

DALLE PAROLE AI FATTI

INDICATORI E PROGRAMMI PER
I SERVIZI DI SALUTE MENTALE

Risorse per la Salute Mentale: Spesa o Investimento?

Professor Francesco Amaddeo

Sezione di Psichiatria

Dipartimento di Neuroscienze, Biomedicina e Movimento
Università di Verona

e-mail : francesco.amaddeo@univr.it



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University of Verona (Italy)

Global burden di malattia

**Costi della Salute
Mentale e dei
Servizi Sociali**

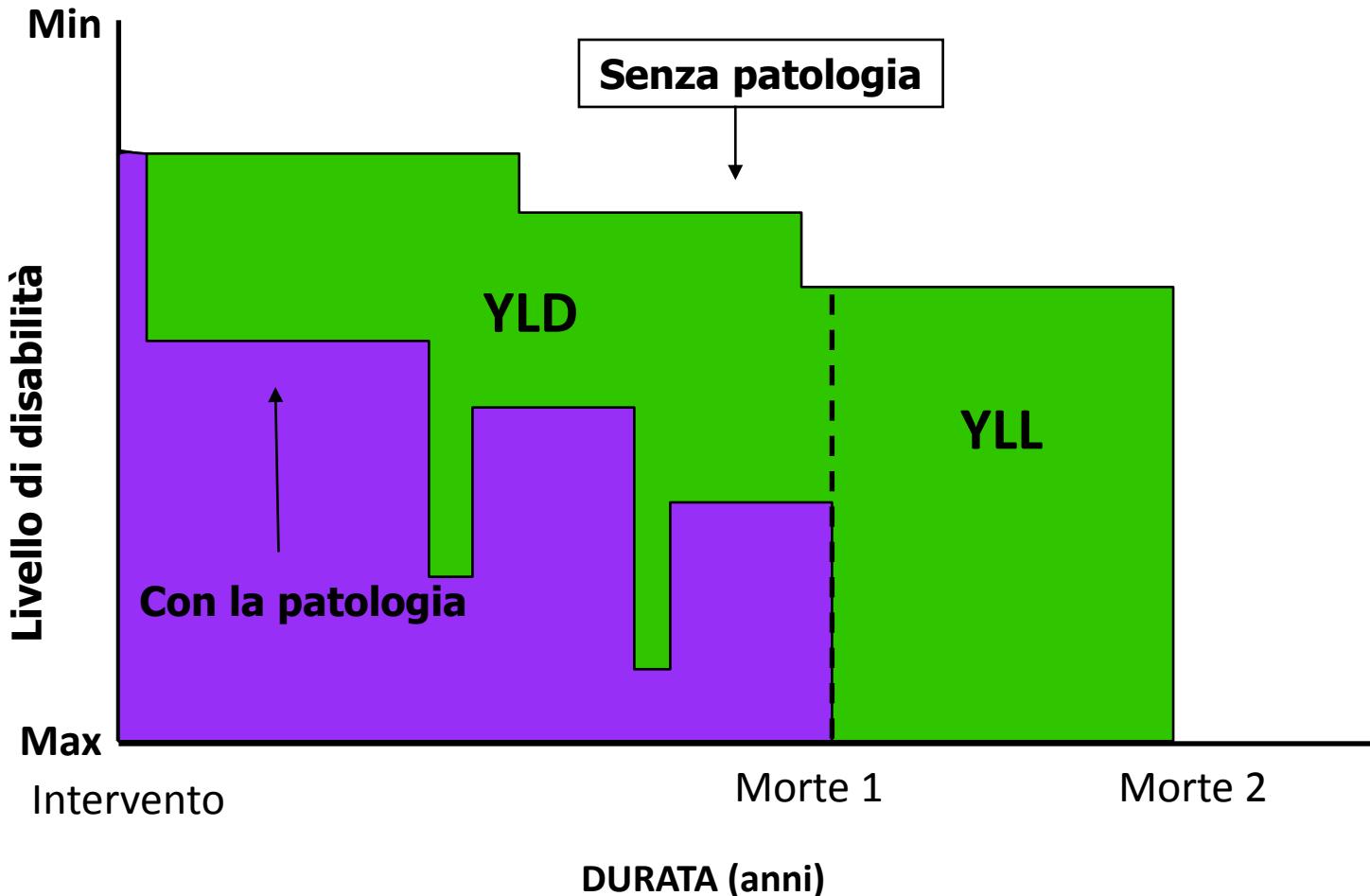


Funding & Budgeting



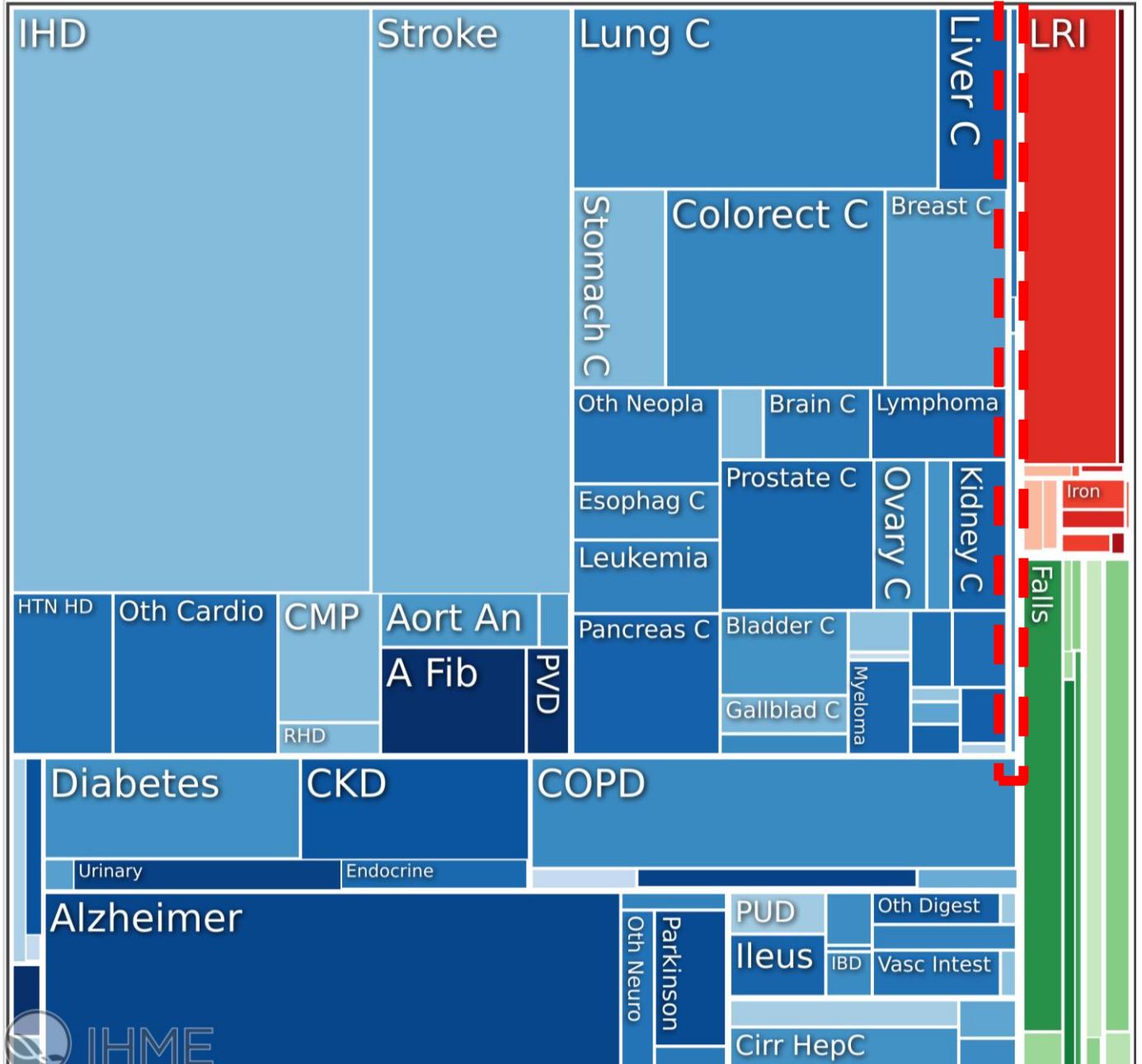
DALY = YLD+YLL

Anni di vita aggiustati per la disabilità prodotta dalla patologia

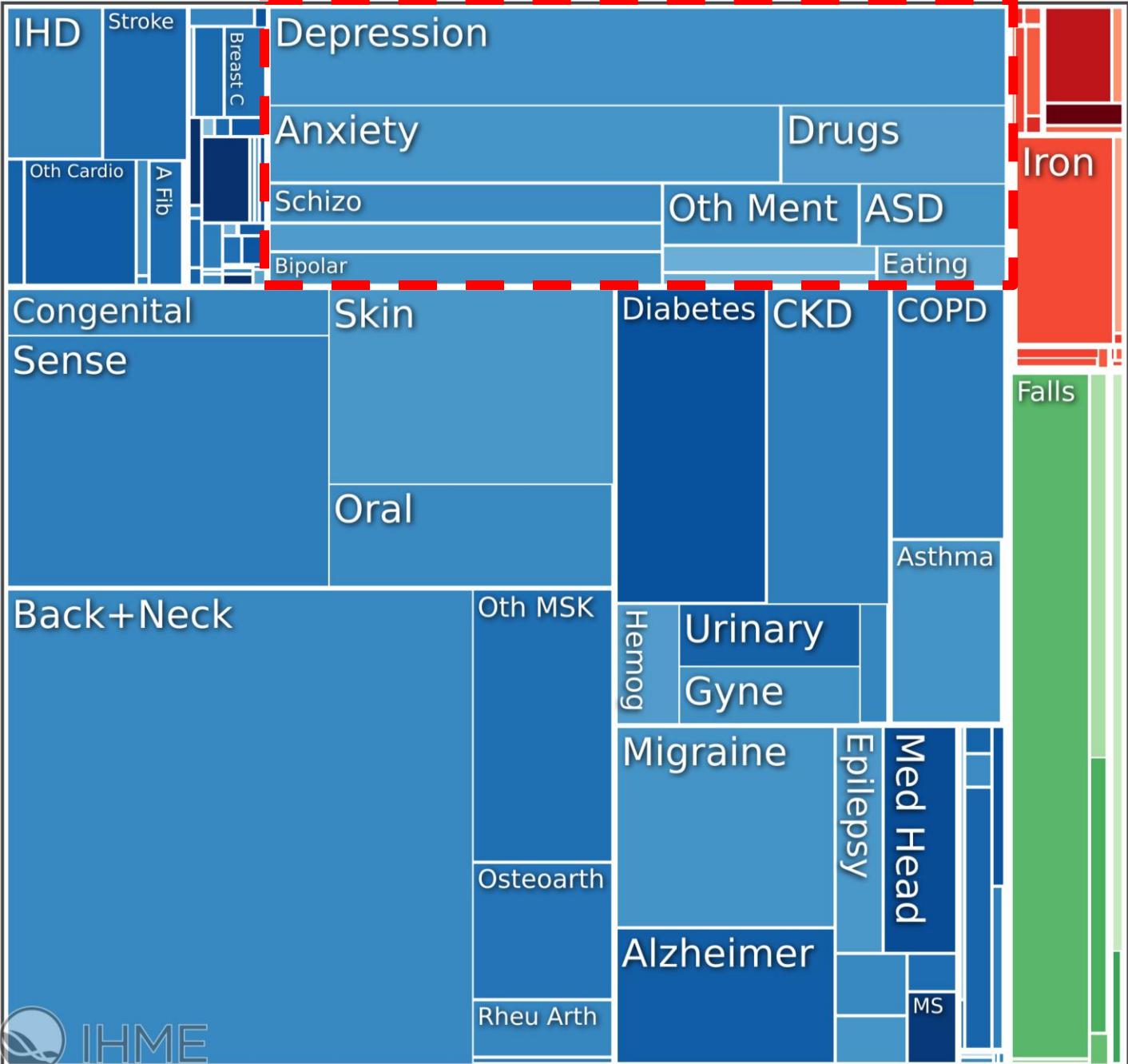


Global Burden of Diseases, Mortalità per patologia in Europa, YLL 2013

Institute for Health
Metrics and Evaluation



Global Burden of Diseases, Disabilità per patologia in Europa, YDL 2013



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Global Burden of Diseases, DALYs 2013

