











An umbrella review of digital supportive care interventions for cancer patients and their relatives

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In the last two decades, digital interventions in cancer care developed tremendously. Studies on their efficacy are numerous but diverse.

Given the necessity to develop digital solutions in patient care, it seems necessary to carry a synthesis of the literature to identify the existing interventions providing supportive care to cancer patients and relatives, their methodology, and their efficacy.



Identify digital supportive care interventions in cancer care and determine their efficacy

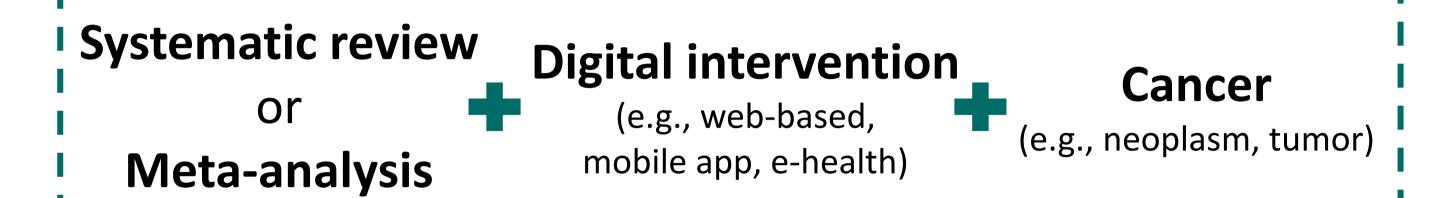


umbrella review (i.e., systematic conducted reviews) following systematic was international guidelines^{1,2}.

Databases:

Embase, PsycINFO, PubMed, CINAHL et Cochrane Library

Keywords:





20 references

reporting 260 studies were identified*

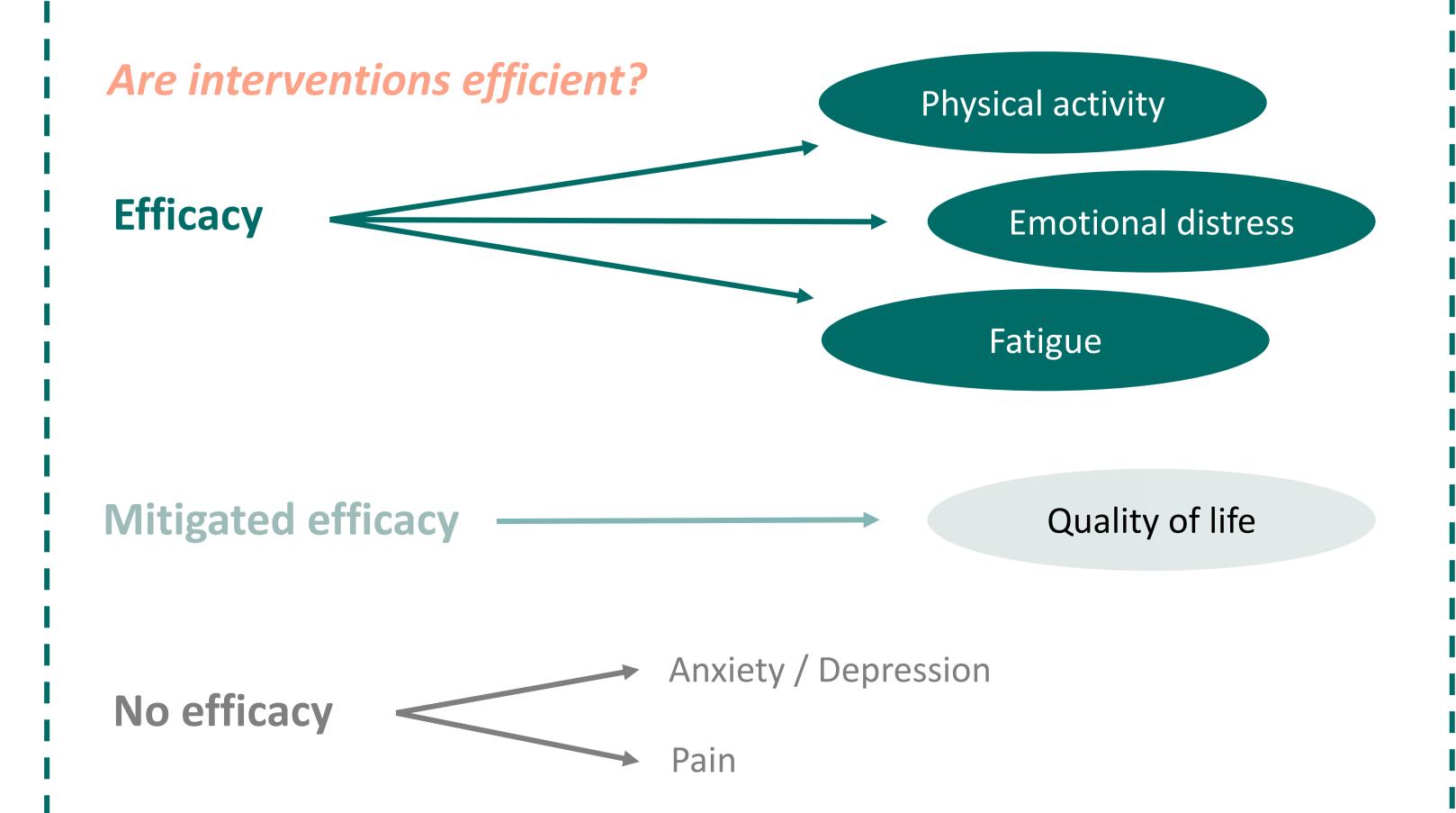
Interventions for whom?

Adult patients (n = 16), children with cancer (n = 2), and patients relatives (n = 2)

Interventions for what?

Interventions can target:

- Behaviors (e.g., physical activity);
- Emotions (e.g., emotional management);
- Functional variables (e.g., fatigue, pain);
- Quality of life.



One main limit: existing interventions are methodologically weak, or their theoretical framework is not specified.

(°°°) Conclusion

Digital supportive care interventions can be an efficient tool in oncology.

Some points should draw a particular attention in further development of interventions:

- A specific attention should be payed to develop interventions for relatives as they are members of the patients' system;
- Those interventions should meet recommendations allowing for a solid methodological anchoring^{3,4};
- They should consider and precise the role of healthcare professionals in the digitalization of the patientcare;
- Transparency in each phase of the development of interventions should be crucial, meeting the principles of open science

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References

¹ Rethlefsen et al. (2021) Syst. Rev; ² Aromataris et al. (2015) Int J Evid Based Healthc; ³ Czajkowski et al. (2015) Health Psychol; ⁴ O'Cathain et al. (2019) BMJ Open

*For the flowchart and the complete list of included studies, scan the QR code:

