

Background

The University of Pennsylvania Libraries has multiple libraries both on and off campus. One of its locations, the Leon Levy Library of Dental Medicine, is located inside the University of Pennsylvania School of Dental Medicine, which houses the academic programs, research initiatives, and clinical practices related to dental medicine and oral health.



The Leon Levy Library of Dental Medicine serves as the information hub for faculty, students, staff, clinicians, and researchers at Penn Dental Medicine and frequently hosts events and programs in support professional development and networking.



The Leon Levy Library of Dental Medicine actively engages with its followers on Twitter and Instagram promoting resources and programs. For Health Literacy Month in October 2022, the library solicited answers to the question "What is Oral Health Literacy?" The Health Literacy Study Club is also promoted via these platforms.

The idea of having a journal club dedicated to oral health literacy and patient education came up in a discussion in July 2022 in a meeting between the staff at the Leon Levy Library of Dental Medicine and the faculty of the Community Oral Health Division at the School of Dental Medicine. The goal of the journal club is to further engage students in the foundational and emerging research and best practices regarding health literacy and patient education as related to dental medicine and oral health.

Format

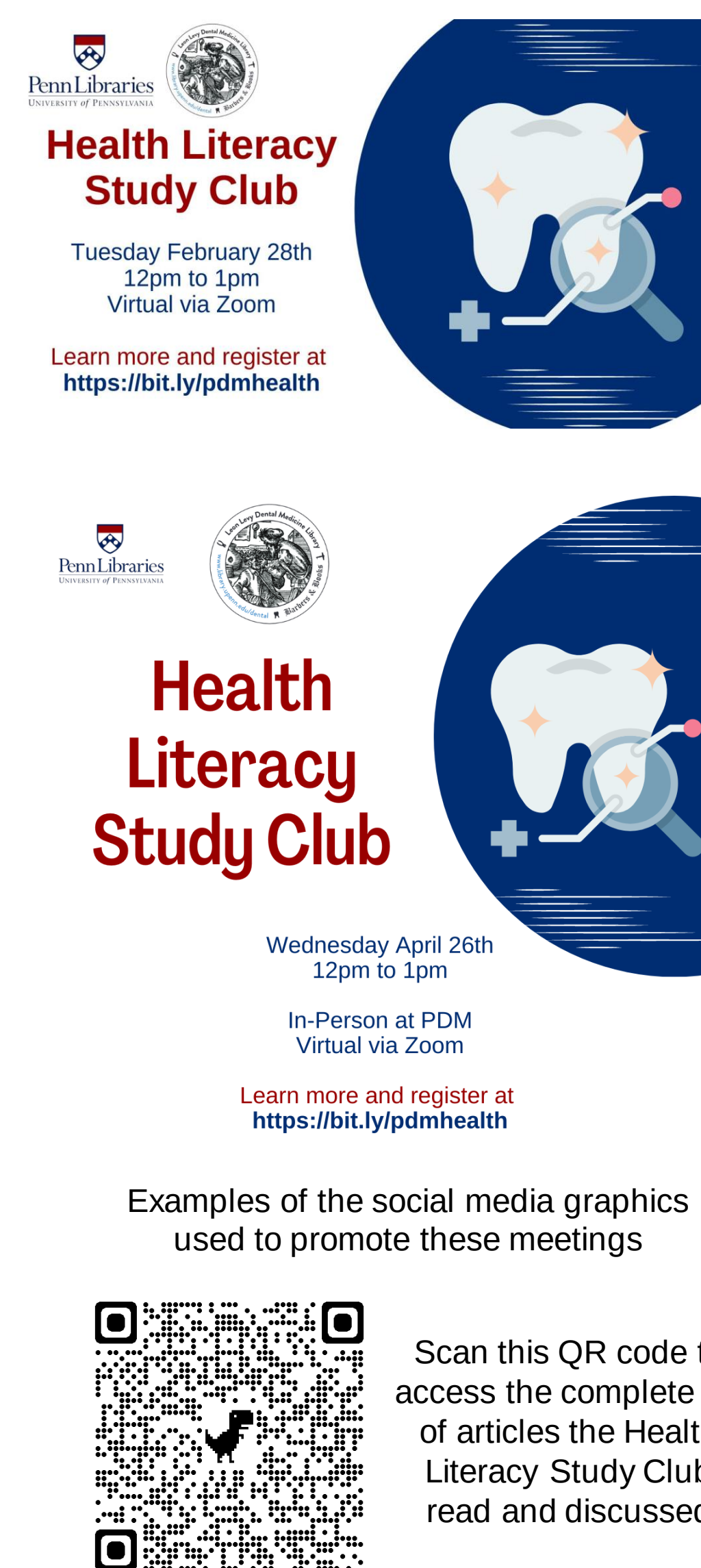
The Health Literacy Study Club meetings are held on weekdays from 12pm to 1pm, which has been identified as the ideal break time between courses and clinics for many students, staff, and faculty.

