



MAY 28, 2025

CORNELL HEALTHCARE REVIEW

CHR NEWSLETTER VOL. 2

WELCOME TO OUR

Monthly Newsletter!



STICKER MERCH COMING!

**STAY CONNECTED
THROUGH OUR INSTAGRAM
AND WEBSITE!**



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WHAT'S INSIDE...

- Event highlights
- Member spotlights
- Semester recap
- And more...

Read to find out!

SEMESTER WRAP-UP

- **SPEAKER PANEL 2:** DR. SHANNON BENNETT ON YOUTH MENTAL HEALTH
- **SPEAKER PANEL 3:** DR. JAMES E. SATTERFIELD ON LEADERSHIP IN SURGERY AND MEDICINE
- **WORKSHOP SOCIAL 2**
- **PAINTING SOCIAL** + FA24 MAGAZINE DISTRIBUTION
- **POST-SCRIPT SOCIAL**
- **SP25 LAUNCH PARTY** + AWARDS

Semester Events

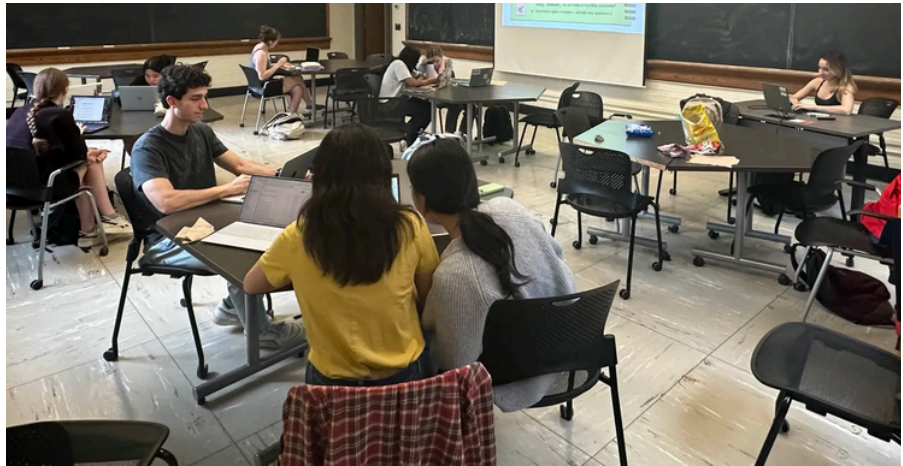
SOCIALS

We had several engaging workshops this semester!

Workshop Social (4/19)

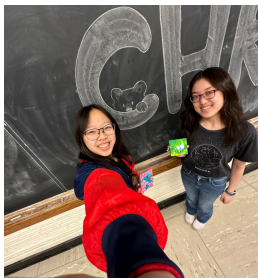
A chill, collaborative work session to help members finalize their pieces for the final round of submissions!

Attendees connected with their pairings, discussed progress and revisions, and received guidance from e-board members. Members also had the opportunity to ask questions about how CHR operates and learn about how to get involved in leadership, outreach, and member features.



Painting Social (4/26)

A cozy and creative paint & sip social where members took a break from academics to unwind with art, conversation, and snacks. Attendees received mini canvases and paint to create personal pieces—some abstract, some inspired by CHR's themes. The FA24 publication was also revealed!



4/30: To wrap up the semester, CHR held a reflective postscript social where members gathered to share their completed projects, writing experiences, and overall journeys with CHR. This informal gathering offered space for connection, celebration, and looking ahead to future contributions and initiatives.



