neither patient or caregiver have prognostic understanding	96 (44.4%)	36.3%
Only patient has prognostic understanding	21 (9.7%)	38.9%
Only caregiver has prognostic understanding	39 (18.1%)	31.6%

Note. Prognostic understanding is defined as estimating life expectancy as ≤ 12 months

Introduction

- Communication may improve prognostic understanding
- Patient-caregiver communication is limited
 - Over three-quarters (77%) of patient-caregiver dyads do not discuss prognosis or treatment
 - 92% of family members thought about the patient's death; 78% had not discussed this with the patient
- Barriers to communication
 - Distress around discussing end-of-life care topics
 - Concern about burdening loved ones



Specific Aims

- **Aim 1**: To develop a communication-based intervention (Talking About Cancer; TAC) to improve advanced cancer patients' and caregivers' prognostic understanding and engagement in advance care planning.
- Aim 2: To evaluate the feasibility and acceptability of TAC among advanced cancer patients and their caregivers.
- **Aim 3**: To test the pre-post impact of TAC on patient and caregiver prognostic understanding and completion of DNR order, living will, and health care proxy forms.

Methods: Overview

Phase 1:

Intervention modification



Phase 2:

Single arm open trial

Methods: Eligibility Criteria

Patient eligibility criteria:

- Diagnosis of poor prognosis advanced cancer (i.e., locally advanced or metastatic cancer and/or disease progression following at least first line chemotherapy)
- 2. Identification of an informal caregiver
- 3. Oncologist reported discussion of prognosis with the patient and/or caregiver
- 4. Not currently receiving hospice

Caregiver eligibility criteria:

 The person whom the patient indicates provides their informal (unpaid) care

Dyads in which both members had accurate understanding of prognosis (terminal status and life-expectancy) were excluded.

Provider eligibility requirements (Aim 1):

- 1. Current clinical practice and/or research with advanced cancer patients
- 2. A history of 5+ years working with advanced cancer patients.

Phase 1 Methods

- Conducted semi-structured interviews to get feedback on the intervention from key stakeholders (n=57 participants)
 - n=19 advanced cancer patients
 - n=17 caregivers
 - n=21 experts working with advanced cancer patients
- Demographics
 - Race: 1.8% Asian, 4.6% unknown race; 5.2% more than one race, 31.5% Black or African American, 53.5% White
 - Ethnicity: 29.8% Hispanic/Latinx
 - Gender: 30.9% male, 69.1% female (*No other gender identities reported)
- Modified manual based on feedback

Phase 1 Results: Themes from Interviews

Themes that emerged from interviews	Manual modifications made	
Cognitive restructuring too complex and confusing	Removed content	
Too much information/overwhelming content	Reduced content and restructured into simpler graphs and charts	
Need for increasing relevance of materials for those who do not worry about cancer	Made case studies and material more broadly applicable to those with and without worry	
Add additional information to vignettes	Added additional information and relevant content to vignettes	
Repetition/overlap in modules	Removed redundancy and shortened modules	
Confusing instructions for some of the exercises	Simplified instructions and removed irrelevant or complex exercises	
Advance care planning materials were too vague/not specific enough	Added additional module focusing exclusively on advance care planning	

Phase 1 Results: Modified TAC

Session	Content		
Session 1:	Intervention overview and		
Managing distress (Individual)	introduction to distress management		
Session 2:	Distress management techniques to use together (as a dyad)		
Managing distress together (Dyad)			
Session 3:	Basic communication strategies		
How to communicate (Individual)	Dasic commonication strategies		
Session 4:	Communication around cancer as a dyad		
Communicating with your loved one (Dyad)			
Session 5:	Discussion of prognostic information and distress management		
Communicating about cancer (Dyad)			
Session 6:	Discussing prognostic information and advance care planning		
Advance care planning (Dyad)			
Session 7:	Wrap up and anticipation/planning		
Planning for the future (Dyad)	for future difficult conversations		

