Cross-country Comparison of Treatment Policies Facing the Drug Abuse in Five Selected Countries

Mohammad Hossein Mehrolhasani1, Vahid Yazdi-Feyzabadi2, Ahmad Hajebi3, Saeid Mirzaei1

Abstract

Background: Drug abuse is one of the main problems of human’s life; thus communities have been thinking about the solution of this problem. The present study aimed to compare the general features of drug abuse treatment policies, war on drugs (WOD), and harm reduction (HR), in the selected countries.

Methods: The present study was a comparative and desk research that sought to compare context, stewardship, financing, type of substance abuse treatment services, reasons of paradigm shift, and executive challenges of treatment policies in the selected countries (China, Malaysia, Germany, Netherland, and Iran). The necessary data for comparison of the countries were collected through valid databases, review of documents, and reports of international organizations.

Findings: Context conditions were better in the HR countries. In most countries, the central government played a key role in the stewardship, financing, and service providing. In WOD countries, the presence of judicial structure was higher in the treatment of drug abuse. The policy-making approach was ideological in WOD countries, but evidence-based in HR countries.

Conclusion: It seems that performance of HR countries is better than WOD countries.

Keywords: Drug misuse; Harm reduction; Drug and Narcotic Control; Drug dependence; Needle-exchange programs

Citation: Mehrolhasani MH, Yazdi-Feyzabadi V, Hajebi A, Mirzaei S. Cross-country Comparison of Treatment Policies Facing the Drug Abuse in Five Selected Countries. Addict Health 2019; 11(2): 81-92.

Received: 28.11.2018 Accepted: 06.02.2019

1- Neuroscience Research Center, Institute of Neuropharmacology, Kerman University of Medical Sciences, Kerman, Iran
2- Health Services Management Research Center, Institute for Futures Studies in Health, Kerman University of Medical Sciences, Kerman, Iran
3- Research Center for Addiction and Risky Behavior, Psychiatric Department, Iran University of Medical Sciences, Tehran, Iran

Correspondence to: Saeid Mirzaei, Email: mirzaei.saeid67@gmail.com
Introduction

Drug abuse is considered as one of the fundamental problems of human’s life. It is nearly one century that communities have been thinking about the solution of this problem widely and in a determined way. Due to spread diseases like the human immunodeficiency viruses (HIV) and hepatitis through injection, and also because of worries about harmful medical, social, legal, and health effect, drug abuse has been posed as a significant policy issue all over the world. The countries in response to this problem used different policies. One of the policies used for many years in the world to solve drug abuse problem is war on drugs (WOD).¹

WOD is a policy used for the first time by American Federal Government aiming at drug’s prohibition using military and police interventions to reduce manufacturing, illegal trade, and drug use. By WOD, intensity increased and United States pressured on United Nations (UN) to globalize WOD movement; the United Nations General Assembly introduced 1991 to 2000 as drug campaign decade. This movement culminated in United Nation General Assembly Special Session (UNGASS) in 1998 that United Nations committed itself to a drug free world by 2008.²³ During the years following this movement, most countries considered this policy in their agenda. Based on this policy, strict programs and actions such as imprisonment and death penalty were considered for buying, selling, and using drugs in the countries.⁴ Many studies in the world were conducted about the results of this policy. The results showed that despite the expectations, strict approach did not have positive results about abuse and relapse reduction, and they also created some other problems.⁵ On the other hand, the studies show that injection drug abuse contributes to infectious diseases transmitted like HIV significantly. Therefore, all these evidences result in highlighting another policy in drug abuse domain called harm reduction (HR).⁶

HR is a concept refers to interventions aiming at health behavior negative effects reduction without the necessity to put out the problematic health behavior completely or constantly.⁷ HR emphasize the negative consequences rather than drug use as the aim of intervention.⁸ HR strategies include needle and syringe programs (NSP), supervised injection facility (SIF), overdose prevention policies, and opioid substitution treatment (OST). HR as an approach stands in opposition to the traditional medical model of addiction which considers drug use as a mistake and as a result illegal.⁷ This policy has also some critics who believe this method causes people encouragement to use more drugs while the results of systematic studies show that such methods are cost-effective to prevent spread HIV and also increase people’s access to medical and social services.⁷⁹ This caused many countries turning towards HR policy. However, some countries also continue WOD approach or move towards HR aiming at drug use reduction not negative consequences reduction due to many reasons including the criticism about HR policy.¹⁰ Therefore, this study has been conducted aiming at comparing the general features of drug abuse treatment policies, WOD, and HR, in the selected countries.