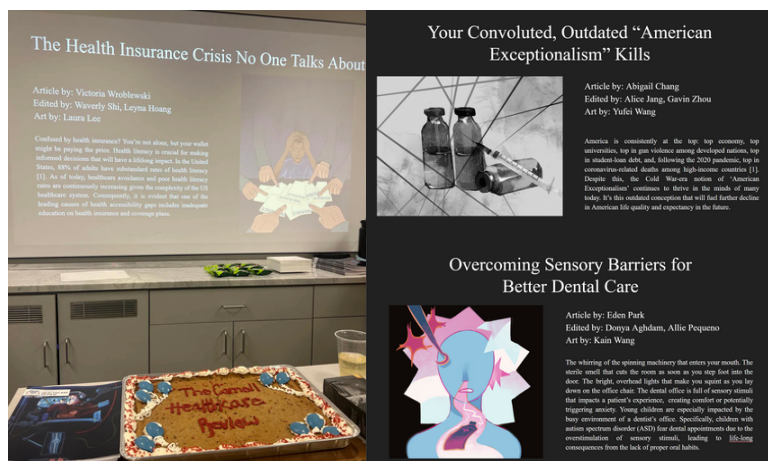
Semester Events

FA24 DISTRIBUTION

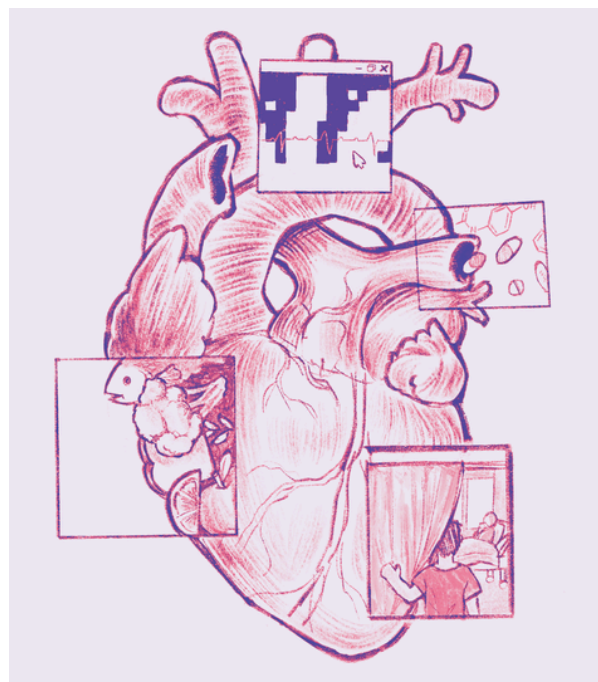


FA24 publications are featured at Olin Library! It was amazing to show off the final product of the previous semester's hard work.

SP25 LAUNCH PARTY



Thank you to everyone who stopped by the Spring 2025 Launch Party! We had a wonderful time celebrating the release of our latest issue, which showcased the incredible writing and artwork of our members. From thoughtful articles to engaging visuals, the event highlighted the diverse talents across the club..



**SP25 EDITION COVER ART BY
JULIA CHEN**

Speaker Series Recap

SPEAKER SERIES II: DR. SHANNON BENNETT ON YOUTH MENTAL HEALTH



IN OUR SECOND SPEAKER SERIES OF THE SEMESTER, CHR WELCOMED DR. SHANNON BENNETT, CLINICAL DIRECTOR AT THE CENTER FOR YOUTH MENTAL HEALTH AT NEWYORK-PRESBYTERIAN HOSPITAL. DR. BENNETT SHARED HOW THE CENTER INTEGRATES CLINICAL CARE, RESEARCH, AND OUTREACH TO SUPPORT ADOLESCENTS AND YOUNG ADULTS FACING ANXIETY, DEPRESSION, AND RELATED CHALLENGES. SHE ALSO SPOKE CANDIDLY ABOUT HER CAREER JOURNEY, OFFERING INSIGHTS INTO WORKING IN ACADEMIC PSYCHIATRY, INTERDISCIPLINARY MENTAL HEALTH CARE, AND THE IMPORTANCE OF ACCESSIBLE EDUCATION AND STIGMA REDUCTION.

