Exploring the Potential of AI Chatbots as Psychoeducational Tools for Patients with Psychosis

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OBJECTIVES/BACKGROUND

- Advanced language models like ChatGPT have shown promise in enhancing mental healthcare delivery.
- Psychoeducation, which relies on consistent and accessible information, may benefit from these tools.
- This study examines ChatGPT's competency in delivering accurate, clear, and clinically useful information for patient with psychosis.

METHOD

Focus Areas: Responses to 20 common parental questions (check QR-code) related to NCH pediatric outpatient psychosis clinic.

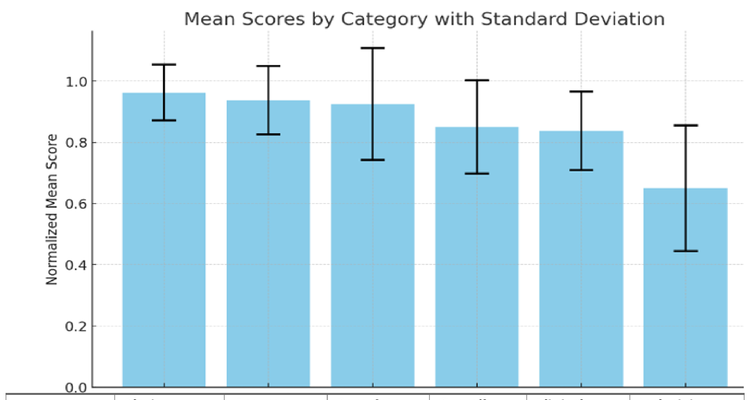
Evaluators: One board-certified clinical psychiatrist and a clinical psychologist (Co-authors MY, and IM) assessed and rated the responses

Framework for Evaluation: Six criteria were used to assess ChatGPT's responses:

- **Accuracy** (factual correctness)
- **Clarity** (understandability)
- **Inclusivity** (cultural sensitivity)
- **Completeness** (coverage of all aspects of the question)
- **Clinical Utility** (practical relevance in clinical settings)
- **Overall Score** (summary measure across all criteria)

ChatGPT is a promising psychoeducational tool for psychosis patients and caregivers due to its accessibility, clarity, and clinical relevance.

RESULTS



	Clarity	Accuracy	Complete.	Overall score	Clinical Utility	Inclusivity
Mean (SD)	2.925 (.1832)	2.875 (.2221)	0.925 (.1832)	3.550 (.4560)	4.350 (.5155)	2.300 (.4104)
Median	3.000	3.000	1.000	3.500	4.500	2.000
IQR	0.0	0.4	0.0	0.9	0.9	0.5
Min-max	2.5-3.0	2.5-3.0	0.5-1.0	2.5-4.0	3.5-5.0	2.0-3.0
Scale range	1-3	1-3	0-1	1-4	1-5	1-3

DISCUSSION

- ChatGPT shows promise as a psychoeducational tool, offering accessible, instant information to support parents and caregivers.
- It can complement clinicians by providing consistent educational resources, allowing more focus on complex tasks.
- Clarity of information needs improvement to ensure parent-friendly explanations, especially in emotionally sensitive cases.
- Medical jargon and complex topics may lead to confusion if not tailored effectively for diverse audiences.
- Broader application of AI could enhance its utility across different mental health conditions.
- Integrating multilingual and translation capabilities can increase accessibility in diverse clinical settings.

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