

Cancer and Nutrition NIHR infrastructure collaboration

Alan Jackson

NIHR Director for Nutrition Research

Improving cancer prevention and care. For patients. For clinicians. For researchers

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- Aim:
 - facilitate translational research in cancer and nutrition to generate the evidence to improve prevention and care
- Objectives:
 - bring coherence
 - creating a framework for future research
 - Establishing networks for sharing knowledge between cancer and nutrition stakeholders
- Southampton BRC, DH, WCRF, CRUK, BRCs, ECMC, Patient representatives

Nutrition and Cancer



Cancer includes all **types**, **sites** and **stages of cancer**. Stages of cancer include prevention, diagnosis, treatment, survivorship and palliative and end of life care

Nutrition is the set of integrated processes by which **cells, tissues, organs** and the **whole body** acquire the **energy and nutrients** for **normal structure and function**, which is achieved at body level through **dietary supply**, and the capacity of the body to transform the **substrates and cofactors** necessary for **metabolism**.

All of these domains (**diet, metabolic capacity, body composition** and level of demand for **energy and nutrients**) are influenced by levels of **physical activity** and can vary according to different **physiological** and **pathological** or **disease states**.

Phase One – Task and Finish



Patient experience survey

Clinicians survey

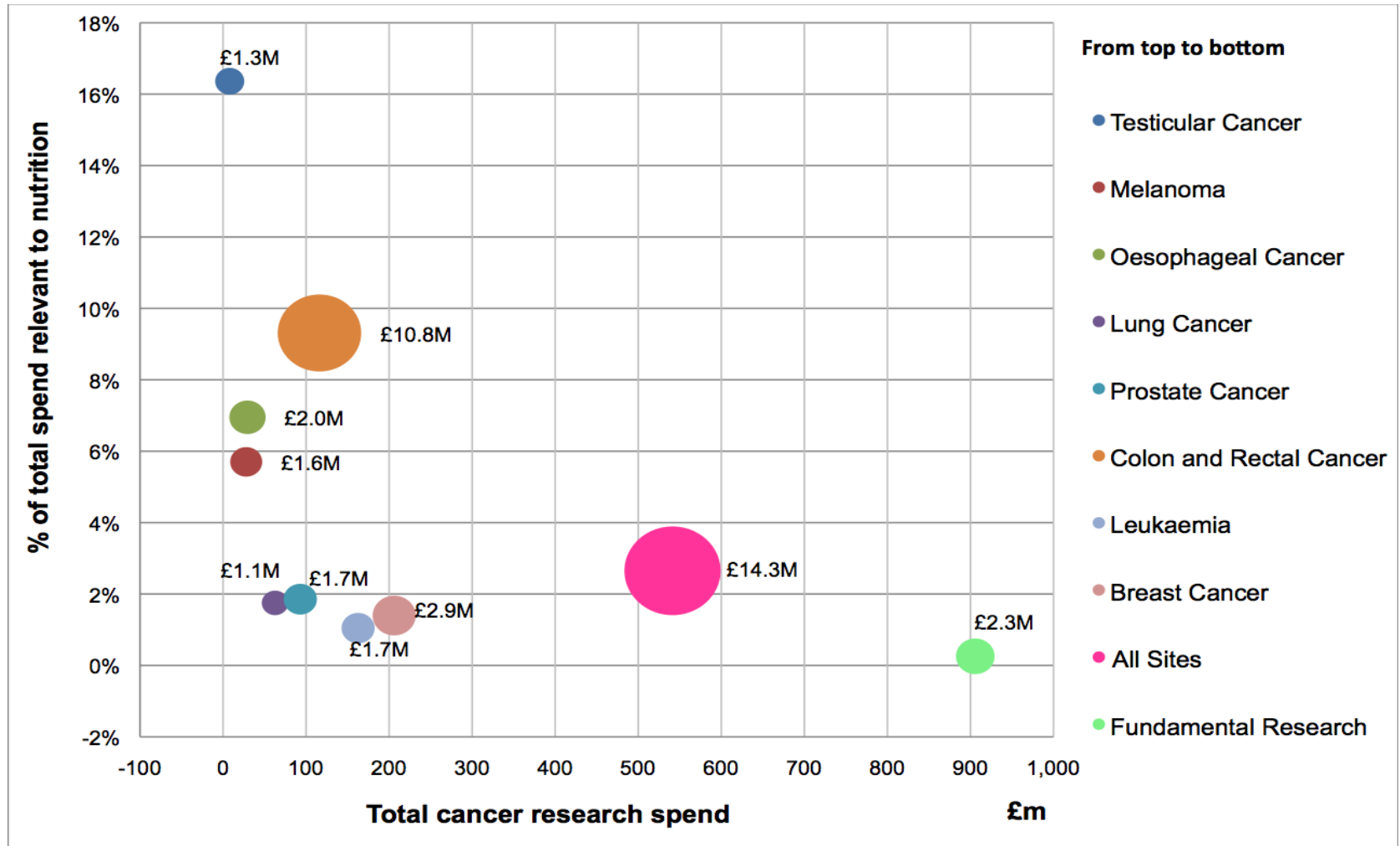
Mapping of UK cancer & nutrition research

