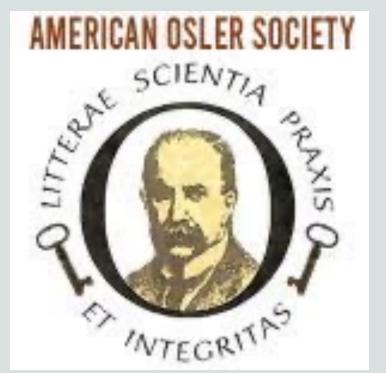


# Graphic Medicine: Comics as a Therapeutic and Teaching Tool in Gynecologic Oncology Clinics



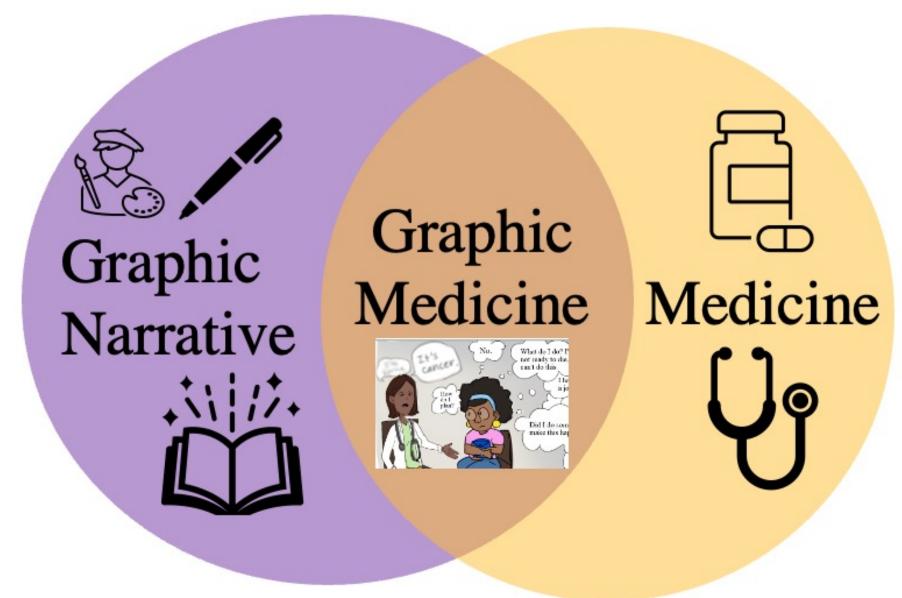


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## Background

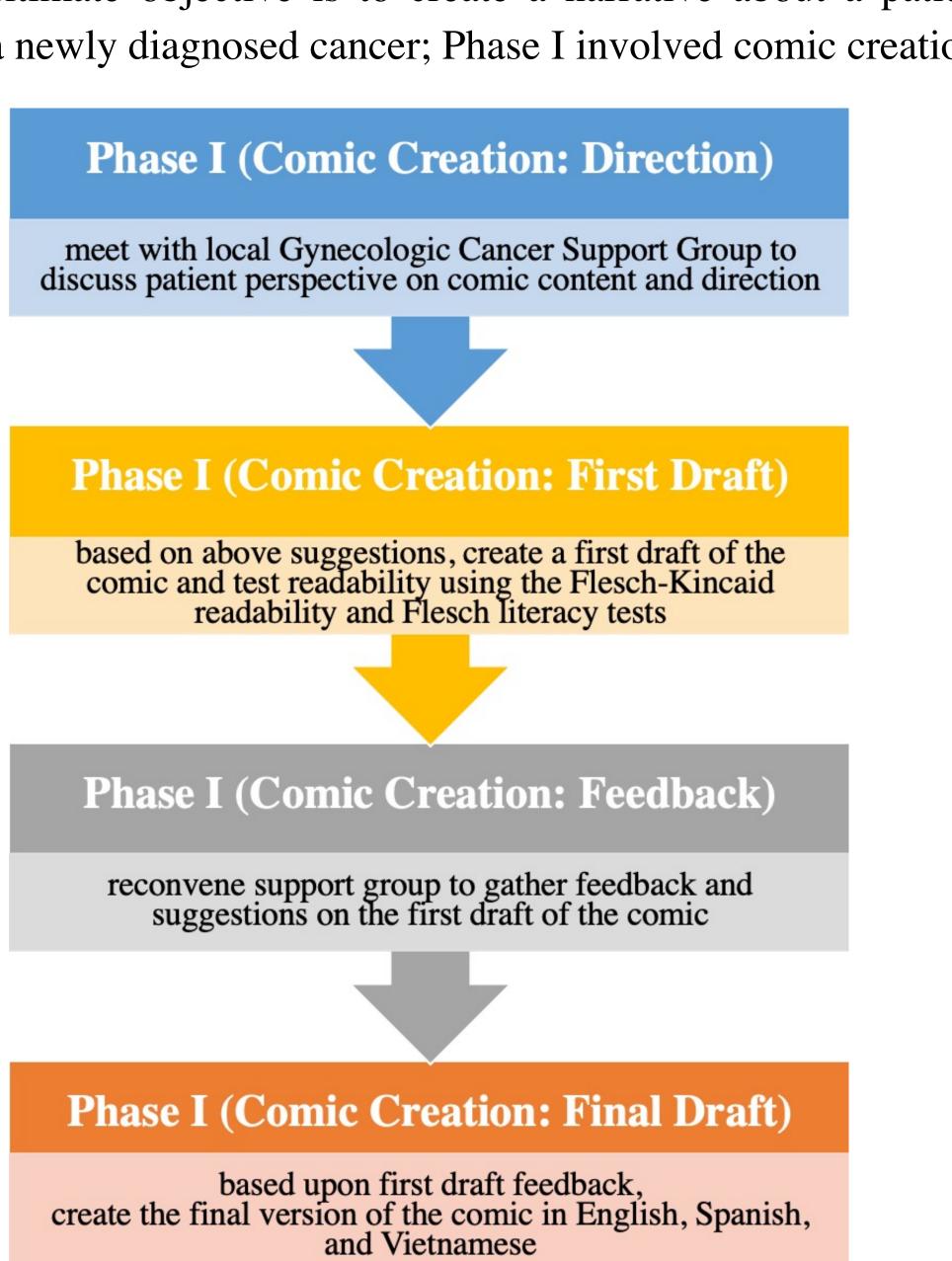
Graphic medicine is a newly emerging field that combines the disciplines of medicine and graphic narratives



- Visual mediums, such as comics, may hold more appeal for visual learners and help simplify and explain complex topics
- Information told through graphic medicine may be more accessible for patient audiences with a wide range of literacy levels
- Louisiana has an average reading level of 4th grade, significantly below that of the national average

## Study Objectives & Method

- This project aims to investigate the potential usefulness of comics as a therapeutic and teaching tool for patients in gynecologic oncology clinics
- The ultimate objective is to create a narrative about a patient with a newly diagnosed cancer; Phase I involved comic creation



## Results: First Draft Feedback

Overall the comic received very positive feedback from the Gynecologic Cancer Support Group, which consisted of gynecologic oncology patients and survivors. The group was led by a physician, a therapist, and two nurses.

#### **Strengths** (Examples of Patient Comments)

- story and illustrations resonate with patients
- readable, helpful, and compelling narrative for any age

#### Areas of Improvement (Examples of Patients Comments)

- increase gender diversity of Fran's support systems
- change physician's expression to neutral when delivering diagnosis
- add local resources to resource list

## Results: Readability

#### Readability

Flesch Reading Ease

82.4

Flesch-Kincaid Grade Level\*\*

\*Flesch Reading Ease score measures readability based upon average length of sentences and average number of syllables per word. A score of 82.4 means "easy to read."

