CLPsych 2025

The 10th Workshop on Computational Linguistics and Clinical Psychology

Proceedings of the Workshop

May 3, 2025

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USA
Tel: +1-855-225-1962
acl@aclweb.org

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Introduction

Mental health remains a critical issue. Globally, mental health conditions rank among the top causes of disability [4, 6], and the economic burden of mental health issues, including neurological and substance use disorders, is expected to exceed $16 trillion from 2011 to 2030 [1]. In the United States alone, suicide ranked among the top nine leading causes of death for individuals aged 10-64 in 2020, and was the second leading cause of death for those aged 10-14 and 25-34 [3]. The COVID-19 pandemic has further exacerbated these mental health challenges. Research by Sheridan et al. [5] indicates that suicide attempts among children aged 10-12 have increased more than five-fold from 2010 to 2020. Recent advancements in large language models (LLMs) have demonstrated significant potential in mental health. They are not only used for diagnostic purposes but have also been shown to provide valuable explanations for prediction outcomes [2]. In light of this, for The Tenth Workshop on Computational Linguistics and Clinical Psychology (CLPsych), we adopt the theme "understanding the mental health state – going beyond classification".

CLPsych was a hybrid workshop that accommodated both in-person and remote participation. It was collocated with NAACL'25, which took place in Albuquerque, New Mexico, USA on May 3rd, 2025. Since 2014, CLPsych has been successful in bringing together people from different backgrounds (e.g. mental health experts, clinicians, and computational linguists), to share and discuss their work and results. Its central goal is to build bridges so that these different disciplines can integrate to improve our understanding of mental health issues, and to deliver better mental health treatments and diagnoses to everybody.

The CLPsych 2025 Shared Task focused on capturing mental health dynamics from social media timelines, through a novel multi-task framework grounded in the transtheoretical MIND approach. Building on CLPsych 2022's longitudinal modeling approach, it combines monitoring mental states with evidence and summary generation through four subtasks: (A.1) Evidence Extraction, highlighting text spans reflecting adaptive or maladaptive self-states; (A.2) Well-Being Score Prediction, assigning posts a 1 to 10 score based on social, occupational, and psychological functioning; (B) Post-level Summarization of the interplay between adaptive and maladaptive states within individual posts; and (C) Timeline-level Summarization capturing temporal dynamics of self-states over posts in a timeline. Overall, 14 teams completed the shared task, proposing solutions from traditional machine learning methods with domain-specific features to LLM pipelines with demonstration and retrieval. The results shed light on the complexity of capturing mental health states beyond static classification and offer directions for future work.

Our program committee included mental health and technological experts, in order to provide all the papers with more informative feedback that addresses both aspects. CLPsych'25 received a total of 31 papers for the main workshop, of which 15 were accepted; all 11 submitted shared task papers were also accepted. The organizing committee, with the help of the program committee scores, and feedback chose 6 main workshop papers and 4 shared task papers as oral presentations, and the rest were presented in the poster session.

CLPsych'25 also hosted excellent invited speakers and panelists. Our keynote speakers were Zac Imel (University of Utah), and Zohar Elyoseph (University of Haifa). Additionally, we hosted a panel that included short talks and discussion by Philip Resnik (University of Maryland, College Park), Sunny Tang (Hofstra/Northwell University), and moderated by Steven Bedrick (Oregon Health & Science University).

The CLPsych organizing committee would like to extend special thanks to all the people that helped make the workshop a success. This includes and is not limited to our authors, shared task participants and organizers, program committee members. We also would like to thank the North American chapter

of the Association for Computational Linguistics for making this workshop possible and to Philip Resnik who assisted with general advice. Special thanks to our generous sponsors: Ariel University. Their funds helped to support the workshop's program, and provided support for attendees that don't have the financial means to cover their registration costs.

Ayah Zirikly, Andrew Yates, Kfir Bar, Bart Desmet, Molly Ireland, Sean MacAvaney, Yaakov Ophir, and Steven Bedrick.

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Organizing Committee

Workshop Co-chairs

Ayah Zirikly, Johns Hopkins University
Andrew Yates, Johns Hopkins University

Organizing Committee

Bart Desmet, National Institutes of Health
Molly Ireland, Receptiviti
Steven Bedrick, Oregon Health & Science University
Sean MacAvaney, University of Glasgow
Kfir Bar, Reichman University
Yaakov Ophir, Ariel University & University of Cambridge

Shared Task Organizers

Jenny Chim, Queen Mary University of London
Talia Tseriotou, Queen Mary University of London
Dana Atzil Slonim, Bar-Ilan University
Ayal Klein, Bar-Ilan University
Aya Shamir, Bar-Ilan University
Ayah Zirikly, Johns Hopkins University
Maria Liakata, Queen Mary University of London & The Alan Turing Institute

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Karina Halevy, Carnegie Mellon University
Patrick Healey, Queen Mary, University of London
Heyuan Huang, Johns Hopkins University
Zac Imel, University of Utah
Loring Ingraham, George Washington University
Molly Ireland, Receptiviti
Zehan Li, UTHealth
Maria Liakata, Queen Mary University of London
Siyang Liu, university of michigan
Antolin Llorente, Depts Pediatrics/Psychiatry, Penn State Hershey, College of Medicine
Sarah Morgan, King's College London
Thong Nguyen, University of Amsterdam
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Program

Saturday, May 3, 2025

08:45 - 08:55	*Workshop Intro*
08:55 - 09:30	*Keynote 1*
09:30 - 10:30	*Paper Session 1*
10:30 - 11:00	*Break*
11:00 - 12:00	*Panel*
12:00 - 13:00	*Shared Task Session*
13:00 - 14:15	*Lunch*
14:15 - 14:50	*Keynote 2*
14:50 - 15:30	*Poster Session*
15:30 - 16:00	*Break*
16:00 - 17:00	*Paper Session 2*
17:00 - 17:15	*Closing Remarks*