

Publication

Documentation of pharmaceutical care: Validation of an intervention oriented classification system

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During the dispensing process, pharmacists may come across technical and clinical issues requiring a pharmaceutical intervention (PI). An intervention-oriented classification system is a helpful tool to document these PIs in a structured manner. Therefore, we developed the PharmDISC classification system (Pharmacists' Documentation of Interventions in Seamless Care). The aim of this study was to evaluate the PharmDISC system in the daily practice environment (in terms of interrater reliability, appropriateness, interpretability, acceptability, feasibility, and validity); to assess its user satisfaction, the descriptive manual, and the online training; and to explore first implementation aspects.; Twenty-one pharmacists from different community pharmacies each classified 30 prescriptions requiring a PI with the PharmDISC system on 5 selected days within 5 weeks. Interrater reliability was determined using model PIs and Fleiss's kappa coefficients (κ) were calculated. User satisfaction was assessed by questionnaire with a 4-point Likert scale. The main outcome measures were interrater reliability (κ); appropriateness, interpretability, validity (ratio of completely classified PIs/all PIs); feasibility, and acceptability (user satisfaction and suggestions).; The PharmDISC system reached an average substantial agreement ($\kappa=0.66$). Of documented 519 PIs, 430 (82.9%) were completely classified. Most users found the system comprehensive (median user agreement 3 [2/3.25 quartiles]) and practical (3[2.75/3]). The PharmDISC system raised the awareness regarding drug-related problems for most users ($n=16$). To facilitate its implementation, an electronic version that automatically connects to the prescription together with a task manager for PIs needing follow-up was suggested. Barriers could be time expenditure and lack of understanding the benefits.; Substantial interrater reliability and acceptable user satisfaction indicate that the PharmDISC system is a valid system to document PIs in daily community pharmacy practice.

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