How Can Technology Better Support Spiritual Care?

Guidance and Future Innovations for Spiritual Care in the Aftermath of the COVID-19 Pandemic

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Learning Objectives

[Part I] Describe prerequisites of *online*

spiritual support

[Part II] Discuss best practices for

helping patients to utilize online

spaces for spiritual support

[Part III] Compare and contrast future

tech possibilities for spiritual

care after COVID-19



Pulse Check: Who's here on Zoom?!

Please complete this brief google form: https://bit.ly/SCA-intro

Responses will be anonymously displayed to the group in just a moment.

We invite your continual participation during the workshop!

- Ask questions for the organizers in the Q&A feature on Zoom
 - We'll answer them at the end of each section, as time allows
- Discuss your reflections and ideas in the Chat feature on Zoom

Introductions



Website | <u>@EstelleSmithPhD</u> c.estelle.smith@colorado.edu

Current: Postdoc, CU Boulder, Info. Science [Now on faculty job market]

Prior: PhD in Computer Science (Dec. 2020, MN)

Diss. topic: Computational Spiritual Support

Recommended publication:

What is Spiritual Support and How Should It Impact the Design of Online Communities? (2021)



Website | @diana_freed dlf92@cornell.edu

Current: PhD Candidate, Cornell, Info. Science [faculty job market June, 2022]

Prior: MS in Information Science -Cornell; Clinical and counseling psychology-Columbia University

Research: Digital Health, Privacy and Security, Human-Computer Interaction, Technology-facilitated Youth Interpersonal Violence and Intimate Partner Violence



Susan O'Conner-Von | Website ocon0025@umn.edu

Current: Professor, School of Nursing; Academy of Distinguished Teachers, University of Minnesota

Prior: Estelle's PhD Co-Advisor at MN

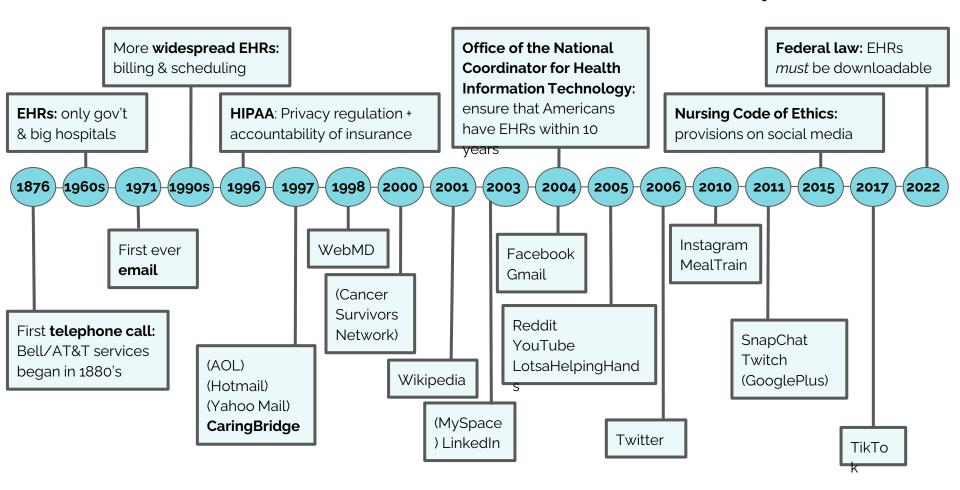
Research & Practice Areas: Palliative and end of life care, spiritual care, pediatric pain management.

