



REVIEW ARTICLE

Section: Health & Life Sciences

Published by Novapex Publishers Ltd, Kenya, in the *International Journal of Interdisciplinary Research & Innovation (IJIRI)*, Volume 1, Issue 1, 2026.

E - ISSN: (Applied)
P - ISSN: (Applied)

Exploring the landscape of mental health: A comprehensive review of current research trends and insights

Ahmed Megawer Abdelalim^{1*}

¹College of Languages and Humanities, Qassim University, KSA

 <https://orcid.org/0000-0002-0698-8035>

*Corresponding author's email: a.abdelalim@qu.edu.sa

Article Details

Received: 01 February 2026

Revised: 11 February 2026

Accepted: 20 March 2025

Published: 19 April 2026

Conflict of Interest: The author/s declared no conflict of interest.



How to Cite:

Abdelalim, A. M. (2026). Exploring the landscape of mental health: A comprehensive review of current research trends and insights. *International Journal of Interdisciplinary Research and Innovation*, 1(1), 67-76. <https://journals.novapexpublishers.com/interdisciplinary/article/view/20>

ABSTRACT

This comprehensive literature review examines the evolving landscape of mental health research from 2021 to 2026, synthesizing findings from 20 peer-reviewed studies that represent diverse methodological approaches and thematic domains. The review reveals several transformative trends reshaping mental health research and practice: the rapid integration of artificial intelligence and digital technologies into mental healthcare delivery, growing recognition of biological determinants including nutrition and the gut microbiome, increased attention to vulnerable populations and health equity, and the emergence of novel therapeutic modalities. Key insights demonstrate that while technological innovations offer unprecedented opportunities for early detection and personalized interventions, they also raise critical ethical concerns regarding privacy, bias, and the preservation of human connection in therapeutic relationships. The synthesis highlights persistent challenges in global mental health equity, the complex relationship between social media and adolescent wellbeing, and the need for culturally sensitive, evidence-based approaches. This review provides researchers, clinicians, and policymakers with a comprehensive understanding of current trajectories in mental health research and identifies critical priorities for future investigation.

KEYWORDS: mental health research trends, artificial intelligence in healthcare, digital mental health interventions, gut-brain axis, health equity in mental health



1. Introduction

Mental health has emerged as one of the most pressing public health challenges of the 21st century, with the global burden of mental disorders continuing to rise across diverse populations and contexts. The period from 2021 to 2026 has witnessed unprecedented changes in mental health research, driven by technological innovations, the COVID-19 pandemic's lasting impacts, and growing recognition of mental health as integral to overall wellbeing. This comprehensive review synthesizes current research trends and insights from recent peer-reviewed literature, examining how the field is evolving in response to emerging challenges and opportunities.

The landscape of mental health research has become increasingly interdisciplinary, integrating perspectives from neuroscience, computer science, nutrition science, sociology, and clinical psychology. Researchers are employing diverse methodological approaches—from systematic reviews and randomized controlled trials to large-scale population studies and qualitative investigations—to understand the complex determinants of mental health and develop effective interventions. This review examines key thematic domains that have shaped recent mental health research, including technological innovations, biological and lifestyle factors, therapeutic advances, health equity concerns, and the impact of digital culture on psychological wellbeing.

Understanding these research trends is essential for multiple stakeholders. Clinicians require evidence-based knowledge to inform treatment decisions and adopt emerging interventions. Policymakers need comprehensive insights to allocate resources effectively and develop mental health strategies that address population needs. Researchers must identify gaps in current knowledge to guide future investigations. This review aims to provide all stakeholders with a synthesized understanding of where mental health research currently stands and where it is heading.

2. Technological Innovations in Mental Healthcare

2.1 Artificial Intelligence and Machine Learning Applications

Artificial intelligence has emerged as a transformative force in mental healthcare, offering unprecedented capabilities for early detection, diagnosis, and personalized treatment. Olawade et al. (2024) conducted a comprehensive review revealing AI's potential in early detection of mental health disorders, development of personalized treatment plans, and creation of AI-driven virtual therapists. Their analysis of multiple databases identified current applications while highlighting critical ethical challenges concerning privacy, bias mitigation, and preservation of the human element in therapy. The authors emphasized that responsible implementation requires clear regulatory frameworks, transparent validation of AI models, and continuous research and development efforts.

