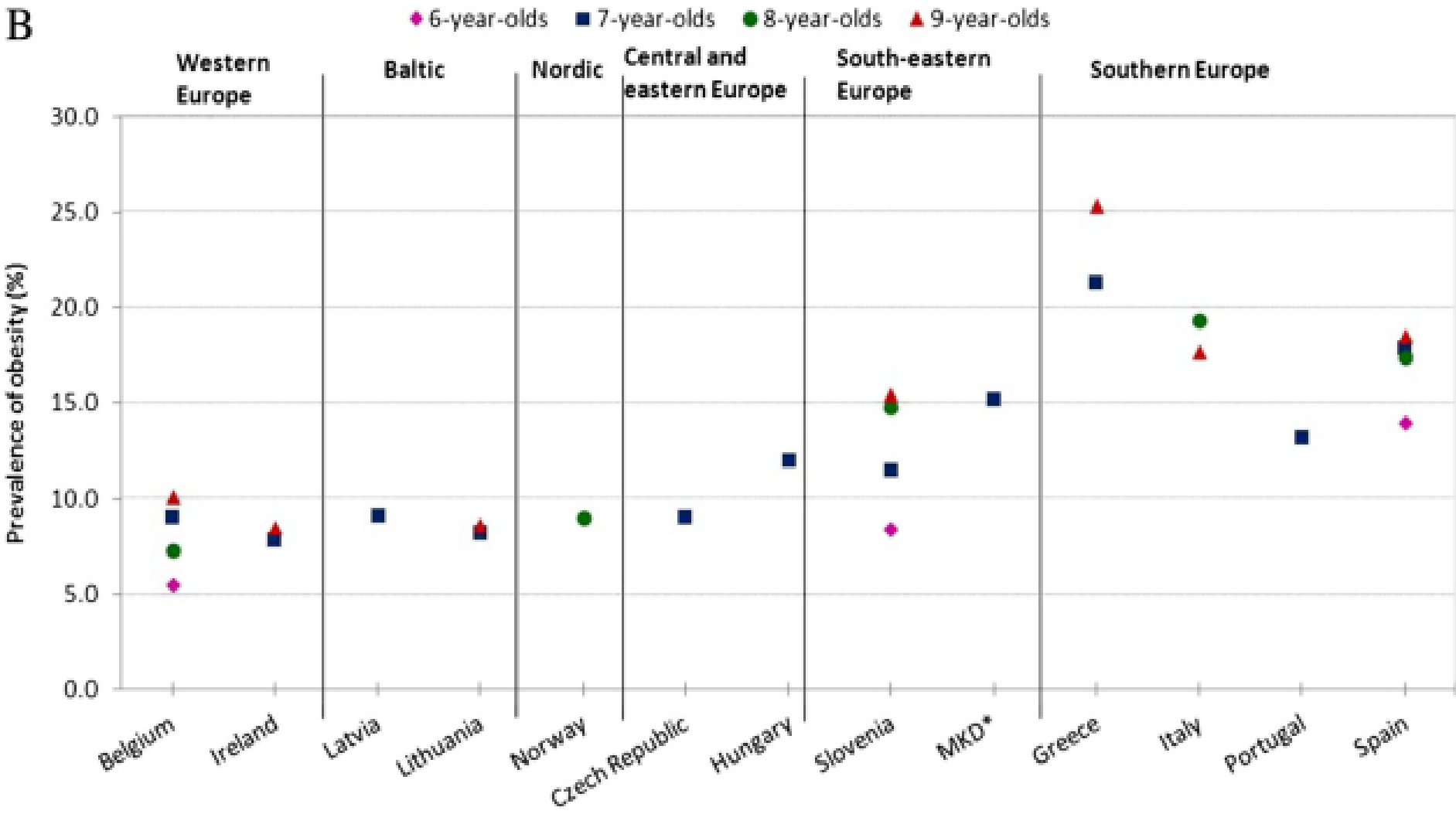


Double burden of malnutrition- situation analysis from Europe

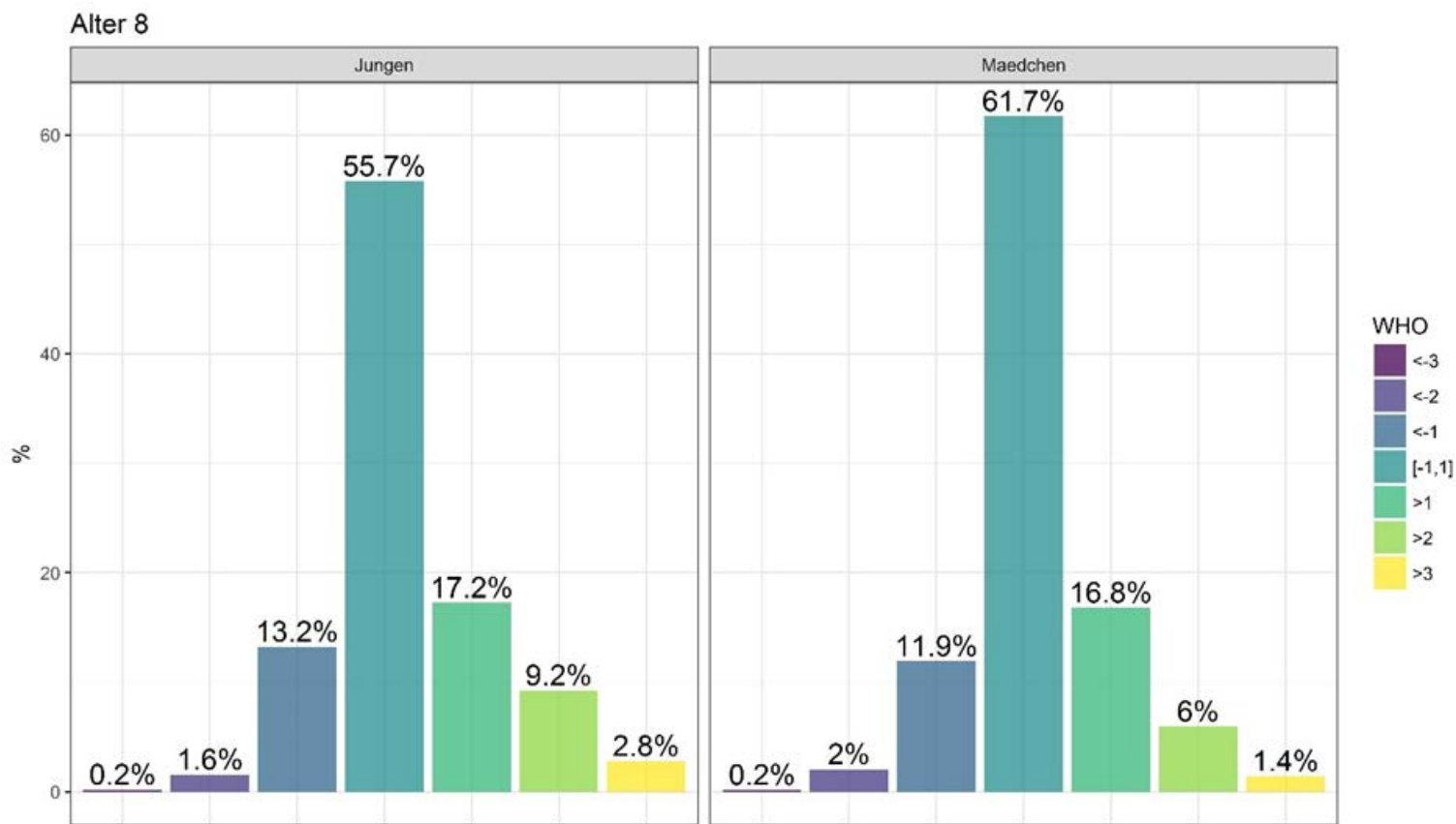
Karin Schindler, medical University
Vienna, on behalf of EASO

Obesity

B

Geographical distribution of the prevalence of overweight (including obesity) and obesity in children aged 6 – 9 years (sexes combined) of COSI Round 2 (2009/2010), based on WHO definitions

