

The RECaN project

Results from phase 1 Systematic review & meta- analysis



DISCLOSURE SLIDE

There are no disclosures of interest to declare



RECaN project



- 1. Systematic review of published cancer nursing trials.
- 2. Data collection from leaders, cancer nurses and managers in four country on roles, working conditions, education, leadership, communication and safety
- 3. Work with EU / national policy makers to explore & address issues raised; all EONS working groups, strong Advocacy focus.





Recognising European Cancer Nursing

Phase 1 now complete:

JAN

Informing Practice and Policy Worldwide through Research and Scholarship

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PROTOCOL

Recognizing European cancer nursing: Protocol for a systematic review and meta-analysis of the evidence of effectiveness and value of cancer nursing

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Aims of RECaN Phase 1



- To systematically identify the roles and types of intervention activities currently undertaken by cancer nurses
- To determine the effectiveness and cost-effectiveness of interventions delivered by cancer nurses in improving the experience and outcomes of people with cancer

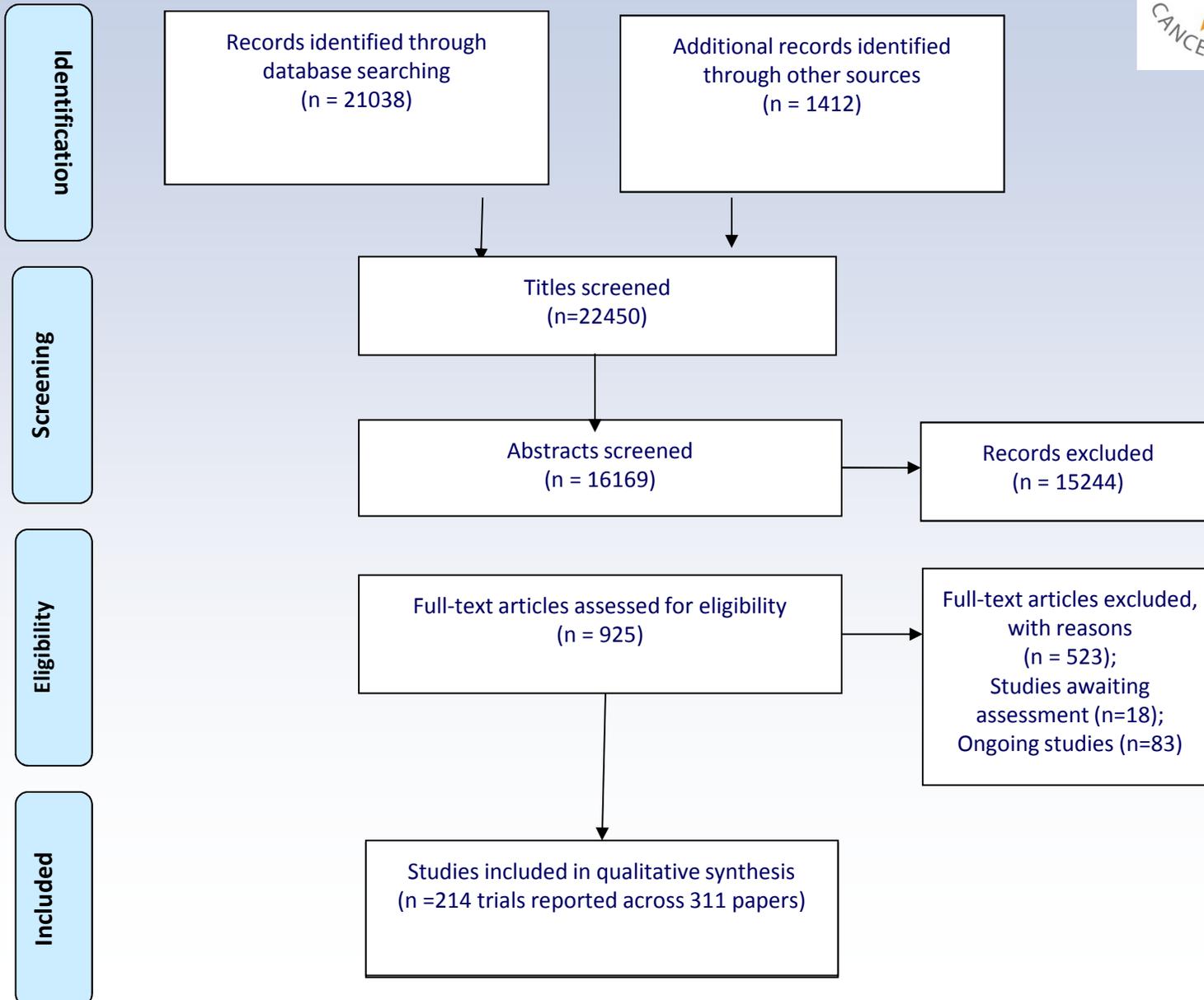




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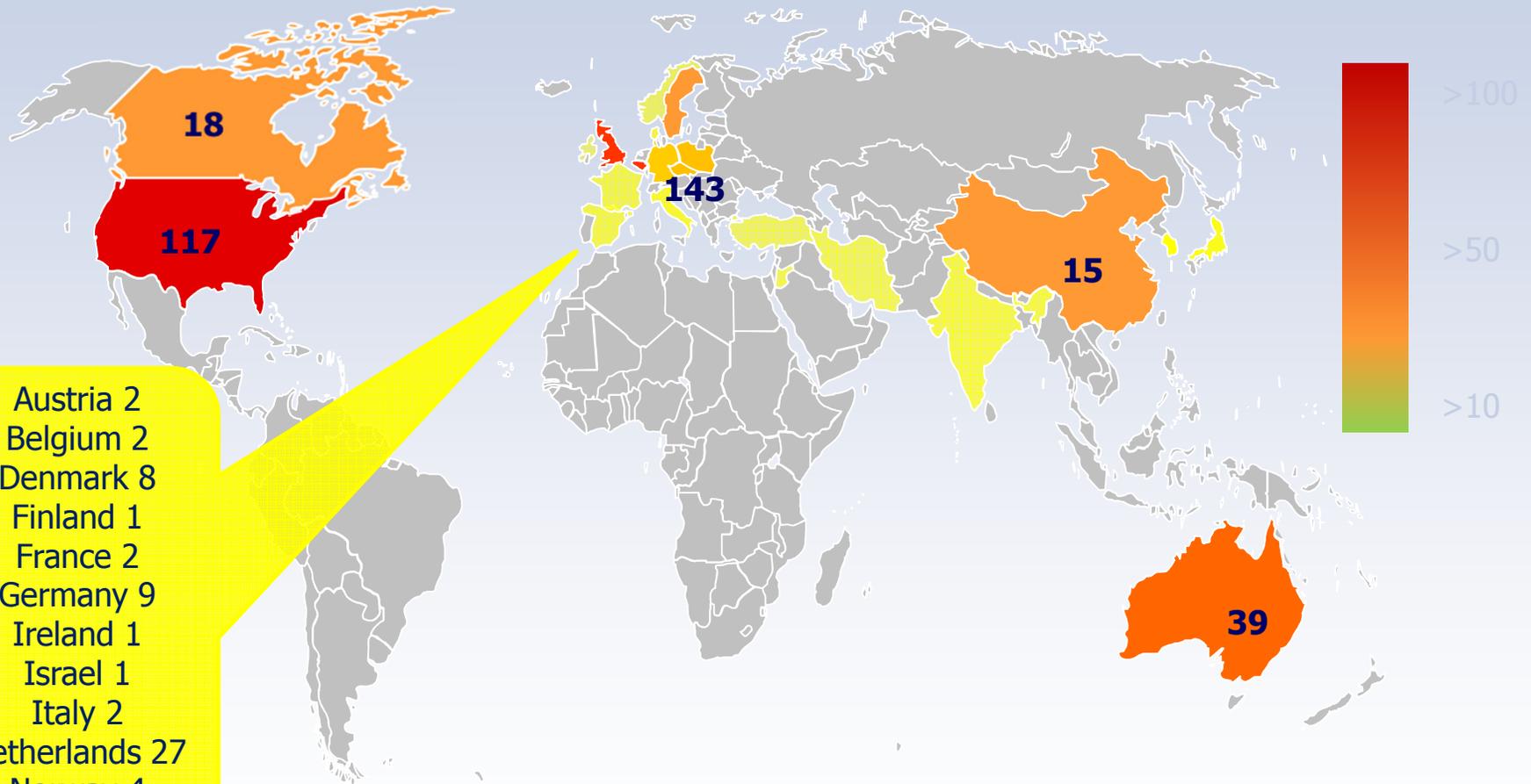


