



Federaal Kenniscentrum voor de Gezondheidszorg
Centre Fédéral d'Expertise des Soins de Santé
Belgian Health Care Knowledge Center

Belgian Health System Performance Report 2015

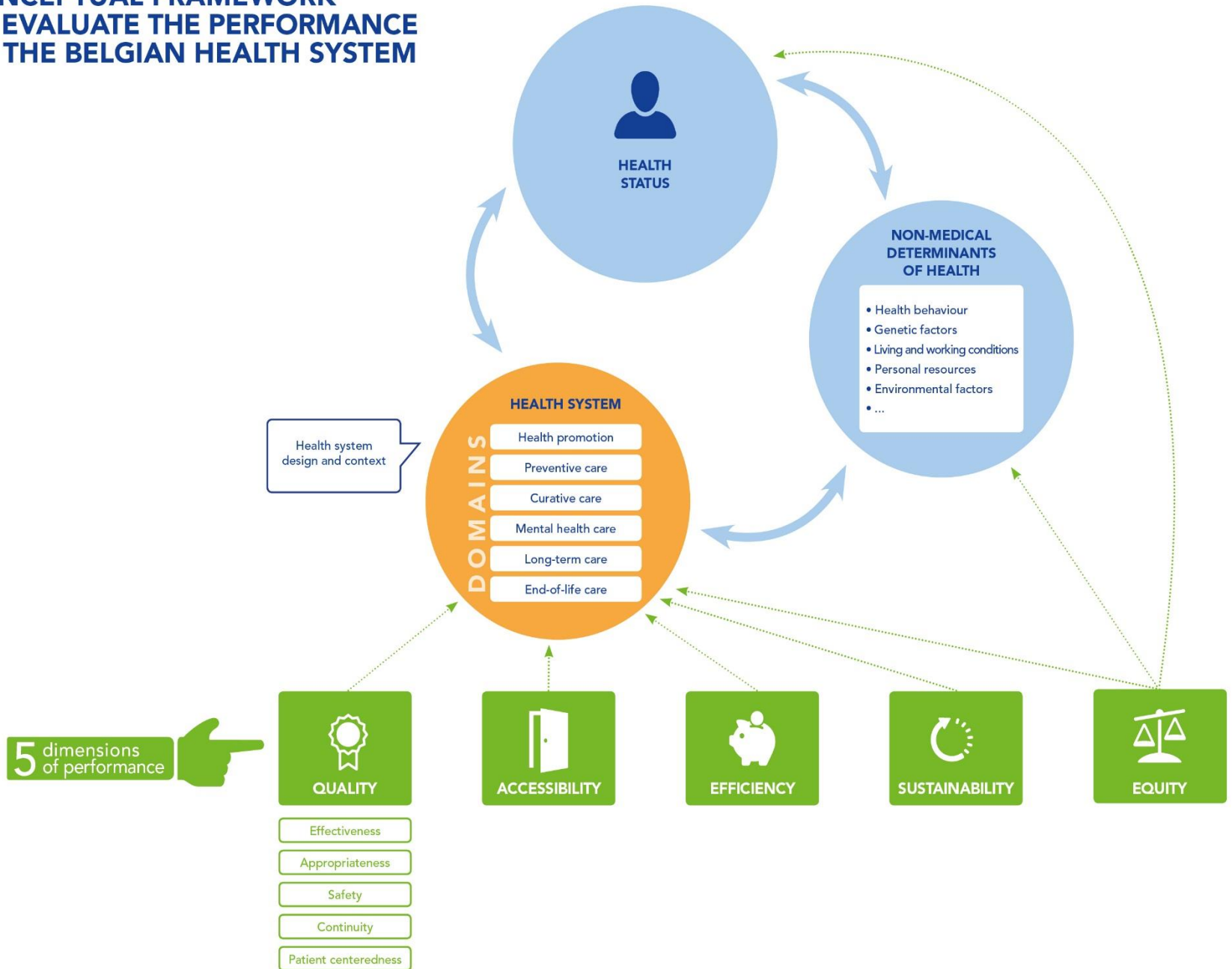
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Strategic objectives HSPA

1. to **inform** the health authorities and to be a support for **policy** planning;
2. to provide a **transparent and accountable view** (Tallinn Charter);
3. to **monitor** the health system performance over time.



CONCEPTUAL FRAMEWORK TO EVALUATE THE PERFORMANCE OF THE BELGIAN HEALTH SYSTEM



Data & Methods

106
indicators

Source of data

- **Statistics Belgium**
- **MZG-RHM**
- **IMA-AIM**
- **HIS**
- **SHA (health accounts)**
- **Workforce Registre**
- **Disease specific registres**
- **RIZIV-INAMI**

Evaluation of results

How ?

