# **CORE ELEMENTS OF NUTRITION MODELS OF CARE FOR PEOPLE WITH CANCER: A SCOPING REVIEW**

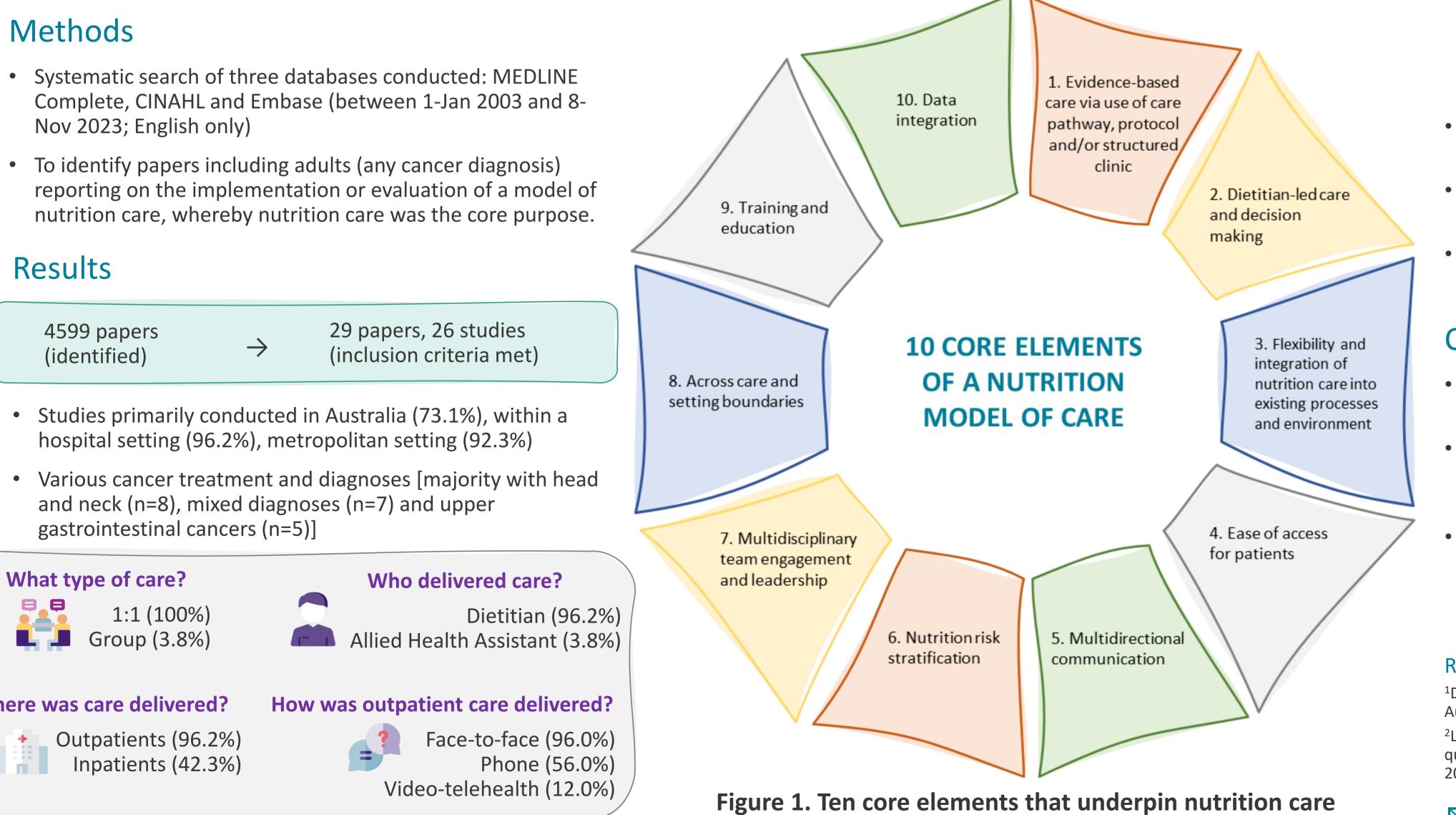
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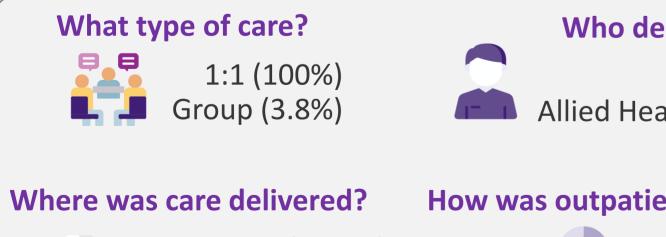
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## Introduction

- A model of care is a multi-faceted concept that broadly describes the delivery of health care within the health system<sup>1</sup>
- Pragmatic guidance for the implementation of evidence-based cancer nutrition models of care into clinical practice is lacking
- This scoping review aimed to explore the core elements and principles of nutrition models of care for people with cancer.

- Complete, CINAHL and Embase (between 1-Jan 2003 and 8-Nov 2023; English only)
- reporting on the implementation or evaluation of a model of nutrition care, whereby nutrition care was the core purpose.











## **Results continued...**

• All (100.0%) papers aimed to test or implement evidencebased nutrition care via a care pathway, protocol or clinic

• N=16 (61.5%) described as unimodal (i.e., dietitian/nutrition intervention only) and the remainder multimodal

• Ten core elements identified that supported and underpinned nutrition care within each of the models of care (Fig. 1).





### **Outcomes improved by a nutrition model of care:**

#### Patient level:

- Use of enteral and parenteral nutrition
- Diet adequacy/ use of oral nutrition support
- Body weight

# **Results continued...**

- Most studies included:
- All four components of the nutrition care process reported in 76.9% of studies<sup>2</sup>
- No studies reported that patients/carers had co-designed the model of care with health professionals
- Only four studies reported the use of an implementation framework or model

# Conclusion

- Cancer nutrition models of care are primarily limited to metropolitan, hospital settings and high nutrition risk cancers
- In most models a valid nutrition assessment tool was not used, patient/carers were not involved in the development and implementation was not guided by a framework
- The core elements identified in this review will inform an evidence-based framework for a future model of nutrition care for people with cancer that has potential to improve the implementation of high-quality nutrition care.

#### References

2003. 103(8): p. 1061.

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#### Service level:

- Access to care
- Length of stay
- Hospital (re)admissions
- Quality of life
- Treatment completion

#### Implementation:

- Adherence to evidencebased practice
- Feasibility
- Patient and clinician satisfaction/acceptability
- Costs

- $\rightarrow$  nutrition screening method including automatic referral to the dietitian or use of a screening tool (84.6%)
- $\rightarrow$  nutrition assessment process (92.3%), but only 50.0% used a valid and reliable assessment tool

- <sup>1</sup>Davidson, P., et al., Beyond the rhetoric: what do we mean by a 'model of care'? Australian Journal of Advanced Nursing, 2006. 23(3): p. 47-55.
- <sup>2</sup>Lacey, K. and E. Pritchett, Nutrition Care Process and Model: ADA adopts road map to quality care and outcomes management. Journal of the American Dietetic Association,

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