PRISMA Flow Diagram





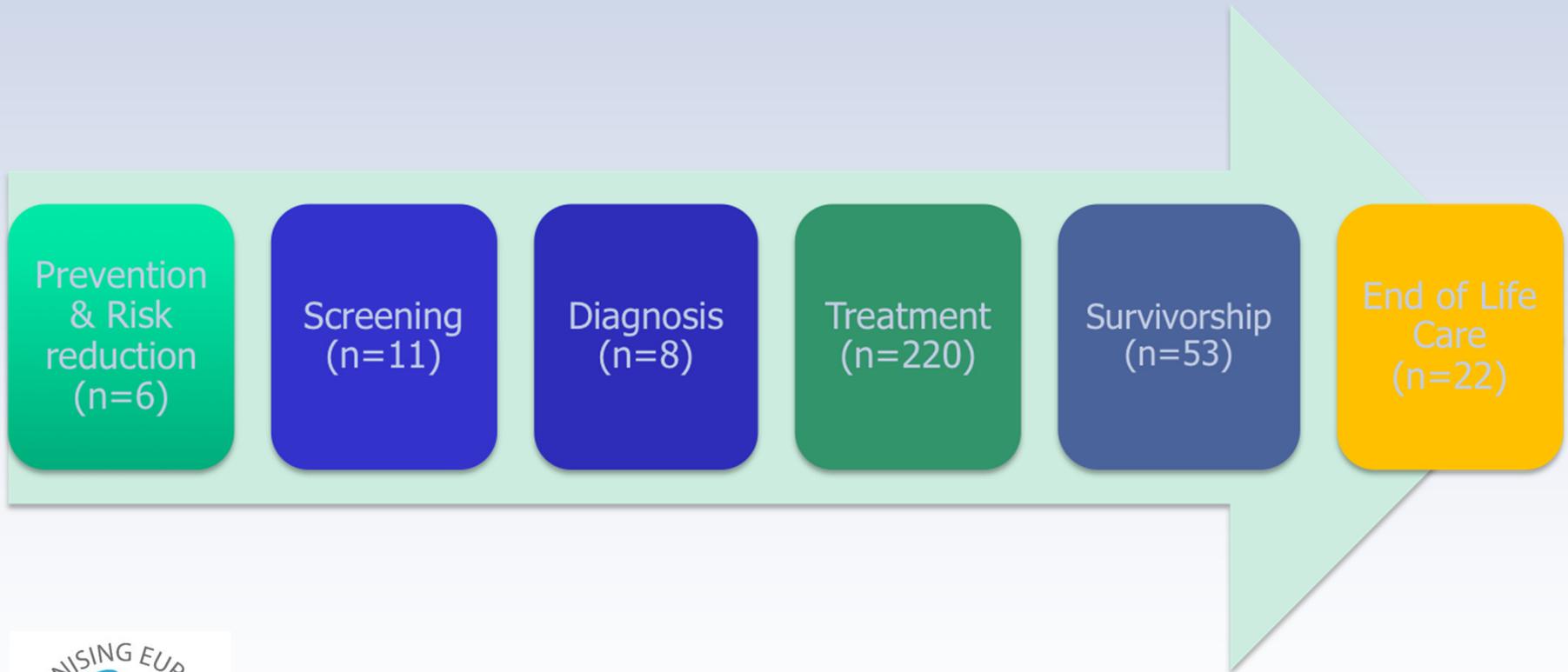
Origin of cancer nursing trials



- Austria 2
- Belgium 2
- Denmark 8
- Finland 1
- France 2
- Germany 9
- Ireland 1
- Israel 1
- Italy 2
- Netherlands 27
- Norway 4
- Spain 4
- Sweden 13
- Switzerland 4
- Turkey 4
- UK 59



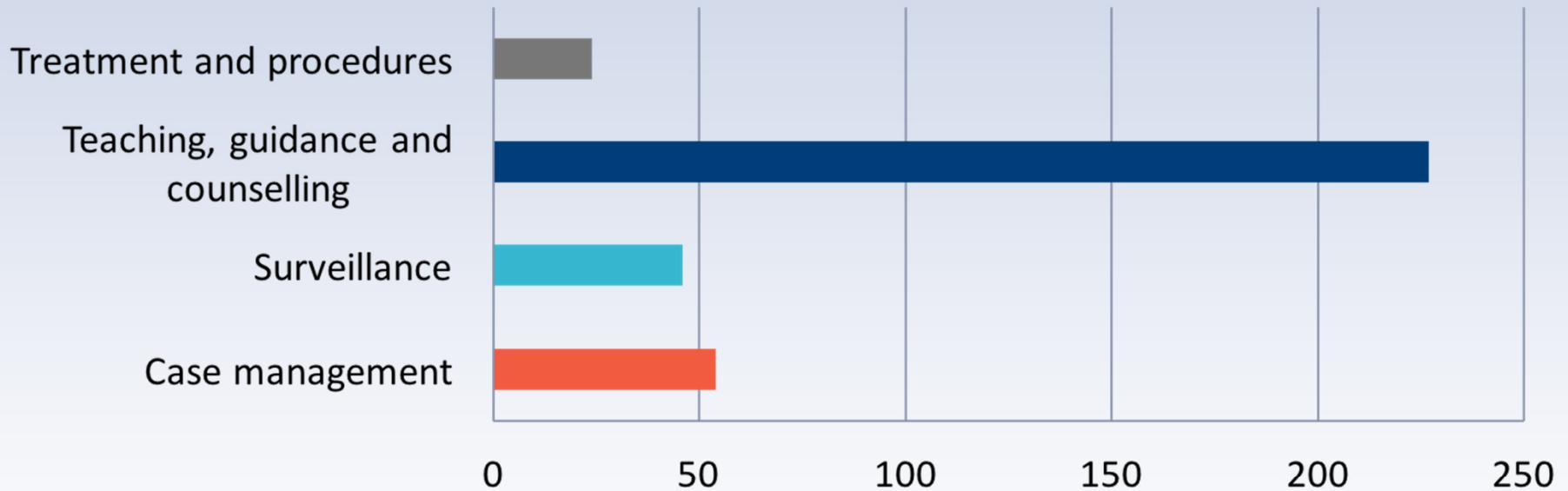
Focus within cancer care continuum





Nature of intervention - OMAHA

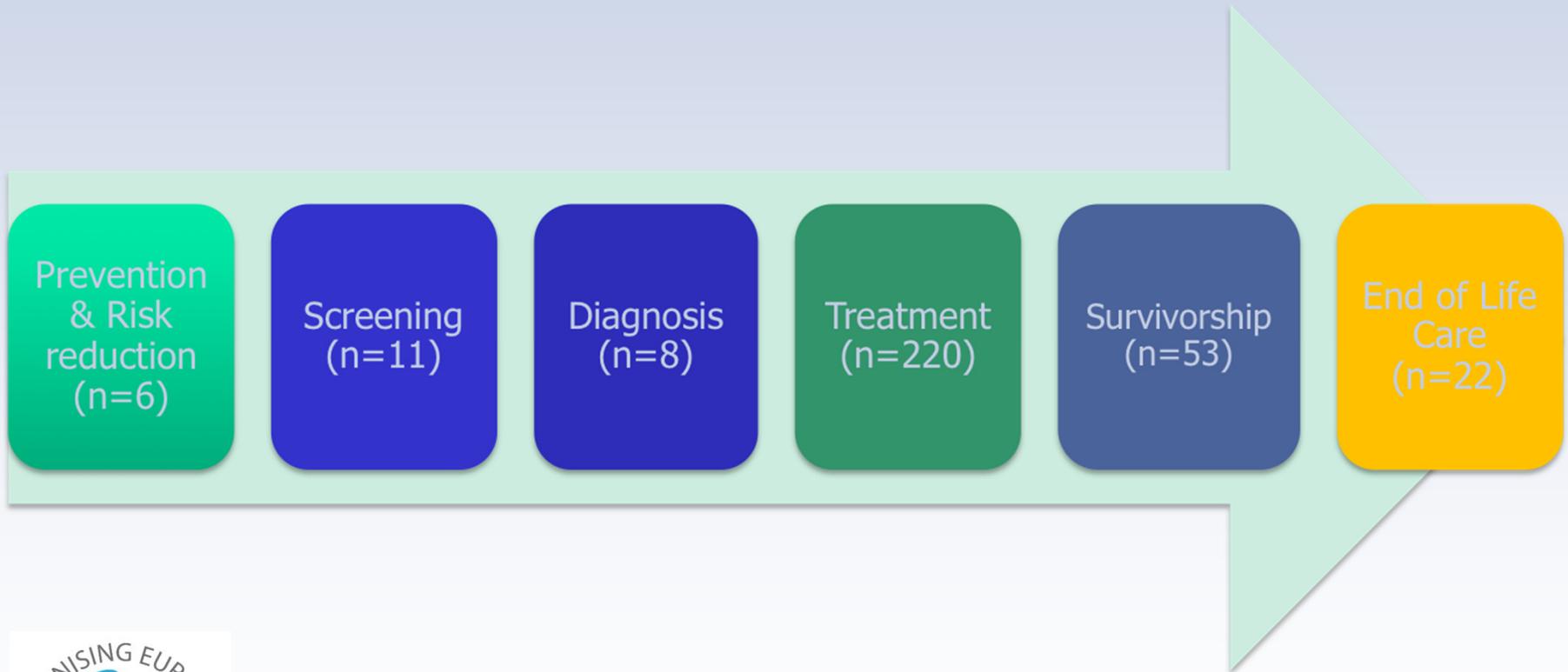
OMAHA categories



	Case management	Surveillance	Teaching, guidance and counselling	Treatment and procedures
■ Number of trials	54	46	227	24