Mondo
Europa
Italia

Mal di schiena 10.6%

Ischemia Cardiaca 7.1%

Alzheimer 4.9%

Malattie sensoriali 4.5%

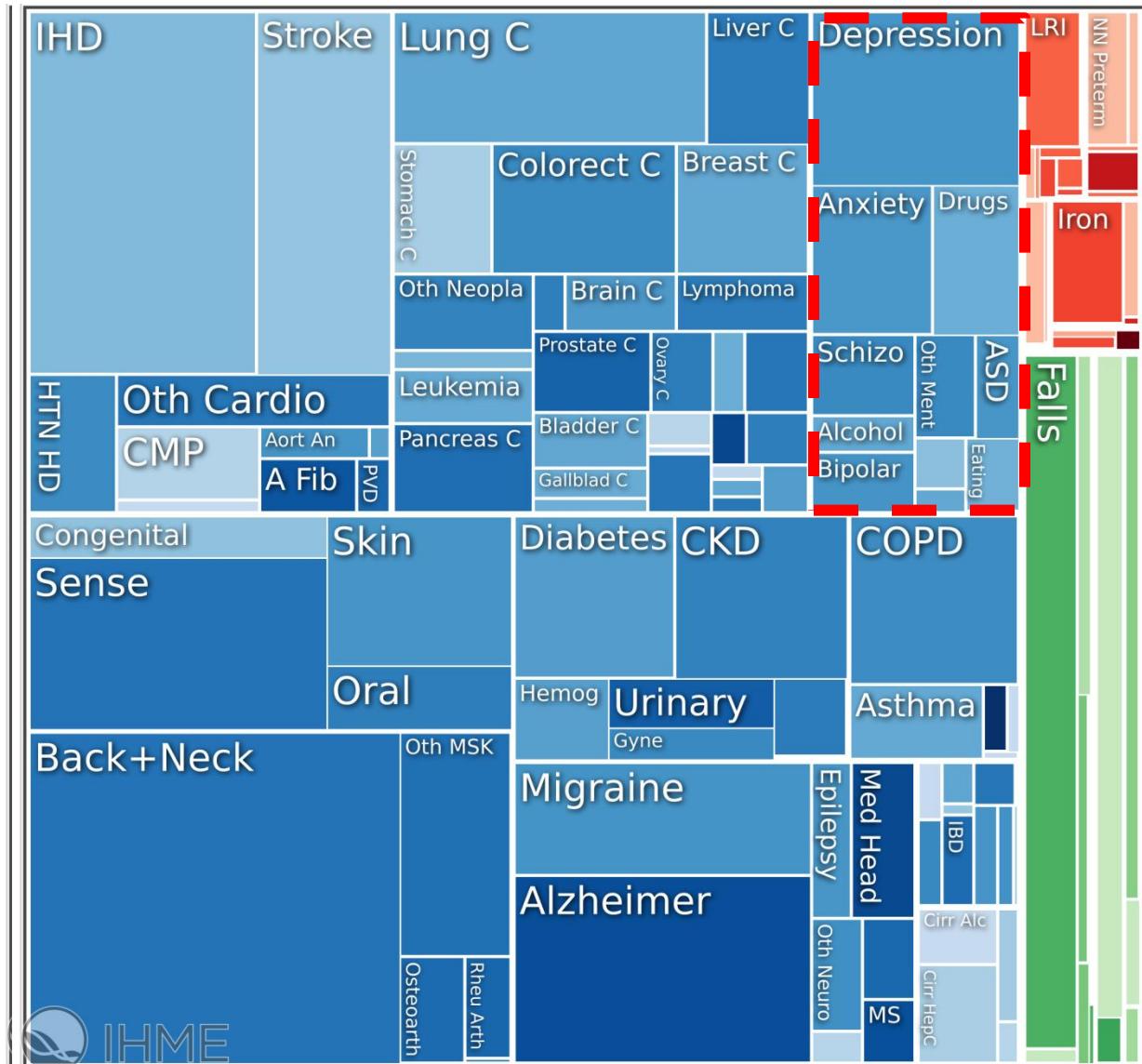
Tumori polmone 3.6%

Depressione 3.1%

Emicrania 2.9%

Ansia 1.6%

Abuso di sostanze 1.1%



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Mortality and cause of death among psychiatric patients: a 20-year case-register study in an area with a community-based system of care

L. Grigoletti^{1*}, G. Perini¹, A. Rossi¹, A. Biggeri², C. Barbui¹, M. Tansella¹ and F. Amaddeo¹

¹ Department of Medicine and Public Health, Section of Psychiatry and Clinical Psychology, University of Verona, Italy

² Department of Statistics, University of Florence, Italy

Mortality in the general population

	Person-Years	O	E	SMR	IC 95%
All patients	100762	1518	891.93	1.70*	(1.61-1.79)
Inpatients	19892	547	220.06	2.48*	(2.28-2.70)
Outpatients	80464	1111	672.06	1.65*	(1.55-1.75)
Maschi	45051	794	422.85	1.87*	(1.75-2.01)
Femmine	55711	724	469.09	1.54*	(1.43-1.66)



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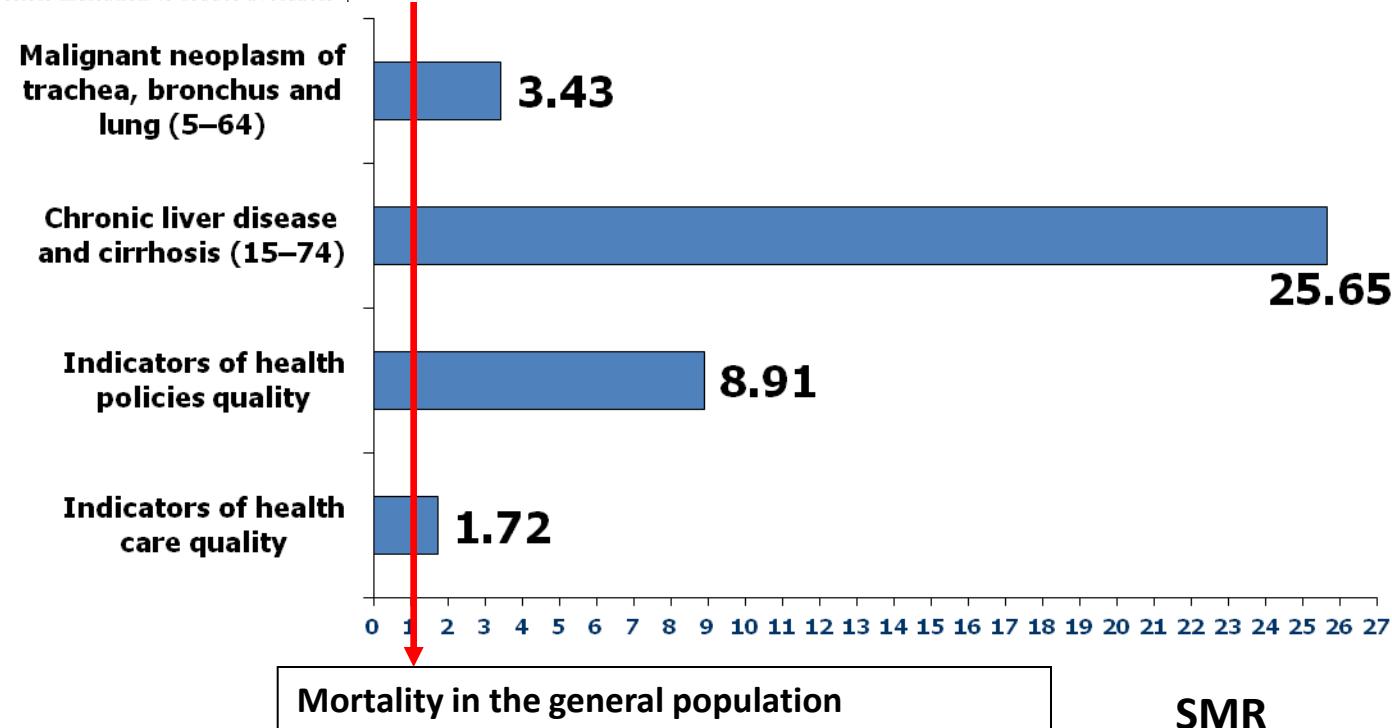
Avoidable mortality of psychiatric patients in an area with a community-based system of mental health care

Amaddeo F, Barbui C, Perini G, Biggeri A, Tansella M. Avoidable mortality of psychiatric patients in an area with a community-based system of mental health care.

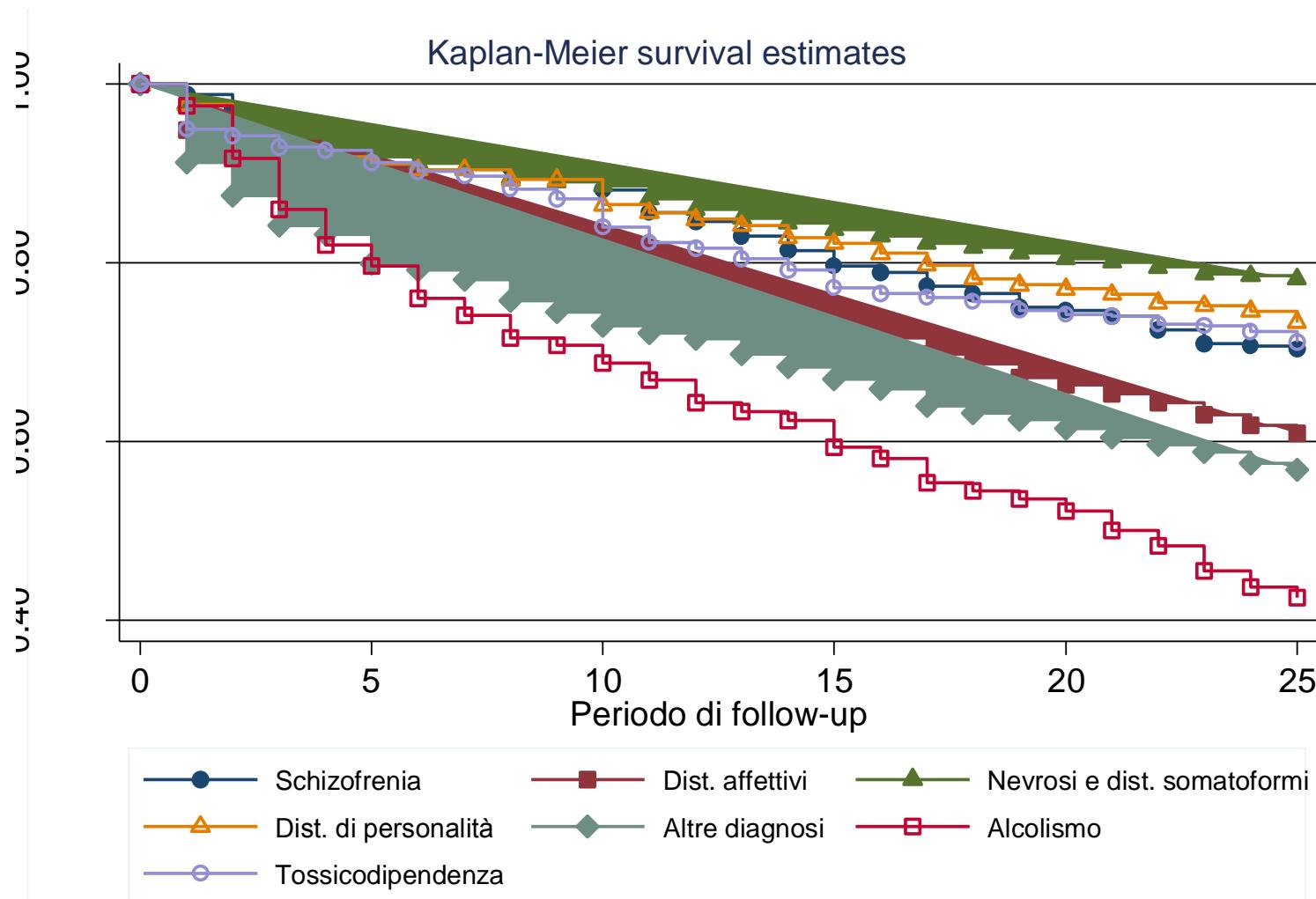
Objective: To ascertain the existence of an excess of avoidable mortality among psychiatric patients in an area with a *community-based* system of care, to identify predictors of higher risk of avoidable mortality and to provide some possible indication to reduce avoidable