WHO Childhood Obesity Surveillance Initiative: Austria

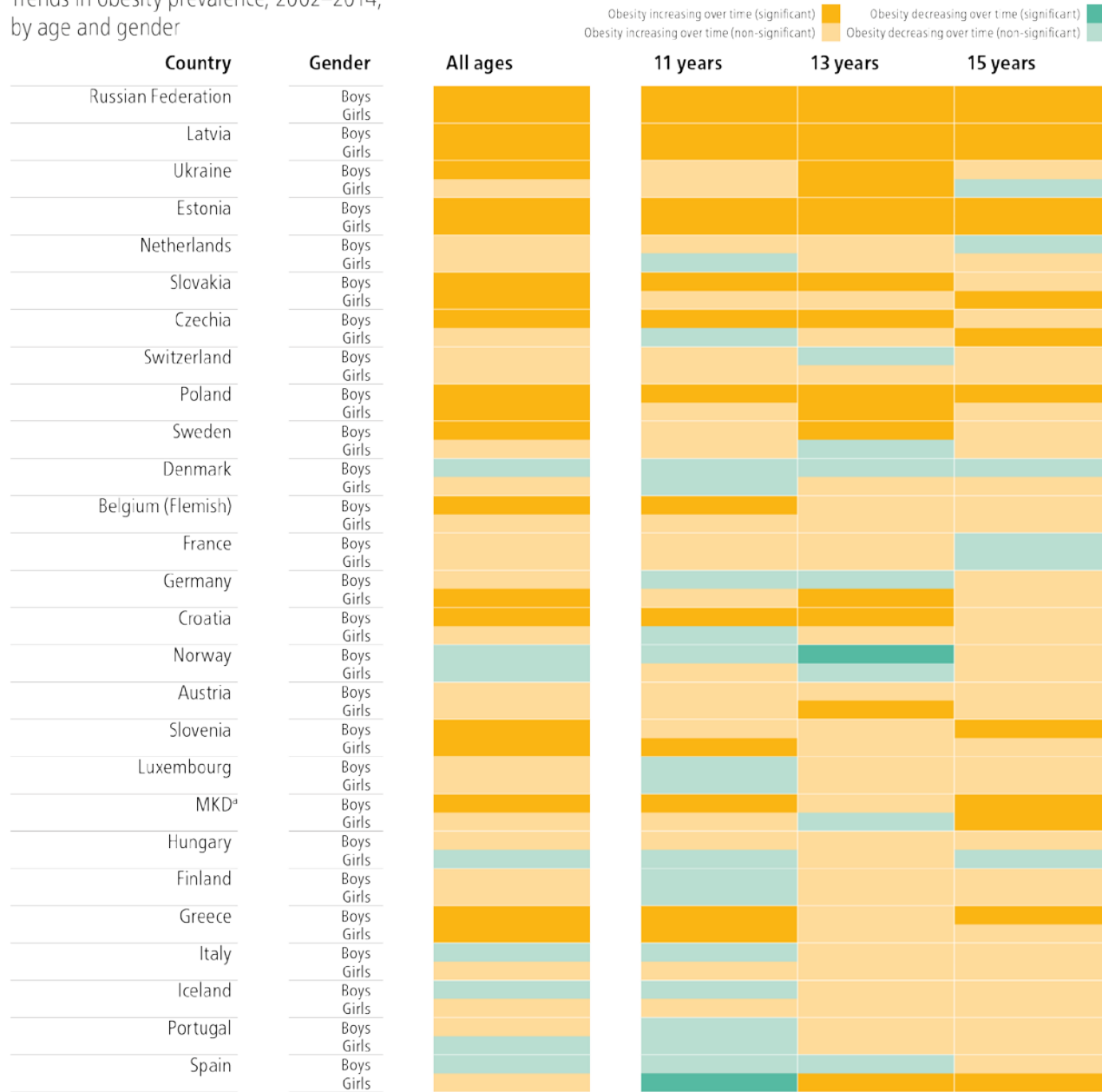


BMI (WHO) 8 years old, (Boys N = 574, Girls N = 638)

Trends in obesity prevalence, 2002–2014, by age and gender (HBSC)

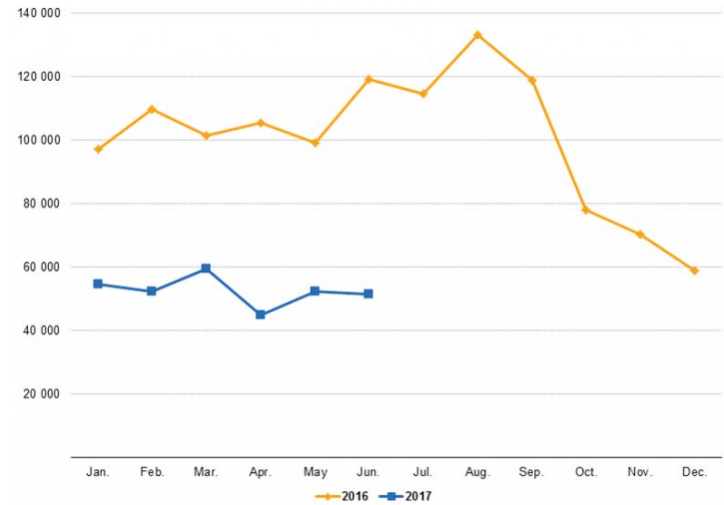
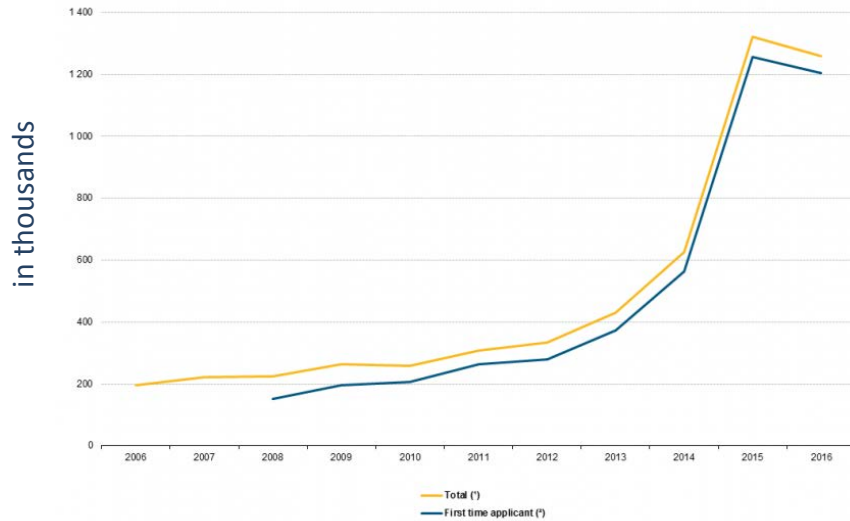
Fig. 2.1.

