Letter to Editor

A new delivery model to increase adherence to methadone maintenance treatment

Dear Editor,

Today, a large number of Iranian addicts are treated in methadone maintenance treatment (MMT) centers (1). According to the current procedure, each patient has treatment record in only one clinic. So, each patient is able to get prescribed medications and other medical services of the center. Receiving drugs and center-based services has always faced serious challenges such as access (2). For example, some patients with mobility jobs, people with movement restrictions and physical conditions, and patients living in rural and remote areas are unable to refer to get the medication according to a regular timetable (3). The mentioned issues are a serious challenge for persistence and adherence to MMT. Under such circumstances, a significant proportion of patients abandoned treatment plan and they lost the ancillary services, including medical visits, psychological interventions, and physical and emotional support from a social worker. Ultimately, this situation led to an increased the risk of relapse and resume high risk behaviors related to substance abuse (4). Social damage and financial losses of the country's health system are only some of the negative consequences of this situation.

Based on these considerations, presentation of the strategies and constructive recommendations in support of the related organizations is a necessity. Despite the several offers raised, it seems that the abolition of the system based services has always been a significant. Definitely to prevent abuse of patients, it is recommended that the patient's identity be verified through the finger, eye, or facial recognition digital sensors (5). Meanwhile, bringing up an instruction can be useful based on a mandatory visit to the center of origin for medical examination and psychological services at least once a month.

So far, few studies have been conducted to review and confirm the delivery format of pharmaceutical services (6, 7). However, previous studies show that the facial assessment via computer evaluation and photo anthropometric variations in facial features are standard references for personal identification in the field of health and forensic (8, 9). Thus, our offer could possibly be effective in increasing adherence to treatment and reducing problems caused by the access to origin MMT center. As a result, we recommend using this pilot model for at least a one-year period. Then, if the benefit of this model is in practice, this proposal could be implemented permanently.

Keywords: Methadone maintenance treatment, Substance abuse, Technology

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References