

## **Critical Analysing of Prescribing Decision Support in Health Organisations**

## **Abstract**

The concerning paper is going to provide a detailed analysis of the factors that are related to "Prescribing Decision Support" or PDS. The effective involvement of the concerning application supports the knowledge management aspects of the healthcare sector. That supports providing good medicare assistance to society. The sustainable utilization of the electronic tools in the medicare sector will also be analyzed in the concerning paper. It supports the analysis of different medical errors through the support of the digitalized implementation. The positive acceptance of the PDS in the medical sector will also be analyzed in the concerning paper.

## **Introduction**

The factors that are associated with knowledge management or KM are centred and rounded with the factors that are associated with the high quality of the management data and the information effectively. The KM is considered a process that creates, shares and gathers information about individuals. Therefore, it helps to establish a perfect communicating network (Patrício et al., 2018). On the other hand, it can be said that the effective involvement of the KM helps to enhance the efficiency level of the individual employees through the support of interactive sessions (Prakash, 2022). The support of an effective knowledge management system in a business organization helps to enhance the quality of the performance. The implementation of different tools supports the entire aspects of knowledge management.

Prescription Decision Support is considered a healthcare-based management support tool that supports the administration and shares the entire procedure of exchanging information. The KM is utilized by the care experts for making the appropriate clinical decisions and also supports prescribing the required medicine to the patient (Khalafallah & Fahim, 2018). The concerned paper is going to analyze the factors associated with the utilization of PDS that supports the doctors in analyzing the complexities of the patient's situation. As a result, it aids to reduce the time, cost and aspects that are related to the medical errors that might appear while making decisions regarding the patients (Curtis, 2022). However, the concerned paper is going to analyze the factors that are related to the utilization of PDS in the healthcare sector.

## **Analyze the criteria for good PDS**

Analyzing the parameters of the perfect PDS tools can be identified while knowing the required characteristics of the PDS. As per the opinion of Rafa et al (2022), it can be said that the suitable prescription of a patient can be considered as medical evidence of the patient (Recchia et al., 2020). The pharmacological technical act is incompatible with the factors that are related to different prescribing models that support representing different government policies and the literature aspects.

As per the opinion of Lund et al (2021), it can be stated that the determination of a good prescription relies on three several factors. According to the opinion, it must be required to understand the requirements of the patient, as a result, it will help to fulfil the requirements of the patients (Kõnd & Lilliväli, 2019). The healthcare sector must provide the complete information that is associated with the

patient, if the healthcare sector is choosing any of two different treatment methods, then the hospital management group must provide the information related to those two different treatment methods to the patient party (Tampubolon et al., 2019). The effective involvement of the consulting approach will also help to improve the decision-making aspects.

The second and one of the most important factors of good PDS is to determine different issues that are related to the scientific measurement of the medicine (Maati & Švedkauskas, 2021). The PDS must provide a description of the side effects and the cost-effectiveness of the medicines that have been prescribed by the physicians. As per the study of Feldman et al., (2022), it can be said that the perfect decision can be measured through the support of effective decision-making tools. It will also help to analyze the factors that are related to the physical and psychological aspects of the patients. All these factors support the psychological and physical condition of the patient. As a result, it supports the progress of the treatment of the patient.

Thirdly, it is required to maintain some common factors that are related to society for making decisions that are related to prescribing to the patient (Flint et al., 2019). As per the idea of a "utilitarian healthcare system" the involvement of the costless healthcare marketing system like the NHS or National Healthcare System supports reducing the cost-effectiveness of the prescriptions Lamé et al., (2022). As per the concerning factors of good PSD, it can be said that a good prescription must be included at a cheaper price. The factors that are associated with the cheaper drug facility support the patient parties to make improvements in the factors that are related to the patient party's financial expenses.

A good PDS can be considered as the combination of the above-mentioned factors such as the characteristics that are associated with the technical aspects of the medicine and factors that are related to the common goods like reducing the cost-effectiveness of the medicines (Lillie, 2020). The effective involvement of three relatable factors also supported the medical sector to make improvements in the factors that are related to developing a good PDS (Kołpa et al., 2018). The involvement of the meticulous analysis helps to make improvements in the factors that are associated with the sufficient time and knowledge management aspects (Puzicha, 2019). The analysis of all the above-mentioned characteristics of the medicines and the high cost-effectiveness of the medicines might cause a huge pressure upon the patient party. Therefore, the involvement of the good PDS can support the patient party to reduce the burden associated with the high cost-effectiveness of the medicines (Rafa et al., 2021). The involvement of the digitalized PDS tools like "e-formulary file, ScriptSwitch, and NHSGGC EMIS Drug Synonyms" also generates different beneficial aspects in the healthcare sector. The involvement of the concerning PDS tools supports making improvements in the factors that are associated with different technical factors; moreover, it also impacts the factors that are related to the allergic reaction (Nalini et al., 2020). As per the common goods for example the utilization of the e-PDS

can support the formulation of the medical audit. However, in some cases, the digital PDS tools fail to fulfil the requirements of the patients.

### **Advantages of PDS**

The utilization of the PDS tools is considered one of the most cost-effective and time-saving factors that support reducing the errors that might arise in the medical sector and also supports increasing patient safety.