A complementary narrative review by Alhuwaydi et al. (2024) explored AI's role in mental healthcare, examining current trends and future directions. This work underscored how recent AI advances have revolutionized approaches to mental illness, offering new paradigms for understanding and treating psychological disorders. The convergence of machine learning algorithms with clinical expertise represents a significant shift in mental healthcare delivery, enabling data-driven insights that were previously unattainable.

The integration of AI into mental health services reflects broader trends toward precision medicine and personalized healthcare. These technologies promise to address longstanding challenges in mental health, including limited access to care, delayed diagnosis, and one-size-fits-all treatment approaches. However, the rapid deployment of AI systems also necessitates careful consideration of ethical implications and potential unintended consequences.

2.2 Digital Mental Health Interventions and Chatbots

The proliferation of chatbot-based mental health applications represents a significant development in digital mental health interventions. Haque et al. (2022) conducted an exploratory analysis of 10

commercially available mental health chatbots, examining 6,245 user reviews from Google Play Store and Apple App Store. Their findings revealed that while users appreciated chatbots' personalized, humanlike interactions and 24/7 availability, significant limitations emerged. Improper responses and assumptions about user personalities led to loss of interest, and chatbots demonstrated inadequate capability in identifying and responding to mental health crises. The study highlighted both the potential for chatbots to provide accessible support and the risks of over-reliance on technology, including user isolation and insufficient crisis assistance.

Freitas et al. (2023) examined the safety of generative AI in mental health contexts through field evidence and performance testing of companion AI applications. Their research revealed concerning findings: mental health crises appeared in a non-negligible minority of user conversations, yet companion AIs often failed to recognize and respond appropriately to signs of distress. Consumers displayed negative reactions to unhelpful and risky chatbot responses, highlighting emerging reputational risks for generative AI companies. These findings underscore the critical importance of rigorous safety testing and ongoing monitoring of AI-based mental health interventions.

2.3 Ethical Considerations and Safety Concerns

The rapid integration of AI and digital technologies into mental healthcare has outpaced the development of comprehensive ethical frameworks and safety standards. Both Olawade et al. (2024) and Freitas et al. (2023) emphasized the urgent need for regulatory oversight and ethical guidelines. Key concerns include data privacy and security, algorithmic bias that may perpetuate health disparities, the potential for technology to replace rather than augment human therapeutic relationships, and the risk of harm when AI systems fail to recognize crisis situations.

These ethical challenges are particularly acute given the vulnerable nature of individuals seeking mental health support. The “black box” nature of many AI algorithms makes it difficult to predict how conversations will unfold or to ensure consistent, appropriate responses. As digital mental health interventions continue to proliferate, establishing robust safety standards and accountability mechanisms becomes increasingly critical.

3. Biological and Lifestyle Determinants of Mental Health

3.1 Nutrition and Mental Wellbeing

The relationship between nutrition and mental health has gained substantial research attention, with evidence increasingly supporting the role of dietary factors in psychological wellbeing. Muscaritoli (2021) provided a comprehensive review examining how specific micro- and macronutrients—including eicosapentaenoic acid, docosahexaenoic acid, alpha-tocopherol, magnesium, and folic acid—influence mental health outcomes. The review synthesized evidence demonstrating positive effects of these nutrients on stress management, sleep disorders, anxiety, mild cognitive impairment, and neuropsychiatric disorders. The author emphasized that these nutrients support normal brain function and mental wellbeing through mechanisms including control of neuroinflammation, and recommended their integration into a well-balanced diet accompanied by healthy lifestyle practices.

Hepsomali et al. (2021) conducted a large-scale cross-sectional study using UK Biobank data from 502,494 middle-aged adults to investigate relationships among diet, sleep, and mental health. Their analysis revealed positive associations between healthy diet patterns and both sleep quality and mental health, with particular benefits observed for high intakes of vegetables, fruit, fish, water, and fiber. Conversely, processed meat and milk intake showed adverse associations with sleep and mental health outcomes. While these findings demonstrate clear correlations, the authors appropriately noted that causal relationships remain to be established through intervention studies.

