



Maastricht University

Health Services Research
Focusing on Value-Based Care and Aging

Overall challenges of (medical) nutrition in performing economic evaluations

'Nutrition Economics'

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<https://ispor.org/member-groups/special-interest-groups/nutrition-economics>



Disclosure



Dept Health Services Research
 CAPHRI School for Public Health and Primary Care



Founder & Chair



Nutrition Economics Advisor

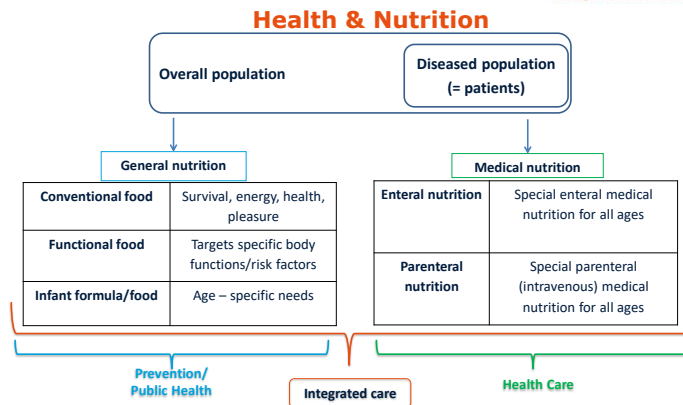


Physician & (Nutrition) Lifestyle

Education Commission

Partnership Overweight Netherlands (PON)

General manager



Features that prevent a straightforward use of pharmaco-economic models to nutrition

Many challenges in nutrition assessment - methodology

- Difficulty in **establishing a correlation** between a product's consumption and future health status (Health improvement & risk reduction vs care)
- Time-frame of **study must be long enough** to capture relevant events for assessing effectiveness
- Long timespan and number of relevant events increase **complexity/uncertainty** of nutrition economic models
- Food products come with their **nutritional profile** and **as part of the daily dietary intake**
- Foods are –in general– not subjected to reimbursement

(Medical) Nutrition

Novel synergistic **combinations**
of nutrients

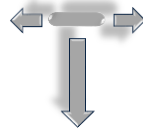


Nutrients focus on multiple
physiological systems,
safety has been proven

Mostly as part of total
treatment
→ on top of daily individual
diet

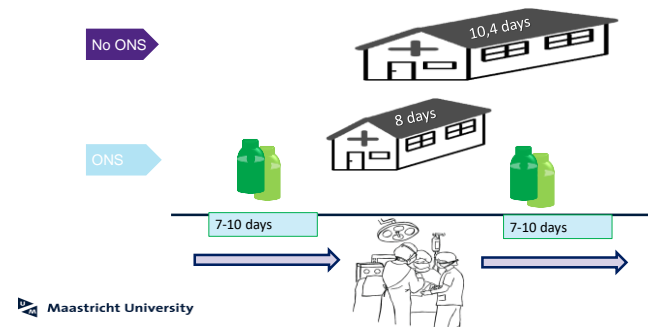
Pharma

(New) Chemical Entity
(one compound)

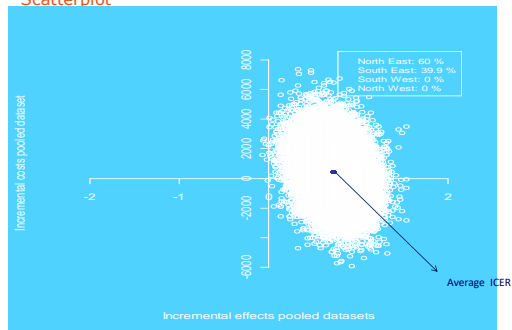


Focus on single intervention,
adverse events

Abdominal surgery patients



Scatterplot



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EQSD?

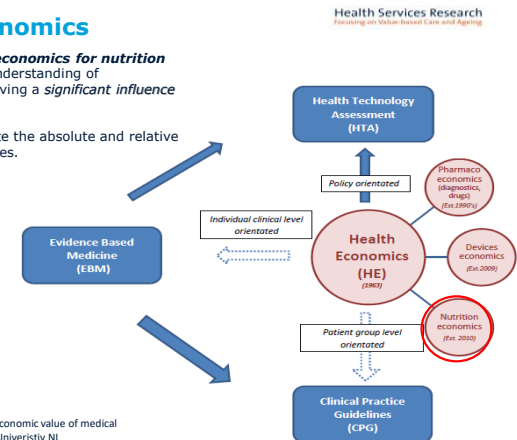
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Cost-effectiveness plane for the difference in Functionality Level elderly (Neelemaat et al 2012)

Nutrition Economics

Developing the field of health economics for nutrition could offer a better understanding of both *nutrition*, in the context of having a *significant influence on health outcomes*,

and *economics*, in order to estimate the absolute and relative monetary impact of health measures.



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Freijer K. Nutrition Economics: DRM & Economic value of medical nutrition - PhDthesis 2014, Maastricht University NL

2 SIG's



<https://www.ispor.org/member-groups/special-interest-groups/nutrition-economics>

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Nutrition Economics

Special Interest Group

INTEREST GROUPS

PUBLIC HEALTH

Initiative for Public Health
Outcomes Research &
Measurement (INPHORM)

Assessment of Vaccination
Programs

INTEREST GROUPS

PUBLIC HEALTH



<https://htai.org/interest-groups/public-health/>

OVERVIEW

The HTAI Public Health (PH-IG) was established in 2019. The IG Initiatives for Public Health Outcomes Research and Measurement (INPHORM) and the IG Assessment of Vaccines Programs (AVP) merged to form the Public Health IG. Public Health is a broad field which is rapidly expanding and