F. Amaddeo¹, C. Barbui¹,
G. Perini¹, A. Biggeri²,
M. Tansella¹

¹Department of Medicine and Public Health, Section of Psychiatry and Clinical Psychology, University of Verona, Verona, Italy, and ²Department of Statistics, University of Florence, Florence, Italy

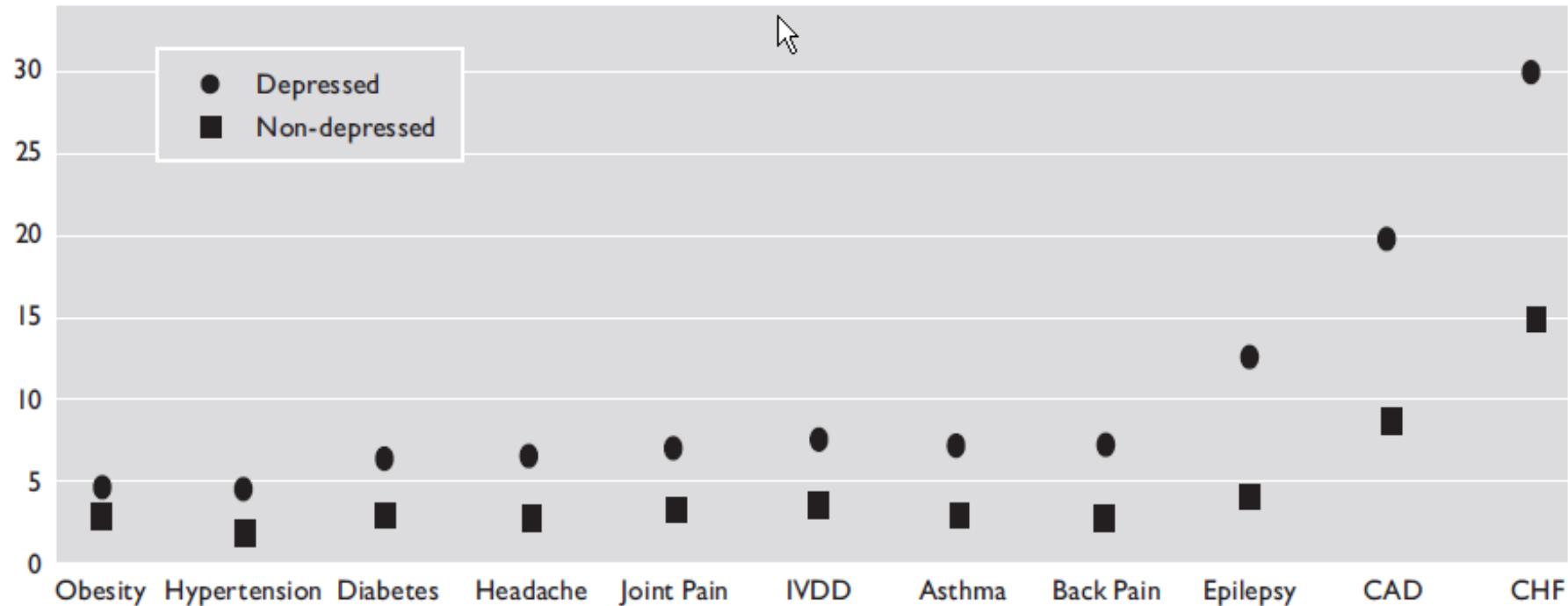


Kaplan-Meier survival curves



Effetto della depressione sui costi di patologie organiche

Median Annual Cost per Patient



Costs of antidepressant prescriptions and mental health treatment are excluded. CHF: congestive heart failure; CAD: coronary artery disease; VDD: intervertebral disc disease.

Welch et al., 2009



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ORIGINAL PAPER

Global patterns of workplace productivity for people with depression: absenteeism and presenteeism costs across eight diverse countries

S. Evans-Lacko^{1,2} · M. Knapp¹

**Costi assenteismo:
Da 181 \$ della Corea del Sud a 2.674 \$ del Giappone**

**Costi presenteismo:
Da 547 \$ della Cina a 5.788 del Brasile**

loss in productivity; however, there is very little research on the costs of depression outside of Western high-income

countries, both in absolute monetary terms and in relation to proportion of country GDP. Overall, depression is an



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Budgeting

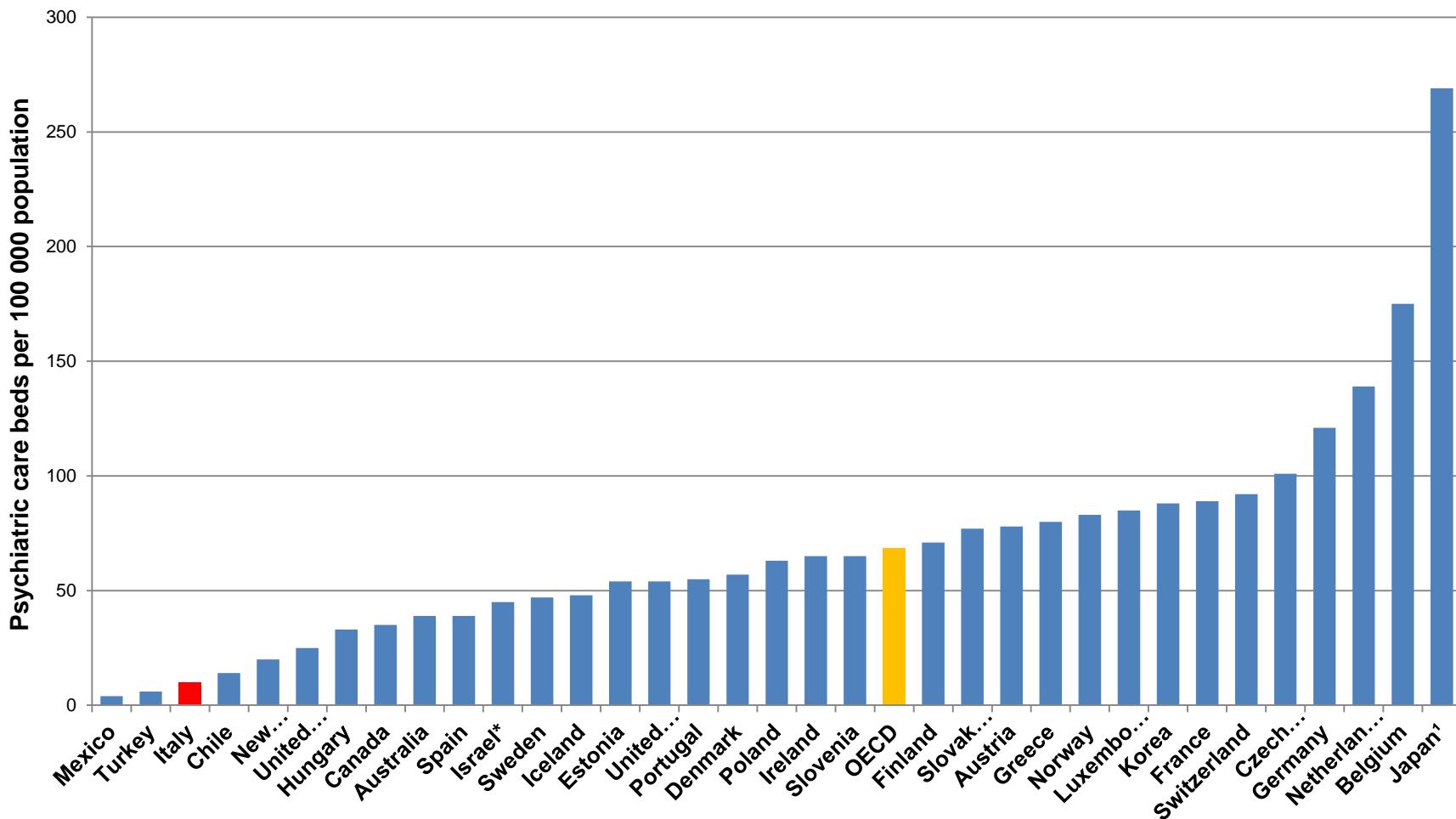
- **Come le risorse sono allocate a diversi tipi di servizi**

Funding

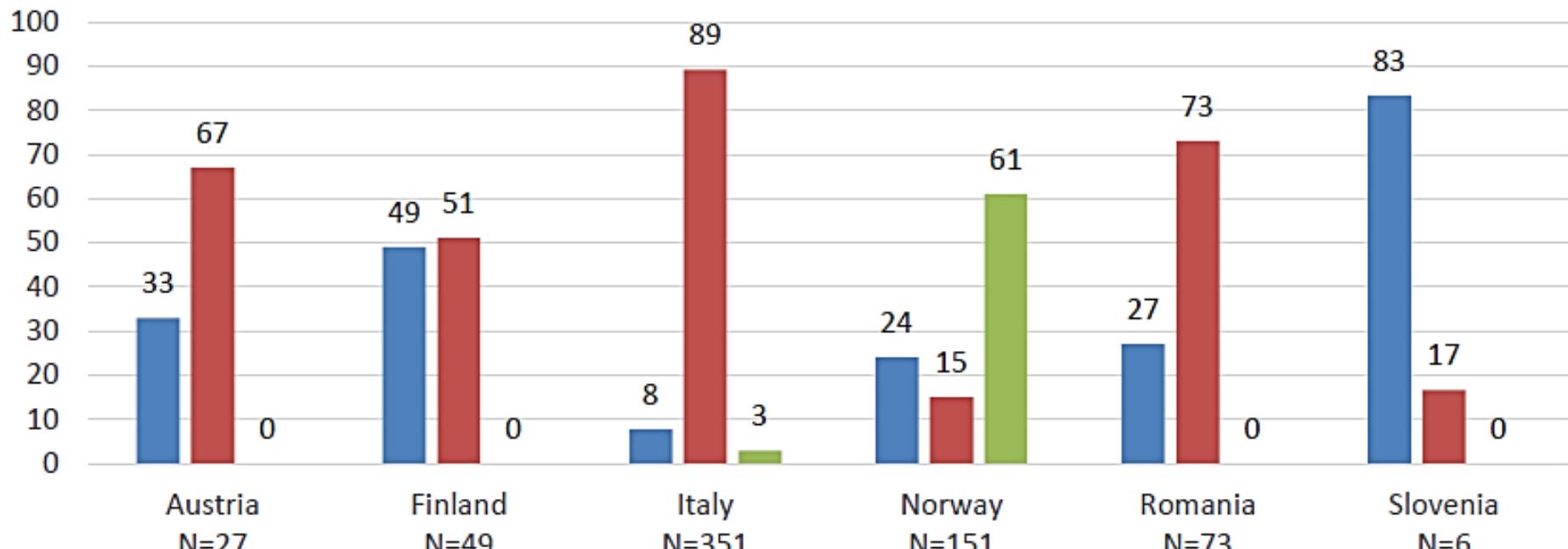
- **Come le risorse sono raccolte e come fluiscono dal finanziatore al fornitore**