CaringBridge & University of Minnesota Research Collaboration since 2015





Evolution of Tech Platforms & Health Policy



Ecosystems of Tech

Patient-Centric

Known Identity

Journaling:

- CaringBridge
- CarePages

Coordinating support:

- GoFundMe
- Lotsahelpinghands
- MealTrain

General Social Media

Known Identity

Personal:

- Facebook
- Instagram
- TikTok

Professional:

- Twitter
- LinkedIn

[Pseudo] Anonymous

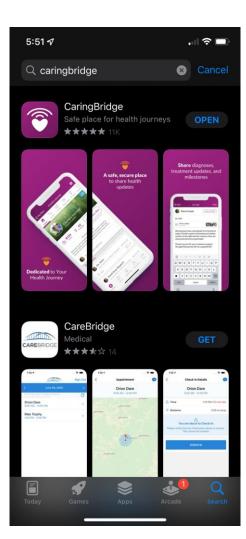
Patient-Specific Platforms:

- PatientsLikeMe
- Cancer Survivors
 Network

Niche Communities on Larger Platforms:

Reddit (e.g., r/breastcancer)

App Store











About Us

How It Works

Start A Site

Resources

O Search



April 22, 2015

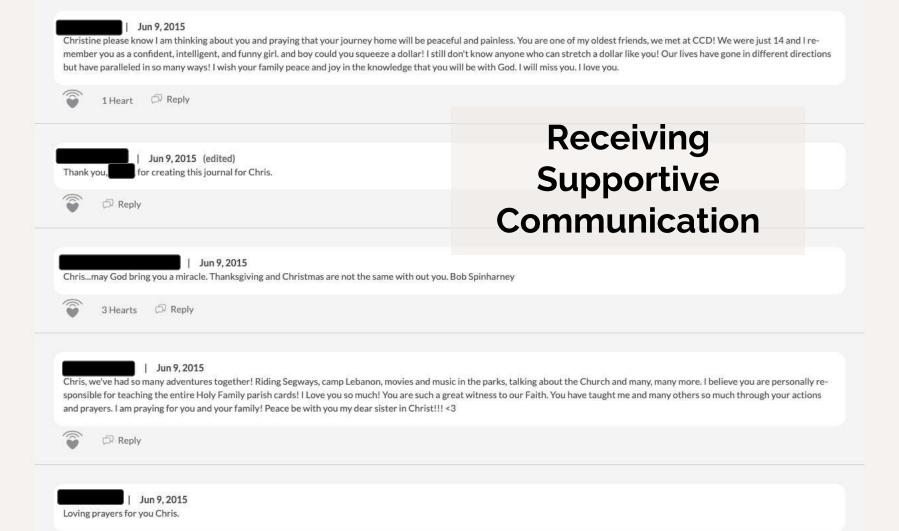
– Apr 22, 2015

Sharing Health Updates with Community

Welcome to the Caring Bridge site for our friend and sister in Christ, Chris.

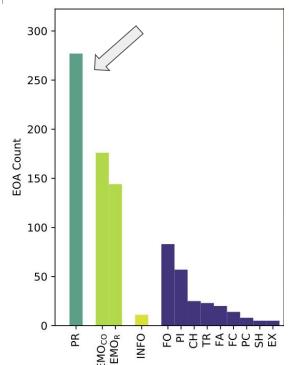
I haven't done this before, so if you have any advise for me, let me know!

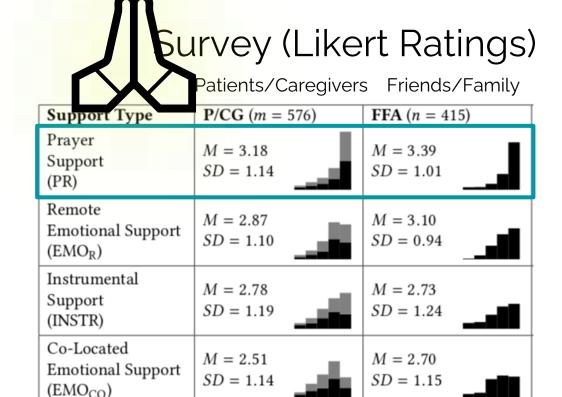
In March, Chris became sick with abdominal pain and it was discovered that she had a mass on her uterus. She was refered to a specialist in St Paul to remove the tumor at the end of March. The cancer was identified as an Endometrial Stromal Sarcoma. Within a week, she was back in the hospital with complications from the surgery and it was noted that there were some nodules on the base of her lungs. She had further imaging, and biopsy showed that the sarcoma had spread to lungs making this a stage 4 high grade type of cancer. Her doctor was quite concerned because she had 2 separate CT's of the abdomen and pelvis (which includes the base of the lungs) about 3 weeks apart. The second scan showing nodules which were not there previously.



