# ECUADOR:
# CARDIOVASCULAR DISEASES PROFILE

Pan American Health Organization

World Health Organization — Americas

## DEMOGRAPHIC AND SOCIOECONOMIC PROFILE

**(1) POPULATION PYRAMID (2011)**



Women  Men
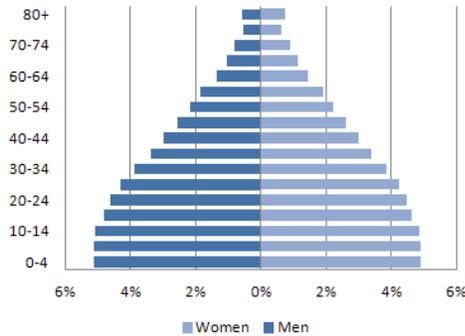
**(2) Total population (2011):** 14,666,055

**(3) Percentage of population aged 30-69 years (2011):** 38.7

**(4) Life expectancy at birth (years) (2013):**
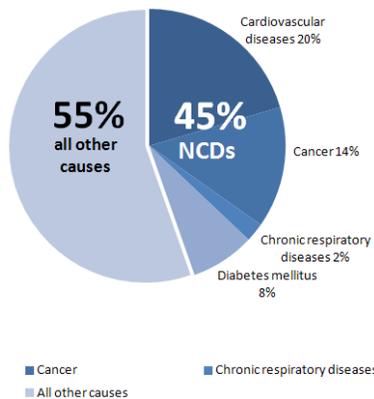   Total: 76.5   Male: 73.7   Female: 79.4

**(5) Literate population (15+ years old) (%) (2011):** 91.6

**(6) Gross national income (2012):**
   Current value (US$ per capita): 5,190
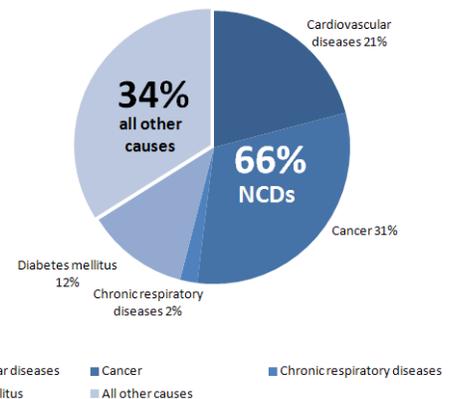   Purchasing power parity value (international dollars): 9,590

Sources: (1-2): United Nations Population Division. World Population Prospects: The 2010 Revision, New York, 2011; (3-6): PAHO/WHO. Health Situation in the Americas: Basic Indicators 2013. [Internet] Washington, D.C, United States of America, 2013. [Accessed on Feb 20, 2014]. Available from: http://bit.ly/1jMhEzO

## ALL CAUSE PREMATURE DEATHS (2011)
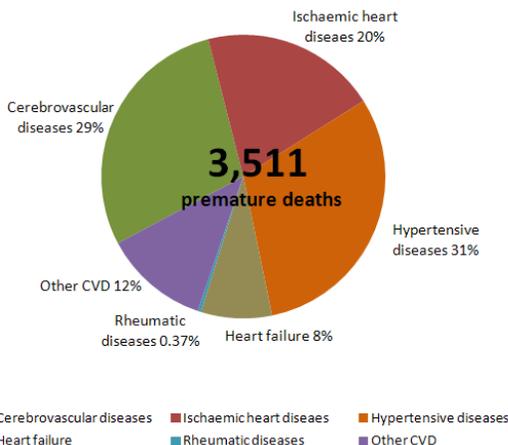
### MALE (30-69 yrs)



55% all other causes

45% NCDs

Cardiovascular diseases 20%

Cancer 14%

Chronic respiratory diseases 2%

Diabetes mellitus 8%

■ Cardiovascular diseases   ■ Cancer   ■ Chronic respiratory diseases
■ Diabetes mellitus   ■ All other causes