Baseline survey

| Delivery of intervention | Survey | (Approximately 7 days post-intervention) | Post-intervention | Survey | (Approximately 7 days post-intervention) | Post-intervention | Survey | (Approximately 7 days post-intervention) | Post-intervention | Survey | (Approximately 7 days post-intervention) | Post-intervention | Survey | (Approximately 7 days post-intervention) | Post-intervention | Survey | (Approximately 7 days post-intervention) | Post-intervention | Survey | (Approximately 7 days post-intervention) | Post-intervention | Survey | (Approximately 7 days post-intervention) | Post-intervention | Survey | (Approximately 7 days post-intervention) | Post-intervention | Post-interve

Phase 2 Methods: Overview

Phase 2 Measures

- Feasibility
 - Intervention session completion rates
- Acceptability
 - Ratings of helpfulness, difficulty, and overall satisfaction (liking the intervention)
- Engagement in advance care planning
 - Formally asked someone to be a medical decision maker
- Completion of advance directives (ADs)
 - Living will
 - Healthcare proxy (HCP) form
 - DNR order

Phase 2 Results

- N=21 dyads enrolled in TAC (n=42 participants)
 - n=21 dyads completed baseline measures
 - n=17 dyads started intervention (at least 1 session)
 - n=15 dyads partially completed the intervention (2+ sessions)
 - n=10 dyads completed the intervention (all 7 sessions)
 - n=12 dyads with pre/post data

- Sample characteristics
 - Race: 4.7% Asian, 33.4% white, 61.9% African American
 - Ethnicity: 28.6% Hispanic/Latinx
 - Gender: 47.6% male, 52.4% female

Phase 2 Results: Feasibility and Acceptability

- Caregivers' ratings of the intervention (n=11 with post-intervention data):
 - Helpfulness (1 to 5 Likert-scale)
 - n=7 (63.6%) rated TAC as "5 = very helpful"
 - n=3 (27.3%) rated as "4"
 - n=1 (9.1%) rated as "3 = Moderately helpful
 - Difficulty
 - n=10 (90.9%) rated TAC as "1 = not at all difficult" to understand
 - Satisfaction rating
 - n=10, 90.9% reported liking participating in the intervention

Phase 2 Results: Feasibility and Acceptability

- Patients' ratings of the intervention (n=13 with post-intervention data):
 - Helpfulness (1 to 5 Likert-scale)
 - n=11 (84.6%) rated TAC as "5 = very helpful"
 - n=2 (15.4%) rated as "4"
 - Difficulty
 - n=8 (61.5%) rated TAC as "1 = not at all difficult" to understand
 - Satisfaction rating
 - n=12 (92.3%) reported liking participating in the intervention

Phase 2 Results: Pre-Post Effect

- Patient prognostic understanding (life expectancy; n=11)
 - Pre:
 - Months: n=o (o%)
 - Years: n=11 (100%)
 - Post:
 - Months: n=1 (9.1%)
 - Years: n=10 (90.9%)
- Caregiver prognostic understanding (life expectancy; n=12)
 - Pre:
 - Months: n=o (o%)
 - Years: n=12 (100%)
 - Post:
 - Months: n=1 (8.3%)
 - Years: n=9 (75%)
 - Don't know: n=2 (16.7%)

Phase 2 Results: Pre-Post Effect

- "Have you formally asked someone to be your medical decision maker?" (n=12 patients)
 - Pre:
 - Yes: n=9 (75%)
 - No: n=3 (25%)
 - Post:
 - Yes: n=10 (83.4%)
 - No: n=1 (8.3%)
 - Missing: m=1 (8.3%)

Phase 2 Results: Pre-Post Effect

Completion of DNR order

- Pre:
 - Yes: n=1 (8.3%)
 - No: n=10 (83.3%)
 - Don't know: n=1 (8.3%)
- Post:
 - Yes: n=4 (33.3%)
 - No: n=8 (66.6%)