Expressions of

Appreciation





M = 1.88

SD = 1.37

M = 2.26

SD = 1.23

Informational

Support

(INFO)

Spirituality

is the aspect of humanity that refers to the way individuals seek and express meaning and purpose, and the way they experience their connectedness to the moment, to self, to others, to nature, and to the significant or sacred.

Participatory Design Workshops

CaringBridge Stakeholder Groups

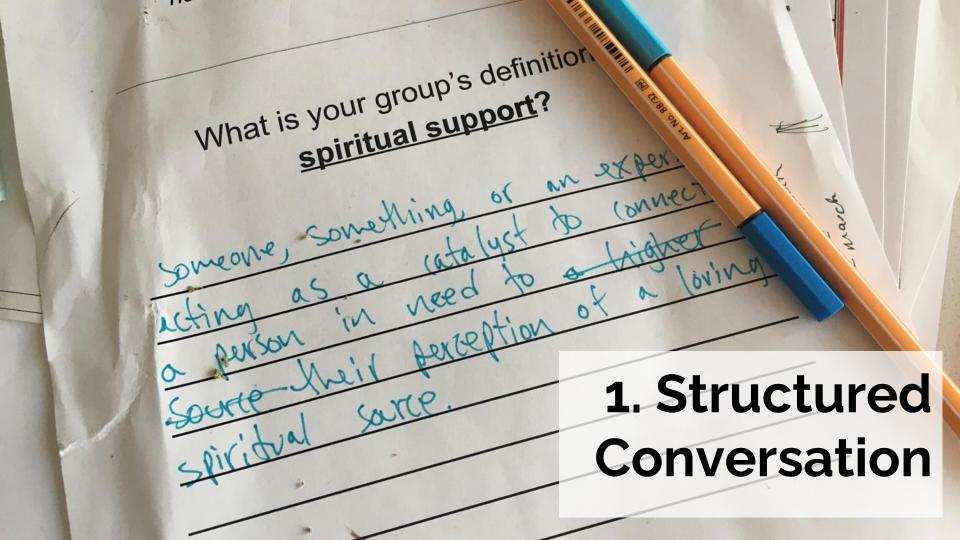
CaringBridge Users (n=11)

Spiritual & Religious Leaders (n=6)

Healthcare Workers (n=7)

CaringBridge Employees (n=10)

34 total participants





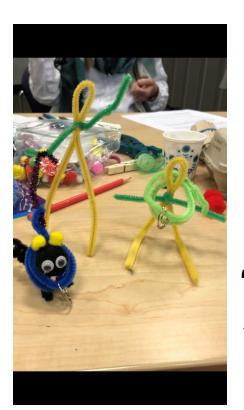
3. Rapid Prototyping







Sketching e.g. "Care mApp"



Physical
e.g.
"Therapy Dog
Smart Collar"

Spiritual support is a **dimension** of social support that **underlies** and can be expressed through all forms of social support.