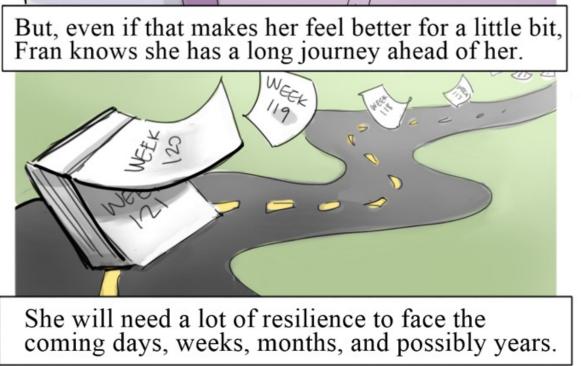
\*\*Flesch-Kincaid Grade Level assesses approximate reading grade level of a text. A score of 3.7 means third grade.

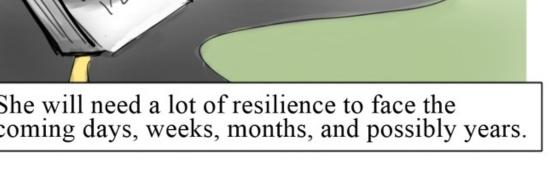
### Results: Final Version of the Comic\*

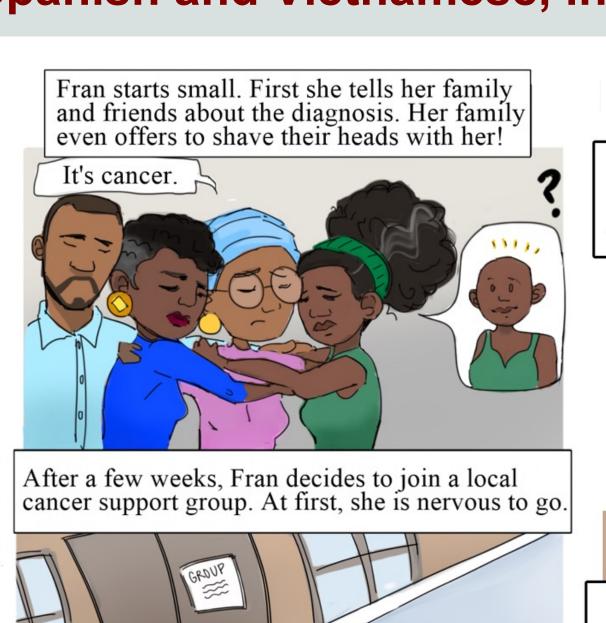
\*also available in Spanish and Vietnamese, including a "Patient Resources" section at the end of the comic



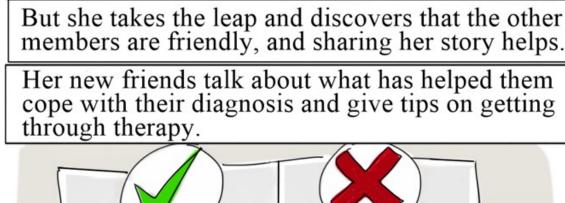


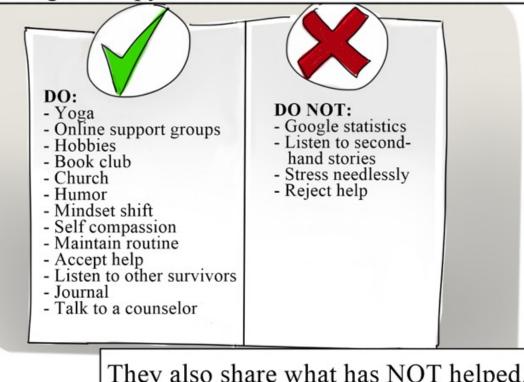




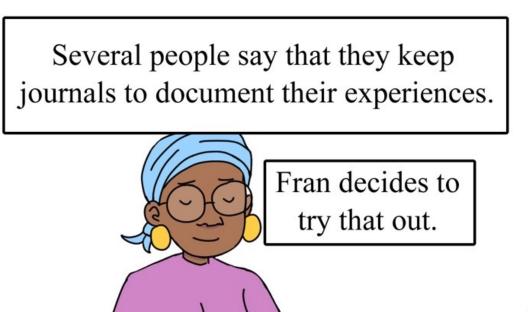


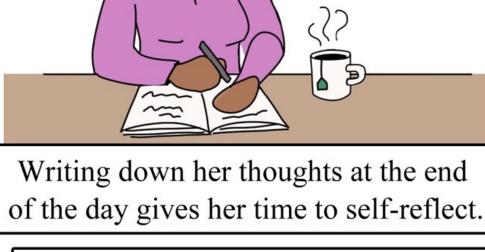






They also share what has NOT helped.