### **Cost-effectiveness**

The cost-effectiveness of the prescriptions is considered one of the most essential factors (Chen et al., 2019). Therefore, the national healthcare sector introduced the costless healthcare marketing sector that supports the patients and the insurance companies to reduce cost-effectiveness.

It is required to keep the medical evidence of the patient therefore it is required to develop the appropriate prescription. The inappropriate prescription raises issues with unnecessary expenses (Gray et al., 2022). Moreover, the inappropriate prescription might arise different health issues that can impact the cost of the medications.

The effective involvement of the good PDS supports the healthcare members to get the complete health details of the patient; as a result, it also supports providing the proper medication to the patient (Morris et al., 2018). The effective involvement of e-prescriptions helps to gather the evidence that supports developing the right decision while prescribing medicine to a patient (Yuan, 2018). It is required to maintain an in-depth understanding and knowledge of the factors that are associated with the prescribing aspects. The effective involvement of the PDS also supports reducing the problems that are related to medical cost-effectiveness (Maricich et al., 2021). The proper implementation will also support making more improvements in the concerning factor. The involvement of PDS also supports the maintenance of the quality of the services.

### **Time boundness in the medication process**

The main objective of the healthcare sector is to provide services according to the requirement of the patient parties. This supports the fulfilment of the requirement of the patient (Soeiro & Micallef, 2022). The effective utilization of the principles that are associated with the centeredness of the patient results in the

time boundness of the entire prescribing procedure (Maricich., 2021). The effective involvement of the good prescription supports future medical evidence to the patient as a result, it reduces the time aspects for making further research on the patient's physical requirements.

The effective utilization of the PDS tools supports the physicians to prescribe medications and drugs according to the requirement (Bonamici et al., 2020). The effective involvement of PDS supports physicians to gather the required information about the patient. The effective involvement of the digitalized storage system supports retrieving different medical data through the support of the PDS tools and technologies (Alshammari, 2019). As a result, it supports the healthcare sector team members to provide patient-centric services within a short period.

### **Decrease medical glitches and upgrades patient safety**

According to the opinion of the NHS, the practitioners must maintain the responsibility of reducing medication errors (Swerika et al., 2019). A good PDS also acts as evidence of the patient's physical health, for example in aspects of the drug allergies medication in a perfect manner to provide the proper medical support to the patient (Pv et al., 2018). Therefore, it helps to reduce the problems associated with prescribing errors. The effective involvement of the PDS tools supports storing data that are related to the patients (Wang et al., 2021). The proper utilization of the concerning data supports overcoming the problems that are related to the errors in the prescription. The effective involvement of the prescriptions also supports maintaining the appropriate decision-making aspects (Van der Heyden et al., 2021). The decisions will support improvements in providing the proper medicines. The effective involvement of the computerized prescriptions also supports measures of the patient's security (Nwambie, 2018).

### **Doctor's acquiescence to the application of PDS**

The main objective of implementing the PDS is to generate positive aspects of the treatment characteristics. The support to gain a positive attitude of the healthcare members toward the adaptation of digitized technology in the medicare sector. Some resistance might be noticeable toward the medical sector based on digitized technology (Thornton et al., 2021). The problems associated with the digitized inefficiency appear due to the inappropriate training aspects. Therefore, the lack of the utilization of the technological aspects in the medicare sector also arises different problems that are related to the issues of ineffectiveness (Joshua et al., 2020). The PDS tool is considered one of the most effective factors that support making the technological aspects easier for the healthcare management group. As a result, it reduces the difficulties associated with digital implementation in the medical prescribing aspects (Nageeti et al., 2019). It also supports the analysis of distinct serious difficulties that are related to the treatment

system and also provides optimized clinical support to the patients. The effective involvement of the Technology Acceptance Model or TAM also supports the focus on two different factors perceived usefulness and perceived ease (Velez et al., 2021). The effective involvement of the information technology supports the physicians to simplify the factors associated with the digital implementation in the medicare aspects.

The utilization of the PDS tools also supports the positive perception of the factors that are related to the healthcare sector (Arumugam et al., 2019). The effective involvement of the training aspects also supports making improvements in the factors that are related to improving the digitized aspects of prescribing (Aldughayfiq & Sampalli, 2021). The knowledge that is related to PDS can be developed through the support of an effective training system. The support of the effective guideline also helps to improve the factors that are associated with the appropriate implementation of the technical aspects in the decision-making aspects of the healthcare sector.

The perfect monitoring approach of the healthcare members is supported through the utilization of digitized monitoring equipment (Velez et al., 2021). Therefore, it also helps to gain the acceptance of the physicians to generate a positive perception toward making improvements in the factors related to PDS.

## **Conclusion**

The concerned paper is providing a detailed analysis of the factors that are associated with the PDS factors that support making improvements in the factors that are related to the context of knowledge management. The effective involvement of the PDS supports the fulfilment of the requirements of the patients (Singaravelu, 2018). The concerning paper also highlights the factors that are related to the usefulness of the PDS which is associated with cost-effectiveness and overcoming the problems that are related to medical errors. The introduction of the appropriate training aspects supports the healthcare organization to provide the proper guidance for effectively utilizing the PDS tools.

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