PUERTO RICO:
CARDIOVASCULAR DISEASES PROFILE

Pan American Health Organization

World Health Organization — REGIONAL OFFICE FOR THE Americas

DEMOGRAPHIC AND SOCIOECONOMIC PROFILE

(1) POPULATION PYRAMID (2010)

Women | Men
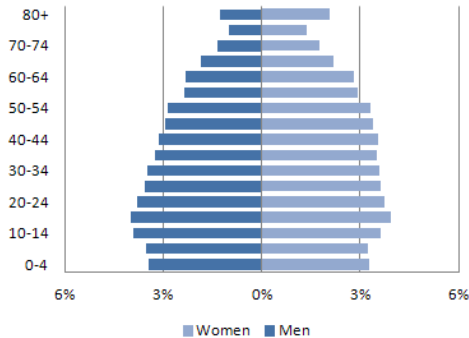
(2) Total population (2010): 3,749,009

(3) Percentage of population aged 30-69 years (2010): 47.5

(4) Life expectancy at birth (years) (2013):
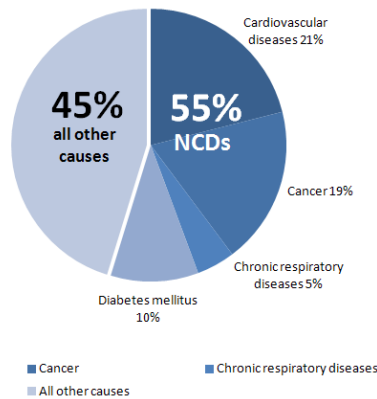   Total: 78.9   Male: 75.1   Female: 82.5

(5) Literate population (15+ years old) (%) (2011): 90.3

(6) Gross national income (2012):
   Current value (US$ per capita): 18,000
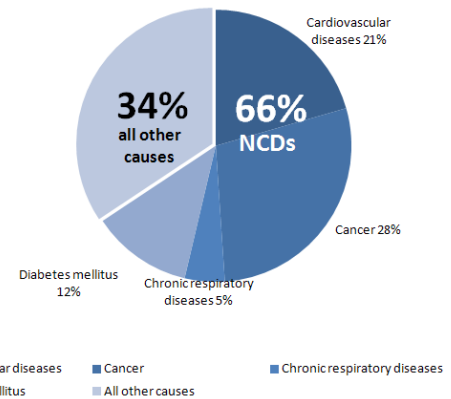   Purchasing power parity value (international dollars): ...

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 (2010)

MALE (30-69 yrs)

Cardiovascular diseases 21%
55% NCDs
Cancer 19%
Chronic respiratory diseases 5%
Diabetes mellitus 10%
45% all other causes

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

Total premature deaths: 5,914
4 NCDs premature deaths: 3,238

FEMALE (30-69 yrs)

Cardiovascular diseases 21%
66% NCDs
Cancer 28%
Chronic respiratory diseases 5%
Diabetes mellitus 12%
34% all other causes

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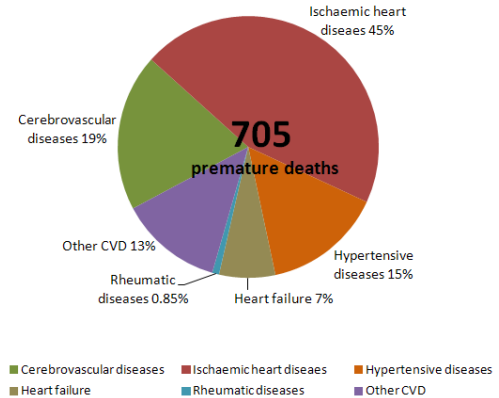■ Diabetes mellitus   ■ All other causes

Total premature deaths: 3,435
4 NCDs premature deaths: 2,256

CARDIOVASCULAR DISEASES PREMATURE DEATHS (2010)

MALE (30-69 yrs)

Ischaemic heart diseaes 51%
Cerebrovascular diseases 16%
Other CVD 13%
Rheumatic diseases 0.16%
Heart failure 5%
Hypertensive diseases 15%
1,245 premature deaths

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

FEMALE (30-69 yrs)

Ischaemic heart diseaes 45%
Cerebrovascular diseases 19%
Other CVD 13%
Rheumatic diseases 0.85%
Heart failure 7%
Hypertensive diseases 15%
705 premature deaths

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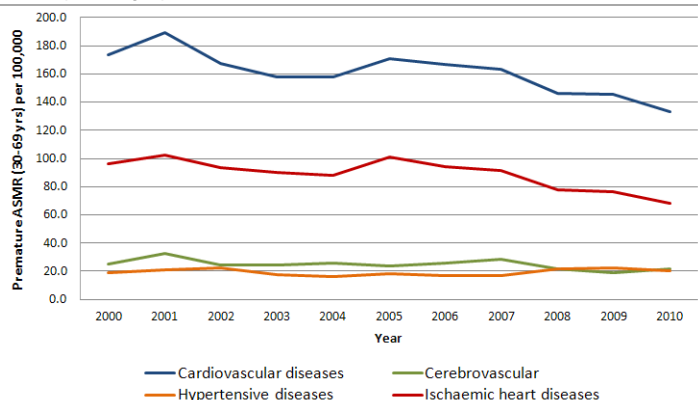■ Heart failure   ■ Rheumatic diseases   ■ Other CVD