Trends in obesity prevalence, 2002–2014, by age and gender



* The former Yugoslav Republic of Macedonia (MKD) is an abbreviation of the International Organization for Standardization. Note: direction and significance of trend is based on relative risk (2014 versus 2002) and 95% confidence interval. Countries are ordered by decreasing prevalence of obesity in 2002. Estimates are based on modelled data and include all countries with three or more data points. Data excluded as missing values >30% for: Belgium (French), Ireland, Israel, Lithuania, Malta, Romania, United Kingdom (England), United Kingdom (Scotland) and United Kingdom (Wales). No trend data were available for Albania, Armenia, Bulgaria, Republic of Moldova and Turkey.

Asylum applicants in Europe



Source: Eurostat

(*) 2006 and 2007: EU-27 and extra-EU-27.

(†) 2006 and 2007: not available.

Source: Eurostat (online data codes: migr_asyctz and migr_asyappctza)

- Dietary behavior
- Food and food environment literacy
- Health and health system literacy
- Economy
- Education
- ...

Points of discussion

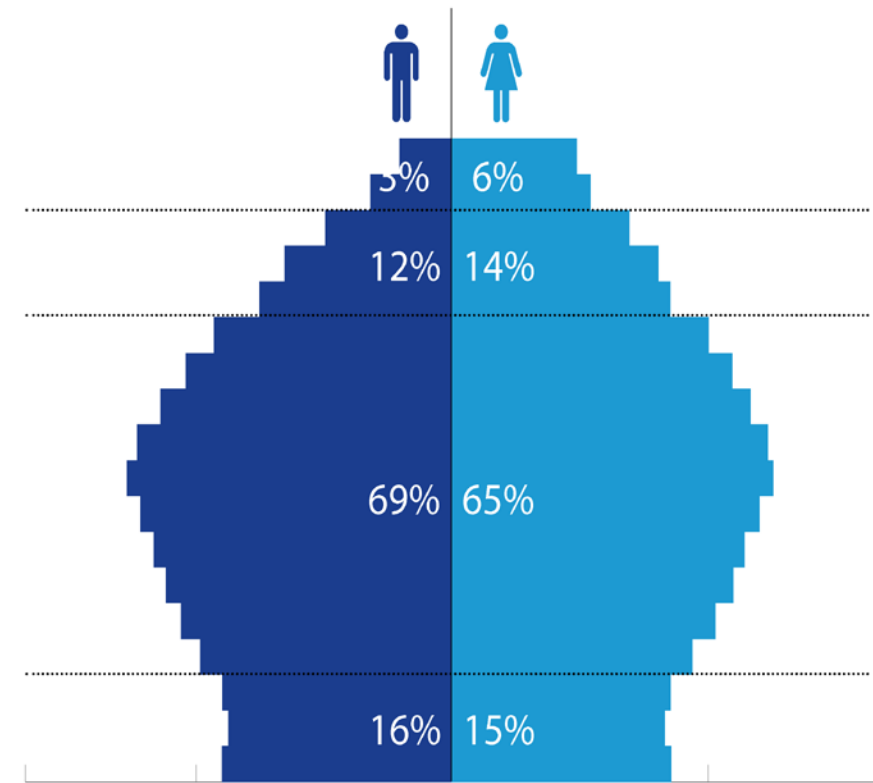
- Data collection
 - Intersectoral cooperation
 - Voluntary participation of children
 - 2498 Austrian parents did not give consent (48,7%) for participation in COSI
- How to reach kids at high risk?
- Health promotion: How to reach migrants and asylum applicants ?
- Avoid Stigmatisation
- Avoid making thin kids thinner

