Digital Mental Health
Current Awareness Bulletin
December 2020

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RECENT PUBLICATIONS

AI and Machine Learning

Predicting the individual risk of psychosis conversion in at-risk mental state (ARMS): a multivariate model reveals the influence of nonpsychotic prodromal symptoms
Bourgin et al; European Child and Adolescent Psychiatry

Psychiatric comorbid disorders of cognition: a machine learning approach using 1175 UK Biobank participants
Gheorghe et al; Evidence Based Mental Health

Beyond abstinence and relapse: Cluster analysis of drug-use patterns during treatment as an outcome measure for clinical trials
Panlilio et al; Psychopharmacology

Risk of Suicide and Self-harm in Kids: The Development of an Algorithm to Identify High-Risk Individuals Within the Children's Mental Health System
Stewart et al; Child Psychiatry and Human Development

Prospective prediction of PTSD diagnosis in a nationally representative sample using machine learning
Worthington et al; BMC Psychiatry

Internet-based and Telehealth

Adolescent Patient Engagement Through Telepsychiatry: A Case Report Application
Johnson; Journal of Psychosocial Nursing & Mental Health Services

An effectiveness study of a digital mindfulness-based program for upper secondary education students
Lahtinen; Mindfulness

A visual step-by-step guide for clinicians to use video consultations in mental health services: NHS examples of real-time practice in times of normal and pandemic healthcare delivery
Johns et al; BJPsych Bulletin

Smartphones and Apps

Mental health mobile application usage in young adults with a family history of mental illness
Schlage and Perich; Australian Psychologist

Daily self-reported and automatically generated smartphone-based sleep measurements in patients with newly diagnosed bipolar disorder, unaffected first-degree relatives and healthy control individuals
Stanislaus et al; Evidence Based Mental Health

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'Help for trauma from the app stores?' a systematic review and standardised rating of apps for Post-Traumatic Stress Disorder (PTSD)
Sander et al; European Journal of Psychotraumatology

Virtual Reality

A virtual reality study of cognitive biases in body dysmorphic disorder
Summers et al; Journal of Abnormal Psychology

Other

Digital Clinical Trials for Substance Use Disorders in the Age of Covid-19
Brezing et al; Journal of Addiction Medicine

Mental health dished up—The use of iPSC models in neuropsychiatric research
McNeill et al; Journal of Neural Transmission

Scaling evidence-based treatments through digital mental health
Schueller and Torous; American Psychologist

NEWS

Digital Health Reading and Research Group
Digital Health Software
Weekly reading group, Tuesdays 9.15am - 9.45am

National project shows digital inclusion is key to tackling health inequalities
NHSX

The digital revolution: eight technologies that will change health and care
The King's Fund

NHS Digital sets up trusted data platform for research
UK Authority

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