3.2 The Gut-Brain Axis and Microbiome Research

Emerging research on the gut-brain axis represents a paradigm shift in understanding biological determinants of mental health. Shoubridge et al. (2022) reviewed recent advances in gut microbiome research and its implications for mental health outcomes. Their analysis highlighted how gut microbiota influence neurophysiology and mental health through complex bidirectional communication pathways. This research domain has identified the gut microbiome as a potential therapeutic target for mental health interventions, opening new avenues for treatment development.

The microbiome-mental health connection exemplifies the increasingly sophisticated understanding of biological systems underlying psychological wellbeing. This research integrates insights from microbiology, neuroscience, immunology, and psychiatry, demonstrating the value of interdisciplinary approaches to mental health research.

3.3 Physical Activity and Exercise

The relationship between physical activity and mental health has been extensively documented, with recent research providing deeper insights into underlying mechanisms. Martín-Rodríguez et al. (2024) conducted a narrative review synthesizing evidence on the interplay between sports practice and psychological health. Their comprehensive analysis revealed that sports induce neurochemical changes, enhance brain functions including memory and learning, and provide protection against cognitive decline. Regular exercise demonstrated benefits for emotional regulation, resilience, cognitive function, and treatment of psychological conditions. The authors emphasized the importance of integrating physical and psychological strategies to enhance overall wellbeing, particularly when combined with mindfulness practices.

3.4 Sleep and Mental Health Interactions

The bidirectional relationship between sleep and mental health represents a critical area of investigation. As noted in the UK Biobank study by Hepsomali et al. (2021), sleep quality showed strong associations with both dietary patterns and mental health outcomes. The authors observed that dietary factors influencing sleep may indirectly affect mental health, or vice versa, highlighting the complex interplay among these domains. Understanding these relationships is essential for developing comprehensive interventions that address multiple determinants of mental wellbeing simultaneously.

4. Therapeutic Approaches and Clinical Advances

4.1 Cognitive-Behavioral Therapy Innovations

Cognitive-behavioral therapy remains a cornerstone of evidence-based mental health treatment, with ongoing innovations in delivery methods and applications. Nakao et al. (2021) reviewed CBT effectiveness across diverse populations and conditions, examining 345 articles including 45 randomized controlled trials. Their analysis demonstrated CBT efficacy for mental problems including anxiety disorders, attention deficit hyperactivity disorder, bulimia nervosa, depression, and hypochondriasis, as well as physical conditions such as chronic fatigue syndrome, fibromyalgia, and irritable bowel syndrome. Importantly, the review identified recent advances in CBT delivery, including online CBT and self-help CBT using mobile applications. While these innovations show promise for improving accessibility and cost-effectiveness, the authors emphasized the need for careful application considering population-specific factors and long-term follow-up to assess sustained effects.

4.2 Mental Healthcare for Older Adults

The aging global population has necessitated increased attention to mental health needs of older adults. Reynolds et al. (2022) examined recent advances and new directions in mental healthcare for older populations, addressing the substantial burden of mental health problems in this demographic. Their

review highlighted prevention strategies, recent treatment advances, and emerging care models designed to address the unique challenges faced by older adults, including ageism, comorbid physical health conditions, and disability. The authors emphasized the importance of age-appropriate interventions that consider the biological, psychological, and social changes associated with aging.

4.3 Music Engagement and Mental Health

The therapeutic potential of music engagement has received growing research attention. Gustavson et al. (2021) conducted a scoping review examining associations between music engagement and mental health across broad diagnostic domains including internalizing psychopathology, externalizing psychopathology, and thought disorders. While existing studies indicated positive associations between music engagement and quality of life, reduced depression and anxiety symptoms, and less frequent substance use, the authors noted methodological limitations in earlier investigations. They proposed a comprehensive theoretical model for future research that considers correlated genetic and environmental influences, interactions with genetic risk factors, treatment efficacy, and mediation through brain structure and function. The authors highlighted how recent advances in large-scale data collection—including genetic, neuroimaging, and electronic health record studies—enable more rigorous examination of music-mental health associations and their neurobiological substrates.

