

Redesigning communication in Duke Health

www.DukePalliativeCare.org www.goalconcordant.care



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Journal of Palliative Medicine, Vol. 18, No. 11 | Original Articles



The Impact of Inpatient Palliative Care Consultations on 30-Day Hospital Readmissions

Nina R. O'Connor, Mary E. Moyer, Maryam Behta, and David J. Casarett 🖂

Published Online: 28 Oct 2015 | https://doi.org/10.1089/jpm.2015.0138

ORIGINAL INVESTIGATION

Health Care Costs in the Last Week of Life

Associations With End-of-Life Conversations

Baohui Zhang, MS; Alexi A. Wright, MD; Haiden A. Huskamp, PhD; Matthew E. Nilsson, BS; Matthew L. Maciejewski, PhD; Craig C. Earle, MD; Susan D. Block, MD; Paul K. Maciejewski, PhD; Holly G. Prigerson, PhD

VOLUME 30 · NUMBER 35 · DECEMBER 10 2012

JOURNAL OF CLINICAL ONCOLOGY

ORIGINAL REPORT

Associations Between End-of-Life Discussion Characteristics and Care Received Near Death: A Prospective Cohort Study

Jennifer W. Mack, Angel Cronin, Nancy L. Keating, Nathan Taback, Haiden A. Huskamp, Jennifer L. Malin, Craig C. Earle, and Jane C. Weeks



Journal of the American Medical Directors
Association

Volume 20, Issue 3, March 2019, Pages 249-261



End-of-Life Care

Association Between End-of-Life Conversations in Nursing Homes and Endof-Life Care Outcomes: A Systematic Review and Meta-analysis

Silvia Gonella RN, MSc ^{a, b} & Ø, Ines Basso RN, MSc ^c, Valerio Dimonte RN, MSc, MLitt ^{b, c}, Barbara Martin MLitt ^d, Paola Berchialla PhD ^e, Sara Campagna RN, PhD ^e, Paola Di Giulio RN, MSc ^c

Original Contribution

October 8, 2008

Associations Between End-of-Life Discussions, Patient Mental Health, Medical Care Near Death, and Caregiver Bereavement Adjustment

Alexi A. Wright, MD; Baohui Zhang, MS; Alaka Ray, MD; et al

» Author Affiliations | Article Information

JAMA. 2008;300(14):1665-1673. doi:10.1001/jama.300.14.1665



Journal of Pain and Symptom Management

Volume 58, Issue 5, November 2019, Pages 864-870



Brief Repor

Pilot Study to Improve Goals of Care Conversations Among Hospitalists

Kathryn I. Pollak PhD a, b & 🖾, Xiaomei Gao MA a, Jessica Beliveau MPH c, Brian Griffith MD c, Danielle Kennedy MPH a, David Casarett MD a, c

Goals of care communication



- We need more communication <u>among</u> team <u>members</u> about a patient's goals, preferences, and prognosis
- We need more/better communication with patients and families

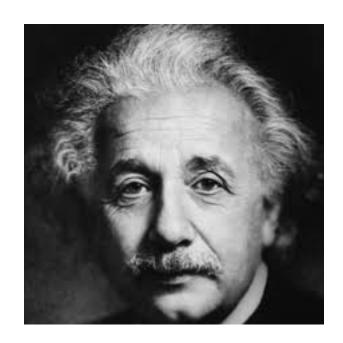


How?



"We can't solve problems by using the same kind of thinking we used when we created them."

-Albert Einstein



Design thinking



Psychology

Social psychology

Implementation science

Education

"Design thinking is a human-centered approach to innovation that draws from the designer's toolkit to integrate the needs of people, the possibilities of technology, and the requirements for [business] success." —Tim Brown

Human factors

Engineering

Anthropology

2) Creating solutions: Design thinking



Design thinking encompasses processes such as context analysis, problem finding and framing, ideation and solution generating, prototyping, testing, and evaluation. (Nigel Cross)

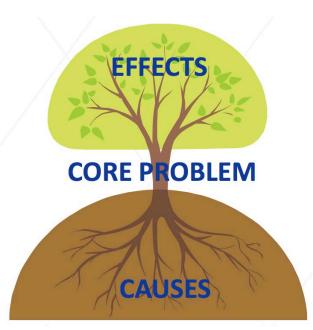


One example of design thinking



Treatment that is inconsistent with goals

People with serious illnesses often don't have open and honest conversations about their disease, prognosis, and goals



- 1. Patients are reluctant to discuss "bad news"
- 2. Providers don't want patients to think they're "giving up"
- 3. Providers don't know how to discuss goals
- 4. Other team members not empowered to facilitate conversations
- 5. etc

Design thinking is well-suited to:



- 1. ('Interdisciplinary' problems)
- 2. Problems that are "hidden in plain sight"
- 3. 'Wicked' problems

2. A problem "hidden in plain sight"

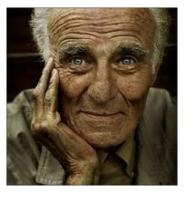


Problems that are so longstanding and diffuse that they've become tolerated, accepted, and part of everyday life.









3. A 'wicked' problem



Problems that are highly complex, with many interdependent causes.

#8: Every cause you discover is the symptom of another cause





How might we ensure that all Duke Health patients with serious illness have a chance to have a conversation about their goals?

Unpacking a wicked problem



Who should have a conversation?

When?

Which patient?

How do I have a conversation?



Why are conversations important?

Why should I have a conversation with this patient, right now?

What should I say?