Letti psichiatrici per 100 000 ab., 2011 (Dati OECD)



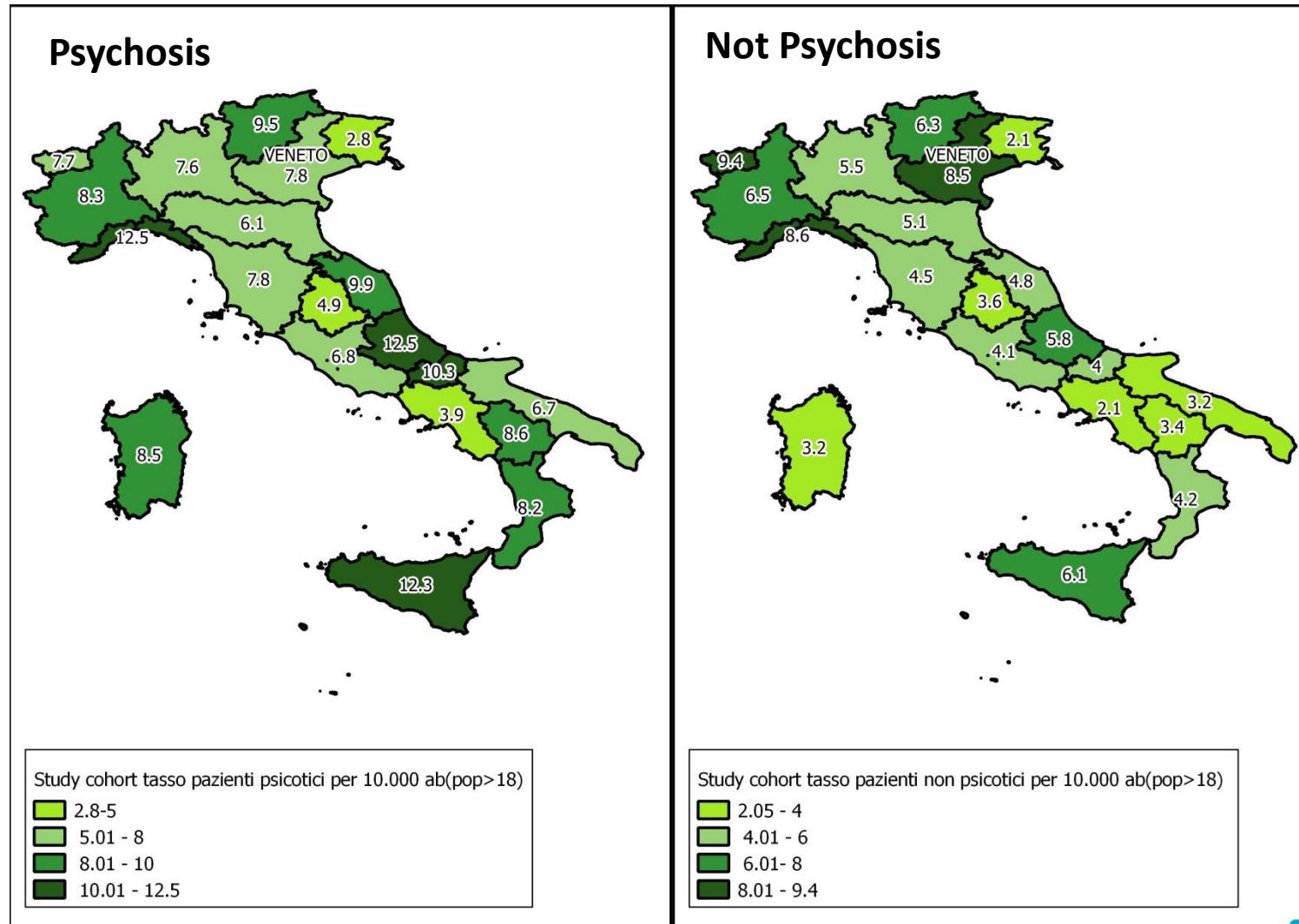
Percentuale dei 3 tipi principali di assistenza psichiatrica inpatient nei 6 paesi CEPHOS-LINK



- Stand alone psychiatric hospital and psychiatric departments not on the grounds of a general hospital
- Psychiatric department on the grounds of a general hospital
- Psychiatric centre / community mental health centre

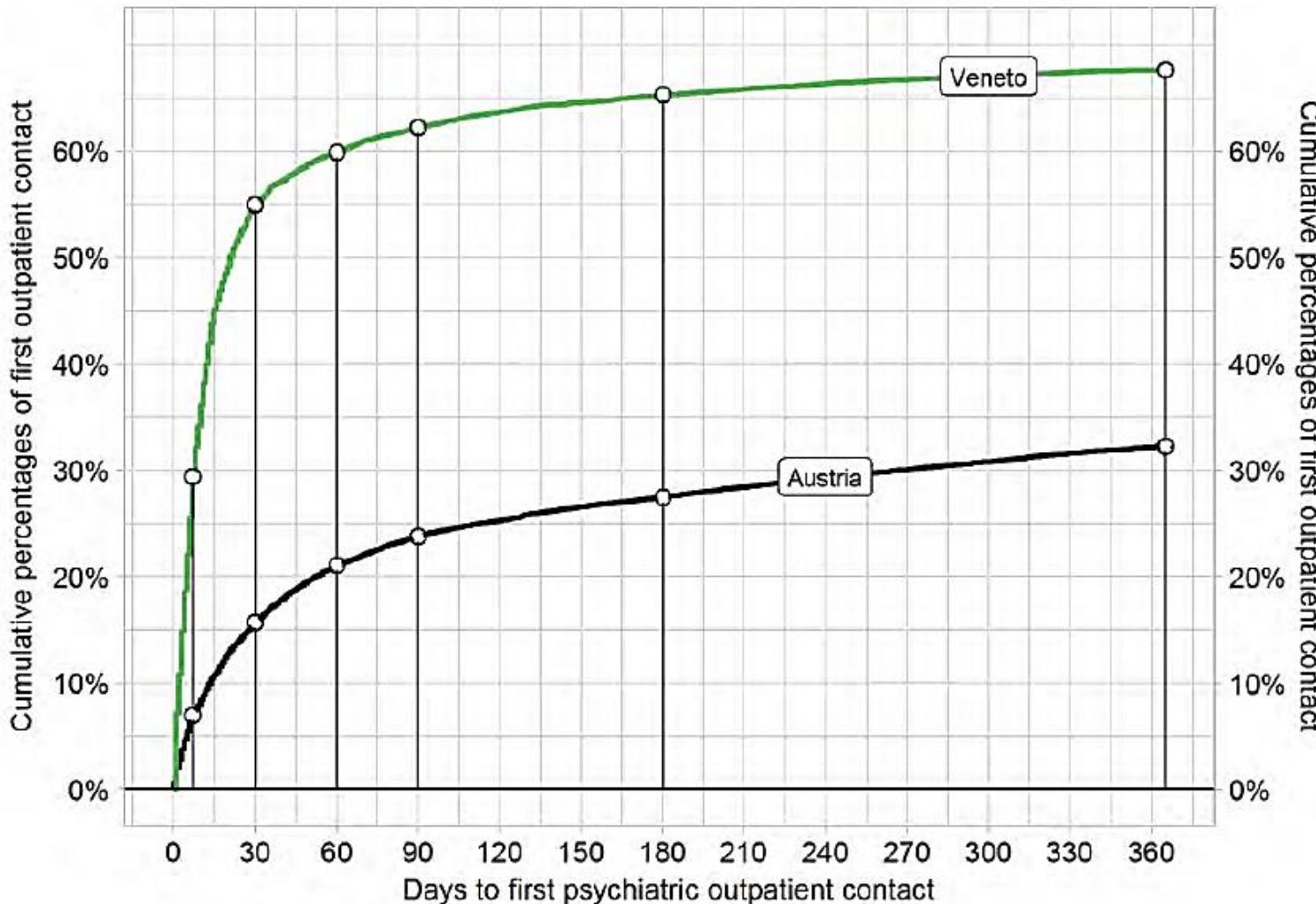


CEPHOS-LINK – Pazienti ricoverati in un anno 2012-2013 (tassi per 10,000) - Italia

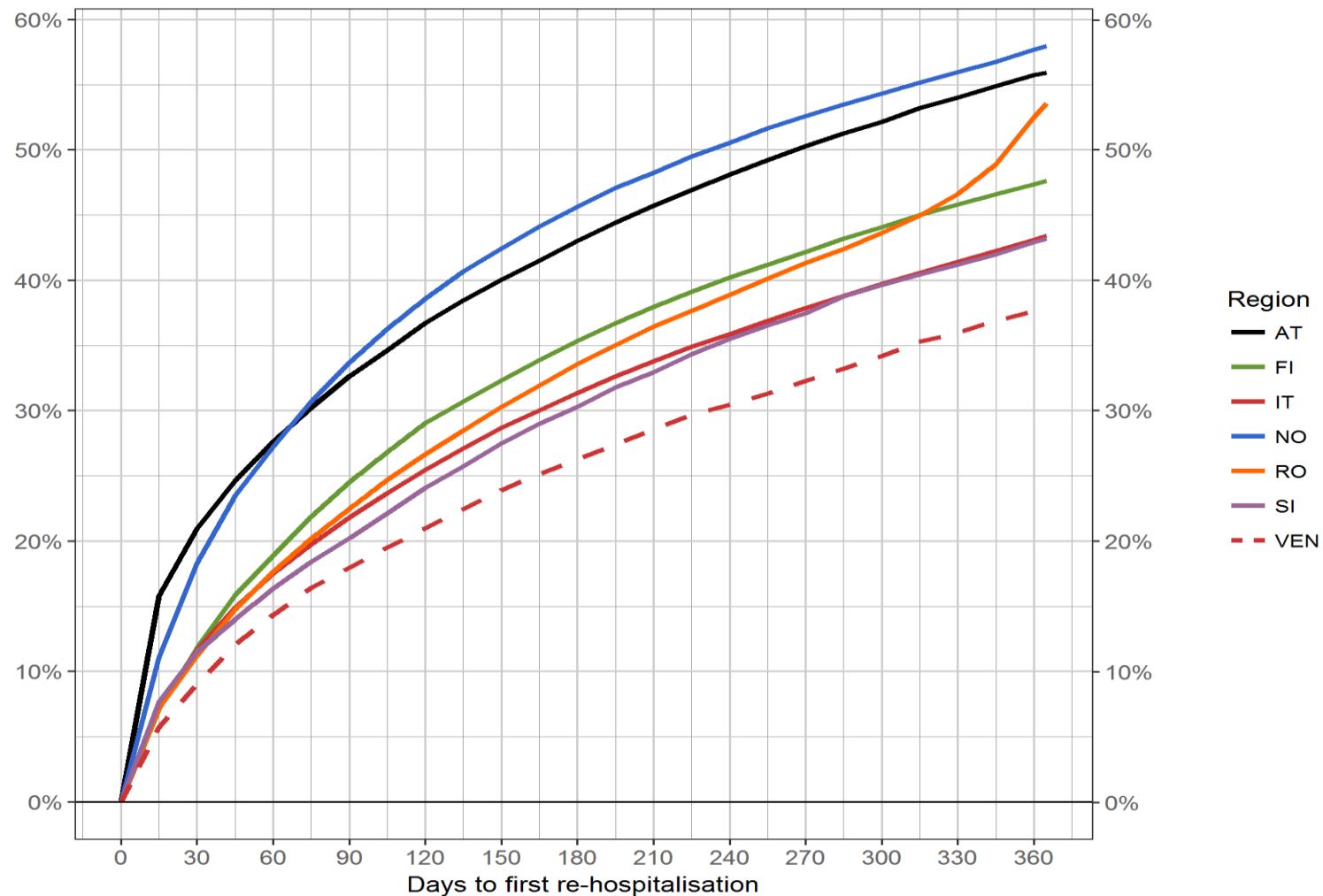


CEPHOS-LINK – Continuity index

Tempo del primo contatto dopo la dimissione



CEPHOS-LINK - Readmission rate



Fattori che influenzano la continuità della cura

- **Tempi per raggiungere i servizi specialistici (distanza)**
- **Liste d'attesa per visite ambulatoriali**
- **Applicazione di strategie per mantenere il contatto con gli utenti**
- **Esistenza di servizi territoriali**
- **Collaborazione e comunicazione tra diversi servizi**
- **Avere un “piano di trattamento dopo il ricovero” formalizzato**
- **Dimissioni contro il parere del medico**
- **Tariffe/ticket elevati per le visite ambulatoriali**
- **Sistema di finanziamento che favorisce la continuità (Italia e Spagna vs. Austria e Norvegia)**



