# Luxembourg

*	Population (000s)	530	Life expectancy at birth (years)	82
≥±	GNI per capita (PPP Int \$)	59,750	Total health expenditure (% GDP)	7.1
5	Physician density (per 10 000 population)	2.90	ICT Development Index rank	9
000	Nurse & midwife density (per 10 000 population)	12.61	Mobile-cellular subscriptions (% population)	145.36
	Hospital bed density (per 10 000 population)	56	Internet users (% population)	92

### 1. eHealth foundations

National policies or strategies			
	Country response	Global "yes" response§	Year adopted
National universal health coverage policy or strategy	_	75%	N/A
National eHealth policy or strategy	Yes	58%	2006
National health information system (HIS) policy or strategy	Yes	66%	2012
National telehealth policy or strategy	No	22%	N/A
Funding sources for eHealth			
	Country response	Global "yes" response§	Funding source %**
Public funding	Yes	77%	>75%
Private or commercial funding	No	40%	Zero
Donor/non-public funding	No	63%	Zero
Public-private partnerships	No	42%	Zero
Multilingualism in eHealth			
	Country response	Global "yes" response§	Year adopted
Policy or strategy on multilingualism	_	28%	N/A
Government-supported Internet sites in multiple languages	Yes	48%	
eHealth capacity building			
	Country response	Global "yes" response§	Proportion**
Health sciences students – Pre-service training in eHealth	Yes	74%	<25%
Health professionals – In-service training in eHealth	Yes	77%	<25%

## 2. Legal frameworks for eHealth

Policy or legislation – purpose	Country response	Global "yes" responses
Defines <b>medical jurisdiction</b> , <b>liability or reimbursement of eHealth services</b> such as telehealth	Yes	31%
Addresses <b>patient safety and quality of care</b> based on data quality, data transmission standards or clinical competency criteria	No	46%
Protects the <b>privacy of personally identifiable data</b> of individuals irrespective of whether it is in <b>paper or digital format</b>	Yes	78%
Protects the <b>privacy of individuals' health-related data</b> held in electronic format in an <b>EHR</b>	Yes	54%
Governs the sharing of digital data between health professionals in other health services in the same country through the use of an EHR	Yes	34%
Governs the sharing of digital data between health professionals in health services in other countries through the use of an EHR	No	22%
Governs the sharing of personal and health data between research entities	Yes	39%
Allows individuals electronic access to their own health-related data when held in an EHR	Yes	29%
Allows <b>individuals to demand their own health-related data be corrected</b> when held in an <b>EHR</b> if it is known to be inaccurate	Yes	32%
Allows individuals to demand the deletion of health-related data from their EHR	Yes	18%
Allows individuals to specify which health-related data from their EHR can be shared with health professionals of their choice	Yes	28%
Governs civil registration and vital statistics	Yes	76%
Governs national identification management systems	Yes	65%



### 3. Telehealth

Telehealth programmes country overview			
	Health system level**	Programme type**	
Teleradiology	National	Established	
Teledermatology	‡	‡	
Telepathology	‡	‡	
Telepsychiatry	‡	‡	
Remote patient monitoring	Intermediate, Local	Established	

### 4. Electronic Health Records (EHRs)

EHR country overview			
	Country response	Year introduced	
National EHR system	Yes	2015	
Legislation governing the use of the national EHR system	Yes		
Health facilities with EHR	Use EHR	Facilities with EHR %**	
Primary care facilities (e.g. clinics and health care centres)	Yes	>75%	
Secondary care facilities (e.g. hospitals, emergency care)	Yes	>75%	
Tertiary care facilities (e.g. specialized care, referral from primary/secondary care)	Yes	50-75%	
Other electronic systems	Country response	Global "yes" response§	
Laboratory information systems	Yes	35%	
Pathology information systems	No	18%	
Pharmacy information systems	Yes	33%	
PACS	Yes	26%	
Automatic vaccination alerting system	No	10%	
ICT-assisted functions	Country response	Global "yes" response§	
	N.1	58%	
Electronic medical billing systems	No	JO/0	
Electronic medical billing systems Supply chain management information systems	No No	58%	

### 5. Use of eLearning in health sciences

eLearning programmes country overview			
Health sciences students — Pre-service	Country response	Global "yes" response§	
Medicine	No	58%	
Dentistry	No	39%	
Public health	No	50%	
Nursing & midwifery	Yes	47%	
Pharmacy	No	38%	
Biomedical/Life sciences	No	42%	
Health professionals – In-service	Country response	Global "yes" response§	
Medicine	N/A	58%	
Dentistry	N/A	30%	
Public health	N/A	47%	
Nursing & midwifery	N/A	46%	
Pharmacy	N/A	31%	
Biomedical/Life sciences	N/A	34%	

#### 6. mHealth

mHealth programmes country overview			
Accessing/providing health services	Health system level**	Programme type**	
Toll-free emergency	National	Established	
Health call centres	‡	‡	
Appointment reminders	National	Informal	
Mobile telehealth	National	Pilot	
Management of disasters and emergencies	International	Established	
Treatment adherence	National	Pilot	
Accessing/providing health information	Health system level**	Programme type**	
Community mobilization	National	Pilot	
Access to information, databases and tools	‡	‡	
Patient records	National	Established	
mLearning	‡	‡	
Decision support systems	Local	Pilot	
Collecting health information	Health system level**	Programme type**	
Patient monitoring	‡	‡	
Health surveys	‡	‡	
Disease surveillance	‡	‡	

#### 7. Social media

Social media and health	Country response	Global "yes" response§	Year adopted
National policy or strategy on the use of social media by government organizations	Yes	18%	2013
Policy or strategy makes specific reference to its use in the health domain	No	5%	
Health care organizations – use of social media		Country response	Global "yes" response§
Promote health messages as a part of health promotion car	Promote health messages as a part of health promotion campaigns		78%
Help manage patient appointments			24%
Seek feedback on services	ek feedback on services		56%
ake general health announcements		Yes	72%
Make emergency announcements	ake emergency announcements		59%
Individuals and communities – use of social media	dividuals and communities – use of social media		Global "yes" response§
Learn about health issues		Yes	79%
elp decide what health services to use		No	56%
rovide feedback to health facilities or health professionals		Yes	62%
un community-based health campaigns		Yes	62%
Participate in community-based health forums		Yes	59%

### 8. Big data

Policy or strategy – purpose	Country response	Global "yes" response§	Year adopted
Governing the use of big data in the health sector	No	17%	N/A
Governing the use of big data by private companies	_	8%	N/A

Regional level:

National level:

#### **LEGEND**

\* Country context indicators

ICT Development Index Rank. 2015 - https://www.itu.int/net4/ITU-D/idi/2015/ All other country indicators. Global Health Observatory. 2012-2014 http://www.who.int/gho

Glossary

Indicates the percentage of participating Member States responding "Yes"

N/A Not applicable

Indicates question was unanswered

Question not asked Zero No funding

Local or peripheral level: Health posts, health centres providing basic level of care Informal: Use of ICT for health purposes in the absence of formal processes and policies

Intermediate level: District or provincial facilities: public and private hospitals

Pilot: Testing and evaluating a programme

and health centres

International level: Health entities in different geographic regions

public, but also private)

Established: An ongoing programme that has been conducted for a

minimum of 2 years and is planned to continue

Health entities in countries in the same geographic region

Referral hospitals, laboratories and health institutes (mainly