5. Vulnerable Populations and Health Equity

5.1 Global Mental Health Perspectives

Mental health inequities persist globally, with vulnerable populations disproportionately affected by mental illness and facing significant barriers to care. Moitra et al. (2023) summarized recent findings in global mental health across multiple domains including socioeconomic determinants, inequities, funding, and inclusion in research and practice. Their review revealed that mental illness continues to disproportionately impact vulnerable populations, with treatment coverage remaining low globally. While advances in integrating mental health care and adopting task-shifting approaches show promise, implementation challenges persist. The authors noted that recent global events—including the COVID-19 pandemic, geopolitical conflicts, and environmental change—have created lasting mental health impacts requiring coordinated care approaches. They emphasized growing efforts to include people with lived experiences of mental health conditions in research and policy-shaping efforts, representing important progress toward more equitable and responsive mental health systems.

Carter et al. (2021) examined the emergence of digital mental health in low- and middle-income countries, reviewing recent advances and implications for treatment and prevention. This work highlighted how digital technologies may help address the substantial treatment gap in resource-limited settings, while also noting challenges related to infrastructure, digital literacy, and cultural adaptation of interventions.

5.2 Maternal Mental Health

Maternal mental health represents a critical area requiring targeted attention and culturally responsive interventions. Matthews et al. (2021) examined pathways to equitable and antiracist maternal mental health care through insights from Black women stakeholders, including mental health practitioners, researchers, and individuals with lived experience. Their work highlighted how racism and structural inequities affect maternal mental health outcomes and identified strategies for addressing these systemic barriers.

Trost et al. (2021) analyzed pregnancy-related mental health deaths using data from 14 US Maternal Mortality Review Committees spanning 2008-2017. Their examination of maternal mortality data revealed the significant contribution of mental health conditions to pregnancy-related deaths, underscoring the need for improved screening, intervention, and support systems for pregnant and

postpartum individuals experiencing mental health challenges.

5.3 Doctoral Students and Academic Populations

Mental health concerns among doctoral students have gained increasing recognition as a significant issue in higher education. Jackman et al. (2021) conducted a systematic mixed studies review synthesizing research on mental health and psychological wellbeing in early-stage doctoral students. Their analysis of 26 studies revealed limited evidence regarding prevalence of mental health concerns and effects of the transition to doctoral study on wellbeing. However, the synthesis generated important understanding of factors related to mental health in this population. The authors identified the early stage of doctoral study as a prime opportunity for early intervention and prevention strategies, emphasizing the need for high-quality research to inform development of effective support programs.

5.4 Cross-Cultural Considerations

Cross-cultural factors significantly influence mental health research, assessment, and intervention. Kotera et al. (2024) highlighted two critical cross-cultural issues identified from global mental health research: self-enhancement and ingroup biases. Self-enhancement refers to the tendency to maintain unrealistically positive self-views, while ingroup biases involve differential evaluation of individuals belonging to one's social group. The authors discussed how these biases, influenced by individualism versus collectivism, affect self-report measures across cultures. They argued that global mental health research using concepts, outcomes, and methods aligned with individualism may disadvantage people and services oriented toward collectivism. Addressing these biases is essential for achieving global mental health equity and human rights objectives.

6. Social Media and Digital Culture

6.1 TikTok and Adolescent Mental Health

The rapid rise of highly visual social media platforms has raised concerns about impacts on adolescent mental health. Conte et al. (2024) conducted a systematic scoping review examining the relationship between TikTok use and adolescent mental health, following PRISMA guidelines. Their analysis of 20 studies encompassing 17,336 subjects from 10 countries revealed concerning patterns. While TikTok offers creative opportunities for self-expression and peer connection, the literature raised concerns about negative effects including lower life satisfaction, increased risk of "contagion" of psychiatric symptoms, and problematic usage patterns. The review identified four main topics: overall impact on mental health, risk of problematic use and behavioral addiction, consequences on body image and self-esteem, and possible spreading of mental illness behaviors. The authors emphasized that type of TikTok use and psychological characteristics of users may influence whether outcomes are positive or negative, calling for developmentally grounded research to inform health authorities and policymakers.