Patient involvement

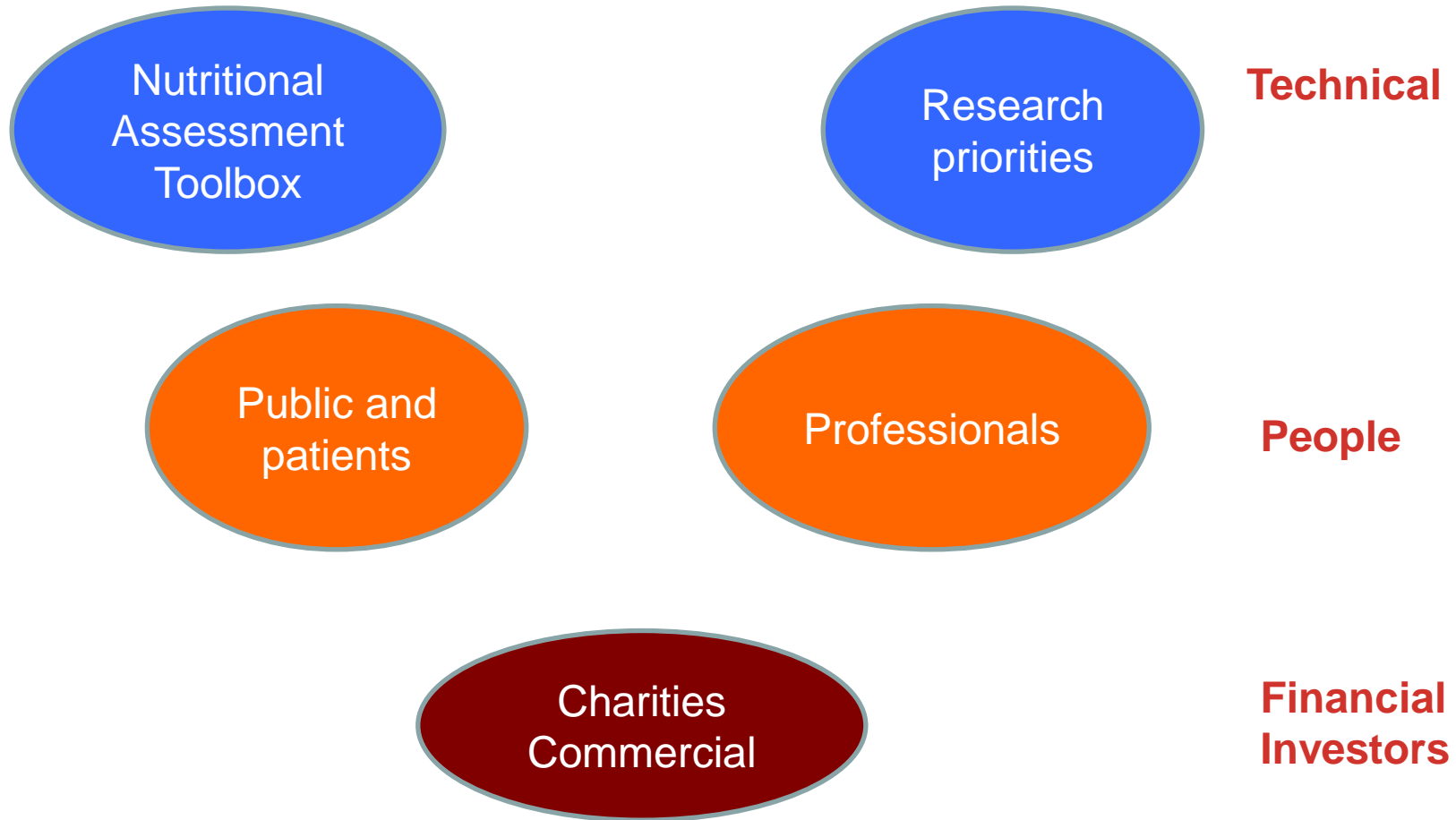
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- PPI is a priority, in order to help improve translational research
- Patient groups and individuals have shown support & enthusiasm for the initiative
- Patient representative on Steering Committee
- Patient responsible for leading workstream 1: Information provision and communication with Cancer Patients and the Public
- Patients on each of the other workstreams