Methods

This study is a desk research done with cross-sectional method in order to identify information resources related to drug abuse treatment such as national and international documents, international databases, and scientific articles in 2019. Data collection tools were fish cards and data extraction form. We used fish cards to collect information from the published articles, reports, and documents.

Information extraction form designed based on World Health Organization (WHO) framework¹¹ to respond the research questions. To measure information extraction form’s validity, expert panel was held. Comparative variables were countries’ context features, some welfare remarkable rankings, stewardship of service providing, financing of provided services, type of treatment services, reasons of countries’ paradigm shift, and executive challenges of policies. These variables were confirmed by the research team.

In this study, Iran was selected together with four other countries to compare drug abuse policies. The selection process is as follows:

To select and group the countries under study, report of HR in 2018¹² was used for selecting HR countries and the report of death penalty for drug offences in 2018¹³ was used for selecting WOD countries which both were published by Harm...
Reduction International. China and Malaysia were selected from the group of WOD that prohibitionist and punitive approaches to drugs for the study; these two countries are among the countries that have the highest rate of strict approach in drugs according to death penalty report. Germany and the Netherlands were also selected as countries with HR policy. The selection criterion of HR countries for the study was having at least one operating program of needle and syringe, one operating program of drug substitution and a drug consumption room, and the country’s background in the field of HR. To compare the findings of selected countries with Iran, the data of this country was also examined.

The required data to compare the countries were collected through the credible databases like PubMed, Scopus, and Web of Science, and by reviewing the important documents and reports like the report of Harm Reduction International, International Drug Policy Consortium, WHO, Legatum report, human development statistical report 2018, and statistics time by using keywords such as HR, WOD, treatment policy, etc. 31 documents which had relevant information to aim of study, and were published after 2007 were selected.

Selection of related documents was done based on Jupp quadruple considerations including authenticity (being original and genuine), credibility (accuracy), representativeness (being original and genuine), and meaning (what they say).14

### Results

The findings of context conditions (political, economic, and social) are compared in table 1. As shown, type of government in Germany, China, and Iran is republic while in Malaysia and the Netherlands, it is constitutional monarchy.15 Among the examined countries, the best rank of governance belonged to Germany and after that, Malaysia, China, and Iran, respectively.16 China had the highest gross domestic product (GDP) rank and Iran had the lowest.17 In terms of economic rank, Germany and the Netherlands had better status than other countries.16 In terms of income indicator, Germany and the Netherlands were among the countries with high income, and the others had the upper-middle rank.17 The highest total health expenditure (THE) per capita belonged to HR countries.18 The most populated countries were China, Germany, Iran, Malaysia, and the Netherlands, respectively.18 In terms of the human development index (HDI)19 and health ranking16, HR countries had better status than WOD countries. In terms of the drug-related deaths, WOD countries had worse status than HR countries. Among WOD countries, Iran had the worst status in terms of this index.16,19–21 Opioid in China and Iran, cocaine in Germany, tranquilizers and sedatives in the Netherlands, and amphetamine-type stimulants (ATS) in Malaysia were drugs as primary cause of death.20