Europeans are living longer

EU27 population by age and sex

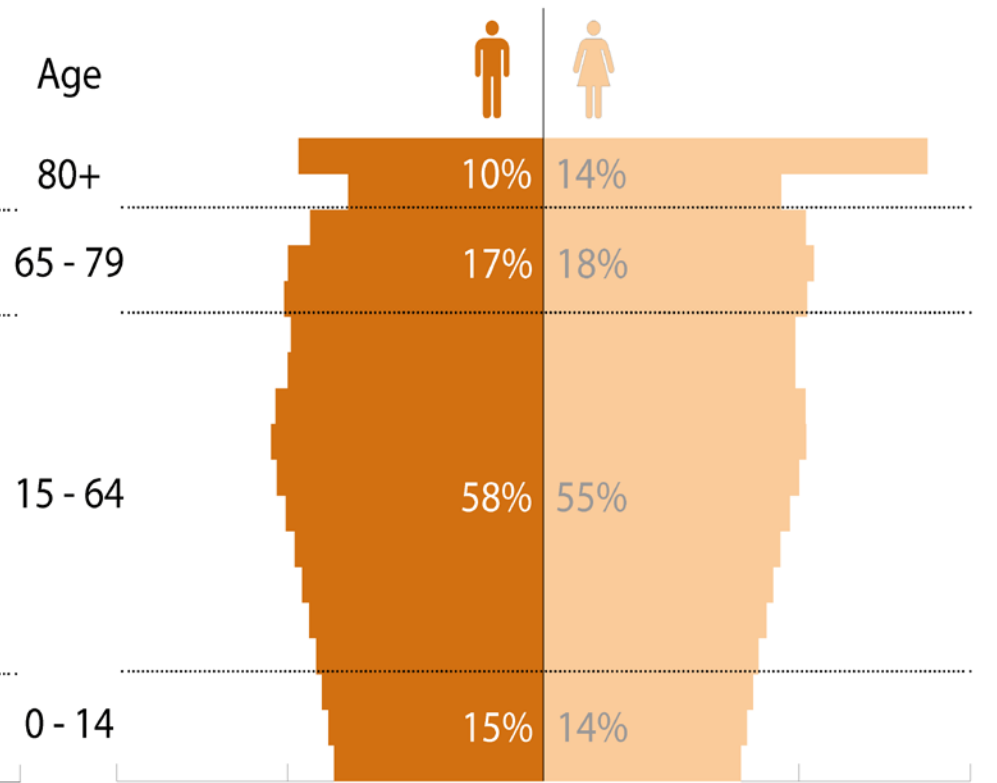
Total: 500 million

2010



2060

Total: 517 million



25

15

Millions of persons

15

25

25

15

Millions of persons

15

25

Sarcopenia (Sarcopenic obesity) and Frailty

	2016	2045
Sarcopenia	10 869,527	18,735,173 in (+72.4%)
65-100y	11,1%	12,9%

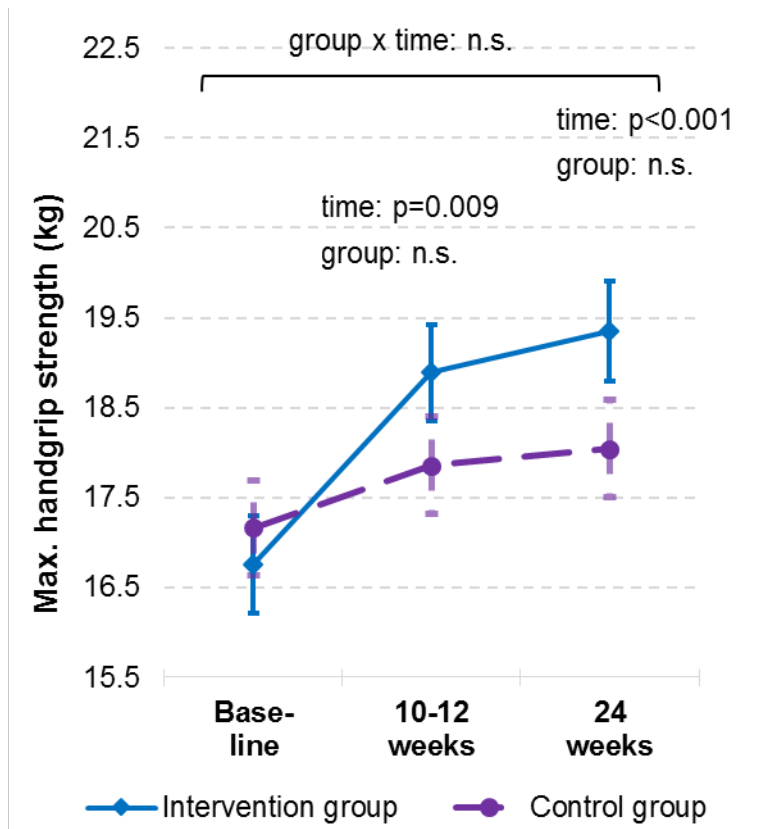
Ethgen et al. Calcif Tissue 2017

Age ≥50	N (unweighted)	Robust	Pre frail	Frail	Severely limited
All (women)	28218	58.44	16.47	5.45	19.63
All (Men)	22133	74.13	7.42	2.15	16.30