SPEAKER SERIES III: DR. JAMES E. SATTERFIELD ON LEADERSHIP IN SURGERY AND MEDICINE



OUR FINAL SPEAKER OF THE SEMESTER, DR. JAMES E. SATTERFIELD, DELIVERED A POWERFUL TALK ON HIS FOUR-DECADE CAREER AS A GENERAL SURGEON AND LEADER IN ORGANIZED MEDICINE. NOW MEDICAL DIRECTOR OF THE CENTER FOR WOUND HEALING AND HYPERBARIC THERAPY AT NYP QUEENS AND VICE PRESIDENT OF THE MEDICAL SOCIETY OF THE STATE OF NEW YORK, DR. SATTERFIELD REFLECTED ON THE EVOLUTION OF HEALTHCARE, HOSPITAL CLOSURES, MEDICAL EQUITY, AND THE POWER OF COMMUNITY ADVOCACY. HIS TALK SPANNED GLOBAL SURGICAL OUTREACH, HEALTH SYSTEMS LEADERSHIP, AND THE ONGOING NEED FOR DIVERSITY AND INCLUSIVE EXCELLENCE IN MEDICINE. DR SATTERFIELD IS HAPPY TO TAKE STUDENT SHADOWS AS WELL.

**THANK YOU FOR ALL THE ENTHUSIASM AND ENGAGING
DISCUSSIONS DURING THIS TALK!**

Member Spotlight:

WE ARE SHINING A LIGHT ON SELECT MEMBERS AND THEIR CURRENT CONTRIBUTIONS TO CHR!

1

Shreya Bhardwaj

Human Biology, Health, and Society '27

Shreya shared that she joined CHR in search of a like-minded community passionate about healthcare—and found exactly that. This semester, she focused her writing on underrepresented yet critical issues in the field. Her article builds on the ongoing mental health awakening, delving into the often-overlooked challenges of drug development for psychiatric conditions. For her, CHR has been a space to explore meaningful topics that rarely make it to the mainstream spotlight.



Excerpt from “The Challenges of Developing Novel Psychiatric Therapies”

In 2020, over 18% of the overall U.S. population had taken medication for their mental health in the past 12 months, amounting to over 59 million people! [1] Following the boom of mental health awareness in the late 2010s, demand for using medication to manage mental health has only continued to soar. Unfortunately, drug development of novel psychiatric therapies has been significantly curtailed, making up only 4.8% of all FDA drug approvals from 2018 to 2022 [2]. Though the general process remains the same, psychiatric drug development faces unique obstacles, such as difficulties in measuring treatment efficacy, ethical concerns, and especially high failure rates in clinical trials.

Shreya argues for innovation in psychiatric drug development by highlighting barriers such as the lack of objective biomarkers, high clinical trial failure rates, and ethical concerns around patient consent. Her work illustrates the need for more adaptive trial designs and investment in novel approaches to ensure more effective and accessible treatments for mental health conditions.

Member Spotlight:

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2

Josh Chelliah

Healthcare Policy '27

Josh, shared that he has loved writing and exploring medical and biological topics from a young age. Joining CHR in the fall allowed him to pursue both passions deeply. He emphasized how meaningful it has been to connect with artists and editors, and how CHR continues to help him grow his interests at Cornell while also creating opportunities to meet peers who share his enthusiasm for healthcare.



Excerpt from "Microscopic Genes, Gigantic Impact on Global Health"

We may have heard the term “global health”, but what does genomics have to do with it? Global health is defined as an interdisciplinary field of study, research, and health practice that focuses on ameliorating health and equity for every individual and population in the world [1]. Genomics, on the other hand, is defined as a branch of biology concerned with the structure, evolution, function, and mapping of the complete set of DNA, known as its genome, in an organism [2]. The answer lies in the power of genomic research to revolutionize disease diagnosis, treatment, and prevention on a global scale. By studying the genomes of microbial pathogens as well as humans, researchers can develop targeted therapies and preventive strategies for some of the world’s most devastating diseases [3].