Instrumental



Informational



Prayer



Network

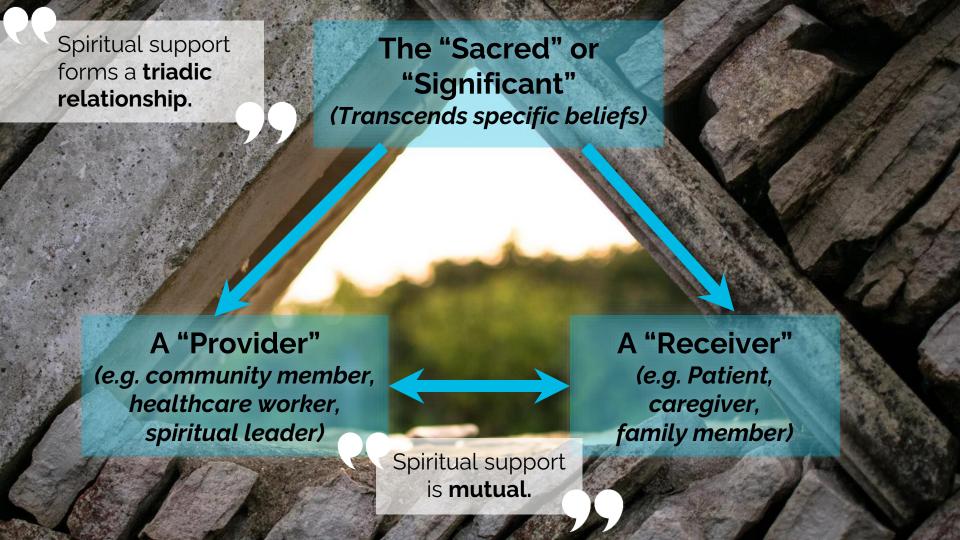


Emotional



Esteem





Prerequisites for Spiritual Support

1. Adaptability & openness to support

1. Discernment & articulation of spiritual needs

1. Safe space for support exchange

Six **Qualities** of Spiritual Support

Technology	Presence	Meaning	Location	Relationship	Temporality
The degree to which a human invention (e.g., pen & paper, the Internet, smartphones) must be involved for support exchange.	A quality of positive, intentional, and attuned presence between a person with themself, others, and/or the significant/sacred.	The ability and capacity to make meaning out of pain, suffering, and other challenging circumstances of life & death.	Where support is being exchanged, whether in-person (geographic colocation, or remotely (at a distance).	The nature of the social relationship between supporter and recipient, and which values or elements of identity are shared (vs. not).	When the support exchanged is intended to occur (e.g., now, near or distant future).
Is technology required in order for the supportive interaction to exist? Is it required that technology be absent?	How can supporters cultivate a sense of genuine, connected presence with support recipient? What might contribute to a sense of emptiness or lack of presence? (e.g., "empty" thoughts & prayers)	What barriers are making it hard for the support recipient to make sense of the situation? What techniques, tools, and innate qualities help supporter/recipient to express spiritually healing narratives?	It is possible or necessary for supporter/recipient to be in the same location? Is there a specific location (geographical or online) where the support needs to take place?	How well do these people know each other? (e.g., spouses, acquaintances, strangers) What expectations, history, and responsibilities exist between them, if any?	Is support needed urgently, or very soon? Is support intended to occur at an unpredictable or predetermined future moment?

Q&A / Discussion [5 min.]

- [L.O.] Describe prerequisites of online spiritual support
 - Adaptability/openness
 - Discernment/articulation of needs
 - Safe space



Part II: Best Practices

[L.O.] Discuss **best practices** for helping patients to utilize online spaces for spiritual support

- Recap ethical provisions
- Small group discussions of case studies



Provisions of the Nursing Code of Ethics (2015)

Provision 1	The nurse practices with compassion and respect for the
	inherent dignity, worth, and unique attributes of every person.

- Provision 2 | The nurse's primary commitment is to the patient, whether an individual, family, group, community, or population.
- **Provision 3** | The nurse promotes, advocates for, and protects the rights, health, and safety of the patient.
- **Provision 4** | The nurse has authority, accountability, and responsibility for nursing practice; makes decisions; and takes action consistent with the obligation to promote health and to provide optimal care.
- **Provision 5** | The nurse owes the same duties to self as to others, including the responsibility to promote health and safety, preserve wholeness of character and integrity, maintain competence, and continue personal and professional growth.