Proportion of spending related to nutrition out of total research spend for the top 10 cancer sites

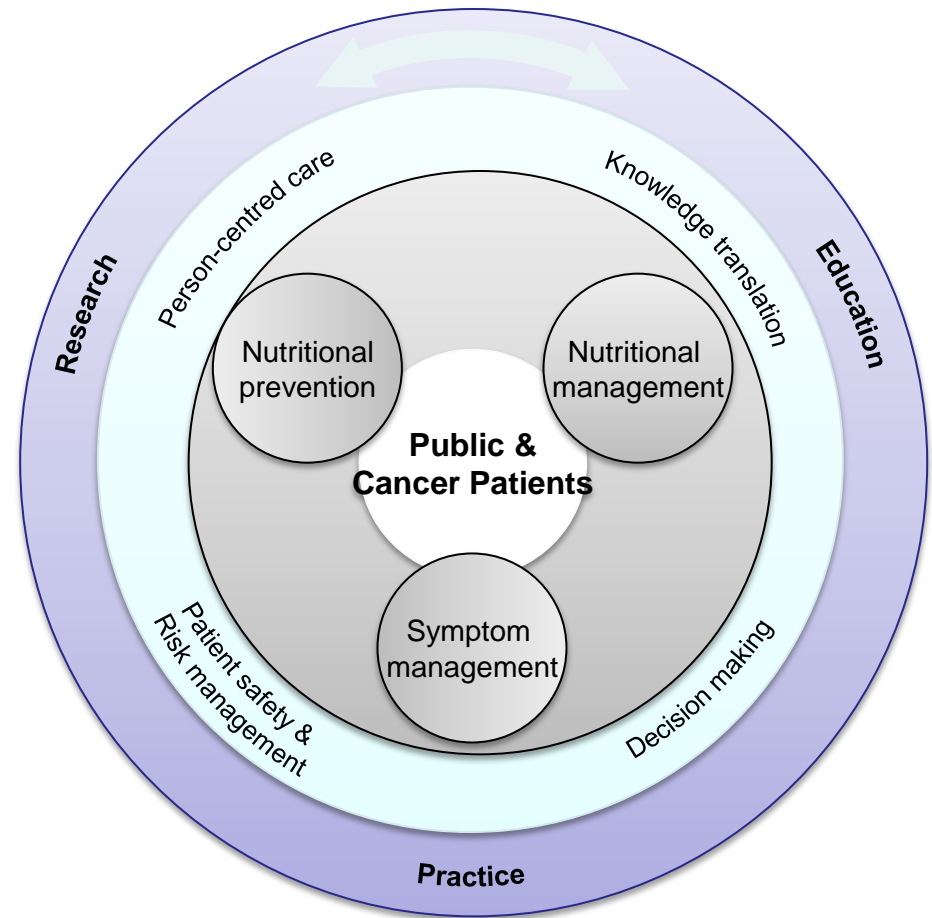


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Work streams

1. Information provision and communication with cancer patients and the public
2. Creating a skilled community of practice
3. Identifying major research priorities
4. Characterising nutritional status in cancer
5. Working with commercial sector



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Developing Work Streams

Getting high level buy in

Securing infrastructure as major theme within NIHR

Work streams

- Patient and public involvement and engagement
 - To ensure patient and public needs are central to the development of the collaboration
- Professionals and professional groups
 - To develop communities of practice
 - To assure quality (training qv nutritional assessment)
 - To build capacity (nutrition as main interest, nutrition as part of other practice)
- Future research priorities and framework
 - To build consensus on future framework for cancer and nutrition research
 - To promote collaborations
 - To promote coherence and complementarity among the research community in cancer and nutrition
- Assessment of nutrition status
 - To identify components of nutritional assessment appropriate to different levels of clinical need and complexity, and promote wider acceptance
- Commercial engagement
 - To identify opportunities for commercial engagement as the collaboration develops