Signing a living will

- Pre:
 - Yes: n=2 (16.7%)
 - No: n=9 (75.0%)
 - Don't know: n=1 (8.3%)
- Post:
 - Yes: n = 3 (25.0%)
 - No: n=6 (50.0%)
 - Don't know: n=3 (25.0%)

Signing a health care proxy form

- Pre:
 - Yes: n=5 (41.7%)
 - No: n=6 (50.0%)
 - Don't know: n= 1 (8.3%)
- Post:
 - Yes: n=7 (58.3%)
 - No: n=4 (33.3%)
 - Don't know: n=1 (8.3%)

Discussion

- TAC is a feasible and acceptable intervention
- TAC is associated with increased engagement in advance care planning and HCP form completion
- Study strengths
 - Time-limited intervention
 - Remotely delivered
 - Racial and ethnic minority sample
- Limitations
 - Pre-post design
 - Unknown impact of COVID-19 pandemic
- Next steps
 - Multi-site randomized controlled trial
 - Examination of impact of TAC on end-of-life care

Thank You

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Cancer Survivors and Caregivers: Psychological Distress, Symptom Burden and Health Care Use

Cancer Survivors and Caregivers: Psychological Distress, Symptom Burden and Health Care Use

Terry Badger, PhD, RN, PMHCNS-BC, FAPOS, FAAN Eleanor Bauwens Endowed Chair and Professor

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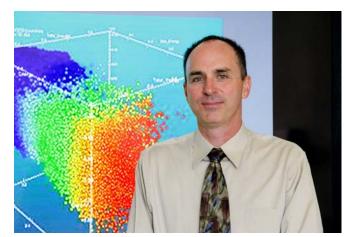
Funding: Improving Informal Caregivers' and Cancer Survivors' Psychological Distress, Symptom Management and Health Care Use (R01 CA224282), NCI.







Symptoms, Health, INnovations, Equity (SHINE)



Dr. Chris Segrin



Dr. Tracy Crane



Dr. Echo Warner

Dr. Pavani Chalsani



Dr. Alla Sikorskii



Dr. Jessica Rainbow

Figure 2. Conceptual framework

Mediators:

- Self-efficacy (dyad)
- Social support: informational and emotional (dyad)
- Caregiver Burden

Interventions for caregivers and survivors

- Symptom
 Management and
 Survivorship
 Handbook (SMSH)
- Telephone Interpersonal Counseling (TIP-C)

Moderators (to be explored in Aim 4):

- Sociodemographic & Illness
 Characteristics
- Intervention receipt & enactment

Survivor symptoms

- Depression
- Anxiety
- Other

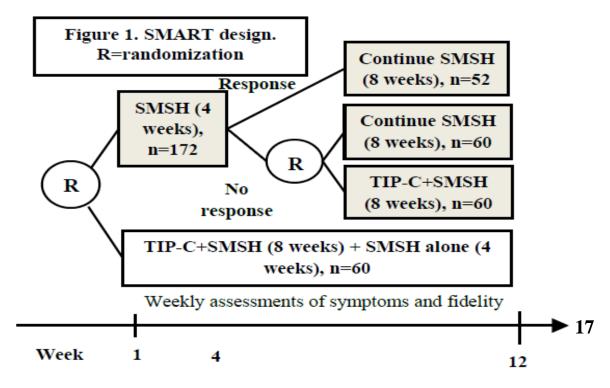
Caregiver Symptoms

- Depression
- Anxiety
- Other

Survivor health services use

Caregiver health services use

Sequential multiple assignment randomized trial (SMART) design



Participants are randomized into two conditions at baseline 8-week TIPC or SMSH (Handbook)

Randomized again based on depression and anxiety after 4 weeks of Handbook into TIPC+Handbook or continue with Handbook.