1. **Targets**
2. **Benchmarking (EU-15)**
3. **Standards of care**
4. **Consensus (expert opinion)**



C

Preventive Care

11 indicators

Table 2 – Indicators on preventive care

(ID) Indicator		Belgium	
Vaccination coverage			
P-1	Polio, diphtheria, tetanus and pertussis vaccination in children (% , 3th/4th dose)		3d: 99.0 4d: 92.0
P-2	Measles vaccination in children (% , 1th/2th dose)		1d: 95.5 2d: 85.0
P-3 <i>NEW</i>	Hepatitis B vaccination in children (% , 3th/4th dose)		3d: 97.8 4d: 91.3
P-4	Influenza vaccination (% pop aged 65+) ^a		56.4
Incidence infectious diseases preventable by vaccination			
P-5 <i>NEW</i>	Incidence of measles (new cases/million pop)		6.1
Cancer screening^c			
P-6	Breast cancer screening (% women aged 50-69)		62.7
P-7 <i>NEW</i>	Breast cancer screening - organized programme (% women aged 50-69)		32.5
P-8	Cervix cancer screening (% women aged 25-64)		53.6
P-9 <i>NEW</i>	Colorectal cancer screening (FOBT) (% pop aged 50-75)		16.5
Over-screening cancer			
P-10	Breast cancer screening outside age target group (% women aged 40-49)		35.1
Oral health – contacts with dentist			
P-11 <i>NEW</i>	No regular contacts with dentist ^d (% pop aged 3+)		50.8





9 indicators

Table 3 – Indicators on accessibility of healthcare

(ID) Indicator			Belgium
Financial accessibility			
A-1	Health insurance status of the population (% of population)	●	98.9
A-2	Out-of-pocket payments (% of total health expenditures)	●	17.9
A-3	Out-of-pocket payments (in US \$ PPP/capita)	●	760
A-4	Self-reported delayed contacts with health services for financial reasons (% of households)	●	8.0
Health workforce			
A-5	Practising physicians (/1000 population)	C	2.95
A-6	Practising nurses (/1000 population)	C	9.51
A-7 <i>NEW</i>	Number of nurse vacancies	C	2058
A-8 <i>NEW</i>	Patient-to-nurse ratio	●	10.7
Waiting time			
A-9 <i>NEW</i>	Waiting time of more than two weeks to get an appointment with a specialist (% of population asking an appointment)	●	38.4



31 Indicators

Effectiveness

3  3 

Appropriateness

1  7 

Safety

4  2 

Continuity

2  1  1  1  1 

Patient centeredness

4 



Mental health care

10 indicators

Table 9 – Indicators on mental health and mental healthcare

(ID) Indicator		
Health Status		
MH-1	Deaths due to suicide (/100 000 pop)	●
Accessibility of care		
MH-2 <i>NEW</i>	Practising psychiatrists (/1000 pop)	C
MH-3 <i>NEW</i>	Waiting time longer than 1 month for first contact in ambulatory mental health centre (% of pop with contact in ambulatory mental health centre)	●
Appropriateness of care		
MH-4	Rate of involuntary committals in psychiatric hospital wards (/10 000 pop)	C
MH-5 <i>NEW</i>	ER visits for social, mental or psychic reason (% of admission in ER in general hospitals)	●
Appropriateness of prescribing pattern in ambulatory patients^a		
MH-6	Use of antidepressants (total DDD/1000 pop/day)	■
MH-7	Use of antidepressants (% of adult population, at least once in the year)	●
MH-8 <i>NEW</i>	Percentage of patients with short duration (< 3 months) of antidepressants treatment (% of pop under antidepressant)	●
Safety of prescribing pattern in ambulatory patients		
MH-9	Patients (65+ years old) prescribed antidepressants with anticholinergic effect (%)	●
Contextual indicator		
MH-10 <i>NEW</i>	Number of hospitalisation days in psychiatric hospital wards (/1000 pop)	C

Long-term care

6 indicators

Table 10 – Indicators on long-term care for the elderly (population aged 65+)

(ID) Indicator		Belgium	
Use of long-term care services			
LT-1	Long-term care in residential facility ^{a,b} (% pop aged 65+)	C	8.4
LT-2	Long-term home nursing care ^c (% pop aged 65+)	C	4.9
LT-3	Informal carers (% of pop aged 15+)	C	9
Safety for elderly			
LT-4 <i>NEW</i>	Fall incident during the last 12 months (% pop aged 65+)	C	20
Safety in residential care			
LT-5 <i>NEW</i>	Prevalence of pressure ulcers (grade II-IV) in home for the elderly ^a (% of residents)	●	---
LT-6 <i>NEW</i>	Prevalence of MRSA carriage in residential facility (% of residents)	+	12.2