- **Provision 6** | The nurse, through individual and collective effort, establishes, maintains, and improves the ethical environment of the work setting and conditions of employment that are conducive to safe, quality health care.
- Provision 7 | The nurse, in all roles and settings, advances the profession through research and scholarly inquiry, professional standards development, and the generation of both nursing and health policy.
- **Provision 8** | The nurse collaborates with other health professionals and the public to protect human rights, promote health diplomacy, and reduce health disparities.
- **Provision 9** | The profession of nursing, collectively through its professional organizations, must articulate nursing values, maintain the integrity of the profession, and integrate principles of social justice into nursing and health policy.

Nursing Ethics [3.1]:

Protection of the Rights of Privacy & Confidentiality

Privacy:

the right to control access to, and disclosure or nondisclosure of, information pertaining to oneself and to control the circumstances, timing, and extent to which information may be disclosed.

Confidentiality:

nondisclosure of personal information that has been communicated within the nurse-patient relationship.

Nursing Ethics [3.1]:

Protection of the Rights of Privacy & Confidentiality

"Because of rapidly evolving communication technology and the porous nature of social media, nurses must maintain vigilance regarding postings, images, recordings, or commentary that intentionally or unintentionally breaches their obligation to maintain and protect patients' rights to privacy and confidentiality. The patient's well-being could be jeopardized, and the fundamental trust between patient and nurse could be damaged by unauthorized access to data or by the inappropriate or unwanted disclosure of identifiable information."

Evaluating Technology: Privacy Considerations for vulnerable populations:

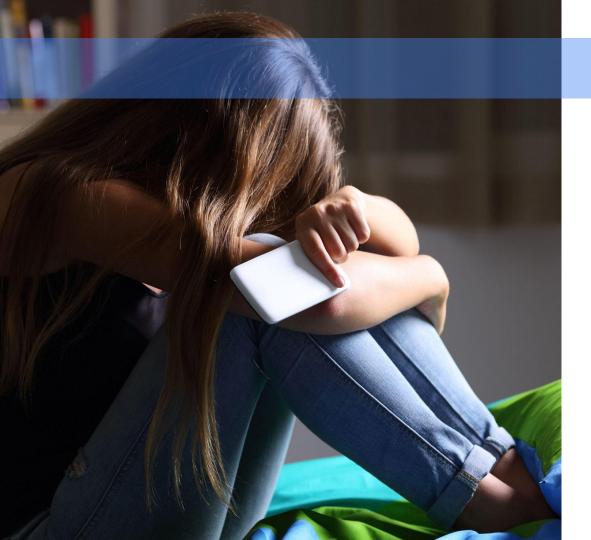
- Personal decision to disclose on social media
- Proxy disclosure someone shares information about themselves that exposes your personal situation
 - (a) 23 and me
 - (b) Social media disclosure [divorce, birth, illness]
- Organizational decisions to "disclose"/provide/sell data externally for profit

 Does the app/ or platform provide clear harm reporting and clear privacy and security features?

 Data Transparency: data mining private conversations without disclosure

Crisis Text Hotline

Talk Space



Small Group Activity

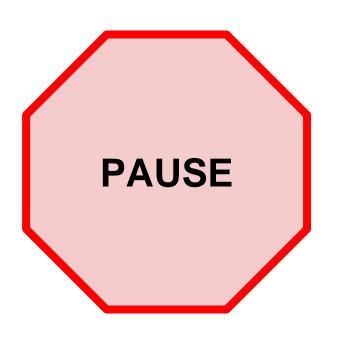
- Zoom breakout rooms with 4-5 participants
 - **15 Minutes**
 - Same groups for next activity!
- Designate roles:
 - Note taker
 - **Presenter**
 - Plan for 1-3 min. summary of key takeaways
- Follow the slides to explore your case study. **Take plentiful notes!**
- Please open this deck in your personal browser now: https://bit.ly/SCA-group



Full Group Discussion

- 10-Minutes
- Presenters: Please share main takeaways (1-3 min.)