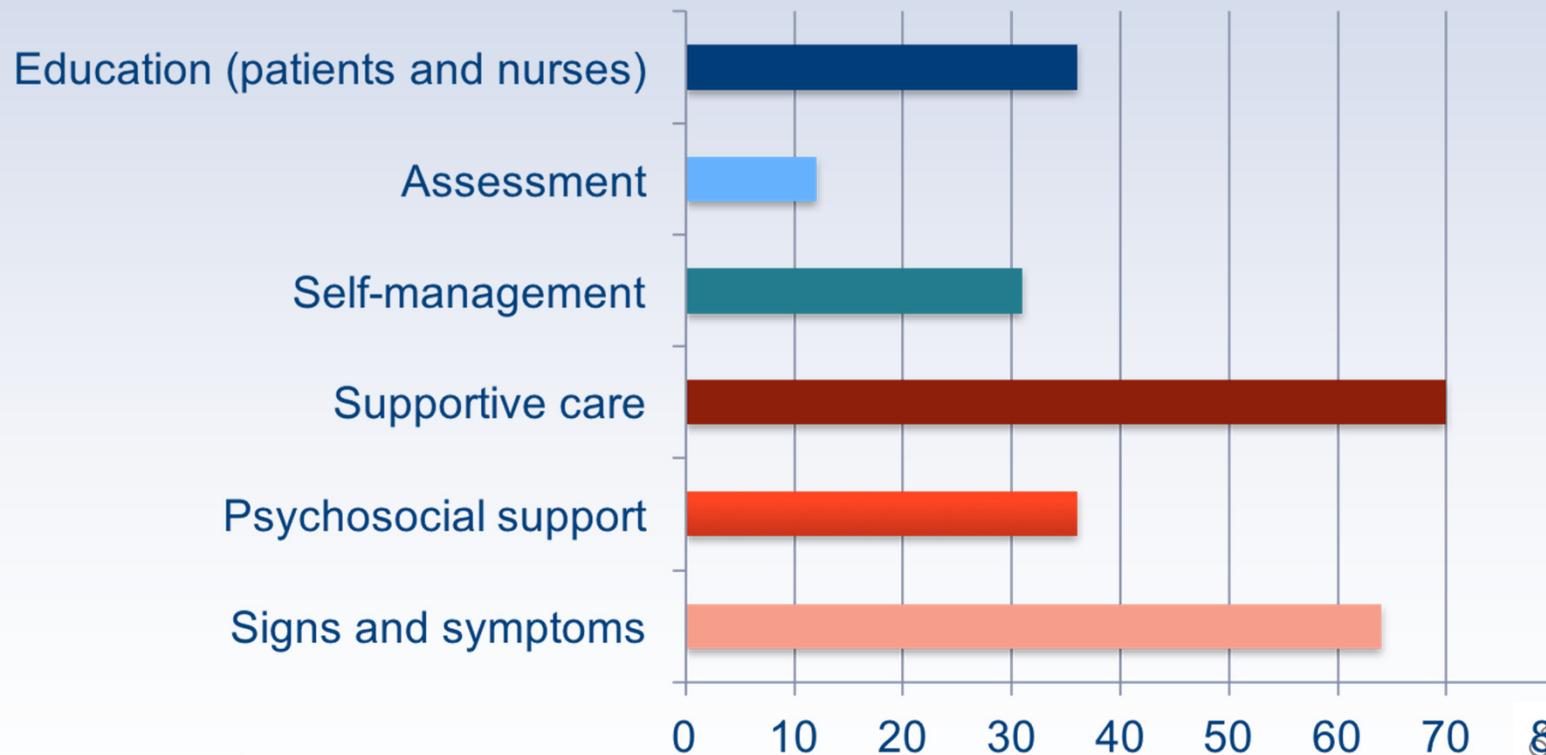
Focus within cancer care continuum





Main component of cancer nursing interventions

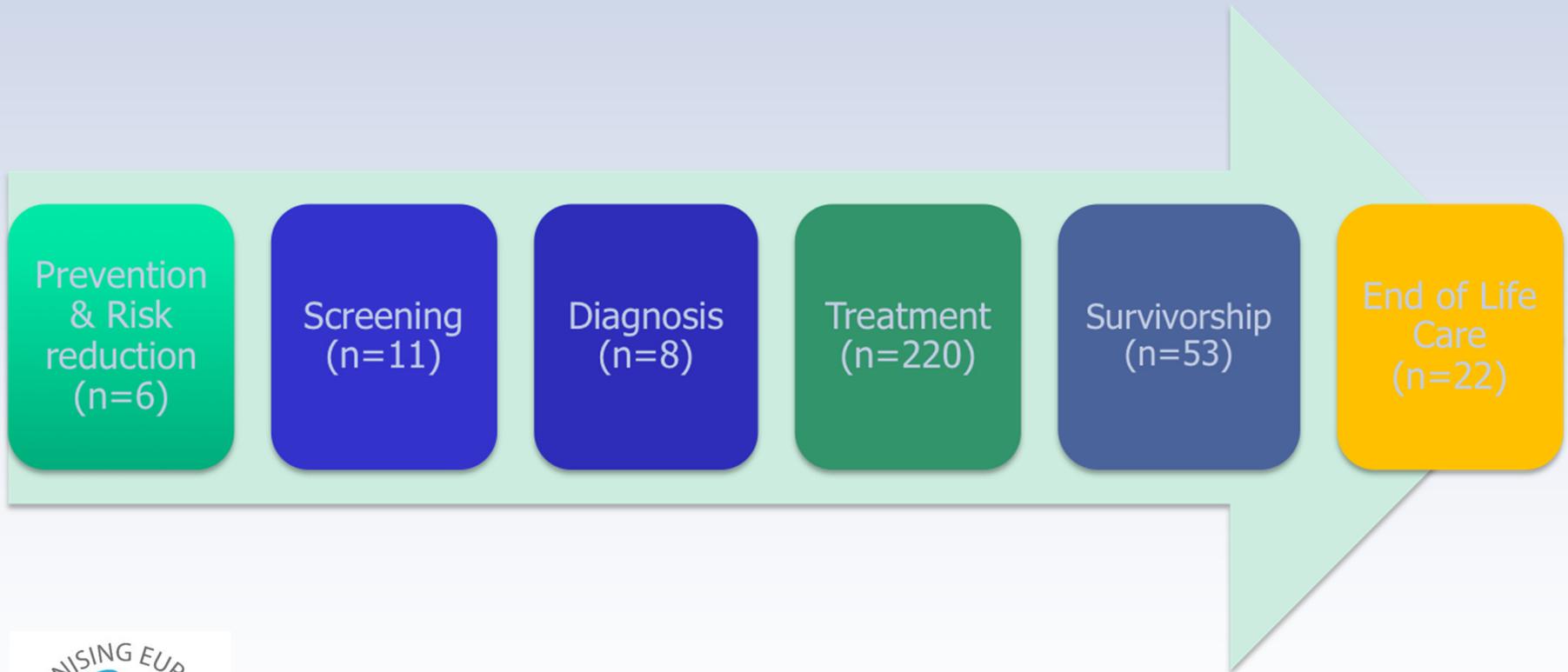
Number of trials



OMAHA
75+ tasks



Focus within cancer care continuum



Meta-analysis

The statistical analysis of a large collection of analysis results from individual studies for the purpose of integrating the findings.

Using Cochrane & PRISMA methods

Haidich (2010) Meta-analysis in medical research.
Hippokratia 14: 29-37.



Meta-analysis of effectiveness

Effectiveness & cost-effectiveness were our focus.

We assessed the quality of published studies by looking at issues of bias (e.g. selection bias, performance bias & detection bias)

Also quality of trial evidence (e.g. limitations, inconsistency of results, imprecision)



Key findings 1

No high grade evidence of benefit

Moderate grade evidence for cancer nurse led interventions inc. pain, N&V & constipation.

Low grade evidence on QoL, fatigue, psychological morbidity

No evidence of harm

On EORTC-30 greater benefit on role function domain in tx phase

Small no of trials evaluated costs, majority of these supported some benefit.



Key findings 2

Heterogeneity & lack of consistent outcome measures

Usual care **poorly defined**

Some trials may have been missed