Josh explores the transformative potential of genomics in global health, highlighting how sequencing genomes—both human and microbial—can revolutionize disease prevention, diagnosis, and treatment. He emphasizes its application in combating diseases like malaria in developing countries and chronic illnesses in developed nations, while also addressing the disparities in access to genomic technology. His piece raises ethical concerns about genetic privacy, eugenics, and bioterrorism, ultimately emphasizing the need for global cooperation, infrastructure investment, and careful oversight to ensure that genomics advances health equity worldwide.

Member Spotlight:

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3

Manuel Villegas

Computer Science - AI '25



Josh shared that when choosing the topic for his article, he had no hesitation in selecting AI in healthcare. He shared that he learned many new things about the field, including both impressive advancements and notable limitations.

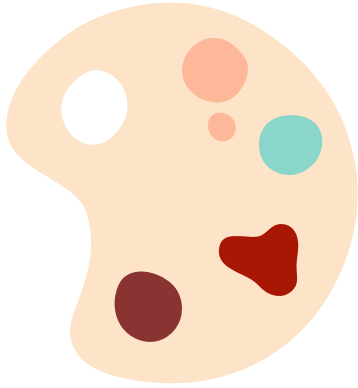
Excerpt from "Reshaping Cancer Diagnosis: AI-Powered Detection"

AI-assisted diagnosis is already improving patients' outcomes in different fields. However, the rise of this technology has also awakened strong criticism and calls for action. While significant progress is still needed, as well as a thorough analysis of ethical concerns, AI clearly has the potential to start a new era for healthcare.

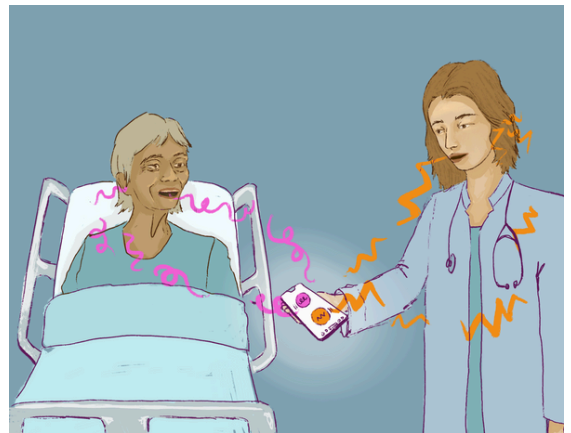
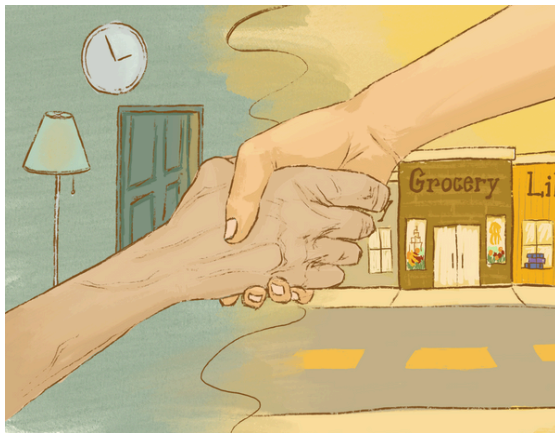
Manuel's article emphasizes the critical importance of early cancer detection for improving patient survival rates and explores how AI technologies can enhance diagnostic accuracy beyond human capabilities. He highlights advances in AI models like Mirai for breast cancer and Transformer-based systems for pancreatic cancer risk prediction, showcasing improved sensitivity and fairness across diverse populations. However, AI in some areas, such as lung cancer CT screening, still struggles to outperform expert radiologists, suggesting that combining human expertise with AI may yield the best results.