Allow for **precision approach**, better able to determine who benefits, best dose, timing

Aims

- 1. Determine if dyads in the TIP-C+SMSH as compared to the SMSH alone group created by the first randomization will have: a) lower depression, anxiety, and summed severity of 13 other symptoms (primary outcomes; b) lower use of healthcare services (secondary outcomes); c) greater self-efficacy, social support, and lower caregiver burden (potential mediators).
- 2. Among non-responders to the SMSH alone after 4 weeks, determine if dyads in TIPC+SMSH as compared to the SMSH alone group created by the second randomization will have better primary and secondary outcomes.
- 3. Test the interdependence in survivors' and caregivers' primary and secondary outcomes.
- 4. Determine which characteristics of the dyad are associated with responses to determine tailoring variables for the decision rules of individualized sequencing of interventions in the future.

Telephone Interpersonal Counseling (TIPC)

TIPC is based on interpersonal psychotherapy.

Delivered by Master's prepared social workers who use interpersonal communication techniques to focus on depression, anxiety, and interactions between the participant and others.

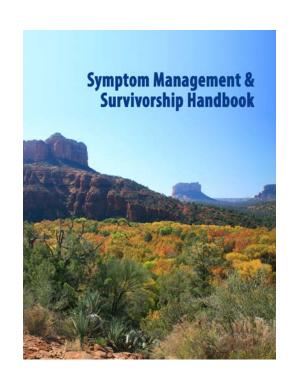
In English and Spanish based on participant preference

8-counselling sessions (one per week for about 30 minutes) address:

- mood and affect management
- emotional expression
- interpersonal communication and relationships
- social support
- follow-up, resources and referral to resources (e.g., financial)

Symptom Management & Survivorship Handbook (SMSH)

- Each symptom has its own chapter, defining the symptom, how typically the symptom is described, strategies for self management, when to talk with provider, what to report or discuss, more information, and references
- Each week, participant called in English or Spanish and symptoms assessed and referred to appropriate chapter, the following week assess use of strategies and whether successful
- About 10-15 minutes



Numbness & Tingling **Fever Constipation** Diarrhea Headaches Nausea **Mouth Sores Lack of Appetite** Pain **Shortness of Breath** Depression Joint / Muscle Pain Weakness **Disturbed Sleep Skin Sores** Skin Rash Swelling of Hands and Feet

Survivorship Guidelines

Screening and Surveillance

Vaccinations.

Survivorship Care Plan

Healthy Behaviors for a Healthier Life

Maintain a Healthy Weight.

Eating Healthy

Physical Activity

Strategies for Increasing Steps

Tobacco

Alcohol

Sun

Baseline Sample: 380 Dyads plus 20 individual survivors; Total N=400 survivors

Survivors have mean age 59.87 years of age, with 5 chronic conditions (including cancer), 59% married and living with the caregiver.

78% female

42% are Hispanic

Half had a high school education or less with only 19% employed either full or part-time.

Incomes under \$39,900 for 57%, incomes barely or did not meet their needs.

91% had health insurance; majority thru Medicare or Medicaid

50% of the sample had breast cancer, and 44% had metastatic disease.

Sample (Total N= 396 Caregivers)

Caregivers had mean age of 54.21 years, with 3.7 comorbid conditions, 64% married.

45% of the caregivers are Hispanic

Spouses comprised 42% of caregivers, followed by daughters (20%)

30% had a high school education or less with 47% employed either full or part time.

57% had incomes under \$39,900; income barely or did not meet their needs for 48%

Majority had health insurance by Medicare and/or current employer

Next Steps

- Currently have about 40 dyads in protocol with target completion in early April
- Begun analysis of baseline data
- Longitudinal analysis after dyads complete protocol
- Future research: currently second randomization is based on response to SMSH on depression and anxiety; two consecutive weeks may be key in the future
- Testing of automated symptom management assessments and referral to Handbook

Questions?



Please type your questions in the Q & A section on WebEx

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