<table>
<thead>
<tr>
<th>Context</th>
<th>Country</th>
<th>HR</th>
<th>WOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Governance</td>
<td>Type of government</td>
<td>Republic</td>
<td>The Netherlands</td>
</tr>
<tr>
<td>Economy</td>
<td>Governance ranking (2018)</td>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>GDP ranking (2018)</td>
<td>4</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>THE per capita (Intl $) (2019)</td>
<td>5182</td>
<td>5202</td>
</tr>
<tr>
<td></td>
<td>Economic ranking (2018)</td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>GNI per capita (2019)</td>
<td>High income</td>
<td>High income</td>
</tr>
<tr>
<td></td>
<td>Life expectancy (year) (2019)</td>
<td>83/79</td>
<td>83/80</td>
</tr>
<tr>
<td></td>
<td>HDI ranking (2018)</td>
<td>4</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>health ranking (2018)</td>
<td>24</td>
<td>11</td>
</tr>
<tr>
<td></td>
<td>Ranking of drugs as primary cause of death</td>
<td>Cocaine</td>
<td>Tranquilizers and sedatives</td>
</tr>
</tbody>
</table>

GDP: Gross domestic product; THE: Total health expenditure; GNI: Gross national income; HDI: Human development index; WOD: War on drugs; HR: Harm reduction; ATS: Amphetamine-type stimulants

### Table 1. Comparison of contextual properties of studied countries

http://ahj.kmu.ac.ir, 04 April
The structure of drug abuse treatment service providing is shown in table 2. Stewardship of service providing in Malaysia and Iran was by central government, in the Netherlands and China was by local officials, and in Germany by a combination of both. All examined countries used public budget for financing. In Germany, the private sector was responsible for financing besides the public budget. Only in Germany and the Netherlands, social insurances participated in these services’ financing. In China and Malaysia, donors were responsible for part of the financing and finally, in Germany and Iran, non-governmental organizations (NGOs) contributed to these services’ financing.

In service providing, the private and public sectors contributed significantly in all countries while in Malaysia, the private sector did not participate in this domain. In the Netherlands, municipalities contributed to this domain significantly. Germany and Malaysia used general practitioner structure to provide services while in the Netherlands, China, Malaysia and Iran, police and judicial structure contributed to treatment. Germany, the Netherlands, China and Iran used psychiatrists to provide services. China was the only country which did not provide HR services in prisons. Germany and the Netherlands used the help of charities for service providing. All countries except for the Netherlands used the NGOs for service providing.

The general features of drug abuse treatment policy and the reasons of paradigm shift from WOD to HR are shown in table 3. Policy making in drug abuse domain in Germany and the Netherlands was mostly evidence-based while in China and Malaysia, it was mostly ideological approach-based. However, in Iran, it was affected by both approaches. Treatment approach in Germany emphasized more on medical and psychological treatments while in Malaysia and Iran, medical and psychological treatments would be complemented by religious treatment. In China, the treatment approach was just medical. The general viewpoint of this domain’s policies in Germany and the Netherlands was more based on community health promotion emphasizing personal responsibility while in China, Malaysia and Iran, despite regarding community health promotion, free drug society viewpoint was dominant on this domain’s policies and therefore, more emphasis on law enforcement and punishing approaches was observed.

The reasons for paradigm shift from WOD to HR in China, Malaysia, and Iran included HIV prevalence increase through drug injection pattern, international pressures, and no efficiency of prohibition approach. Besides these cases, in Malaysia and Iran, religious groups’ supported of HR approach, and also medical specialist support of this approach was effective in Iran. However, in Germany and the Netherlands, drug-related deaths, HR success and medical specialist support of HR were effective in this paradigm shift.

The challenges of HR in the selected countries are shown in table 4. One of the challenges of HR domain in Germany was the limitation of providing HR services in prisons in a way that although these countries had HR services, they were not provided in all prisons of these countries. Moreover, in Germany, service providing in different cities was not the same and in big cities, more complete services were provided. In addition, stimulant drug use increase was one of the challenges in Germany and Malaysia. In the Netherlands and China, one of the challenges was lack of financial resources. In China, Malaysia, and Iran, insurance structures did not support much of treatment, and addiction was posed as a stigma in these countries. Lack of medical trained specialists and HR limitations, low effectiveness, and low quality treatment were the challenges in Malaysia and China. In China, little psychological and social treatment services were provided and in Iran, it was also limited.

Different types of drug abuse treatment services are shown in table 5. OST and NSP were executed in all examined countries, SIF, naloxone programs, and heroin-assisted treatment (HAT) were executed in HR countries. In Germany, abstinence-based treatment with psychosocial counselling and detoxification were provided in addition to aforementioned services. In addition to Germany, detoxification was executed in all WOD countries. In China, voluntary treatments, community-based treatment, compulsory isolated treatment, and community-based rehabilitation were provided.
Table 2. The structure of substance abuse treatment service providing in studied countries

<table>
<thead>
<tr>
<th>Country</th>
<th>Stewardship</th>
<th>Financing</th>
<th>Service providing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Central government</td>
<td>Local official</td>
<td>Public budget</td>
</tr>
<tr>
<td>Germany</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>The Netherlands</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>China</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Malaysia</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Iran</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
</tbody>
</table>

NGO: Non-governmental organization

Table 3. General features of drug abuse treatment policies and the reasons of countries’ paradigm shift

<table>
<thead>
<tr>
<th>Country approach</th>
<th>Policy making</th>
<th>General features of policies</th>
<th>Focus on</th>
<th>General approach</th>
<th>Reasons of countries’ paradigm shift</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Ideological</td>
<td>Medical treatment treatments</td>
<td>Psychological</td>
<td>Religious</td>
<td>Individual responsibility</td>
</tr>
<tr>
<td>HR</td>
<td>Germany</td>
<td>**</td>
<td>**</td>
<td>**</td>
<td>**</td>
</tr>
<tr>
<td>The Netherlands</td>
<td>**</td>
<td>**</td>
<td>**</td>
<td>**</td>
<td>**</td>
</tr>
<tr>
<td>WOD</td>
<td>China</td>
<td>**</td>
<td>**</td>
<td>**</td>
<td>**</td>
</tr>
<tr>
<td>Malaysia</td>
<td>**</td>
<td>*</td>
<td>*</td>
<td>**</td>
<td>**</td>
</tr>
<tr>
<td>Iran</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>**</td>
<td>**</td>
</tr>
</tbody>
</table>

*Usual, **Intensive

HIV: Human immunodeficiency viruses; WOD: War on drugs; HR: Harm reduction
### Table 4. Executive challenges of policies

<table>
<thead>
<tr>
<th>Country</th>
<th>Little psychological and social treatment services</th>
<th>HR limitations, low effectiveness, and low quality treatment</th>
<th>Lack of medical trained specialists</th>
<th>Drug abuse as a stigma</th>
<th>Different coverage of services</th>
<th>Lack of insurance support</th>
<th>Limitation of providing HR services in prisons</th>
<th>Stimulant drug use increase</th>
<th>Low access to HAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>The Netherlands</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>China</td>
<td></td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>Malaysia</td>
<td></td>
<td></td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
<tr>
<td>Iran</td>
<td>*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*</td>
<td>*</td>
<td></td>
</tr>
</tbody>
</table>

HR: Harm reduction; HAT: Heroin-assisted treatment

### Table 5. Types of substance abuse treatment services providing

<table>
<thead>
<tr>
<th>Country</th>
<th>NSP</th>
<th>OST</th>
<th>SIF</th>
<th>NA</th>
<th>Cure and Care</th>
<th>TC</th>
<th>Naloxone programs</th>
<th>Detoxification</th>
<th>Abstinence-based treatment with psychosocial counselling</th>
<th>HAT</th>
<th>Voluntary treatment</th>
<th>Community-based treatment</th>
<th>Compulsory isolated treatment</th>
<th>Community-based rehabilitation</th>
<th>Psychological and social treatments</th>
<th>Outpatient and inpatient treatment centers</th>
<th>Middle-term accommodation center</th>
<th>Peer group self-help accommodation center</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The Netherlands</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>China</td>
<td>*</td>
<td>*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Malaysia</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iran</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NSP: Needle and syringe program; OST: Opioid substitution treatment; SIF: Supervised injection facility; NA: Narcotics anonymous; HAT: Heroin-assisted treatment; TC: Therapeutic community
Voluntary treatment was recognized for the first time as part of drug national policy with the passing of the 2008 Anti-Drug Law. People participating in voluntary treatment were protected against arresting by police. Community-based treatment tried to lead a wide range of social resources towards returning drug-dependent people to the community without stigma, suffering from imprisonment, and or social deprivation. Community-based treatment could be applied for anyone arrested for drug use and not registered in voluntary treatment. Those failed in community-based treatment or did not tend to receive this treatment or use drug during or after community-based treatment entered compulsory isolated treatment (CIT) by police. After freedom from CIT, the person had to tolerate three years of community-based rehabilitation (CBR) by force. CBR was almost equal to CBT; the difference was that it was compulsory and included consulting skills. If a person disobeyed the CBR laws, she/he might be brought back to CIT.\(^{10}\)

