Building Immunity: Disrupting Health Misand Disinformation through Nursing Education

Urszula Lechtenberg, Learning Design Coordinator, University Library System
Rebekah Miller, Research and Instruction Librarian, Health Sciences Library System
Marc Ross, Head of Hanley and Haskell Libraries, University of Pittsburgh Bradford and Titusville

Motivation
- Project was born after a discussion about the need to develop communication skills of nursing students
- Originally focused on translating traditional academic information literacy skills into skills employers expect from nursing school graduates
- The project evolved into one that investigated how health care professionals can stop the spread of disinformation

Project Description
- Interdisciplinary team made up of librarians, nurses, public health experts
- Teach nursing students to identify mis/disinfo
- Examine interventions to disrupt the spread of mis/disinformation
- Create online OER modules

Context
- In 2021 the American Association of Colleges of Nursing released new competencies for nursing education
- Pitt SON is revising its curriculum accordingly; misinfo not currently addressed
- Our modules will be added to the BSN sophomore Nursing Research course
- We aligned our learning objectives with the competencies to fit in any undergraduate nursing program

Identify

Understand how disinformation works
- Tactics
  - Emotional language or images that prompt feelings of fear, anger, validation (I was right all along)
  - Creating false accounts to quickly spread bad info
  - False dichotomies
  - Ad hominem attacks
- Narratives
  - Scaremongering/whipping
  - Conspiratorial thinking
  - Incoherence
- Motivations
  - Hate
  - To gain power
  - Instability
- Targeted disinformation
  - Information ecosystems are influenced by our backgrounds, combined with Social Determinants of Health (SDOH)

Disrupt

Prebunking (Before Exposure)
- Start with accurate info ➔ Expose shady tactics ➔ End conversation with accurate info
- GOAL: Inoculate people against disinformation by providing them with accurate information along with an understanding of how and why disinformation works prior to any encounter with disinformation

Motivational Interviewing (After Exposure)
- Patient has already decided about their health based on misinformation OR Patient has been exposed to mis/disinformation and hasn’t rejected it—is in the process of deciding.
- OARS method: Open Questioning, Affirming, Reflecting, and Summarizing
- GOAL: Empower people to change (thoughts, behaviors) through a guiding style of communication that evokes empathy, respect, and curiosity.

Practice

Branching scenarios
- Professionally acted and produced videos
- Students must choose the most appropriate steps when prebunking and motivational interviewing
- Limited time for complex topic—teaching the spirit over the nuances of each

Project Deliverables
- A set of three (3) modules used in Pitt’s SON also released as OERs for anyone to use
  - Introduction: What, when, and how to identify/evaluate mis/disinfo
  - Prebunking
  - Motivational Interviewing
- Created and validated misinformation assessment tool: Nursing Student Misinformation Attitudes, Confidence, and Knowledge Assessment Tool

Potential Impact
- Modules as Open Educational Resources (OERs) for use across institutions made easier since learning outcomes are mapped to updated AACN competencies
- Improving the communication skills of nursing students with patients and with colleagues
- Improving the communication skills of practicing nurses through Continuing Education credits

Future Plans
- Have sophomores on two campuses use the Misinformation assessment tool spring 2023
- Hold student and faculty focus groups on the modules, and finalize modules
- Pilot the modules in fall 2023 and spring 2024, using the assessment tool as a post-test
- Provide the modules as CE to a local hospital nursing unit
- Release the modules as OER

Scan the QR code to sign up for updates about modules’ release.

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