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- acute services (8)
- 0-10 minutes
- 10-20
- 20-30
- 30+
study area

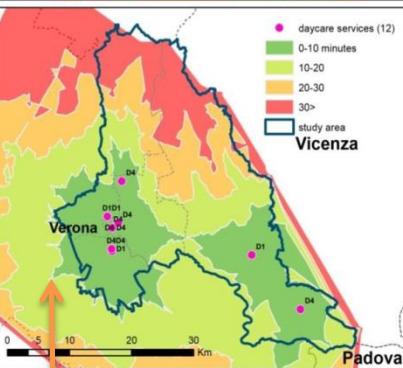
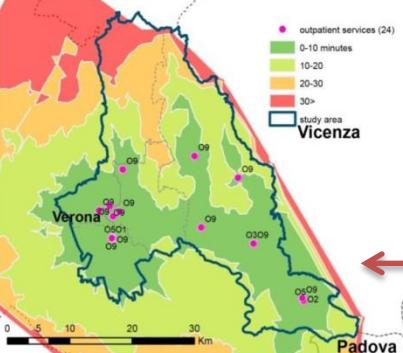
Vicenza

Padova

0 3,5 7 14 21 Km

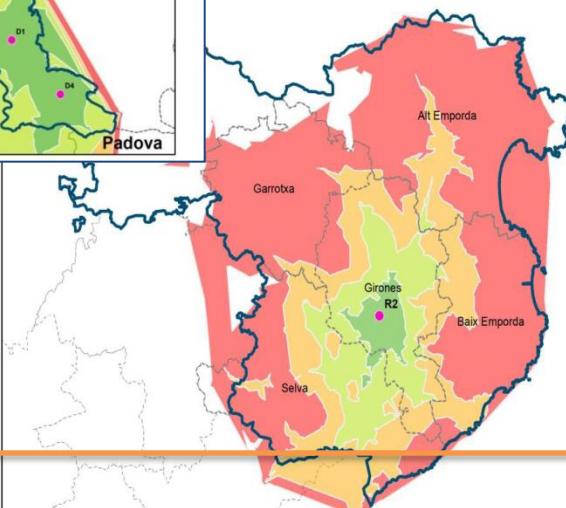
Assistenza ospedaliera

Day care



ACCESSIBILITA'

Assistenza territoriale



GIRONA

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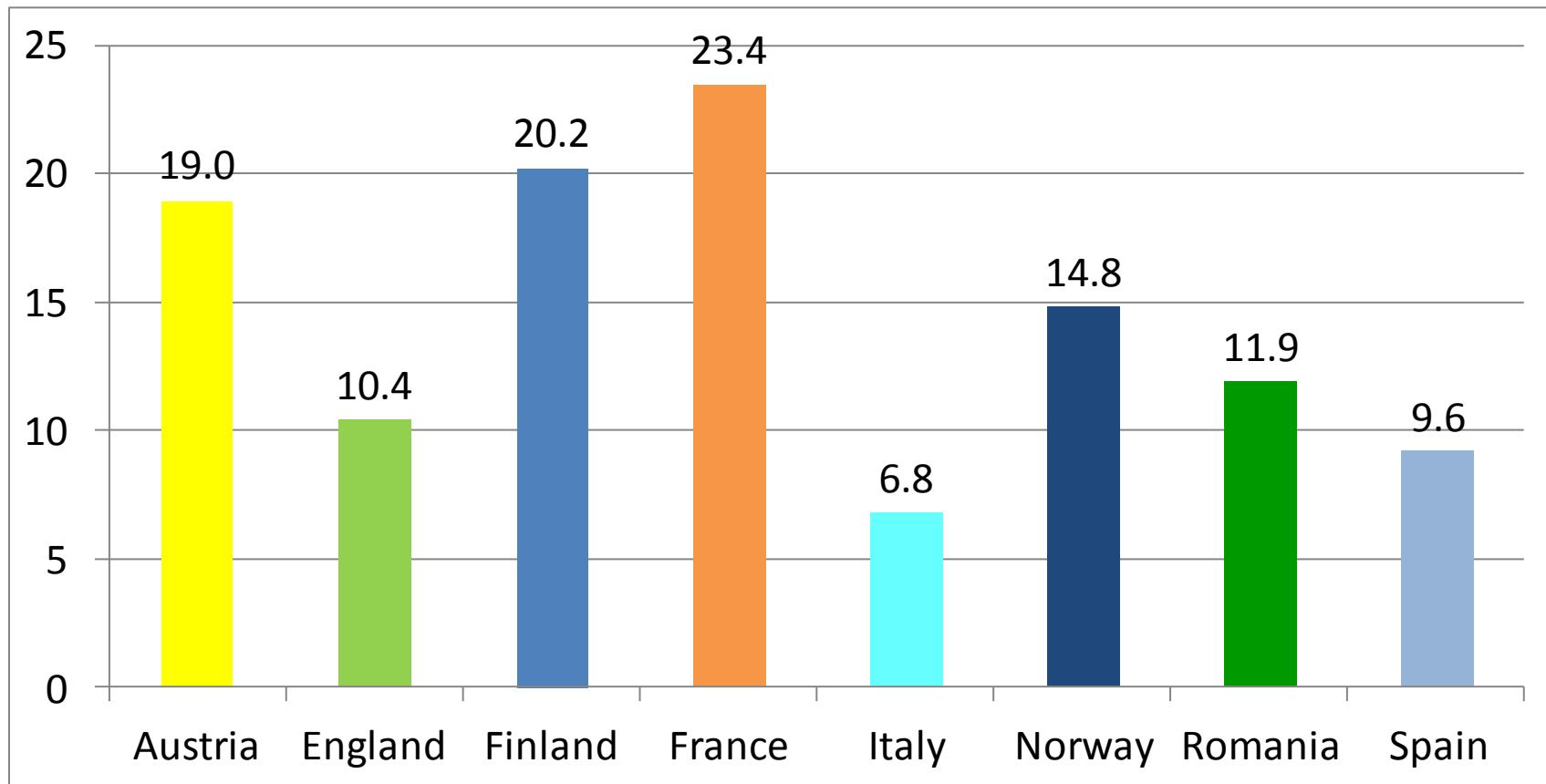


DNm

Dipartimento di Neuroscienze e Psichiatria

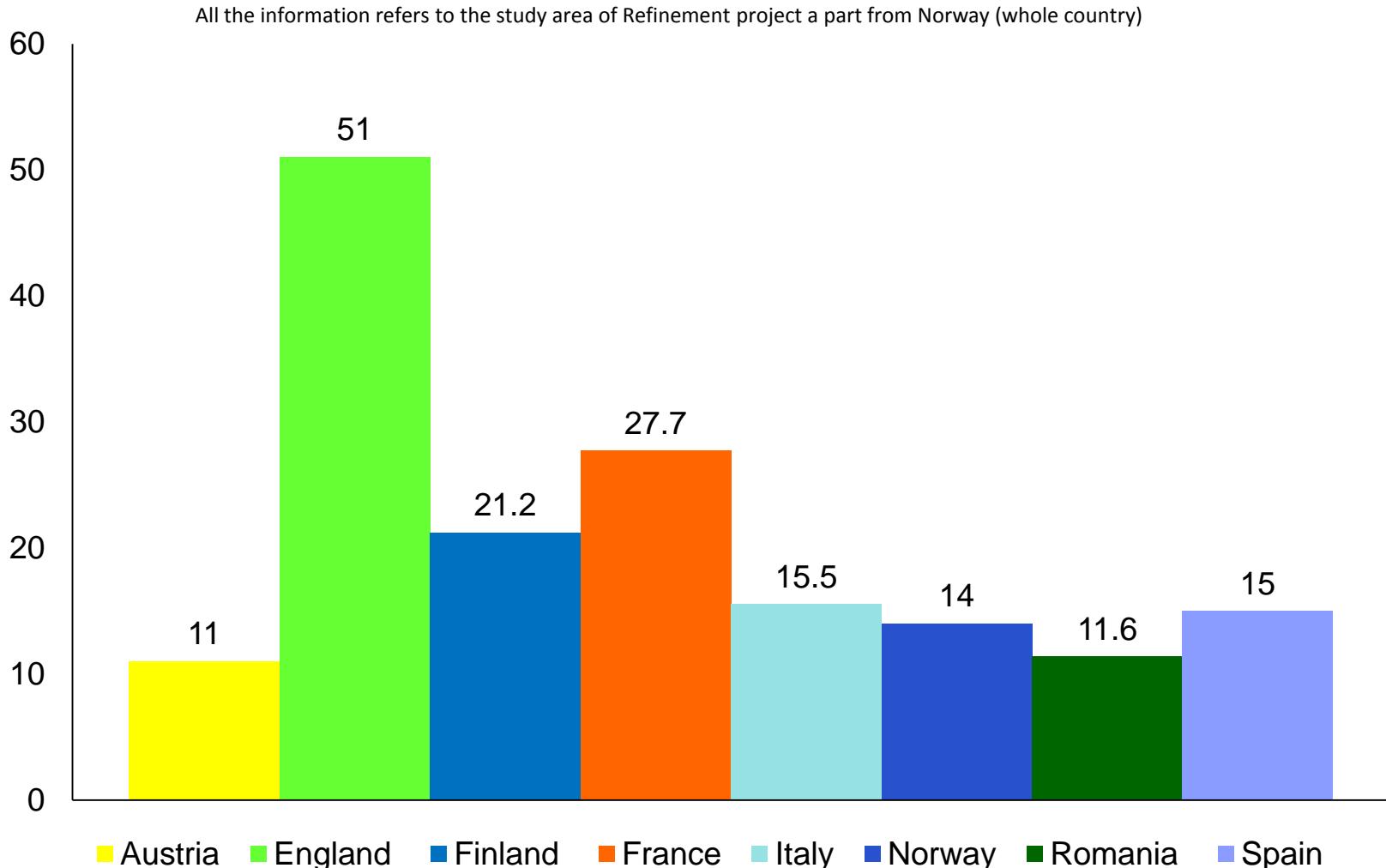
Suicide rates

ICD-10 codes X60-X84 rate per 100,000 inhabitants (> 15 years old)



Lunghezza della degenza

Average length of stay (days)