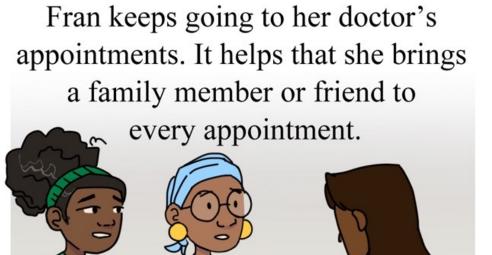




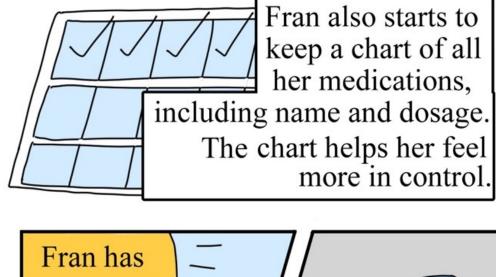
She also decides to download a meditation app on her phone. She starts by listening at night in her bed. Then she listens whenever she feels anxious or out of control

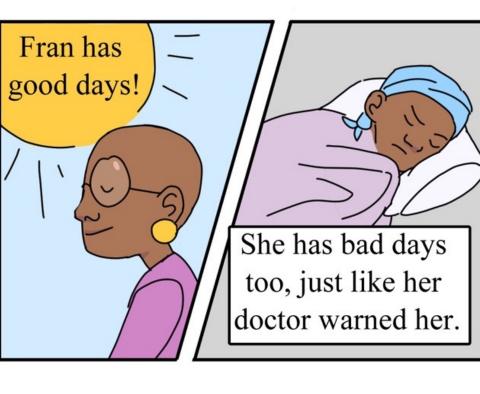


Headspace Fran has never liked meditating before, but to her surprise, it helps calm her mind.



She and her family write down a list of questions to ask before every appointment. Whoever comes to the appointment helps Fran take notes so that she doesn't forget anything.

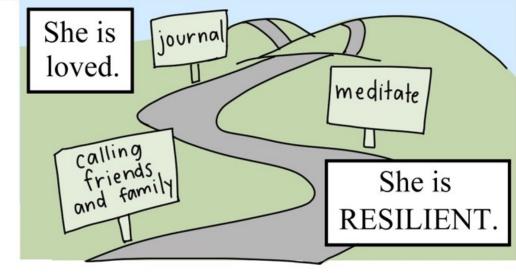




When these bad days come, Fran learns to reach out to her support network for help. She learns that the bad days are temporary.



She takes things one day at a time and reminds herself to be patient and kind with herself, even (especially) on the days when she just wants to stay in bed. The journey is still scary, but Fran has found coping mechanisms that work for her. Fran knows she is strong.



The "Patient Resources" section directs readers to a range of resources, including the National Cancer Institute (NCI), the National Comprehensive Cancer Network (NCCN), Medline Plus, the American Cancer Society (ACS), and ClinicalTrials.gov

## **Conclusion and Future Direction**

#### Conclusion

- The comic received overall very positive feedback from the focus group, whose input was invaluable in determining the direction and development of the comic
- Using well-established readability measures, we determined that the comic is readable for a patient audience with a wide range of literacy levels

#### **Future Direction**

- Phase II of the project will involve distributing the comic in various oncology clinics
- Patients will then be surveyed on the efficacy of this educational material through validated measurements such as the STAI (State-Trait Anxiety Inventory) Scale as well as Likert scales for knowledge levels and comic relatability, likability, and helpfulness

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