6.2 Digital Wellness and Tourism

The intersection of wellness, tourism, and mental health represents an emerging area of investigation. Majeed et al. (2022) conducted a scoping review of wellness tourism literature from 2000-2021, analyzing 105 sources. Their findings revealed that tourists expect a combination of conventional medical treatments, alternative health treatments, and tourist attractions as part of wellness tourism to improve health and wellbeing. The study provided insights into how wellness tourism components impact cognitive responses, health and wellbeing, and behavioral intentions. This research highlights growing consumer interest in holistic approaches to mental health and wellbeing that integrate travel, leisure, and therapeutic experiences.

7. Discussion

7.1 Synthesis of Major Themes

This comprehensive review reveals several overarching themes shaping contemporary mental health research. First, technological innovation—particularly artificial intelligence and digital interventions—represents both tremendous opportunity and significant risk. While AI-driven tools promise to enhance accessibility, personalization, and early detection of mental health concerns, they also raise critical ethical questions about privacy, bias, safety, and the potential erosion of human connection in therapeutic relationships. The field must navigate these tensions carefully, prioritizing rigorous evaluation and ethical oversight alongside innovation.

Second, the growing body of evidence on biological and lifestyle determinants of mental health underscores the importance of holistic, integrative approaches to mental wellbeing. Research on nutrition, the gut microbiome, physical activity, and sleep demonstrates that mental health cannot be understood in isolation from physical health and lifestyle factors. This recognition supports the development of comprehensive interventions addressing multiple determinants simultaneously.

Third, persistent inequities in mental health outcomes and access to care demand continued attention to vulnerable populations and structural determinants of health. Research examining global mental health, maternal mental health, academic populations, and cross-cultural factors reveals how social, economic, and cultural contexts shape mental health experiences and outcomes. Achieving mental health equity requires not only expanding access to evidence-based interventions but also addressing underlying structural barriers and developing culturally responsive approaches.

Fourth, the complex relationship between digital culture—particularly social media—and mental health, especially among adolescents, requires nuanced understanding. While digital platforms offer opportunities for connection, self-expression, and support, they also pose risks including problematic use patterns, negative impacts on self-esteem, and potential contagion of mental health symptoms. Research must continue to elucidate mechanisms underlying both positive and negative effects to inform evidence-based guidance for users, parents, educators, and policymakers.

7.2 Methodological Considerations

The reviewed literature employed diverse methodological approaches, each with distinct strengths and limitations. Systematic and scoping reviews (Conte et al., 2024; Gustavson et al., 2021; Jackman et al., 2021; Majeed et al., 2022; Muscaritoli, 2021; Nakao et al., 2021; Reynolds et al., 2022; Shoubridge et al., 2022) provided comprehensive syntheses of existing evidence, identifying patterns and gaps in current knowledge. However, the quality of these syntheses depends on the rigor and quality of underlying primary studies.

Large-scale population studies, exemplified by the UK Biobank analysis (Hepsomali et al., 2021), offer substantial statistical power and generalizability but are limited by their cross-sectional nature, which precludes causal inference. Narrative reviews (Alhuwaydi et al., 2024; Martín-Rodríguez et al., 2024; Olawade et al., 2024) provide valuable conceptual integration but may be subject to selection bias in included studies.

Qualitative and mixed-methods approaches examining user experiences with digital mental health tools (Freitas et al., 2023; Haque et al., 2022) offer rich insights into real-world implementation challenges and user perspectives that complement quantitative efficacy data. The field would benefit from continued methodological diversity, with particular emphasis on longitudinal designs, intervention studies establishing causality, and implementation research examining how evidence-based practices can be effectively deployed in diverse real-world contexts.

7.3 Limitations and Gaps in Current Research

Several important limitations and gaps emerge from this review. First, many studies acknowledge

insufficient evidence regarding causal relationships, particularly in research on nutrition, sleep, and mental health. While correlational findings are valuable, intervention studies are needed to establish whether modifying these factors produces meaningful improvements in mental health outcomes.

Second, long-term follow-up data remain limited across multiple domains, including digital interventions, CBT innovations, and AI-based tools. Understanding sustained effects and potential delayed consequences is essential for comprehensive evaluation of interventions.

Third, research on vulnerable populations, while growing, remains insufficient relative to need. Maternal mental health, particularly among marginalized communities, requires expanded investigation. Mental health in low- and middle-income countries remains understudied despite bearing a disproportionate burden of mental illness.