5-Minute Zoom Break





Part III: Future Tech

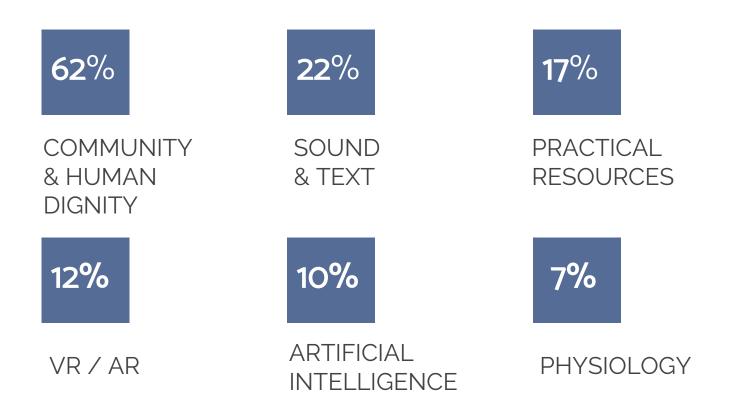
[L.O.] Compare and contrast **future tech** possibilities for spiritual care in the aftermath of COVID-19

- Present prior ideations
- Return to small groups for problem-solving & ideation



Ideation Results

224 individual ideas, 6 themes



Design Ideas

for CaringBridge

Idea #1: GodBox





Allow users to select and represent their core beliefs.

Idea #2: 3Touches







Provide mechanisms that encourage thought about future events when support will be necessary.

Idea #3: Al-Assisted Communication

Patients and caregivers love hearing from you; add a comment to show your support.

(Current CaringBridge Prompt)

Post a Comment

Estelle Smith

You are so wonderful

Post a Comment

For example:

- Editable text suggestions
- Nudges: what to say or not to say
- Suggestions for scripture or inspirational sayings

Idea #3: Al-Assisted Communication

Watch <u>this video</u> to learn more about how to say the right thing.

Post a C	ent			
	Post a	Comme	nt	

- Customized training resources embedded in the interface
 - Disease-specific
 - Spiritually-tailored langage
 - o Etc.

Idea #4: Care mApp



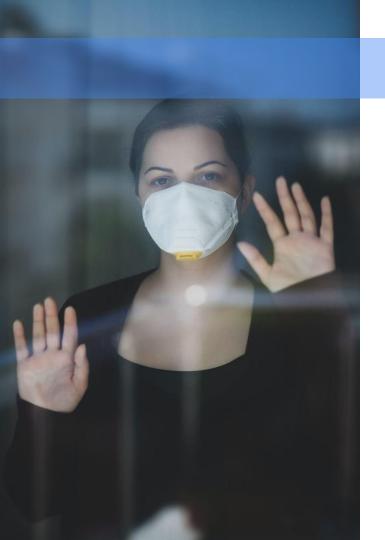




Visualize support networks and what they have to offer.



Visualization by Avleen Kaur, 2020



Small Group Ideation

During the COVID-19 pandemic:

What solutions (or lack thereof!) did your unit or workplace institute to provide spiritual care remotely?

 How might we improve our technologies and practices to better support human dignity & communities as the pandemic continues?



Small Group **Ideation**

- 10-Minutes
- You will be returned to the same
 Zoom breakout room as before shortly!
- All participants: In the same deck as before, please navigate to slide #19, titled "Small Group Ideation"
 - Here is the link again, in case you closed the tab: https://bit.ly/SCA-group



Full Group **Discussion**

- 10-Minutes
- Presenters: What were key takeaways from your discussion?

Thank you for your time & participation!

Please share your feedback and ideas for future research: https://bit.ly/SCA-feedback

Or email <u>c.estelle.smith@colorado.edu</u> with questions, feedback.