+ 12 indicators specifically on +65 pop

End-of-life care

4 indicators

Table 12 – Indicators on end of life care for patients with terminal cancer





(ID) Indicator		Belgium	
EOL-1 <i>NEW</i>	Patients who received palliative care ^a (% of terminal cancer patients who died in the year)		51.0
Lack of timely palliative care			
EOL-2	Patients who died within one week after start of palliative care (% of terminal cancer patients who received palliative care and died in the year)		19.6
Aggressiveness of care at the end of life			
EOL-3	Patients who received chemotherapy in the last 14 days of life (% of terminal cancer patients who died in the year)		11.2
Patient centeredness			
EOL-4	Death at usual place of residence (home or in residential care) (% of terminal cancer patients who died in the year)		29.6



Table 13 – Indicators of efficiency of healthcare

(ID) Indicator		
E-1	One-day surgical admissions (% of surgical admissions)	+
E-2	Length of stay normal delivery (mean, days)	+
E-3	Use of low-cost medication (% of total ambulatory DDDs)	+

3 indicators

But indications of

- Unexplained geographical variation
- Overuse of investigations and equipments
- Inappropriate treatment



13 indicators








Table 15 – Indicators on sustainability of the health system

(ID) Indicator		Belgium	
Healthcare expenditures and financing			
S-1	Total Health Expenditures (% GDP)	C	10.2
S-2	Total Health Expenditures (€/capita)	C	3619
S-3	Total Health Expenditures (% financed by public sector)	C	77.8
Health workforce in the future (inflow, outflow)			
S-4	Medical graduates (/100 000 population)	C	10.2
S-5	Medical graduates becoming GP (% of those with medical specialisation)	+	28
S-6	Mean age of practising GPs (in FTE, years)	-	52.8
S-7	Physicians aged 55+ (% of those practising)	-	43.2
S-8	Nursing graduates (/100 000 population)	C	47.1
S-9	Nursing students following the bachelor track <i>NEW</i> (% of new graduates)	C	---
S-10	Nurses aged 50+ <i>NEW</i> (% of those practising)	C	25.4
Hospital-centrism			
S-11	Curative care bed-days (number/capita)	●	1.1
Innovation			
S-12	W.A.I.T indicator for innovative medicines ^a <i>NEW</i> (in days)	+	368
S-13	GPs using an electronic medical file (% of practising GPs)	+	76.7

Health status

7 indicators











Table 16 – Indicators on health status

(ID)- Indicator		
Indicators based on mortality data		
HS-1	Life expectancy at birth (years)	
HS-2 <i>NEW</i>	Premature mortality (potential years of life lost before 70 years old /100 000 pop, age-adjusted)	
HS-3 <i>NEW</i>	Amenable mortality (rate/100 000 pop, age-adjusted)	
HS-4 <i>NEW</i>	Preventable mortality (rate/100 000 pop, age-adjusted)	
HS-5	Infant mortality (deaths/1000 live births)	
Indicators based on self-assessed health		
HS-6	Healthy Life Years at age 65 (years)	
HS-7	Self-perceived health (% pop 15+ in good or very good health)	

Health promotion

10 indicators

Table 17 – Indicators on non-medical determinants of health and health pr

ID - Indicator	Belgium
Health outcomes	
HP-1 Obesity in adults (BMI ≥ 30) (% pop aged 18+)	 13.7
NEW HP-2 Overweight in adolescents (BMI exceeding normal weight limits (% pop aged 11, 13, 15) ^a)	 ---
HP-3 Incidence of HIV (new diagnoses/100 000 pop)	 All: 10 Belgian: 4
Lifestyles	
HP-4 Daily smokers (% pop aged 15+)	 18.9
HP-5 Hazardous alcohol drinking ^b (% pop aged 15+)	 5.0
HP-6 Binge drinking ^c (% pop aged 15+)	 8.5
HP-7 Daily physical activity (at least 30 min) (% pop aged 18-64)	 38.4
Effective health services	
NEW HP-8 Global Medical Record + (% pop aged 45-75 with GMR)	 22
Health literacy (Empowerment)	
NEW HP-9 Health literacy (at least sufficient level) (% of pop aged 18+)	 58.7
Policy	
HP-10 Tobacco Control Scale ^d	 47/100





EQUITY

3 indicators

Evidence of socio-economic inequalities

Table 19 – Contextual indicators of equity

(ID) Indicator		Belgium
EQ-1	Income distribution in population (GINI coefficient)	C 0.259
EQ-2	Degree of progressivity of financing healthcare (Ratio progressive receipts / total receipts, expressed as a %)	C 7.5 ^a
EQ-3	Degree of regressivity of financing healthcare (Ratio regressive receipts / progressive receipts)	C 3.5 ^a

Recommendations

Health (system)
objectives

Warning signals

Health information
systems

Colophon

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Colophon

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