Bhutan



| * | Population (000s) | 754 | Life expectancy at birth (years) | 68 |
|-------------|---|-------|--|-------|
| Σ× | GNI per capita (PPP Int \$) Physician density (per 10 000 population) | 7,210 | Total health expenditure (% GDP) | 3.6 |
| orte ete | Physician density (per 10 000 population) | 0.26 | ICT Development Index rank | 118 |
| ŌŌ | Nurse & midwife density (per 10 000 population) | 0.98 | Mobile-cellular subscriptions (% population) | 75.61 |
| 00 | Hospital bed density (per 10 000 population) | 18 | Internet users (% population) | 25.4 |

1. eHealth foundations

| National policies or strategies | | | | |
|---|------------------|------------------------|--------------------|--|
| | Country response | Global "yes" response§ | Year adopted | |
| National universal health coverage policy or strategy | Yes | 75% | 2010 | |
| National eHealth policy or strategy | Yes | 58% | 2014 | |
| National health information system (HIS) policy or strategy | Yes | 66% | 2010 | |
| National telehealth policy or strategy | No | 22% | N/A | |
| Funding sources for eHealth | | | | |
| | Country response | Global "yes" response§ | Funding source %** | |
| Public funding | Yes | 77% | 25-50% | |
| Private or commercial funding | No | 40% | Zero | |
| Donor/non-public funding | Yes | 63% | <25% | |
| Public-private partnerships | No | 42% | Zero | |
| Multilingualism in eHealth | | | | |
| | Country response | Global "yes" response§ | Year adopted | |
| Policy or strategy on multilingualism | No | 28% | N/A | |
| Government-supported Internet sites in multiple languages | No | 48% | | |
| eHealth capacity building | | | | |
| | Country response | Global "yes" response§ | Proportion** | |
| Health sciences students – Pre-service training in eHealth | Yes | 74% | 50-75% | |
| Health professionals – In-service training in eHealth | No | 77% | N/A | |

2. Legal frameworks for eHealth

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



3. Telehealth

| Telehealth programmes country overview | | | |
|--|-----------------------|------------------|--|
| | Health system level** | Programme type** | |
| Teleradiology | ‡ | ‡ | |
| Teledermatology | ‡ | ‡ | |
| Telepathology | ‡ | ‡ | |
| Telepsychiatry | ‡ | ‡ | |
| Remote patient monitoring | ‡ | ‡ | |

4. Electronic Health Records (EHRs)

| | Country response | Year introduced |
|--|------------------|-------------------------|
| National EHR system | No | N/A |
| Legislation governing the use of the national EHR system | ‡ | |
| Health facilities with EHR | Use EHR | Facilities with EHR %** |
| Primary care facilities (e.g. clinics and health care centres) | N/A | ‡ |
| Secondary care facilities (e.g. hospitals, emergency care) | N/A | ‡ |
| Tertiary care facilities (e.g. specialized care, referral from primary/secondary care) | N/A | ‡ |
| Other electronic systems | Country response | Global "yes" response§ |
| Laboratory information systems | N/A | 35% |
| Pathology information systems | N/A | 18% |
| Pharmacy information systems | N/A | 33% |
| PACS | N/A | 26% |
| Automatic vaccination alerting system | N/A | 10% |
| ICT-assisted functions | Country response | Global "yes" response§ |
| Electronic medical billing systems | No | 58% |
| Supply chain management information systems | No | 58% |
| | | 69% |

5. Use of eLearning in health sciences

| eLearning programmes country overview | | | |
|--|------------------|------------------------|--|
| Health sciences students — Pre-service | Country response | Global "yes" response§ | |
| Medicine | N/A | 58% | |
| Dentistry | N/A | 39% | |
| Public health | N/A | 50% | |
| Nursing & midwifery | N/A | 47% | |
| Pharmacy | N/A | 38% | |
| Biomedical/Life sciences | N/A | 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 | National | Established |
| Appointment reminders | ‡ | ‡ |
| Mobile telehealth | ‡ | ‡ |
| Management of disasters and emergencies | National | Established |
| Treatment adherence | ‡ | ‡ |
| Accessing/providing health information | Health system level** | Programme type** |
| Community mobilization | ‡ | ‡ |
| Access to information, databases and tools | ‡ | ‡ |
| Patient records | ‡ | ‡ |
| mLearning | ‡ | ‡ |
| Decision support systems | ‡ | ‡ |
| 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 | No | 18% | N/A |
| Policy or strategy makes specific reference to its use in the health domain | ‡ | 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% |
| elp manage patient appointments | | No | 24% |
| Seek feedback on services | ek feedback on services | | 56% |
| Make general health announcements | ake general health announcements | | 72% |
| Make emergency announcements | ke emergency announcements | | 59% |
| Individuals and communities – use of social media | | Country response | Global "yes" response§ |
| Learn about health issues | arn about health issues | | 79% |
| Help decide what health services to use | elp decide what health services to use | | 56% |
| rovide feedback to health facilities or health professionals | | Yes | 62% |
| Pun community-based health campaigns | | _ | 62% |
| Participate in community-based health forums | | _ | 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 | No | 8% | N/A |

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"
 Don't know

N/A Not applicable

‡ Indicates question was unanswered

Question not asked

Zero No funding

International level: Health entities in different geographic regions

Regional level: Health entities in countries in the same geographic region

National level: Referral hospitals, laboratories and health institutes (mainly public, but also private)

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

and health centres

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

Pilot: Testing and evaluating a programme

Established: An ongoing programme that has been conducted for a

minimum of 2 years and is planned to continue