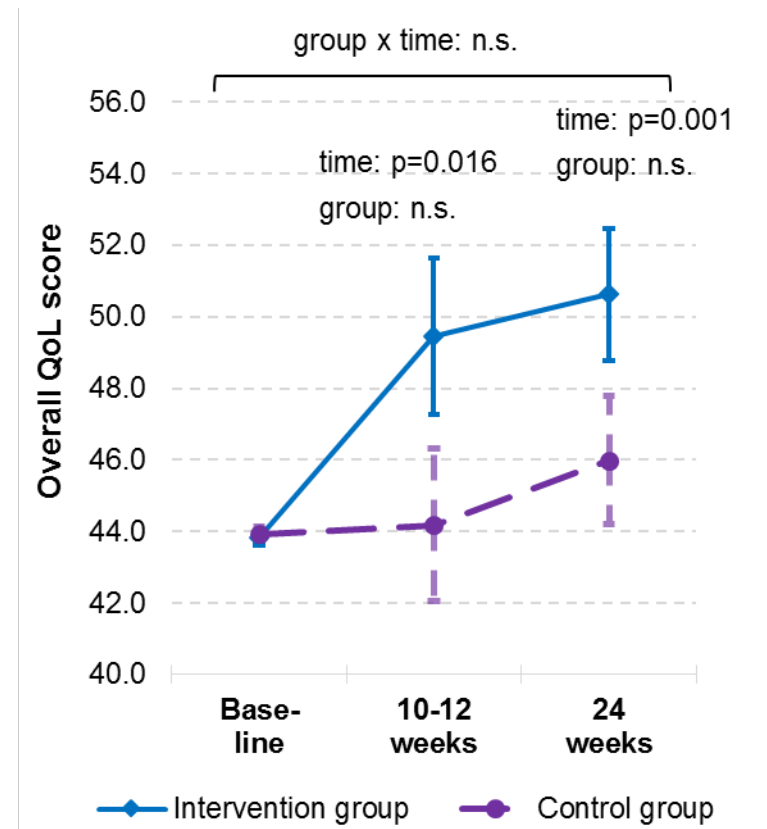
Romero Ortuno et al. Age Aging 2014

Intervention (physical activity and nutrition) at home by trained lay persons

Handgrip



Quality of Life

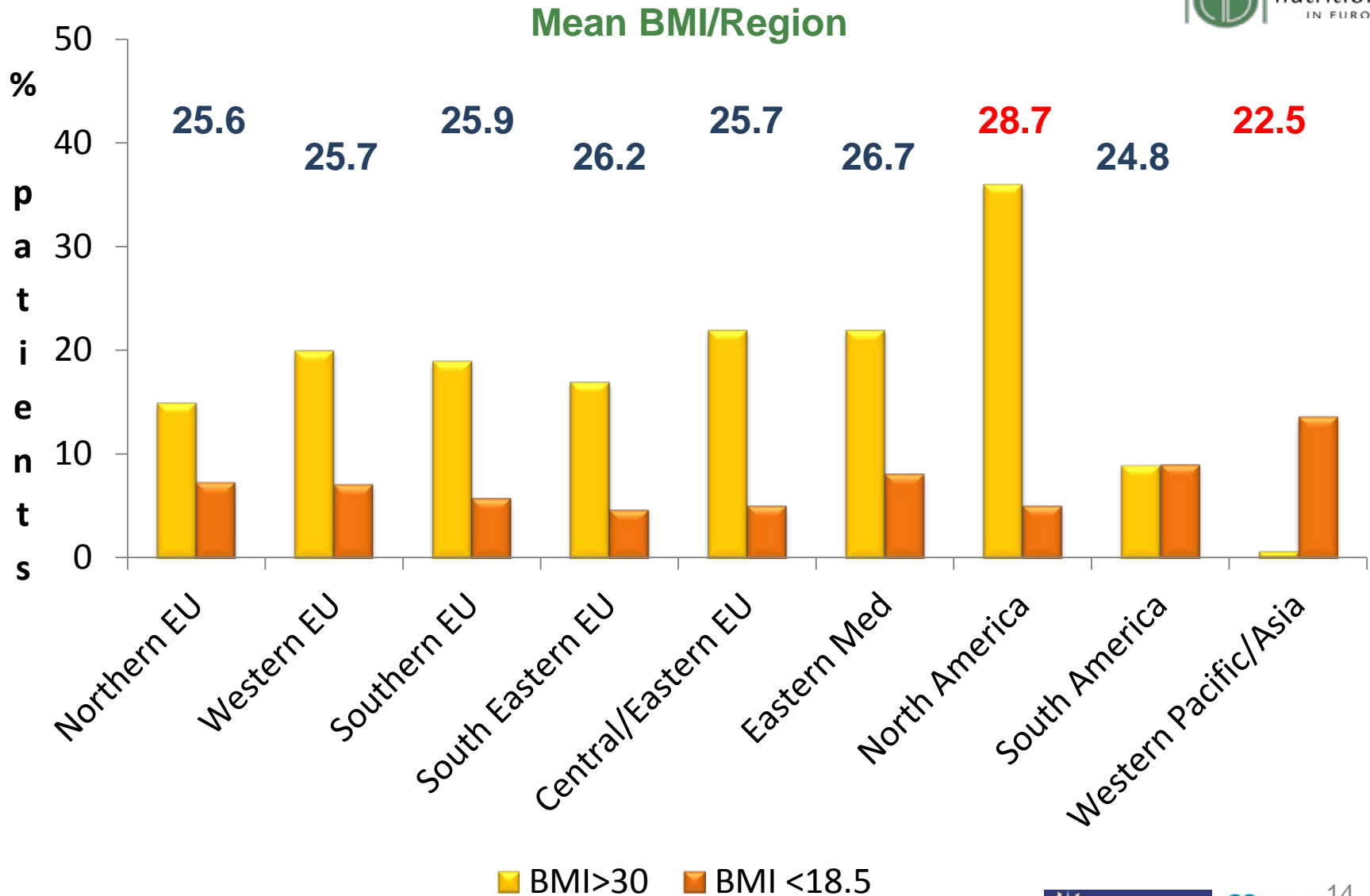


Adjusted for baseline value, sex and hospitalization

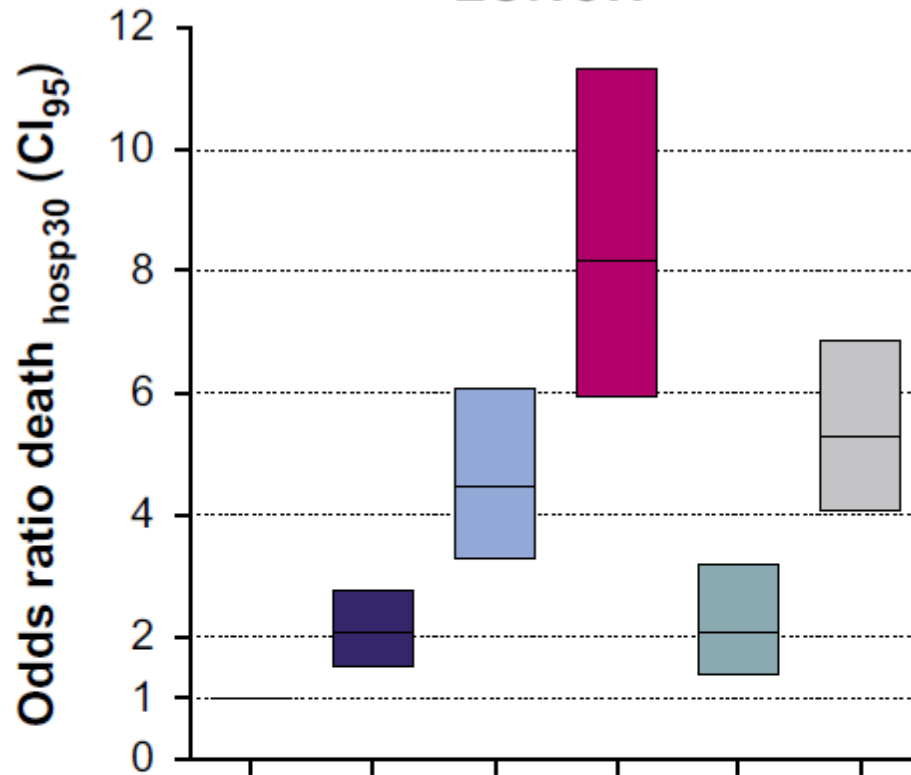
Luger et al. JAMDA 2016

Disease related malnutrition

Body Mass Index of patients



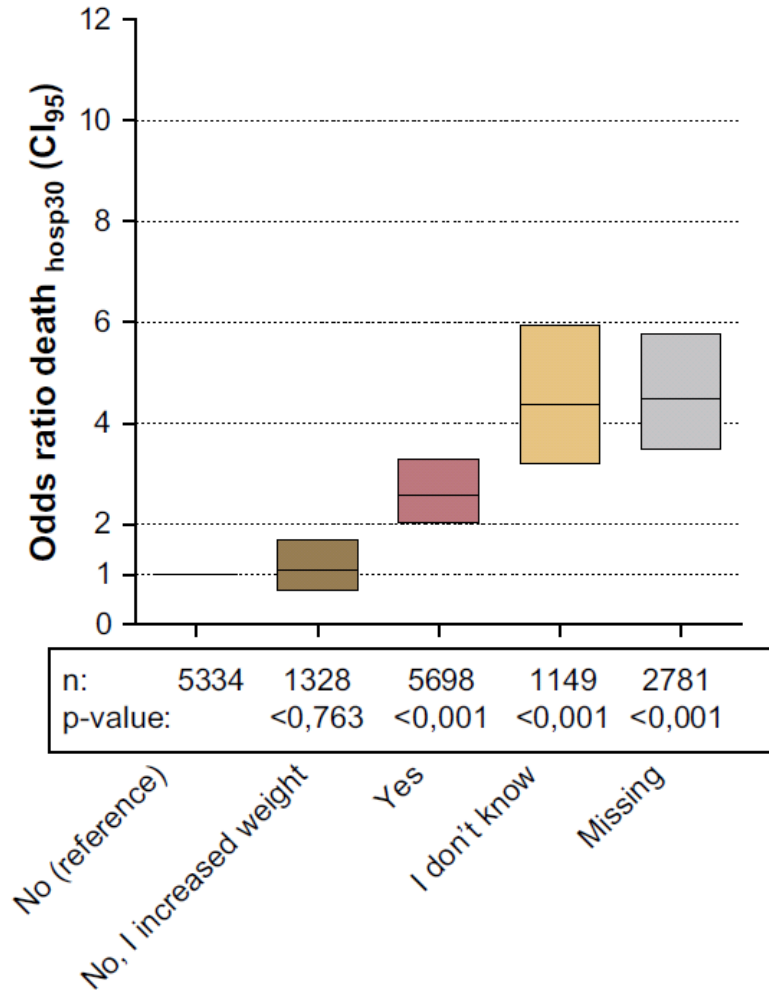
