



Availability and use of web-based interventions for patients with head and neck cancer: A Scoping Review

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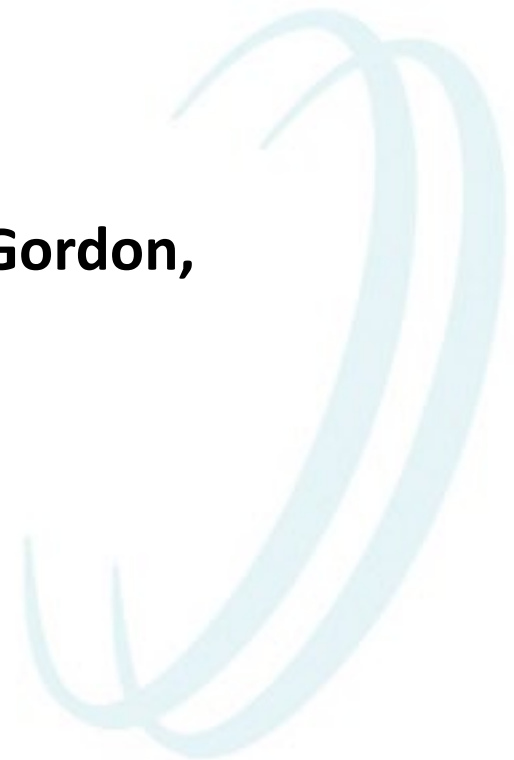
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Availability and use of web-based interventions for patients with head and neck cancer: A Scoping Review

**Dr R. Kelly, Dr Cherith Semple, Mr. P. Gordon,
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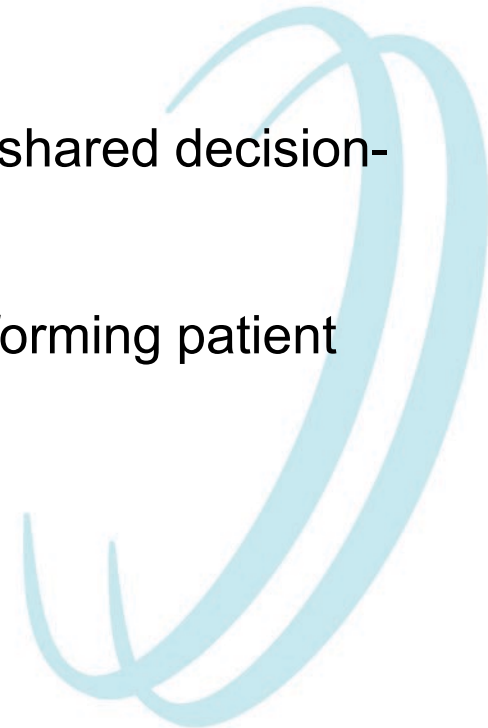


Background

- **Impact** of treatment on function and appearance depend on subsite and treatment modalities
- **Effects** individual's social, work, and personal relationships
- **Person-centred Care** includes provision of relevant stratified information
- **Accurate** representative information promotes shared decision-making
- **Increased** use of the internet in healthcare, informing patient decision-making



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Aim of review

- To map current websites available for HNC patients and assess their quality
- To identify published research papers and provide a summary of current evidence, to include gaps in knowledge on utility of web-based interventions for HNC patients



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Methods 1

Database searches

- Seven electronic databases
- Empirical papers 2010-2020

Websites searches

- First 100 unique sites using Google

Screening

- PRISMA
- Inclusion/exclusion criteria

Analysis

- Thematic analysis of papers
- QUEST analysis tool for websites



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Methods 2

Search terms - literature:

S1: Web-based interventions AND Head and neck cancer

S2: Web-based interventions AND head and neck cancer and diagnosis and treatment

S3: Online resources AND head and neck cancer

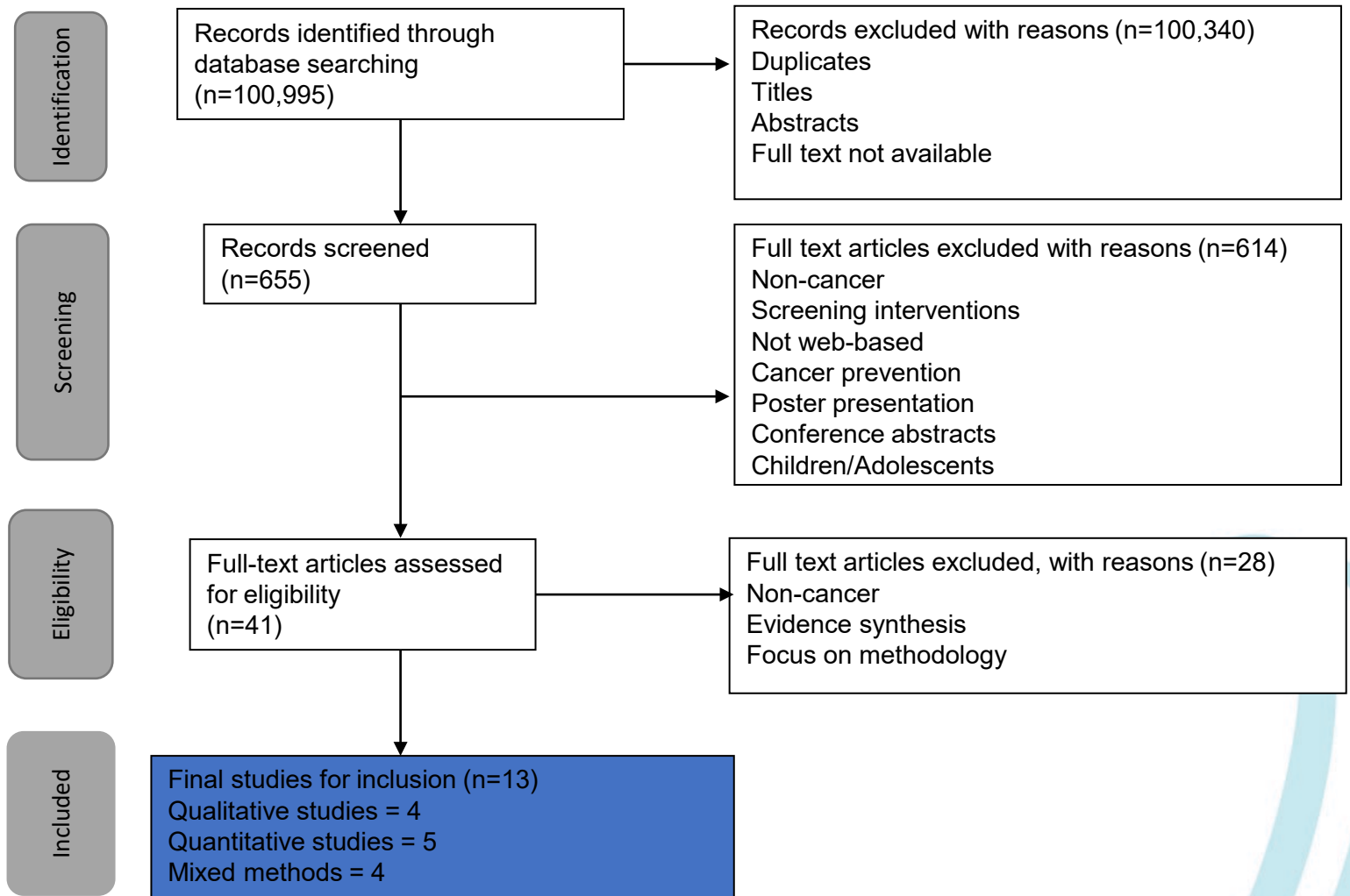
Search term – Websites

S1: head and neck cancer



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Tricco, et al. PRISMA extension for scoping reviews (PRISMA-ScR): checklist and explanation. *Annals of Internal Medicine*. 2018; <https://doi.org/10.7326/m18-0850>



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QUEST (Quality Evaluation Scoring Tool)