His article also addresses ethical challenges tied to AI deployment in healthcare, including biases due to underrepresented groups in training data, privacy concerns related to data use, and accountability for AI failures. He calls for strong regulation and collaboration between engineers and policymakers to ensure AI respects human rights and gains trust. Overall, while AI's integration into cancer diagnosis holds transformative promise, ongoing development and ethical vigilance remain essential.

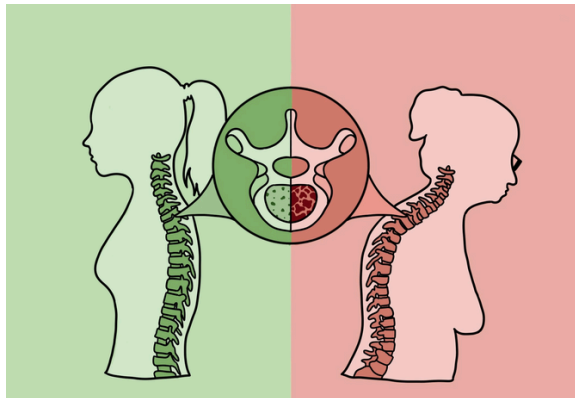
SP25 Award Highlights



Outstanding Artist
Awards:
CAITLIN SWEENEY
LAURA LEE



Laura Lee



Caitlin Sweeney

Outstanding Writer Awards:

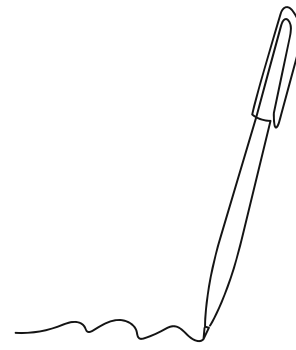
CARLA HU
BHAVYA ANOOP

THE FIGHT AGAINST THE PRIVATIZATION OF NURSING HOMES

Carla Hu

Imagine for a moment where you might be living at the age of 65 or older. For many Americans, that answer may be a senior assisted living community, also known as a nursing home. In 2017, a CDC survey showed the U.S. has 1.3 million nursing home residents [1]. Furthermore, recent surveys reveal that from 2000 to 2020, among the 15,300 nursing homes in the U.S., the proportion of for-profit nursing homes increased from 65% to over 70% [2, 3]. Nursing homes are a significant form of long-term healthcare in the U.S., however debates surrounding their quality of care and facility ownership are often overlooked by the general public.

[Read more here!](#)



REVOLUTIONIZING HEALTHCARE WITH QUANTUM AND HIGH-PERFORMANCE COMPUTING

Bhavya Anoop

As healthcare challenges become increasingly complex, computational tools are emerging as essential methods in transforming disease diagnosis, treatment, and prevention. More specifically, quantum and high-performance computing are two important mechanisms currently driving healthcare innovation. Quantum computing (QC) utilizes the principles of quantum mechanics to perform complex calculations much faster than traditional methods. Due to its speed and accuracy, QC can lead to advances in genomics, treatment planning, and patient data security [1]. Meanwhile, high-performance computing (HPC) breaks down large tasks into smaller, more manageable parts and processes them in a parallel manner. HPC's efficiency allows for large amounts of data to be processed, and can lead to advancements in fields such as drug discovery, medical imaging, and epidemiology research.

[Read more here!](#)

Outstanding Editor Awards:

KAITLYN VARRIALE
QUEENIE CHEN

Topics highlighted for Spring '25

CHR MEMBERS ARE EXPLORING A VARIETY
OF TOPICS...

Ethics and Equity in Healthcare
Healthcare Policy and Reform
Mental Health and Psychology
Cultural and Social Determinants of Health
Emerging Trends and Innovation
Rare Diseases and Specialized Medicine
Global Health and Disparities
Technology and Innovation in Healthcare
Nutrition and Lifestyle
Women's Health and Reproductive Rights
Disability and Special Needs

SP25 Publication Information!

Both the print and online version are
available for viewing!

