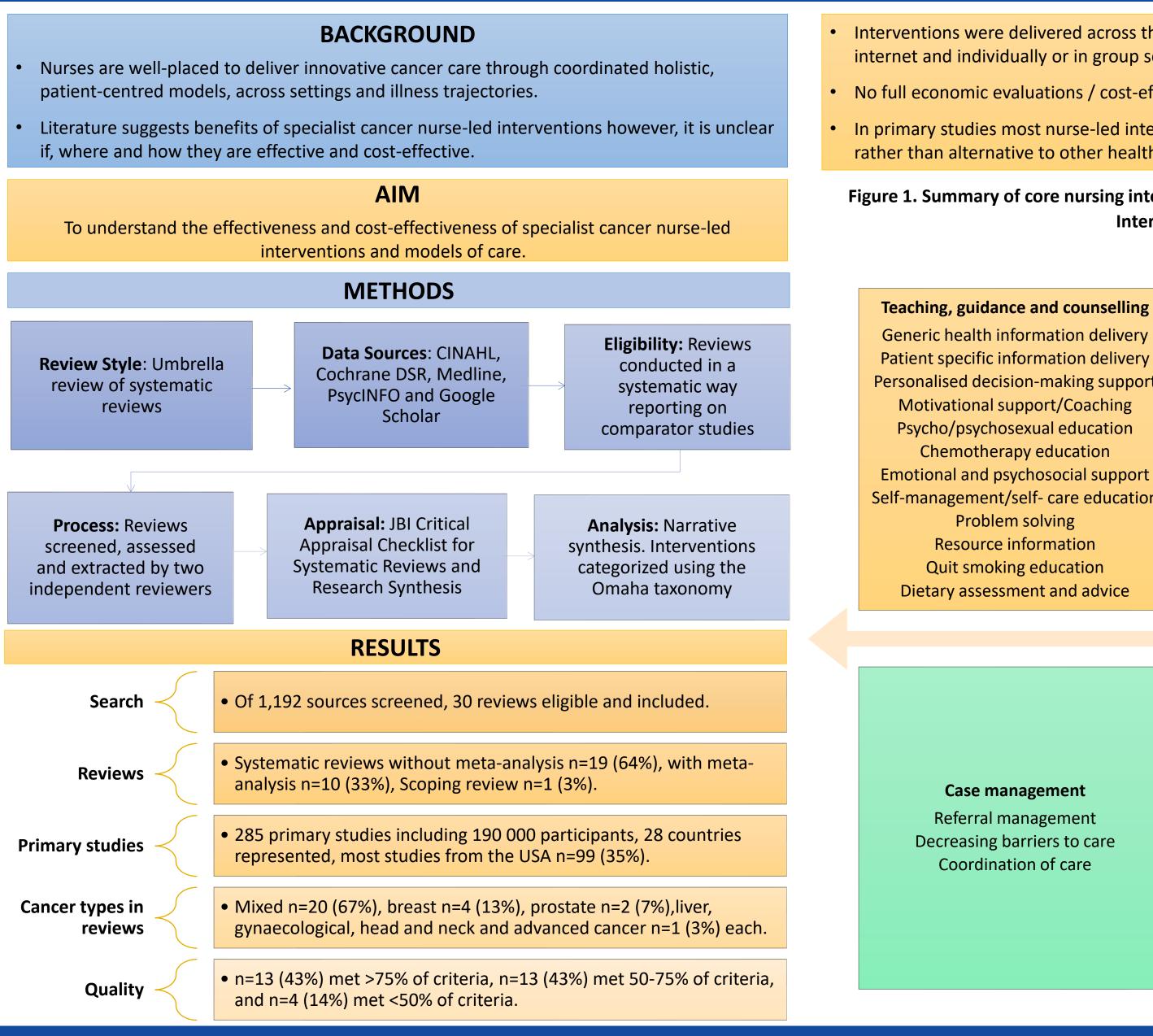
Effectiveness and cost-effectiveness of cancer specialist cancer nurse-led interventions: An umbrella review of systematic reviews

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- Interventions were delivered across the cancer trajectory, face-to-face, via telephone or internet and individually or in group settings.
- No full economic evaluations / cost-effectiveness studies were included.
- In primary studies most nurse-led interventions n=244 (86%) were in addition to usual care rather than alternative to other health care professional interventions.