**Total premature deaths: 17,188**
**4 NCDs premature deaths: 7,670**

### FEMALE (30-69 yrs)



34% all other causes

66% NCDs

Cardiovascular diseases 21%

Cancer 31%

Chronic respiratory diseases 2%

Diabetes mellitus 12%

■ Cardiovascular diseases   ■ Cancer   ■ Chronic respiratory diseases
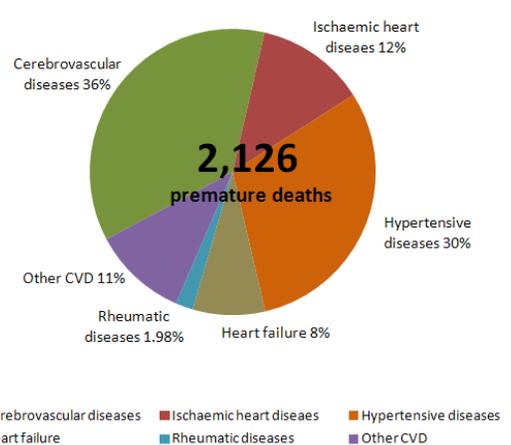■ Diabetes mellitus   ■ All other causes

**Total premature deaths: 10,175**
**4 NCDs premature deaths: 6,724**

## CARDIOVASCULAR DISEASES PREMATURE DEATHS (2011)

### MALE (30-69 yrs)



Ischaemic heart diseaes 20%

Cerebrovascular diseases 29%

**3,511 premature deaths**

Hypertensive diseases 31%

Other CVD 12%

Rheumatic diseases 0.37%

Heart failure 8%

■ Cerebrovascular diseases   ■ Ischaemic heart diseaes   ■ Hypertensive diseases
■ Heart failure   ■ Rheumatic diseases   ■ Other CVD

### FEMALE (30-69 yrs)



Ischaemic heart diseaes 12%

Cerebrovascular diseases 36%

**2,126 premature deaths**

Hypertensive diseases 30%

Other CVD 11%

Rheumatic diseases 1.98%

Heart failure 8%

■ Cerebrovascular diseases   ■ Ischaemic heart diseaes   ■ Hypertensive diseases
■ Heart failure   ■ Rheumatic diseases   ■ Other CVD

Notes: NCDs: Noncommunicable diseases; CVD: Cardiovascular diseases.

Source: PAHO/WHO Mortality information system 2014 (ICD-10: Cardiovascular diseases (I00-I99), cerebrovascular diseases (I60-I69), hypertensive diseases (I10-I15), ischaemic heart diseases (I20-I25), cancer (C00-99), diabetes (E10-14) and chronic respiratory diseases (J30-98)).

## CARDIOVASCULAR DISEASES AGE-STANDARDIZED PREMATURE MORTALITY RATES AND TRENDS (2000-2011)
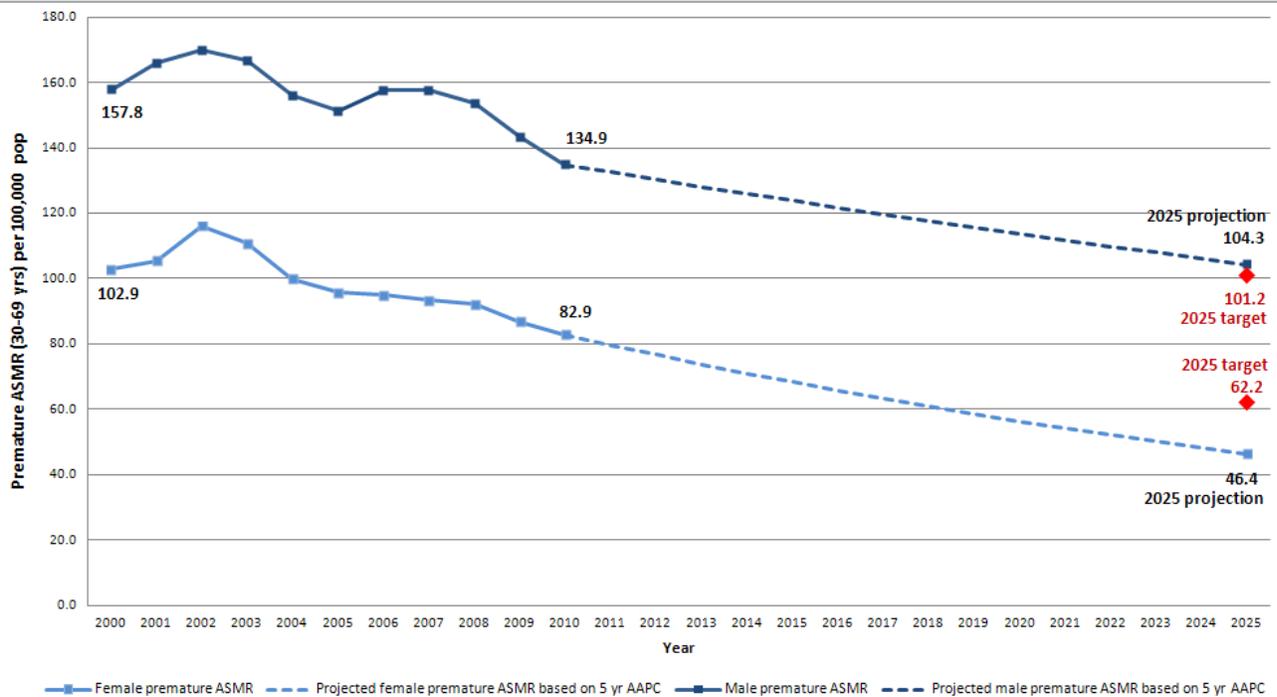
### MALE (30-69 yrs)



