



Madagascar

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|---------------------|---|--------|--|------------|
| Country indicators* | Population (000s) | 22,294 | Total health expenditure (%GDP) | 4.1 |
| | GNI per capita (PPP Int \$) | 930 | ICT Development Index rank | 149 |
| | Physician density (per 10 000 population) | 0.16 | Mobile-cellular subscriptions (% inhabitants) | 39.38 |
| | Nurse and midwife density (per 10 000 population) | | Internet users (% of individuals) | 2.1 |
| | Hospital bed density (per 10 000 population) | 2 | Maternal mortality ratio (per 100 000 live births) | 240 |
| | Life expectancy at birth (years) | 66 | Infant mortality rate (per 100 000 live births) | 22 [13-37] |

eHealth policy/strategy

Status of eHealth and women's and children's health policy/strategy

| | |
|---|-----|
| National eHealth policy/strategy exists | No |
| Year adopted | |
| Implementation status | |
| Refers to the use of eHealth in women's and children's health policy/strategy | |
| Special funding allocated for implementation | No |
| Women's and children's health | |
| National policy/strategy for women's and children's health exists | Yes |
| Policy/strategy refers to the use of eHealth, mHealth or social media | No |

eHealth systems

An overview of the types of eHealth systems in place, their purpose and level

| | |
|---|------------------------|
| Electronic information system collects and reports births, deaths and causes of death data | Yes – partial coverage |
| Year introduced | Before 2000 |
| At least one electronic information system exists at the district level to collect and report health data | Yes |
| Resource tracking system in place to report total health expenditure by financing source, per capita | Yes |
| Type of resource tracking system | Both |
| Resource tracking system level | National |
| Resource tracking system in place to report total reproductive, maternal, newborn, and child health (RMNCH) expenditure by financing source, per capita | No |
| Type of resource tracking system | |
| Resource tracking system level | |

Monitoring the status of women's and children's health

An overview of the measurement of the 11 CoIA indicators by monitoring frequency and format

| Indicator measured | Monitor | Frequency | Format: Paper, Electronic, or Both |
|---|---------|---------------|------------------------------------|
| Maternal mortality ratio | Yes | Every 5 years | Both |
| Under 5 child mortality with the proportion of newborn deaths | Yes | Every 5 years | Both |
| Children under 5 who are stunted | Yes | Every 5 years | Both |
| Met need for contraception | Yes | Every 5 years | Both |
| Antenatal care coverage | Yes | Every year | Both |
| Prevention of mother-to-child HIV transmission (PMTCT) | Yes | Every year | Both |
| Skilled attendant at birth | Yes | Every 5 years | Both |
| Postnatal care for mothers and babies | Yes | Every year | Both |
| Exclusive breastfeeding for six months | Yes | Every 5 years | Both |
| 3 doses of the combined diphtheria, pertussis and tetanus vaccine | Yes | Every year | Both |
| Antibiotic treatment for pneumonia | Yes | Every year | Both |

eHealth initiatives – national overview

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| eHealth supports major women's and children's health initiatives | No |
| Funding sources | |

Possible barriers to implementing eHealth services

The most important barriers hindering the implementation of eHealth services

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| Leadership, governance and policy - country policy or strategy does not include eHealth as an approach to support women's and children's health | Yes |
| Infrastructure - not yet adequate, accessible, or cost-effective to support desired services | Yes |
| Human resources - lack of suitably qualified or experienced professionals who can develop and implement eHealth projects and promote their use | Yes |
| Financial - limited or no reimbursement by insurance companies for services; business models not yet developed for broad and sustainable eHealth delivery | Yes |

ICT training

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| Tertiary institutions offer ICT training for students of health sciences | Yes |
| Continuing education in ICT for health professionals | No |

Internet health information quality

Approaches taken to ensure quality of health-related content on the Internet

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|--|----|
| Dedicated website(s) - concerning women's & children's health | No |
|--|----|

Online safety for children

Approaches taken by government to protect children in the online environment

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|---|----|
| Government provides information and education to citizens on internet safety and literacy | No |
| Some initiatives are aimed specifically to protect children | |
| Safety tools and security technologies are required by law for schools, libraries and other public places where children have Internet access | No |
| ISPs are legally mandated to provide online safety tools to protect children | No |

Privacy and security of personal and health-related data

Legislation to protect women and children

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|--|-------------|
| Privacy laws exist to protect citizens' personal identifiable data irrespective of format (paper or digital) | Do not know |
| Privacy laws exist to protect citizens' health data held in digitized format in an Electronic Medical Record (EMR) or Electronic Health Record (EHR) | Do not know |
| Parental consent required for the creation of a child's EMR/EHR | Do not know |
| Parental access to a child's EMR/EHR is possible | Do not know |
| Correction of errors in a child's EMR/EHR is possible | Do not know |
| Legislation exists enabling the sharing of EMR/EHR between health care entities within the same country | Do not know |
| Parental consent is required | |
| Legislation exists enabling the sharing of EMR/EHR between health care entities in other countries | Do not know |
| Parental consent is required | Do not know |
| Legislation exists which grants a child the right to control over its EMR/EHR | No |
| From age (years) | |

Social media

Countries are recognizing the benefit of using social media for health

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|--|----|
| Some health programmes use social media (eg. Facebook, Twitter, YouTube) | No |
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* Data source: www.who.int/goe/publications/cp_source2013

** Inconsistent data