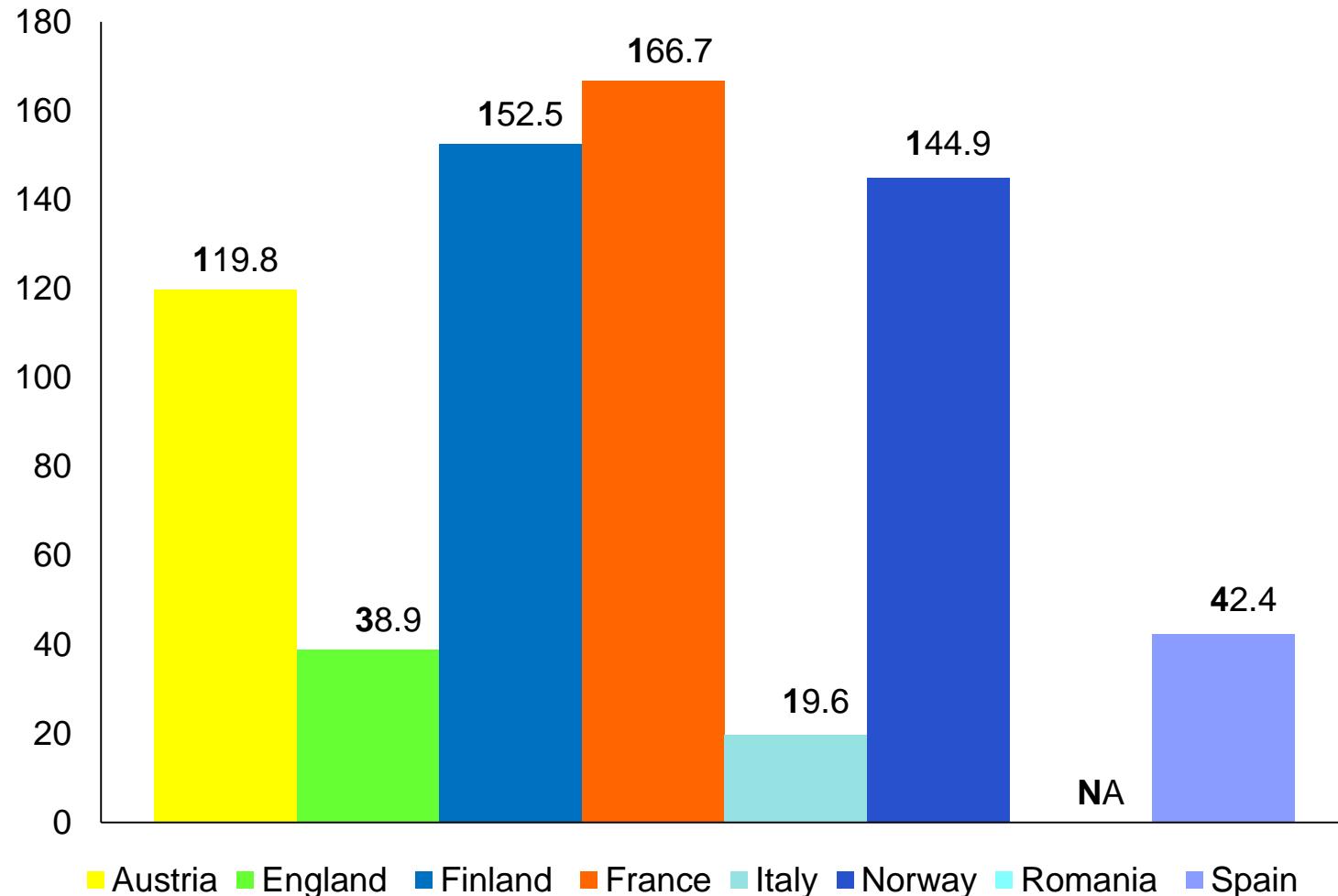


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Ricoveri involontari

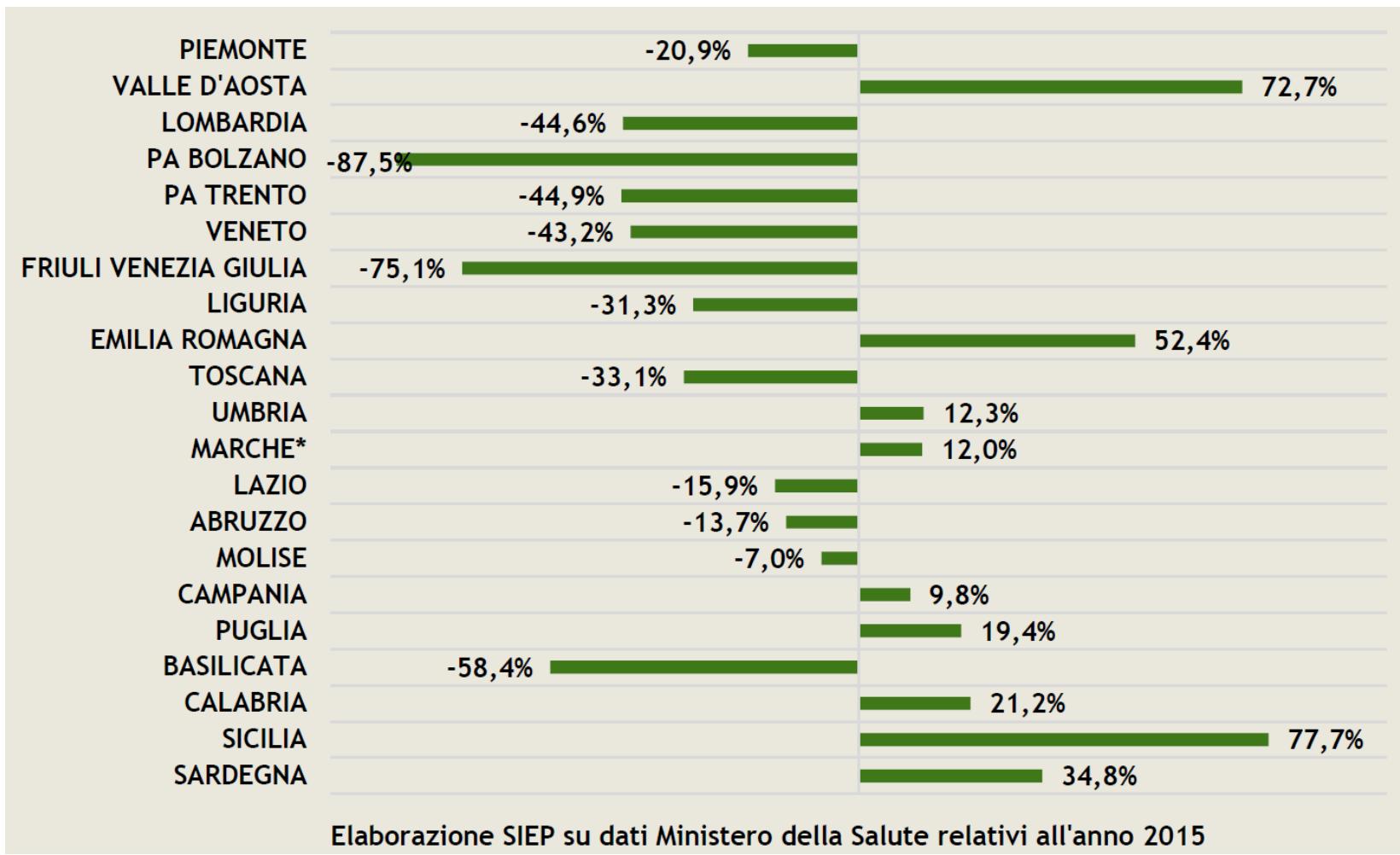
Ricoveri ospedalieri acuti con almeno un periodo di degenza involontaria per 100,000 adulti



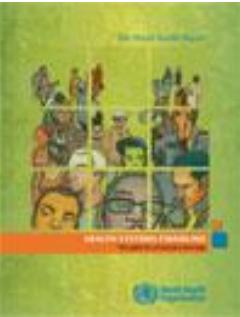
Trattamento Sanitario Obbligatorio

Variazione % sui tassi regionali

Valore di riferimento nazionale: 17,3 / 100.000 residenti



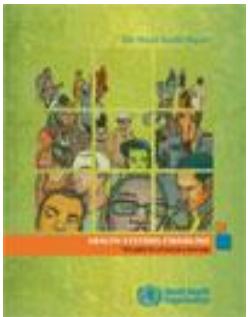
Le dieci principali cause di inefficienza

 **Health systems financing: the path to universal coverage**
World Health Report 2010

- 1. Farmaci: ridotto uso di generici e prezzi più alti del necessario**
- 2. Farmaci: uso di prodotti sottostandard o contraffatti**
- 3. Farmaci: uso inappropriate o inefficace**
- 4. Prodotti e servizi sanitari: eccessivo uso di attrezzature, indagini diagnostiche e procedure**
- 5. Personale sanitario: staff mix inappropriate o costoso**
- 6. Servizi sanitari: ricoveri e lunghezze della degenza inappropriate**
- 7. Servizi sanitari: dimensioni degli ospedali inappropriate (infrastrutture sotto-utilizzate)**
- 8. Servizi sanitari: errori medici e bassa qualità delle cure**
- 9. Perdite nel Sistema Sanitario: sprechi, corruzione e frodi**
- 10. Interventi sanitari: inefficiente mix di trattamenti / inappropriate livello di strategie**



Le possibili soluzioni



**Health systems financing: the path to universal coverage
World Health Report 2010**

- 1. Eliminare le spese farmaceutiche non necessarie**
- 2. Migliorare i controlli di qualità dei farmaci**
- 3. Usare i farmaci in modo appropriato**
- 4. Ottenere il massimo da tecnologie e servizi**
- 5. Motivare il personale sanitario**
- 6. Migliorare l'efficienza degli ospedali: dimensione ospedali e lunghezza della degenza**
- 7. Fornire il trattamento corretto all'inizio del trattamento**
- 8. Eliminare sprechi e corruzione**
- 9. Valutare criticamente quali servizi sono necessari**



Potenziali guadagni da una valutazione critica degli interventi

Health systems financing: the path to universal coverage, World Health Report 2010

Study	Currency ^a	Cost of obtaining one year of healthy life *		
		Current mix	Optimal mix	Improvement (%)
Malaria drug treatment in Zambia (62) (cost per case cured)	US\$	10.65	8.57	20
Disease and injury prevention in Thailand (63)				
Cardiovascular disease prevention	BHT	300 000	2 185	99
Road traffic injury prevention (alcohol)		6 190	3 375	45
Road traffic injury prevention (helmets)		1 000	788	21
Alcohol and tobacco control in Estonia (64)				
Alcohol	EEK	2 621	893	66
Tobacco		292	247	15
Neuropsychiatric interventions in Nigeria (65)				
Schizophrenia	NGN	210 544	67 113	68
Depression		104 586	62 095	41
Epilepsy		13 339	10 507	21
Alcohol abuse		20 134	10 677	47
Mental health-care package in Australia (66)				
Schizophrenia	AU\$	30 072	17 536	42
Affective disorder (any)		196 070	107 482	45
Anxiety disorder (any)		20 463	10 737	48
Alcohol disorder		15 184	9 130	40
Alcohol disorder		97 932	53 412	45
Cervical cancer care and prevention (67) ^b				
High-income subregion (EurA)	I\$	4 453	3 313	26
Middle-income subregion (WprB)		3 071	1 984	35
Low-income subregion (SearD)		421	355	16