LUNCH



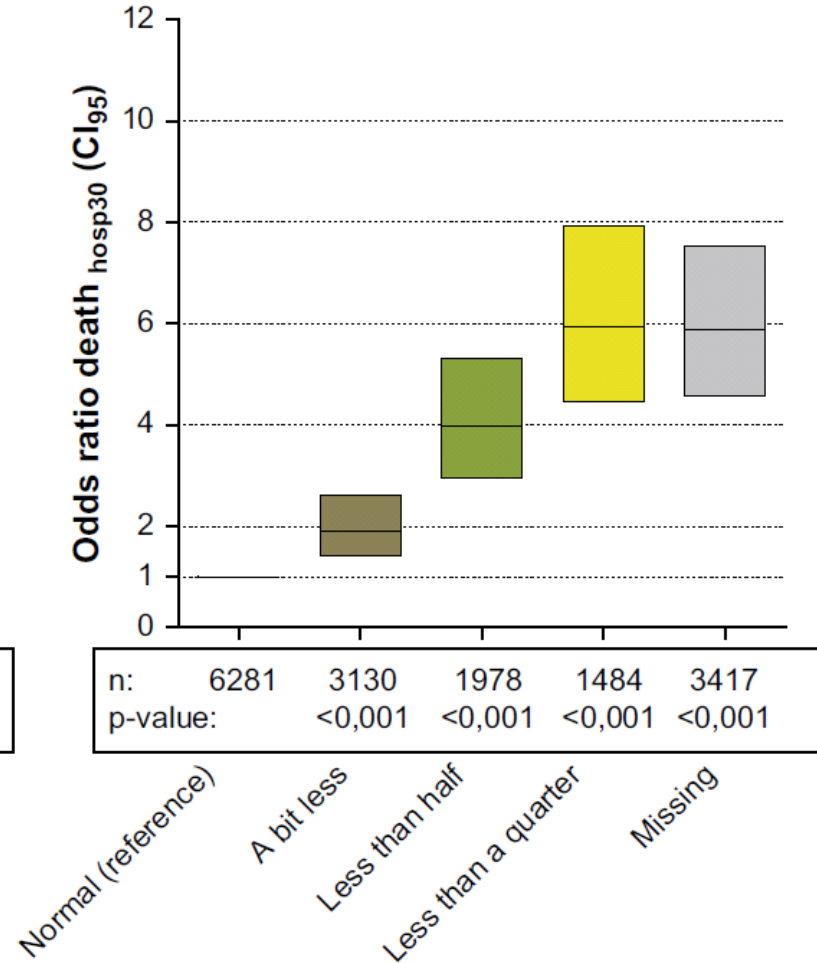
n:	5509	3673	1596	778	1124	3610
p-values:	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

All (reference) 50% 25% Nothing (allowed) Nothing (not allowed) Missing

Have you lost weight unintentionally within the last three months?



How well have you eaten during the last week?



Points of discussion

- Knowledge and awareness
 - Public
 - People affected
 - Care personell
- Definition of malnutrition of aged and/or diseased persons
 - BMI Cut-off's
 - ...
- Definition of sarcopenia and frailty
- Efficient interventions

The logo for the European Association for the Study of Obesity (EASO). It features the acronym 'EASO' in a bold, sans-serif font. The 'E', 'A', and 'S' are black, while the 'O' is blue. A thin blue horizontal line is positioned below the 'A' and 'S'.

European Association for the Study of Obesity

Thank You