In Malaysia\(^{34}\) and Iran,\(^{32}\) narcotic anonymous (NA) were provided. In addition, in Malaysia, cure and care and social-psychological interventions were also provided. For many years, those with positive drug test in Malaysia were arrested and sent to compulsory drug detention centers (CDDCs) for a compulsory period of two years without legal record and against their personal tendency. CDDC compulsory treatment methods due to reasons such as unlimited arrest and the outbreak of substance use disorders (SUD) among prisoners were criticized. Finally, in 2010, several CDDCs were changed into cure and care centers by the government providing drug comprehensive and voluntary treatment services. The new method concentrated on medical, psychological, and clinical treatments.\(^{34}\) In Iran, in addition to aforementioned treatment methods, outpatient treatment centers (providing medical and non-medical treatment services for drug users) and hospitalization (providing detoxification and relapse prevention services and non-medical treatments while hospitalized), middle-term accommodation center [voluntary and middle-term (1 to 3 months) accommodation center], and peer group self-help accommodation center (voluntary and middle-term accommodation center based on the approach of detoxification and recovered addicted participation) were also provided.\(^{44}\)

### Discussion

According to the study findings, countries with better political, economic, and social status follow HR policy more. Based on the ranking of WHO health systems, the Netherlands and Germany in comparison with China, Malaysia, and Iran have better performance and better ranks.\(^{45}\) Moreover, the study by Lieveins et al. shows that Germany is one of the countries that have the highest rate of hospital costs for drug abuse treatment.\(^{38}\) The findings also show that the rate of drug-related deaths in Germany and the Netherlands is less than the other countries, and this shows the success of these countries in drug abuse management.\(^{39}\)

In drug abuse treatment services stewardship in HR countries, the local officials contribute while in WOD countries, central government is responsible for it, and this can be due to governmental structure of these countries. In the Netherlands, regarding decentralized governmental structure, the local officials have the stewardship of these services\(^{46}\) while in Malaysia and Iran, regarding concentrated governmental structure, central government is responsible for this stewardship.\(^{47}\) In Germany, that has also concentrated governmental structure, both the central government and local officials have the stewardship to improve service providing.\(^{46}\) In China, despite concentrated governmental structure, the local officials are responsible for this stewardship, and this can be due to the high population of the country and the difficulty of policy making concentration on this domain, and also no complete support of HR policies by the central government.\(^{25}\)

In the countries with HR strategy, one of financing methods to provide such services are health social insurances while in the countries with WOD strategy, regarding having no priority for such programs, health social insurances have no active roles. It has been demonstrated by the study by Ebrahimif that one of the challenges and problems of drug abuse treatment program in Iran is no insurance coverage for these services.\(^{41}\) But it should be remembered that the countries under study in the group of HR countries have
suitable economic status that can be due to insurance coverage of these services in these countries; on the other hand, one of drug abuse treatment financing methods in China and Malaysia is donors; this can be due to low THE per capita rate and weak economic status of WOD countries.\textsuperscript{18}

In WOD countries, one of the structures that has active role in drug-dependence treatment is police and judicial structure while in Germany and the Netherlands, these structures are not generally used in treatment. This can be due to the basic way of thinking in these countries that the dominant philosophy and viewpoint is based on consumption avoidance because drug use is considered as a moral deviation; therefore, judicial structure makes part of the treatment. For instance, in China, the responsibility of evaluating person’s dependency on drug is by police instead of a clinical specialist, and this can lead to inefficient treatment.\textsuperscript{10} On the other hand, the criminality viewpoint and police actions can cause human rights violation.\textsuperscript{34,48}