Website

Authorship

Attribution

Conflict of Interest

Currency

Complementarity

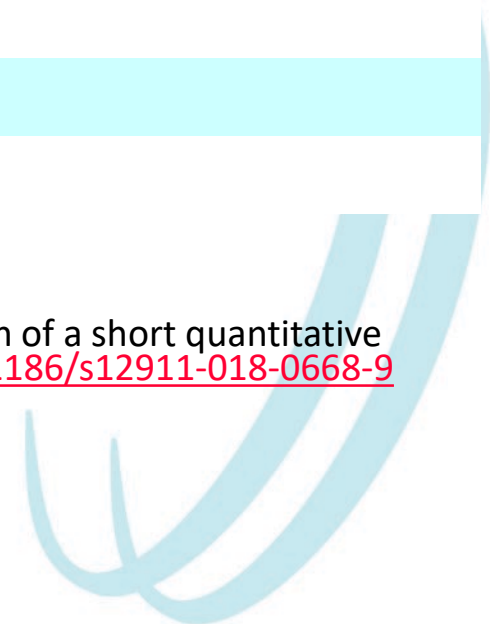
Tone

Total (0-28)

Robillard et al (2018) The QUEST for quality online health information: validation of a short quantitative tool. BMC Medical Informatics and Decision Making, 18:87. <https://doi.org/10.1186/s12911-018-0668-9>



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Results

Literature (n=13) demonstrated that web-based interventions provided:

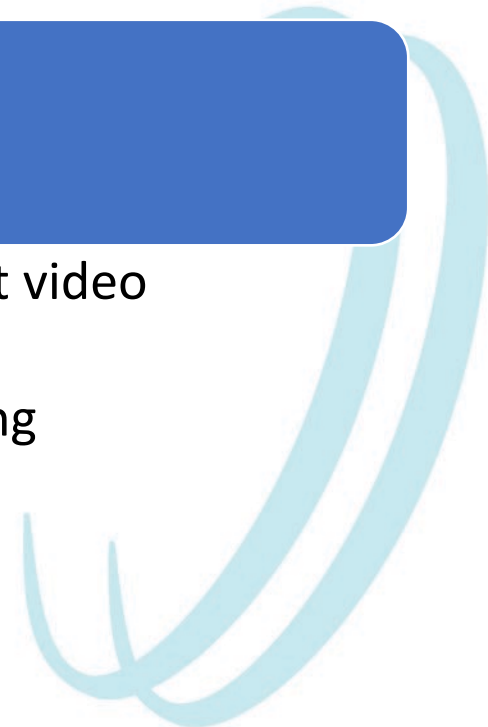
- Patient information on HNC and related treatments
- Advice and support during treatment
- Management strategies relating to survivorship

Websites (n=32) were:

- Mainly text-based with only a few utilizing patient video narratives
- Minimal information to aid shared decision-making



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Conclusions

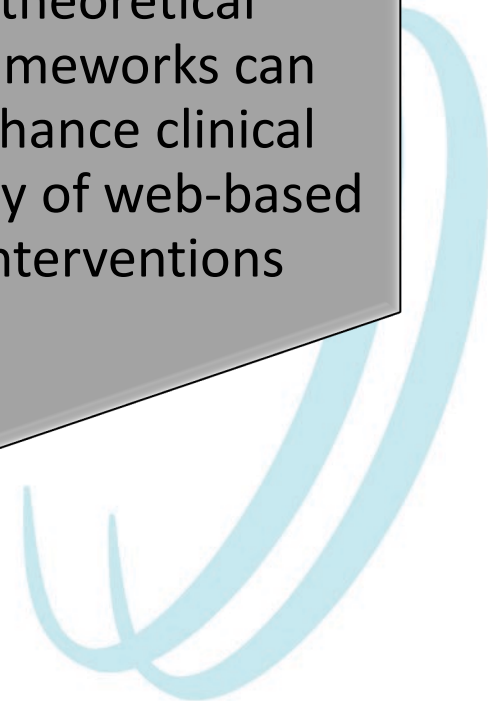
No evidence of other reviews melding research papers and websites

Quality of existing HNC websites are rarely subject to quality assurance, and are more often clinician-focused, rather than patient-focused

Co-production methodologies underpinned by theoretical frameworks can enhance clinical utility of web-based interventions



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In Conclusion

- Further work is needed for this complex tumour group
- Credibility and effectiveness can be promoted through co-production
- Using an intervention development framework can enhance the acceptability, usability and effectiveness of web-based interventions



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