7 examples of how design thinking has guided Duke Health efforts to improve GoC communication

#1: Put knowledge in the world







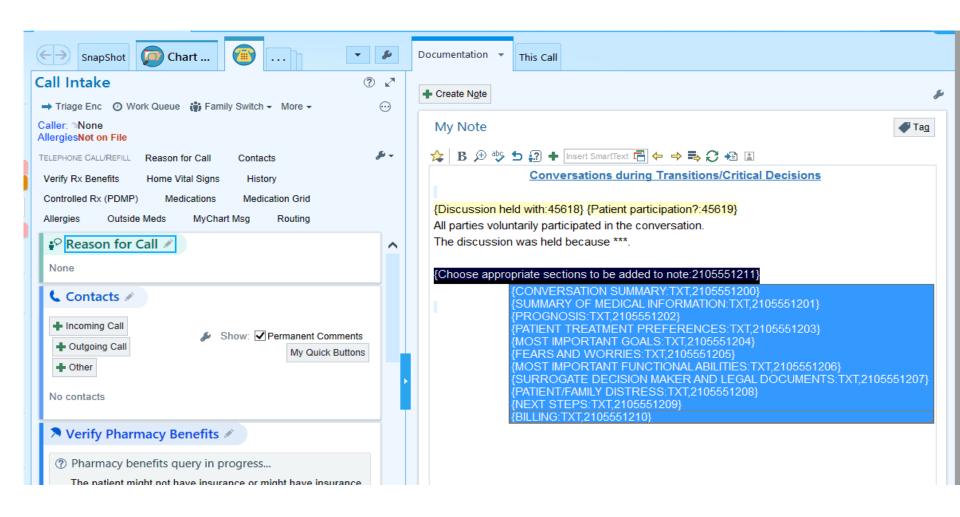




Duke GoC templates



.goalscritical/.goalsuniveral/.goalspediatric



Just-in-time GoC video library



www.goalconcordant.care

Duke Sites Page

- Host videos and resources for all Duke clinicians
- Targeted video collections for specialty areas

Video Library





Hospice







Video Library

Documents





Pediatric

Advance Care Planning

Specialties



Palliative Care

Heart Center

Duke CARES

Conversations Anchored in Respect, Evidence, and Shared decision-making

Documentation Tools

Bookends: .acpbegin/.acpend Universal GOC: .goalsuniversal Critical Decisions GOC: .goalscritical Pediatric GOC: .goalspediatrics

Education





Badge Buddy

QR code technology links clinicians to videos available on computer or smartphone

#2: Give location/status updates













Prognosis: Machine learning models





- Hospital medicine
- 9300
- 9100
- Gyn Onc

#2A: Exploit "withered technology"





Gunpei Yokoi, Nintendo CEO

Withered technology: Serious illness BPA*



- Advanced heart failure
- Metastatic cancer
- Liver failure
- Kidney failure
- Neuro-degenerative disease
- Limb amputation and PVD
- Moderate/severe protein-calorie malnutrition

#3 Workarounds point to solutions









Need for better GoC communication among clinicians



Epic post-it notes

Palliative care consults

Signouts/handoffs

Verbal handoffs/shift change reports

Solution: MaestroCare ACP tab



Advance Care Planning Notes

Create ACP Note &

Date of Service		Author	Author Type
09/30/21 1141	Addend 🗖	Casarett, David Jonathan, MD	Physician
09/29/21 0357	Addend 🗖	Snow, Sarah Cebron, MD	Resident
09/28/21 1824	Addend #	Patel, Pooja Roopesh, MD	Resident

#3A: Design for extremes







Fast GoC communication among clinicians



Advance Care Planning Notes

Create ACP Note &

Date of Service 09/30/21 1141 Addend €		Author Casarett, David Jonathan, MD	Author Type Physician
09/29/21 0357	Addend 🗖	Snow, Sarah Cebron, MD	Resident
09/28/21 1824	Addend 🚜	Patel, Pooja Roopesh, MD	Resident



Code: DNAR

Advance Care Planning: Yes



COVID-19 Vaccine: Overdue

for dose 3

COVID-19: Has Labs

Isolation: None



#4: Design for the think/do gap





Make the GoC think/do gap visible



Drill Down Dashboard

Column 1 Author Name	Column 2 ▼ Author Name			ACP in Last X Months of Life Target 6					
Drill Down Table									
Column 1	F	Patients	ACP Note Patients	% Patients = w/ ACP	Provider Documented ACP Note Patients	% Provider Documented ACP	Deaths	ACP Completed w/in Target	% ACP Completed w/in Target
CASARETT, DAVID JONATHAN		93	82	88%	69	74%	52	48	92%

- % of my patients who have a GoC note (by anyone)
- % of my patients for whom I wrote a GoC note
- % of my patients with a GoC note in the last 6 months of life

#5: Design for people's needs

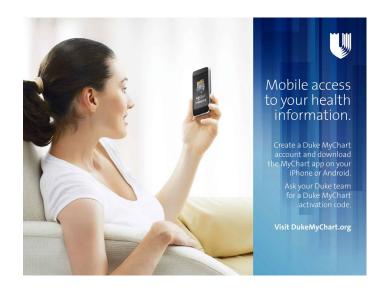




Patient-Initiated Note about Goals (PING)



- Duke Health Patientinitiated Note about Goals (PING):
 - Brief (2-3 minutes)
 - Triggered/prescribed
 - Results to inbox
 - "Would you like to talk to your health care team?"





GoC and design thinking



- 1. Put knowledge in the world
- 2. Let people know where they are
 - Exploit withered technology
- 3. Workarounds point to solutions
 - Design for the edges
- 4. Design for the think/do gap
- 5. Design for people's needs



Successes

Progress: GoC notes in the last 6 months of life





