

CDSSs for health screening in primary care:
a scoping review

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Garcia, E¹; Pierre, F²; Meunier, PY³; Letrilliart, L⁴.**ADMINISTRATIVE INFORMATION****Support** - Not applicable.**Review Stage at time of this submission** - Piloting of the study selection process.**Conflicts of interest** - None declared.**INPLASY registration number:** INPLASY202410075**Amendments** - This protocol was registered with the International Platform of Registered Systematic Review and Meta-Analysis Protocols (INPLASY) on 17 January 2024 and was last updated on 17 January 2024.**INTRODUCTION**

Review question / Objective To explore the characteristics and use of health screening CDSSs in primary care according to the international literature.

Background Clinical decision support systems (CDSSs) are software designed to be a direct aid to clinical decision making, in which an inference engine matches the features of an individual patient to a computerized clinical knowledge base or a machine learning algorithm and then presents patient-specific assessments or recommendations to the clinician or the patient for a decision. CDSSs are emerging tools intended to improve the quality, safety, and efficiency of care. Their application to health screening may be an opportunity in primary care, where most screenings are provided.

Rationale Health screening CDSSs developed for primary care are poorly known. In particular, no systematic or scoping review on these CDSSs have been published. A better knowledge of the characteristics and use of health screening CDSSs in primary care may help improving this preventive care process.

METHODS

Strategy of data synthesis We use the following databases : Medline, Embase, Cochrane library, CINAHL, Web of science.

Eligibility criteria Journal articles; CDSSs; health screening; primary care.

Source of evidence screening and selection

The selection of the articles will be performed independently by two researchers. Unresolved disagreements will be resolved by consensus between them and a third researcher.

Data management We will develop a charting table to record characteristics of the included studies and the key information on the characteristics and use of health screening CDSSs in primary care, according to a stepwise approach.

Language restriction English and French.

Country(ies) involved France.

Other relevant information We will comply with the PRISMA extension for scoping reviews checklist.

Keywords CDSS; health screening; primary care.

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