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The Memind Project: a New Web-based Mental Health Tracker Designed for Clinical Management and Research.

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The total cost of mental illness in Europe was estimated at 800 billion euros per year in 2011, more than the combined cost of cardiovascular disease, diabetes and cancer. Despite prevention efforts, over 1 million people die due to suicide and 10 to 20 million people attempt suicide every year. The development of treatment programs deals with psychopathological, neurobiological, sociodemographic, cultural and ethical issue. Over the last decade, medical assessments have been supported by the emergence of data collection tools, such as electronic health records (EHR) and personal health records (PHR). These tools are used to enhance communication between medical providers, patients and caregivers. They offer new opportunities for medical decision-making and patient communication.

The MEmind project is a longitudinal observational study proposed to patients suffering from mental disorders. This mental health tracker embodies the EHR and PHR, monitoring and interventional systems. Since July 2014, 6000 patients have participated in the study. Based on the patient's experience of the MEmind project, we will first present the results of an acceptability study of the bi-modal mental health tracker. Then we will explore the effects of the mental health tracker on psychopharmacological monitoring and management. Finally, we will discuss the potential of such tools in preventing suicide attempts.