





Headline indicators for monitoring the performance of health systems

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Background

- Evidence-based policymaking calls for a coherent health system performance assessment (HSPA) framework and prioritized indicators at the European level.
- Selected "headline" HSPA indicators may provide early warnings of policy impacts.

We propose a prioritized set of HSPA indicators with the aim of informing comparative analysis of policy impacts in a hierarchical way.

Methods

- Appraised health system performance (HSP) reports in Member States at EU and international level.
- Conducted a two-stage EU-wide online survey, the European Health System Indicator survey (euHS_I survey), where European experts assessed the relevance of existing and proposed HSPA indicators for
 - specific performance domains, i.e. access, efficiency, equity and quality of care, and
 - their policy importance.
- Employed a broad range of qualified experts in the field.
- Frequency analysis was performed where "domain

Results

- Established a HSP indicator inventory by organising 2168 health and health system indicators used in 43 performance reports.
- Indicators listed in the domains quality of care, health status and determinants of health dominate the current HSP indicator

landscape.

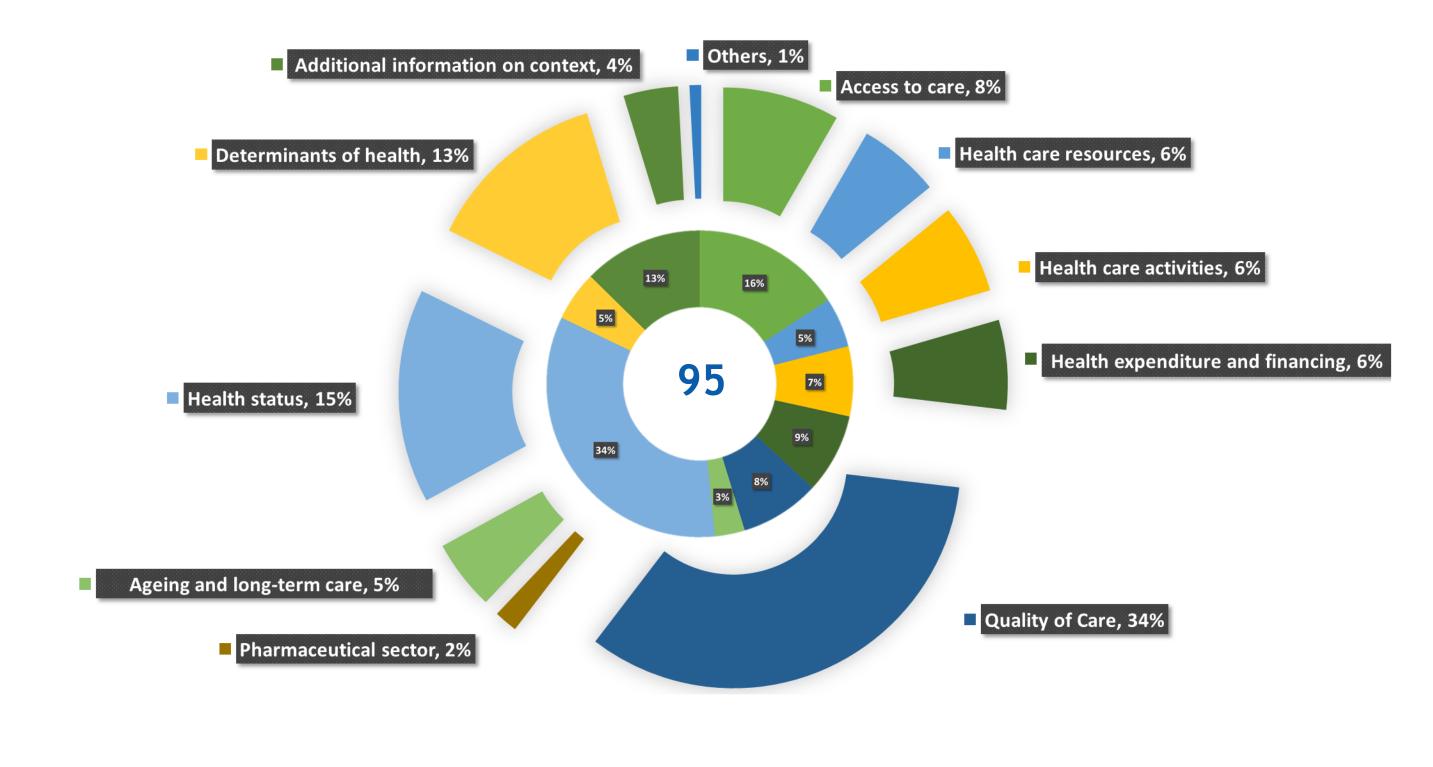
Table 1: Top three listed headline indicators ranked by individual preferences

Name of indicator1. Share of population covered by health insurance *2. Reported waiting times for access to specialist (care)3. Accessibility to acute care3. Waiting times for elective surgeries1. Average length of stay (ALOS), total and selected diagnoses1. Total health care expenditure by all financing agents (total, public and

frequencies" and "headline level frequencies" were calculated for each HSPA domain. This was complemented by listing rankings of indicators based on individual preferences of participants.

Fig 1: Distribution of stepwise adjustment of indicator inventory for euHS_I survey

Outer circle: indicator set after adjustment for overlaps for 1st stage survey (N=361) *Inner circle:* indicator set for 2nd stage survey (N=95)



ETTCIENCY	private sectors) *
	Health expenditure per capita in PPP (purchasing power parities) in relation to life expectancy at birth
	3. Number of surgical operations and procedures
Quality of Care	1. Hospital Standardized Mortality Ratio (HSMR)
	2. Ambulatory Care Sensitive Conditions (ACSC) Hospitalization Rate
	 Prevalence and incidence rate of hospital-acquired infections (% of patients hospitalised) *
Equity	1. Geographic distribution of doctors: Physicians density in predominantly urban and rural regions
	 Percentage of households experiencing high levels/catastrophic of out- of-pocket health expenditures *
	3. Self-reported/perceived general health
Status	1. Healthy Life Years (HLY)
	1. Life expectancy *
	2. Avoidable mortality rate: amenable and preventable deaths
	3. Infant mortality rate
	1 Prevalence of different smoking status self-reported *

2. Body Mass Index *

3. Opportunities for education: Participation in early childhood education

3. Overall experience of life: Life satisfaction

* indicator with lowest sum of all three rankings

Highlights

Proposes a set of 23 headline HSP indicators for the first time.

Implights the importance of indicator development in health system areas beyond public health.

Ieadline indicators should be sorted as first line indicators in Eurostat, OECD and WHO and in country health profiles.

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Health

Dete

Reference: Perić, N., Hofmarcher, M. M., & Simon, J. (2018). Headline indicators for monitoring the performance of health systems: findings from the european Health Systems_Indicator (euHS_I) survey. *Archives of Public Health*, *76*(1), 32. doi:10.1186/s13690-018-0278-0



This project is funded by the Health Programme of the European Union