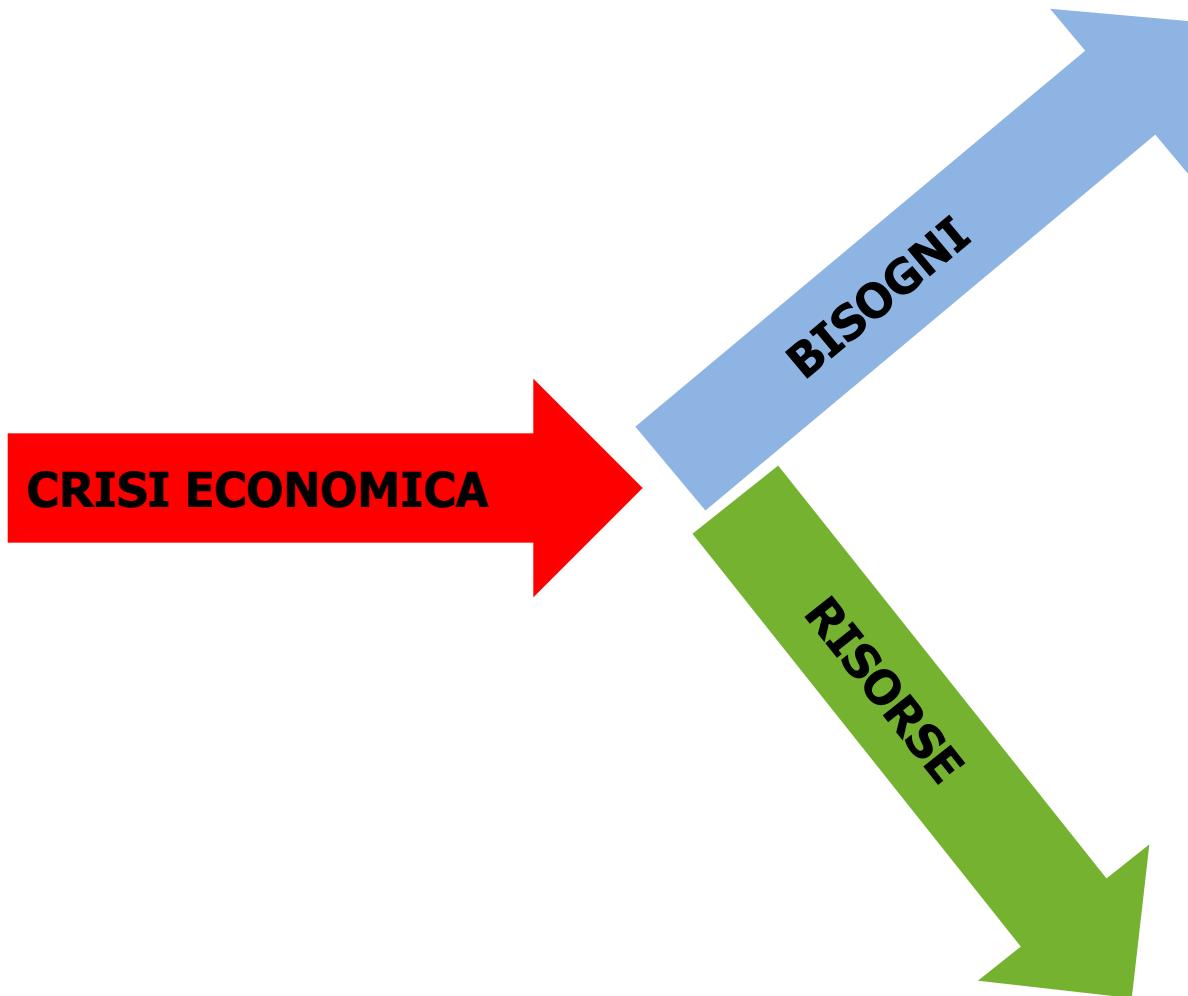
66. Andrews G et al. Utilising survey data to inform public policy: comparison of the cost-effectiveness of treatment of ten mental disorders. *The British journal of psychiatry : the journal of mental science*, 2004,

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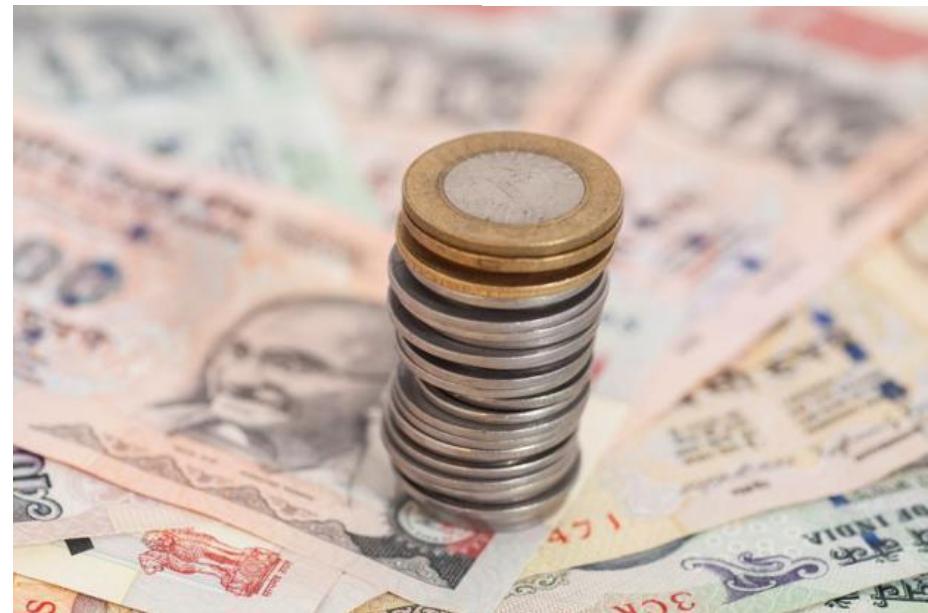
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Effetti della crisi economica



Come è finanziata la salute mentale in Italia?

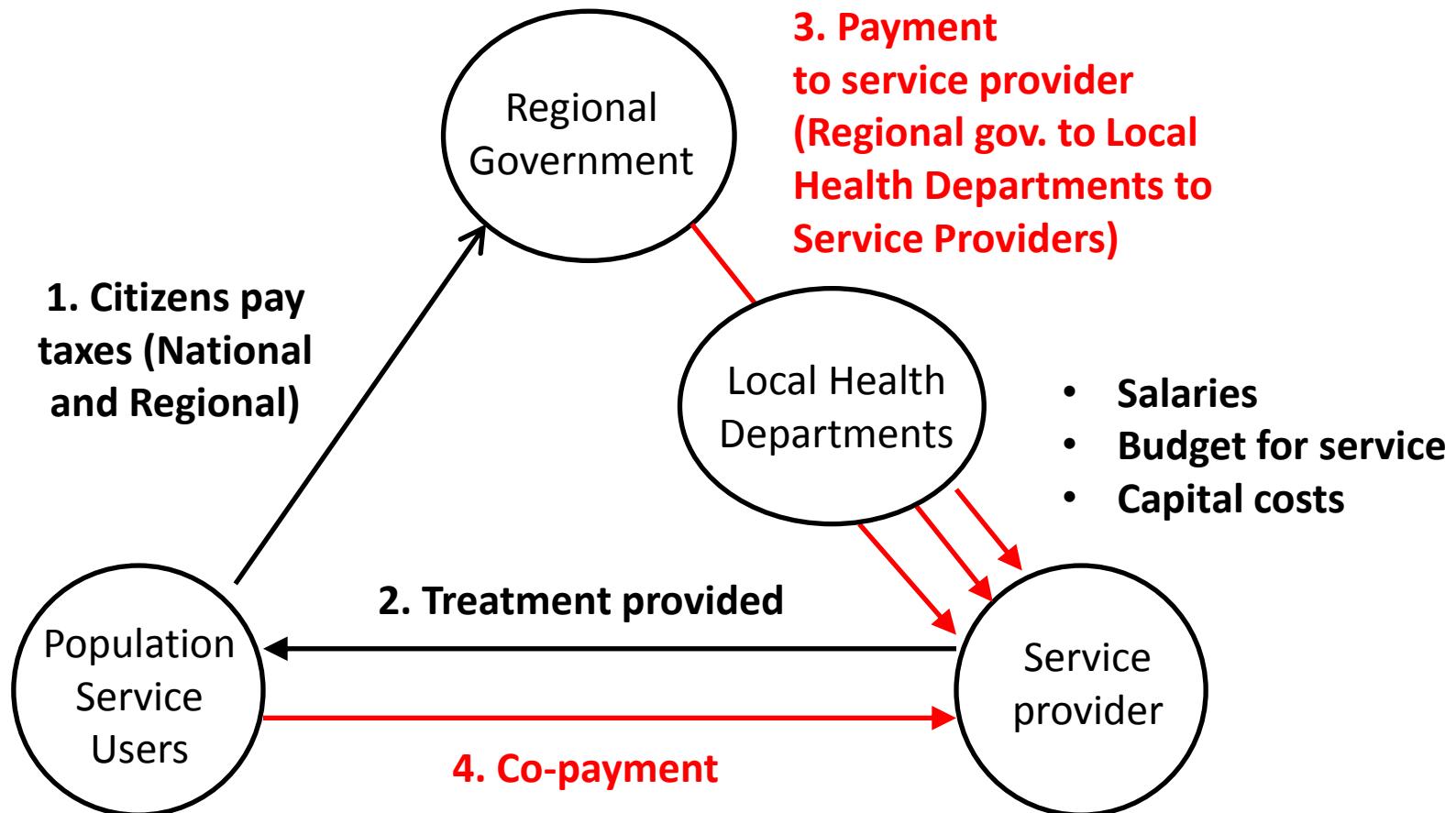


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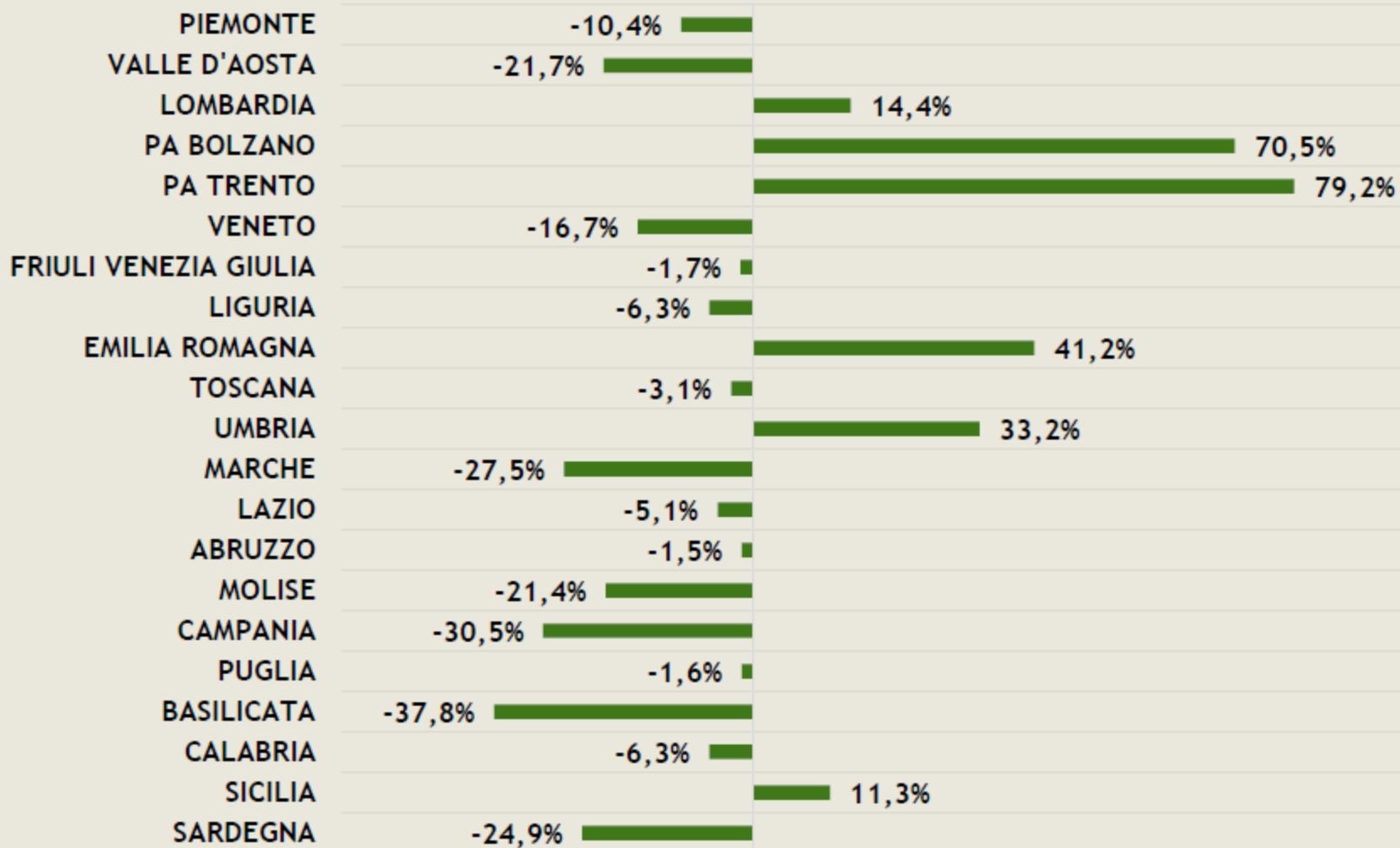
Paying for services

