### Sociodemographic indicators (2013)


- **Total population:** 122,332,000
- **Life expectancy (years):**
  - Men: 75.1
  - Women: 79.8
  - Total: 77.5

### Surveillance Systems

**General mortality rate per 1,000 inhabitants**
- All causes: 6.0
- Communicable diseases: 0.34

**Hospital beds per 1,000 inhabitants:** 1.5

**Public health expenditure (% of GDP):** 2.8

### Sentinel Sites

- **VISVEFLU – SARI Surveillance**
  - **Scope:** Sentinel
  - **Sample Collection:** Yes
  - **Data Collection:** Nominal
- **VISVEFLU – ILI Surveillance**
  - **Scope:** Sentinel
  - **Sample Collection:** Yes
  - **Data Collection:** Nominal
- **Pneumonia Surveillance**
  - **Scope:** National
  - **Sample Collection:** No
  - **Data Collection:** Aggregate
- **ARI Surveillance**
  - **Scope:** National
  - **Sample Collection:** No
  - **Data Collection:** Aggregate
- **Mortality Surveillance**
  - **Scope:** National
  - **Sample Collection:** Yes
  - **Data Collection:** Nominal

### Reporting

- The data bases generate bulletins/reports automatically: **No**
- A national bulletin/report is published weekly: **Yes**
- Includes SARI/ILI sentinel surveillance data: **Yes**
- Data reported to PAHO/WHO system FluID: **No**
- Data reported to PAHO/WHO system FluNet: **Yes**

### Information Systems

- Integration of epidemiological/virologic information: **Yes**
- Integration of different surveillance information systems: **Partial**
- Allows for monitoring of the sentinel site system: **Yes**
- Provides influenza activity indicators: **Yes**
- Provides interactive online dashboard: **Yes (internal use only)**

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*Unless otherwise specified, all data was collected by the PAHO/WHO Influenza Surveillance Team from one or more of the following sources: PAHO questionnaires completed by epidemiology or laboratory experts, influenza bulletins published/ shared by the countries, country presentations in regional influenza meetings, consultation with country influenza surveillance experts. The document was submitted to the national counterpart for revision.*
**SARI/ILI Sentinel Surveillance**

**SARI case definition:** Person of any age that presents difficulty breathing, with background of fever ≥ 38°C and cough, with one or more of the following symptoms: general malaise, thoracic pain, polypnea

**ILI case definition:** Person of any age that presents or refers to having had fever ≥ 38°C, cough, and headache, accompanied by one or more of the following signs or symptoms: rhinorrhea, coryza, arthralgia, myalgia, prostration, odynophagia, thoracic pain, abdominal pain, nasal congestion or diarrhea

<table>
<thead>
<tr>
<th>Sentinel Surveillance Characteristics</th>
<th>SARI</th>
<th>ILI</th>
</tr>
</thead>
<tbody>
<tr>
<td>PAHO/WHO case definition</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Trainings per year</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Selection for sampling</td>
<td>100%</td>
<td>10%</td>
</tr>
<tr>
<td>Systematic randomized sampling</td>
<td>NA</td>
<td>Yes</td>
</tr>
<tr>
<td>Collection of clinical-epidemiological variables</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Frequency of sample shipment to the laboratory</td>
<td>1-2 times/week</td>
<td>1-2 times/week</td>
</tr>
<tr>
<td>Frequency of national data updates</td>
<td>Daily</td>
<td>Daily</td>
</tr>
<tr>
<td>Denominator of number of cases</td>
<td>All hospitalized</td>
<td>All consultations</td>
</tr>
<tr>
<td>Use of baselines or endemic channels</td>
<td>(for pneumonia, ARI)</td>
<td></td>
</tr>
<tr>
<td>Sentinel establishments are evaluated</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Number of evaluations per year</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

**Laboratory Surveillance**

- National Influenza Center (NIC) Yes
- Year initiated as NIC 1957
- Receive samples from all surveillance systems Yes
- Weekly average of samples in the country (2011-2013) 314
- Labs have access to epidemiological case information Yes
- Sends samples to WHO Collaborating Center Yes
- Detection of other respiratory viruses by PCR Yes
- There is a plan for quality control in the laboratory network Yes

**Circulation of Influenza Viruses 2010-2014***

**Vaccines**

- **Vaccine composition**: Northern hemisphere (since 2004)
- **Vaccination time-frame**: Oct-Dec, Jan-Feb
- **Percentage of older adults (>50 years) that received the vaccine against influenza, 2012**: 93
- **Percentage of children (6-35 months) that received the vaccine against influenza, 2012**: 95

**Influenza Pandemic Preparedness Plan**

- Country has a Pandemic Preparedness Plan Yes
- Year last updated 2009
- Year first devised 2007