Fourth, the rapid pace of technological change creates challenges for research to keep pace. By the time studies on specific digital platforms or AI tools are published, the technologies may have evolved substantially, potentially limiting applicability of findings.

Fifth, cross-cultural research remains limited, with many studies conducted in Western, educated, industrialized, rich, and democratic (WEIRD) populations. Expanding research to diverse cultural contexts and addressing issues of self-enhancement and ingroup biases is essential for developing globally applicable knowledge.

8. Future Directions and Recommendations

Based on this comprehensive review, several priorities emerge for future mental health research and practice:

Technological Innovation and Ethics: Continue developing AI and digital mental health interventions while establishing robust ethical frameworks, safety standards, and regulatory oversight. Prioritize transparency in AI algorithms, rigorous safety testing, and ongoing monitoring of real-world implementation. Ensure that technological innovations augment rather than replace human therapeutic relationships.

Intervention Research: Conduct rigorous intervention studies, particularly randomized controlled trials with adequate follow-up periods, to establish causal relationships between modifiable factors (nutrition, physical activity, sleep) and mental health outcomes. Examine optimal combinations of interventions addressing multiple determinants simultaneously.

Implementation Science: Expand implementation research examining how evidence-based interventions can be effectively deployed in diverse real-world settings, including resource-limited contexts. Address barriers to adoption and sustainability of effective interventions.

Health Equity: Prioritize research on vulnerable and underserved populations, including maternal mental health, global mental health in low- and middle-income countries, and marginalized communities within high-income countries. Develop and evaluate culturally responsive interventions that address structural determinants of mental health inequities.

Lifespan Approaches: Expand research across the lifespan, from adolescence through older adulthood, recognizing developmental considerations in mental health risk, resilience, and intervention effectiveness.

Mechanistic Understanding: Invest in research elucidating biological, psychological, and social mechanisms underlying mental health and illness. Integrate insights from neuroscience, genetics, immunology, and social sciences to develop comprehensive models of mental health.

Digital Culture: Continue investigating the complex relationship between social media, digital culture, and mental health, particularly among adolescents. Develop evidence-based guidance for healthy digital engagement and identify factors that moderate positive versus negative effects.

Methodological Innovation: Employ diverse methodological approaches, including longitudinal designs, mixed methods, and large-scale data integration (genetic, neuroimaging, electronic health records). Develop novel analytical approaches that can handle complex, multi-level data.

Stakeholder Engagement: Expand inclusion of individuals with lived experience of mental health conditions in all phases of research, from priority-setting through dissemination. Ensure that research addresses questions meaningful to those most affected by mental health challenges.

9. Conclusion

The landscape of mental health research from 2021 to 2026 reflects a field in dynamic transformation, characterized by technological innovation, expanding biological understanding, growing attention to health equity, and increasing methodological sophistication. This comprehensive review of 20 peer-reviewed studies reveals both remarkable progress and persistent challenges in understanding and addressing mental health.

Technological advances, particularly in artificial intelligence and digital interventions, offer unprecedented opportunities to enhance accessibility, personalization, and effectiveness of mental healthcare. However, these innovations must be accompanied by rigorous ethical oversight, safety standards, and commitment to preserving human connection in therapeutic relationships. The growing evidence base on biological and lifestyle determinants—including nutrition, the gut microbiome, physical activity, and sleep supports holistic, integrative approaches to mental wellbeing that address multiple determinants simultaneously.

Persistent inequities in mental health outcomes and access to care demand continued focus on vulnerable populations and structural determinants of health. Research examining global mental health, maternal mental health, academic populations, and cross-cultural factors reveals the profound influence of social, economic, and cultural contexts on mental health experiences. Achieving mental health equity requires not only expanding access to evidence-based interventions but also addressing underlying structural barriers and developing culturally responsive approaches.

The complex relationship between digital culture, particularly social media, and mental health—especially among adolescents requires nuanced understanding and evidence-based guidance. As the field continues to evolve, priorities must include rigorous intervention research establishing causal relationships, implementation science examining real-world deployment of effective interventions, mechanistic research elucidating underlying pathways, and meaningful engagement of individuals with lived experience in all phases of research.

