# Psychiatry Grand Rounds
# WCM Department of Psychiatry
## Psychology CE Announcement
### *Samuel W. Perry III, MD Scholar Grand Rounds*

## *"AI AND MENTAL HEALTH: BEYOND EVIL ROBOTS"*

**Weill Cornell Medicine Psychiatry**

### ROY PERLIS, MD MSC

VICE CHAIR FOR RESEARCH AND RONALD I. DOZORETZ, MD ENDOWED CHAIR IN THE DEPARTMENT OF PSYCHIATRY
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**Live In-Person:** Uris Auditorium
**Zoom:**
https://weillcornell.zoom.us/j/92812036154
Meeting ID: 928 1203 6154
Password: 12345

1 CE credit available to WCM Department of Psychiatry full time and voluntary faculty Psychologists, Social Workers and LMHCs, who sign in with their full name, attend the majority of the lecture and complete a survey which will be emailed following the completion of the lecture. Note the survey must be completed within 30 days of the lecture. Please contact wcmpsychiatryce@med.cornell.edu for additional CE information

📅 March 4, 2026      🕐 11 AM - 12 PM      📍 Live Online, Live In-Person

## ABSTRACT

AI has rapidly been embraced in health care for its transformative potential. This presentation will address both the promise, and peril, of AI applications for risk stratification, personalization, and potentially intervention in psychiatry. For example, large language models have demonstrated performance equivalent to experts in psychopharmacological management of mood disorders. At the same time, widespread application of such models poses potential harm in terms of lack of transparency and bias. Similarly, suicide risk stratification may be a promising means of targeting high-cost interventions. Conversely, in suggesting greater confidence than is warranted in making such predictions, these sorts of risk stratification tools may expose vulnerable patients to greater risk. The presentation will also address the broader question of how widespread AI use may impact mental health at a population level.

## LEARNING OBJECTIVES

1. Explain how large language models are used in clinical decision support and identify ethical, clinical, and safety risks associated with their implementation.
2. Describe the principles of machine learning–based risk prediction in clinical contexts and evaluate considerations for responsible integration into behavioral health practice.
3. Assess the potential mental health impacts of individual AI use in both vulnerable populations and the general adult population, including implications for clinical assessment and intervention.

## SPEAKER

**Roy Perlis, MD MSc** is Vice Chair for Research and Ronald I. Dozoretz, MD Endowed Chair in the Department of Psychiatry at Massachusetts General Brigham, where he also directs the hospital-wide Center for Quantitative Health. He is a Professor of Psychiatry at Harvard Medical School and Editor in Chief of JAMA+ AI, responsible for AI content across the JAMA Network. Dr. Perlis has authored more than 400 articles reporting original research in peer-reviewed journals ranging from Nature Genetics and Nature Neuroscience to JAMA and the New England Journal of Medicine, focused on development of novel treatments and biomarkers for brain diseases.

The Perlis lab pioneered the application of emerging artificial intelligence methods to improve patient care in psychiatry, using electronic health records for understanding the course of mood disorders and characterizing treatment response. Applying these kinds of methods to biobanks allowed his group and collaborators to identify the first risk genes for major depression, in 2016, and for treatment-resistant depression, in 2023. Dr. Perlis was awarded the Depression and Bipolar Support Alliance's Gerald L. Klerman Young Investigator Award in 2010, and the DBSA's Senior Investigator Award in 2025; he is proud to serve as a scientific advisor to the DBSA. In his spare time, he enjoys tinkering with pinball machines and trying to grow things.

## REFERENCES

1. Castro, V. M., McCoy, T. H., Verhaak, P., Ramachandiran, A., & Perlis, R. H. (2026). Psychiatric Documentation and management in primary Care with Artificial intelligence Scribe use. *JAMA Psychiatry*. https://doi.org/10.1001/jamapsychiatry.2025.4303
2. McCoy, T. H., & Perlis, R. H. (2025). Reasoning language models for more transparent prediction of suicide risk. *BMJ Mental Health, 28*(1), e301654. https://doi.org/10.1136/bmjment-2025-301654
3. McCoy, T. H., & Perlis, R. H. (2025). Reasoning language models for more transparent prediction of suicide risk. *BMJ Mental Health, 28*(1), e301654. https://doi.org/10.1136/bmjment-2025-301654