The club was launched virtually on Zoom in late February 2022 with the goal to incorporate outdoor in-person engagement later, as weather permits. Due to international participation in the first Health Literacy Study Club meeting in February, the club will continue to support both virtual and in-person participation. Thanks to support from Penn Libraries, light refreshments will be available for in-person attendees.

February 2023: 1st Virtual Meeting

8 people registered for the inaugural meeting of the Health Literacy Study Club. Attendees included 2 health sciences librarians, 1 Community Oral Health faculty member, 1 registered dietitian, 2 dental students, and 2 dentists practicing abroad. The attendees read and discussed the following articles:

- Lee, J.Y., Divaris, K., Baker, A.D., Rozier, R.G., Lee, S.-Y.D. and Vann Jr, W.F. (2011), Oral health literacy levels among a low-income WIC population. Journal of Public Health Dentistry, 71: 152-160. <https://doi.org.proxy.library.upenn.edu/10.1111/j.1752-7325.2011.00244.x>
- Kiling. (2022). Is the information about orthodontics on YouTube and TikTok reliable for the oral health of the public? A cross sectional comparative study. Journal of Stomatology, Oral and Maxillofacial Surgery., 123(5), e349–e354. <https://doi.org/10.1016/j.jormas.2022.04.009>



April 2023: 1st Hybrid Meeting

Following our February discussion about measuring oral health literacy using REALD-30 and navigating viral videos about oral health, the February attendees expressed interest in focusing the hybrid April discussion on the impact of artificial intelligence (AI) tools such as ChatGPT on health literacy.

- Mokmin, N.A.M., Ibrahim, N.A. The evaluation of chatbot as a tool for health literacy education among undergraduate students. Educ Inf Technol 26, 6033–6049 (2021). <https://doi.org/10.1007/s10639-021-10542-y>
- Rushabh H. Doshi, Simar S. Bajaj & Harlan M. Krumholz (2023): ChatGPT: Temptations of Progress, The American Journal of Bioethics, DOI: [10.1080/15265161.2023.2180110](https://doi.org/10.1080/15265161.2023.2180110)
- Sallam, M. (2023). ChatGPT Utility in Healthcare Education, Research, and Practice: Systematic Review on the Promising Perspectives and Valid Concerns. Healthcare, 11(6), 887. <https://doi.org/10.3390/healthcare11060887>

As of April 18, 2023, there are 11 registrants, a mix of returning registrants (the librarians, faculty member, and international dentists) and new attendees (undergraduate and graduate students from across the university and health literacy professionals from outside of the university).

Successes

- Registration has increased between the virtual meeting in February and the hybrid meeting in April.
- Attendees are suggesting articles and activities to do at future Health Literacy Study Club meetings.
- Being inclusive of international attendees provides a window of opportunity to learn and share about health literacy and patient education practices and issues abroad.
- The post about the Health Literacy Study Club garnered interest within the Health Literacy Solutions Center.

Lessons Learned

- While weekdays from 12pm to 1pm are regarded as an unofficial lunch break at Penn Dental Medicine, there are many competing priorities, events, meetings, exam prep sessions, and workshops that come up that prevent registrants from attending Health Literacy Study Club meetings.
- There is currently limited literature on artificial intelligence and dental medicine.

Moving Forward

There is interest in continuing monthly or bimonthly hybrid Health Literacy Study Club meetings and soliciting suggested topics and readings from attendees.

It would be interesting to branch into discussing podcasts and videos to showcase other mediums that often discuss foundational and emerging research and best practices regarding health literacy and patient education.

The University of Pennsylvania Libraries is hosting Aibraries, its first unconference for its staffer to discuss artificial intelligence and libraries. I have been tentatively asked to facilitate an in-person discussion about artificial intelligence and health literacy, potentially broadening the conversation to information literacy in general.

Acknowledgements



Dr. Joan Gluch

Special thanks to Dr. Joan Gluch, the Chief of the Community Oral Health Division, and Laurel Graham, the Head of the Leon Levy Library of Dental Medicine for encouraging me to establish the Health Literacy Study Club.



Laurel Graham