Figure 1. Summary of core nursing interventions categorised against the Omaha System **Intervention Scheme**

When counting specific outcomes measures specialist cancer nurse-led interventions were ...

Figure 2. Comparison of nurse-led intervention vs comparator outcomes

Generic health information delivery Patient specific information delivery Personalised decision-making support Motivational support/Coaching Psycho/psychosexual education Chemotherapy education Emotional and psychosocial support Self-management/self- care education Problem solving **Resource information** Quit smoking education Dietary assessment and advice

Treatment and procedures

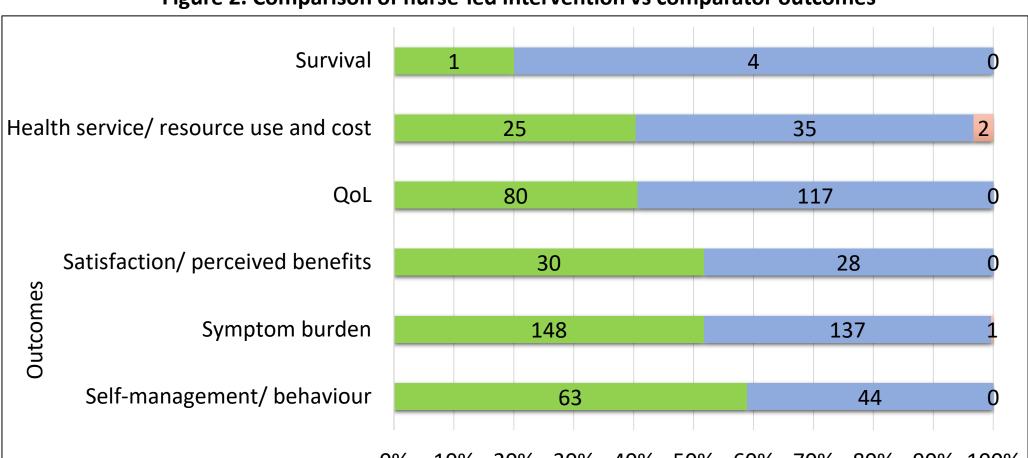
Symptom management Physical or practical interventions Psychosocial interventions Stress and anxiety management Pain interventions Rehabilitation Prehabilitation **Behavioural therapy** Assessment and triage Smoking cessation prescribing Dietary plan development

Case management

Referral management Decreasing barriers to care Coordination of care

Surveillance

General follow up Symptom monitoring Primary contact person for follow up **Dietary monitoring**



- services across the cancer trajectory.
- care.
- roles and models of care.



(*))cGrath Foundation



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- More effective than comparator groups at improving: self-management and behavior outcomes (n=63/107, 59%),
- symptom burden (n=148/286, 52%) and,
- satisfaction (n=30/58, 52%) (Figure 2).

<u>No different</u> than comparator groups for:

- quality of life (n= 80/197, 40%),
- healthcare utilization and cost (n=25/62, 40%) and,
- survival (N=1/5, 20%) (Figure 2).

0% 10% 20% 30% 40% 50% 60% 70% 80% 90% 100% Outcome counts (individual or pooled)

Favoured nurse-led intervention No difference to comparator Favoured comparator

TAKE HOME MESSAGES

Cancer nurses provide valuable care through the provision of additional

nurse-led interventions to support unmet needs of patients and health

Economic evaluations and other studies are needed to understand the value of nurse-led

Findings can inform refinement and continued development of specialist cancer nursing