In all studied countries, one important substance abuse treatment services providing is NGOs that shows governments’ interest in using community capacities. Regarding the paradigm shift from WOD to harm reducing, the role of NGOs seems to be more highlighted.\textsuperscript{31}

The countries are different in the types of substance abuse treatment services providing in a way that in HR countries, services like SIF, naloxone programs, and HAT are provided while in WOD countries, despite evidence of effectiveness,\textsuperscript{43,49} there is no such services, and this can be due to having no infrastructure and political resistances\textsuperscript{21} and also zero tolerance approach in these countries.\textsuperscript{40}

In WOD countries, HIV outbreak increase, international pressures, and no efficiency of prohibition approach are the most important reasons of paradigm shift to HR in these countries. However, the general viewpoint of these countries is drug abuse eradication and having a community without drug. So policy making in these countries is ideological-based, and emphasizes medical treatment. Drug use is a stigma, and the policy approach is prohibition. These countries were not only unsuccessful in reducing the number of addicted people,\textsuperscript{50} but also according to global studies, law enforcement regarding drug use in these countries can result in increased violence, opportunity cost, and number of prisoners.\textsuperscript{43} However, in HR countries, the most important reasons of paradigm shift have been HR success and increasing drug-related deaths. The general viewpoint is community health promotion. Therefore, addiction is not posed as a stigma. For instance, the Netherlands is one of the countries that impose little sanctions for drug possession for personal use.\textsuperscript{51} In these countries, policy making is evidence-based, and pays attention to both medical and psychological treatments. Generally, in Germany and the Netherlands, the policy concentration is more on treatment and rehabilitation while in China and Malaysia, despite applying HR methods, the emphasis is still on consumption avoidance and full withdrawal.\textsuperscript{27}

HR limitation and low quality treatment is one of the challenges in WOD countries. In China, the threats to arrest drug users,\textsuperscript{35} weak coverage, and low quality of methadone maintenance treatment (MMT) services, lack of financial and human resources of MMT program,\textsuperscript{45} compulsory treatment,\textsuperscript{52,53} stigma, accidental inspections by police, and little psychological treatment\textsuperscript{40} are some reasons to low effectiveness of HR. HR limitations in Malaysia are also due to aiming at drugless community,\textsuperscript{54} emphasis on full withdrawal, lack of medical trained specialists,\textsuperscript{40} and believing firmly in consumption avoidance in Muslim community,\textsuperscript{54} and in Iran, more emphasis on punishment-oriented and consumption avoidance,\textsuperscript{25} stewardship delegation to many ministries (health and welfare),\textsuperscript{41} little paying attention to social-psychological treatments, pure medical attitude towards addiction treatment, no comprehensive assessment of treatment outcomes, lack of insurance support of treatment,\textsuperscript{52} and lack of social supports after treatment\textsuperscript{41} are some reasons to low effectiveness and low quality treatment. Generally, in WOD countries because of ideological viewpoint, they emphasize more on consumption avoidance and punishment-oriented viewpoint about drug users. The study conducted by Chu and Sung also shows that counselors’ perceptions of faith-based try more to use religious models in treatment interventions while secular consultants use disease model.\textsuperscript{55}

**Conclusion**

According to the present study that compared
drug abuse treatment policies in the selected countries, the context of HR countries had a better status than other countries. In terms of stewardship and financing, HR countries had more tendency to decentralization. International pressures seemed to be important reasons for the paradigm shift in WOD countries where the HR services were provided with a drug abuse eradication approach. However, the evidence-based effectiveness of this approach was the reason for the paradigm shift in HR countries.

According to the findings, Iran has no desirable condition in context conditions among the countries, and it is more like WOD countries. Furthermore, it has unfavorable conditions in drug abuse disorders. Despite taking steps toward the HR approach, Iran’s policymaking, stewardship, and services providing are similar to WOD countries.