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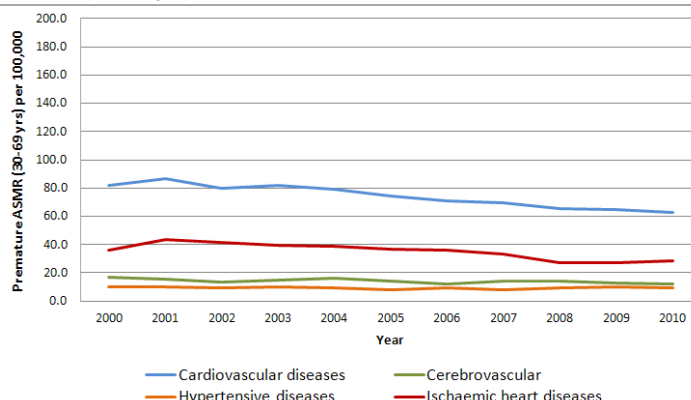
Source: PAHO/WHO Mortality information system 2014 (ICD-10: Cardiovascular diseases (I00-I99), cerebrovascular diseases (I60-I69), hypertensive diseases (I10-I15), ischaemic heart diseases (I20-I25), cancer (C00-99), diabetes (E10-14) and chronic respiratory diseases (J30-98)).

CARDIOVASCULAR DISEASES AGE-STANDARDIZED PREMATURE MORTALITY RATES AND TRENDS (2000-2010)
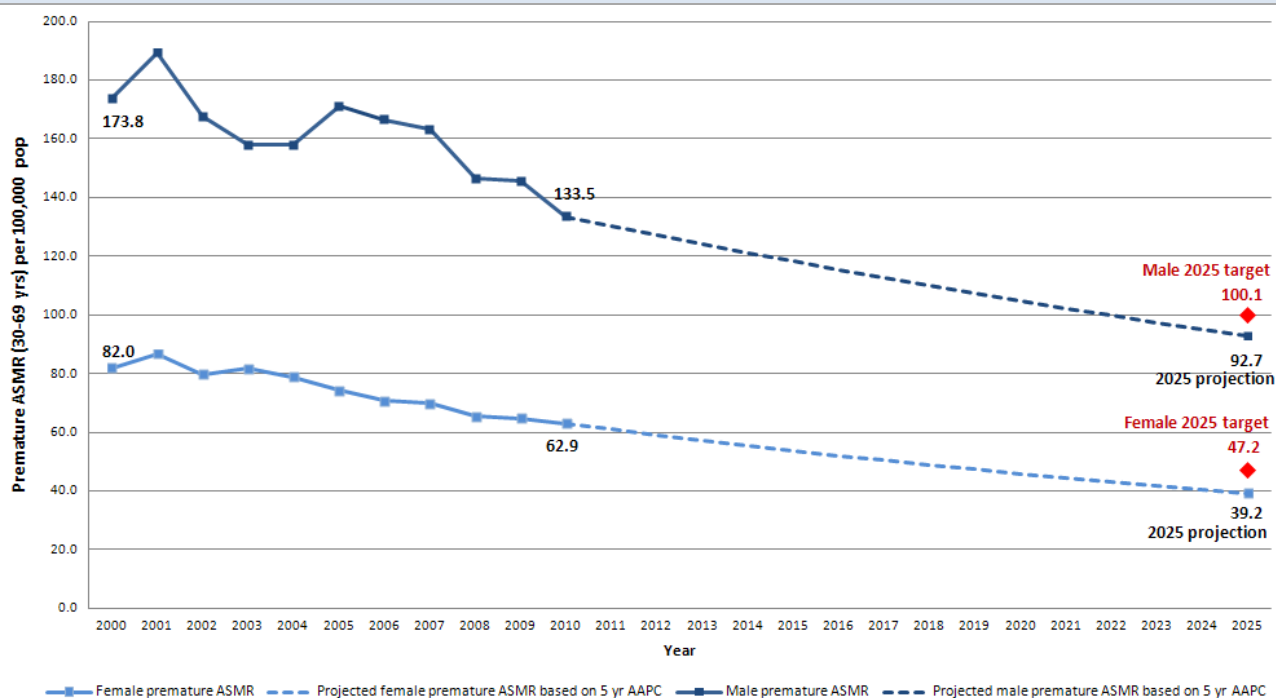
MALE (30-69 yrs)

Y-axis: Premature ASMR (30-69 yrs) per 100,000
X-axis: Year (2000–2010)

Legend: Cardiovascular diseases — Cerebrovascular — Hypertensive diseases — Ischaemic heart diseases

FEMALE (30-69 yrs)

Y-axis: Premature ASMR (30-69 yrs) per 100,000
X-axis: Year (2000–2010)

Legend: Cardiovascular diseases — Cerebrovascular — Hypertensive diseases — Ischaemic heart diseases

CARDIOVASCULAR DISEASES AGE-STANDARDIZED PREMATURE MORTALITY TRENDS (2000-2010), 2025 TARGETS AND 2025 PROJECTIONS

Y-axis: Premature ASMR (30-69 yrs) per 100,000 pop
X-axis: Year (2000–2025)

Male premature ASMR: 173.8 (2000), 133.5 (2010)
Male 2025 target: 100.1
2025 projection: 92.7

Female premature ASMR: 82.0 (2000), 62.9 (2010)
Female 2025 target: 47.2
2025 projection: 39.2

Legend: 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 (2001-10)	5years (2006-10)			
Male	1,245	133.5	-2.4*	-2.4*	100.1	92.7	-7.4
Female	705	62.9	-3.1*	-3.1*	47.2	39.2	-8.0

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)).