

Barriers and Facilitators to PDMP IS Success in the US

Introduction: Prescription Drug Monitoring Programs (PDMP) help prevent prescription drug misuse and promote appropriate pain management. Despite these benefits and PDMP mandates in most states, PDMPs face challenges that hinder their success. This review's objective was to determine if there are any common barriers and facilitators to PDMP success in the United States. The Delone and McLean Information Success (IS) Model was used to categorize barriers and facilitators to PDMP IS success. **Material and Methods:** Scopus, PubMed and Embase databases were searched due to their relevance to information technology, education and research. **Results:** There were 142 unique barrier themes and 183 unique facilitator themes found in 44 peer reviewed articles. Some barrier themes reported were lack of interstate data sharing, access difficulties, lack of time, inability to delegate access, lack of knowledge or awareness of the PDMP, and the system being difficult to use due to not being integrated with the EHR. Some facilitator themes reported were increasing interstate data sharing, making data "real-time", EHR integration, and delegating PDMP access. **Discussion:** Interstate data sharing, EHR integration and expanding access to delegates were common themes found. Some results were found to be contradictory such as mandating use. **Conclusion:** Practice should use these findings to assess current barriers to PDMP success in the US and draw possible solutions from the list of facilitators. PDMP administrators and users should consider the context of their state and organization when determining which facilitators would most promote PDMP IS success. Combining facilitators may be the best route to PDMP IS success in certain situations.