Mental health research stands at a critical juncture, with unprecedented tools and knowledge available to address one of the most pressing public health challenges of our time. Realizing the potential of current advances requires sustained investment, ethical commitment, methodological rigor, and unwavering focus on equity and human dignity. By building on the strong foundation evident in recent research while addressing identified gaps and limitations, the field can continue advancing toward the goal of mental health and wellbeing for all.

References

- Alhuwaydi, A. M., et al. (2024). Exploring the role of artificial intelligence in mental healthcare: Current trends and future directions—A narrative review for a comprehensive insight. *Journal name not specified*.
- Carter, H., et al. (2021). The emergence of digital mental health in low-income and middle-income countries: A review of recent advances and implications for the treatment and prevention of mental disorders. *Journal name not specified*.
- Conte, F., et al. (2024). Scrolling through adolescence: A systematic review of the impact of TikTok on adolescent mental health. *European Child & Adolescent Psychiatry*. <https://doi.org/10.1007/s00787-024-02581-w>
- Freitas, D., et al. (2023). Chatbots and mental health: Insights into the safety of generative AI. *Journal of Consumer Psychology*. <https://doi.org/10.1002/jcpsy.1393>
- Gustavson, D. E., et al. (2021). Mental health and music engagement: Review, framework, and guidelines for future studies. *Translational Psychiatry*. <https://doi.org/10.1038/S41398-021-01483-8>
- Haque, M. S., et al. (2022). An overview of chatbot-based mobile mental health apps: Insights from app description and user reviews. *JMIR mHealth and uHealth*. <https://doi.org/10.2196/44838>
- Hepsomali, P., et al. (2021). Diet, sleep, and mental health: Insights from the UK biobank study. *Nutrients*. <https://doi.org/10.3390/NU13082573>
- Inkster, B. (2021). Mental Health Data Insights Group (DMHDIG): Early warning signs of a mental health tsunami: A coordinated response to gather initial data insights. *Journal name not specified*.
- Jackman, P. C., et al. (2021). Mental health and psychological wellbeing in the early stages of doctoral study: A systematic review. *European Journal of Higher Education*. <https://doi.org/10.1080/21568235.2021.1939752>
- Kotera, Y., et al. (2024). Cross-cultural insights from two global mental health studies: Self-enhancement and ingroup biases. *International Journal of Mental Health and Addiction*. <https://doi.org/10.1007/s11469-024-01307-y>
- Majeed, S., et al. (2022). Emerging trends in wellness tourism: A scoping review. *Journal of Hospitality and Tourism Insights*. <https://doi.org/10.1108/jhti-02-2022-0046>
- Martín-Rodríguez, A., et al. (2024). Sporting mind: The interplay of physical activity and psychological health. *Sports*. <https://doi.org/10.3390/sports12010037>
- Matthews, A., et al. (2021). Pathways to equitable and antiracist maternal mental health care: Insights from Black women stakeholders. *Journal name not specified*.
- Moitra, M., et al. (2023). Global mental health: Where we are and where we are going. *Current Psychiatry Reports*. <https://doi.org/10.1007/s11920-023-01426-8>
- Muscaritoli, M. (2021). The impact of nutrients on mental health and well-being: Insights from the literature. *Frontiers in Nutrition*. <https://doi.org/10.3389/FNUT.2021.656290>
- Nakao, M., et al. (2021). Cognitive-behavioral therapy for management of mental health and stress-related disorders: Recent advances in techniques and technologies. *Biopsychosocial Medicine*. <https://doi.org/10.1186/S13030-021-00219-W>
- Olawade, D. B., et al. (2024). Enhancing mental health with Artificial Intelligence: Current trends and future prospects. <https://doi.org/10.1016/j.glmedi.2024.100099>
- Reynolds, C. F., et al. (2022). Mental health care for older adults: Recent advances and new directions in clinical practice and research. *World Psychiatry*. <https://doi.org/10.1002/wps.20996>
- Shoubridge, A. P., et al. (2022). The gut microbiome and mental health: Advances in research and emerging priorities. *Molecular Psychiatry*. <https://doi.org/10.1038/s41380-022-01479-w>
- Trost, S. L., et al. (2021). Pregnancy-related mental health deaths: Insights from 14 US Maternal Mortality Review Committees, 2008–17. *Journal name not specified*.