The „car insurance“ model

The Italian case



Spesa per la Salute Mentale sul totale della spesa sanitaria – Variazione % sui dati regionali - Valore di riferimento nazionale: 3,5%

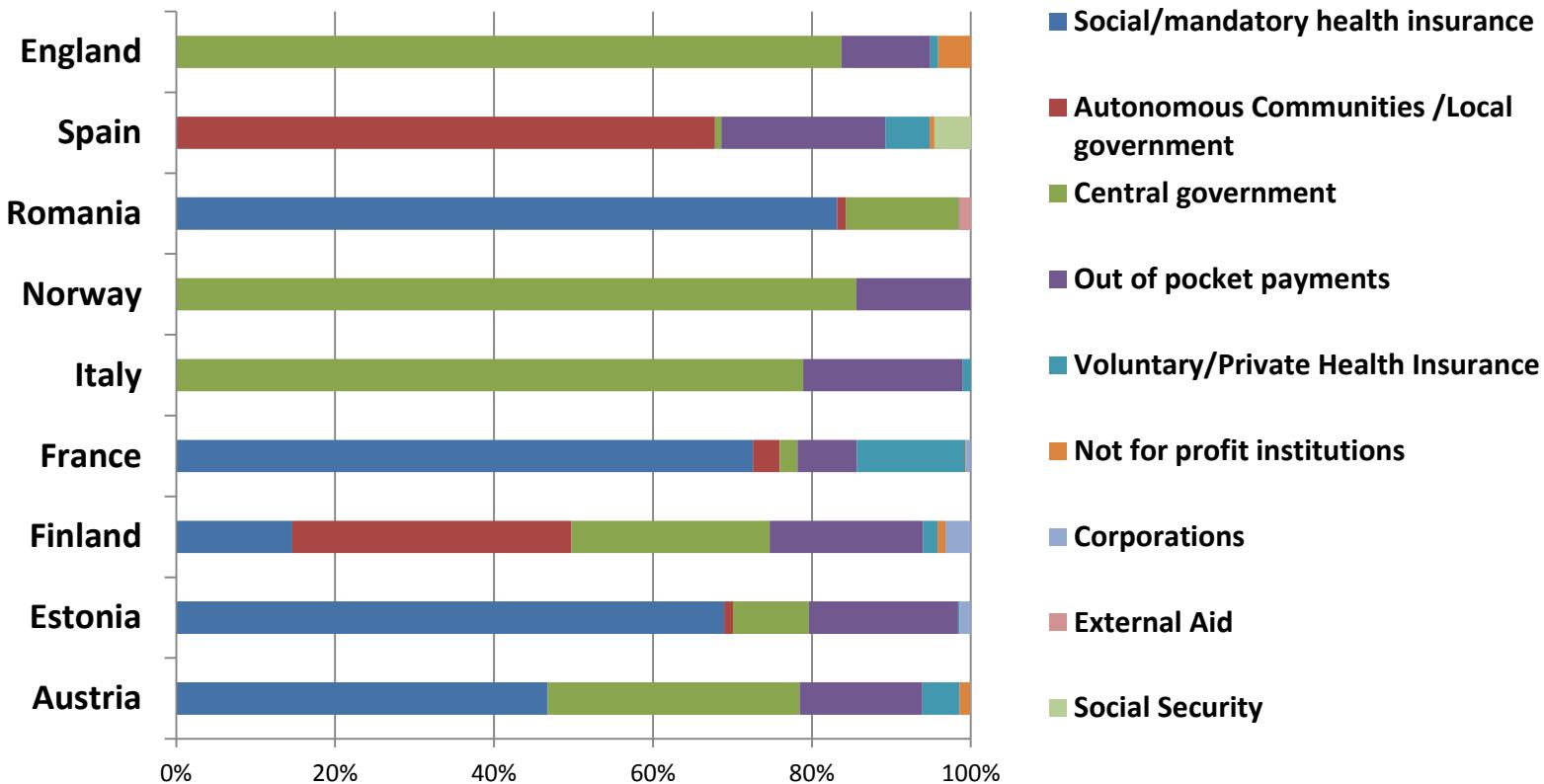


Elaborazione SIEP su dati Ministero della Salute relativi all'anno 2015



Fonti del finanziamento

Sources of Funding for All Health Expenditure



REFINEMENT

"REsearch on FINancing systems' Effect on the Quality of MENTal health care"

www.refinementproject.eu

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Le sfide per l'allocazione delle risorse

- **(mal)distribuzione**
- **inappropriatezza**
- **inflessibilità**
- **dislocazione**
- **tempistica**



DSM e possibilità di interventi innovativi



MENTAL HEALTH AND INTEGRATION

PROVISION FOR SUPPORTING PEOPLE WITH MENTAL ILLNESS:
A COMPARISON OF 30 EUROPEAN COUNTRIES



The Economist, 2014

**Ironically money
should not be a
problem because
integrated care
costs much less
than keeping
hospitals open**



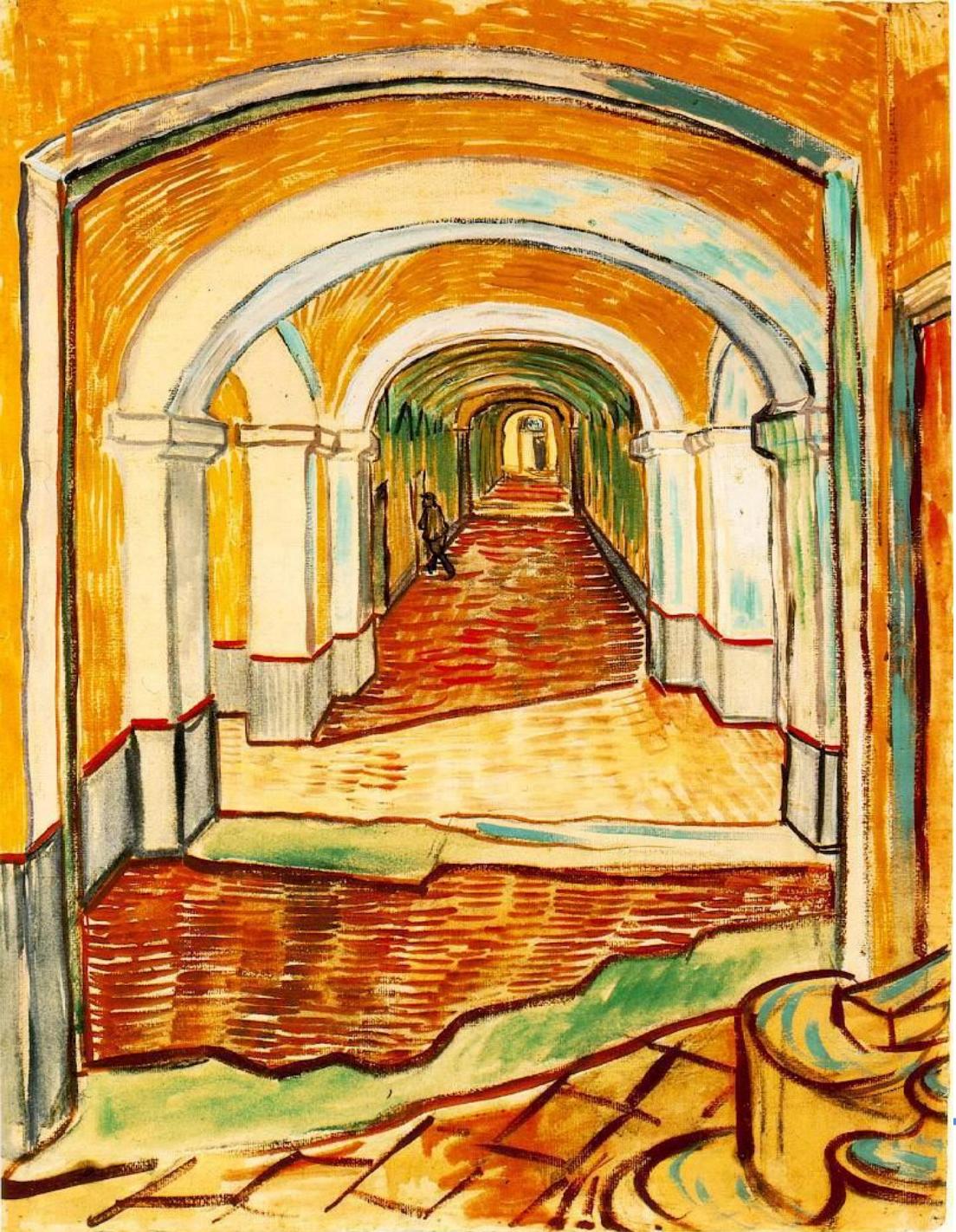
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OVERALL SCORE		ENVIRONMENT		ACCESS		OPPORTUNITIES		GOVERNANCE			
RANK	COUNTRY	SCORE	RANK	COUNTRY	SCORE	RANK	COUNTRY	SCORE	RANK	COUNTRY	SCORE
1	Germany	85.6	=1	Germany	100.0	1	Germany	86.5	1	France	100.0
2	United Kingdom	84.1	=1	United Kingdom	100.0	2	Slovenia	83.8	2	Finland	88.9
3	Denmark	82	=3	Denmark	90.0	3	Norway	82.3	=3	Denmark	83.3
4	Norway	79.5	=3	Netherlands	90.0	4	Denmark	79.6	=3	Estonia	83.3
5	Luxembourg	76.6	=3	Norway	90.0	5	Spain	72.7	=5	Germany	77.8
6	Sweden	74.1	=3	Sweden	90.0	6	Luxembourg	72.5	=5	Netherlands	77.8
7	Netherlands	72.8	=7	Latvia	85.0	7	Netherlands	72	=5	Norway	77.8
8	Estonia	71.4	=7	Luxembourg	85.0	8	United Kingdom	72	=5	Spain	77.8
9	Slovenia	71.1	=9	Ireland	83.3	9	France	71.4	=9	Luxembourg	72.2
10	Belgium	70.7	=9	Spain	83.3	10	Austria	71.4	=9	Poland	72.2
11	Finland	70	=11	Belgium	81.7	11	Malta	69.7	=9	United Kingdom	72.2
12	Spain	68.8	=11	Slovenia	81.7	12	Lithuania	69.1	12	Austria	66.7
13	France	68.4	=13	Finland	80.0	13	Sweden	68.8	=12	Belgium	61.1
14	Ireland	68	=13	Poland	80.0	14	Estonia	67.4	=13	Italy	61.1
15	Poland	65.4	15	Italy	76.7	15	Belgium	67.1	=13	Malta	61.1
16	Italy	59.9	16	Estonia	75.0	16	Ireland	66.2	13	Sweden	61.1
17	Malta	59.7	17	Czech Republic	68.3	17	Czech Republic	64.9	=17	Cyprus	55.6
18	Czech Republic	59.4	18	Slovakia	63.3	18	Italy	58.2	=17	Ireland	55.6
19	Austria	57.9	19	Malta	61.7	19	Slovakia	49.9	=17	Slovenia	55.6
20	Lithuania	53.5	20	France	56.7	20	Switzerland	48	20	Czech Republic	50.0
21	Latvia	51.9	20	Portugal	56.7	21	Poland	45.5	=21	Hungary	38.9
22	Slovakia	46.8	22	Austria	55	22	Cyprus	44.4	=21	Latvia	38.9
23	Cyprus	46.6	23	Hungary	53.3	23	Croatia	43.4	=21	Switzerland	38.9
24	Switzerland	45.7	24	Lithuania	51.7	24	Finland	39.7	=24	Croatia	33.3
25	Hungary	43.9	24	Romania	51.7	25	Latvia	33.9	=24	Greece	33.3
26	Croatia	40.1	26	Greece	46.7	26	Hungary	32.9	=24	Malta	47.1



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The Asylum Van Gogh, 1889



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