According to the UN Convention on Narcotic Drugs, which considers the human health and well-being protection as the main goals of policymaking in this field, as well as the fewer drug-related deaths in HR countries and based on other findings, it seems that the performance of HR countries is better than WOD countries. It seems to achieve better health condition and more effectiveness in this area, different countries including Iran require to apply evidence-based policy making.

**Conflict of Interests**

The Authors have no conflict of interest.

**Acknowledgements**

This study was extracted from a PhD thesis by Saeid Mirzaei and was supported by a grant (No. 97-5) from Neuroscience Research Center, Kerman University of Medical Sciences, Kerman, Iran.

**References**

16. Legatum Institute Foundation. The Legatum Prosperity Index™ 2018: Creating the Pathways from Poverty to Prosperity [Online]. [cited 2018]; Available from: URL:
https://www.prosperity.com/rankings
44. Iran Drug Control Headquarters. Legislation for drug...


مقاله تطبیقی سیاست‌های درمان سوء مصرف مواد در پنج کشور منتبه

محمدحسین مهرالحسنی، وحید بیضایی، احمد حاجبی، سعید میرزائی

چکیده
مقاله: سوء مصرف مواد، یکی از مشکلات اساسی زندگی بشر به شمار می‌رود و جامعه بشری مصمم به پیشگیری از مصرف موارد این محصولات می‌باشد.

روش‌ها: این مطالعه از نوع تطبیقی و به دنبال مقایسه ویژگی‌های مصرف مواد در کشورهای منتخب از دو سیاست جنگ علیه موارد و کاهش آسیب انجام شد.

یافته‌ها: شرایط اجتماعی و فرهنگی کشورهایی که کاهش آسیب وضعیتی را نشان داده‌اند، در اغلب کشورهای مورد بررسی، دولت مرکزی نقش کلیدی در تولید، تأمین مالی و خدمات به عهده داشته‌اند. در کشورهای جنگ مصرف مواد، حضور کارکنان قضایی در درمان سوء مصرف مواد بوده است. در کشورهایی که کاهش آسیب را نشان دادند، دولت مرکزی نقش کلیدی در مقایسه کشورها به طریق بیمارستان‌ها و مرکز‌های مراجعه‌ای کشوری جهت مقایسه کشورها انجام شد.

نتیجه‌گیری: به نظر می‌رسد که عملکرد کشورها با رویکرد کاهش آسیب بهتر باشد.

واژگان کلیدی: سوء مصرف مواد، کاهش آسیب، کنترل مواد مخدر، وابستگی به مواد، ایدئولوژی و روش‌های پیشگیری


توجه پذیرش: 1397/11/12

نتیجه‌گیری: به نظر می‌رسد که عملکرد کشورها با رویکرد کاهش آسیب بهتر باشد.

واژگان کلیدی: سوء مصرف مواد، کاهش آسیب، کنترل مواد مخدر، وابستگی به مواد، ایدئولوژی و روش‌های پیشگیری


توجه پذیرش: 1397/11/12

نتیجه‌گیری: به نظر می‌رسد که عملکرد کشورها با رویکرد کاهش آسیب بهتر باشد.

واژگان کلیدی: سوء مصرف مواد، کاهش آسیب، کنترل مواد مخدر، وابستگی به مواد، ایدئولوژی و روش‌های پیشگیری


توجه پذیرش: 1397/11/12

نتیجه‌گیری: به نظر می‌رسد که عملکرد کشورها با رویکرد کاهش آسیب بهتر باشد.

واژگان کلیدی: سوء مصرف مواد، کاهش آسیب، کنترل مواد مخدر، وابستگی به مواد، ایدئولوژی و روش‌های پیشگیری


توجه پذیرش: 1397/11/12

نتیجه‌گیری: به نظر می‌رسد که عملکرد کشورها با رویکرد کاهش آسیب بهتر باشد.

واژگان کلیدی: سوء مصرف مواد، کاهش آسیب، کنترل مواد مخدر، وابستگی به مواد، ایدئولوژی و روش‌های پیشگیری