- Cardiovascular diseases
- Cerebrovascular
- Hypertensive diseases
- Ischaemic heart diseases

### FEMALE (30-69 yrs)



- Cardiovascular diseases
- Cerebrovascular
- Hypertensive diseases
- Ischaemic heart diseases
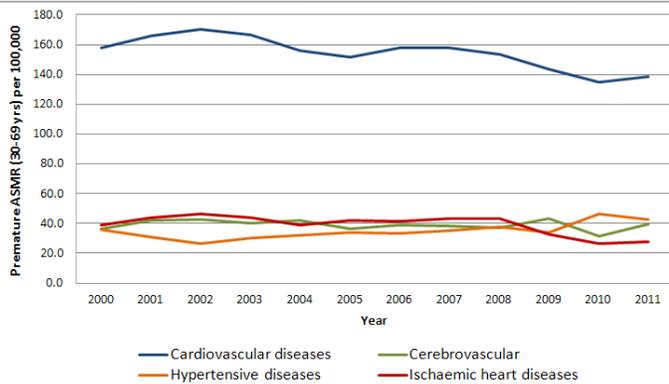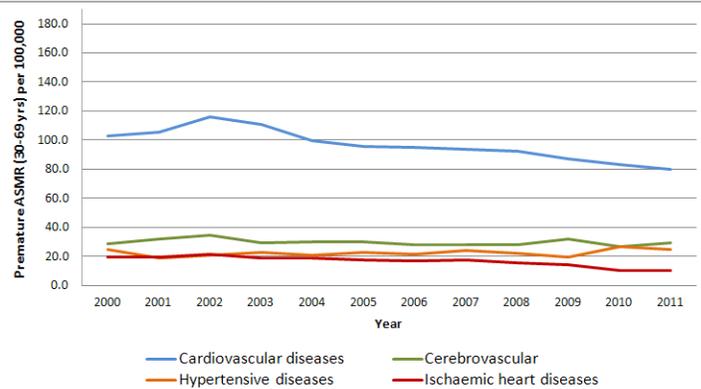
## CARDIOVASCULAR DISEASES AGE-STANDARDIZED PREMATURE MORTALITY TRENDS (2000-2010), 2025 TARGETS AND 2025 PROJECTIONS



- Female premature ASMR
- Projected female premature ASMR based on 5 yr AAPC
- Male premature ASMR
- Projected male premature ASMR based on 5 yr AAPC

| Sex | Total CVD premature deaths (2010) | Premature ASMR (2010) | AAPC | | 2025 target (premature ASMR for a 25% reduction) | 2025 projection (premature ASMR based on 5 years AAPC) | Difference between target and projection |
|---|---|---|---|---|---|---|---|
| | | | 10 years (2002-11) | 5years (2007-11) | | | |
| Male | 3,311 | 134.9 | -1.7* | -1.7* | 101.2 | 104.3 | 3.1 |
| Female | 2,138 | 82.9 | -4.0* | -3.8* | 62.2 | 46.4 | -15.8 |

Notes: CVD: Cardiovascular diseases; Premature ASMR: Age-standardized premature mortality rate (30-69 years of age) per 100,000 pop.; AAPC: Average Annual Percentage Change; *: The AAPC is significantly different from zero at p=0.05.

A complete description of the methodology used to produce this country profile is available from: http://bit.ly/1pQtoU4.

Source: PAHO/WHO Mortality information system 2014 (ICD-10: Cardiovascular diseases (I00-I99), cerebrovascular diseases (I60-I69), hypertensive diseases (I10-I15), ischaemic heart diseases (I20-I25)).