Some compare nursing with another discipline's effectiveness – we only compared with **usual care**

Identity of lead researcher as a **nurse** not always clear.



Take home messages

First study to take such a **universal approach**

Indicates **the issues** cancer nurses want to improve for patients via nurse-led trials

Need to improve **quality and reporting** in the future

Gaps in the cancers/practice issues that we do not address

Focussing on tx & costs brings **benefit**



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Dr Pauline Campbell, NMAHP Research Unit,
Stirling University

EONS Research Working Group



Publications to date

Campbell P, Torrens, C, Kelly D, Charalambous A, Domenench-Climent N, Novahova I, Ostlund U, Oldenmenger W, Patiraki E, Salisbury D, Sharp L, Wiseman T, Wells M (2017) **Recognising European Cancer Nursing: Protocol for a systematic review and meta-analysis of the evidence of effectiveness and value of cancer nursing. *Journal of Advanced Nursing. 73: 3144-3153.***

Charalambous A, Wells M, Campbell P, Torrens C, Ostlund U, Oldenmenger W, Patiraki E, Sharp L, Novahova I, Domenench-Climent N, Eicher M, Farrel C, Larrison M, Olsson, C, Simpson M, Wiseman T, Kelly D (2018) **A scoping review of trials of interventions led or delivered by cancer nurses. *International Journal of Nursing Studies. 86: 36-43.***

