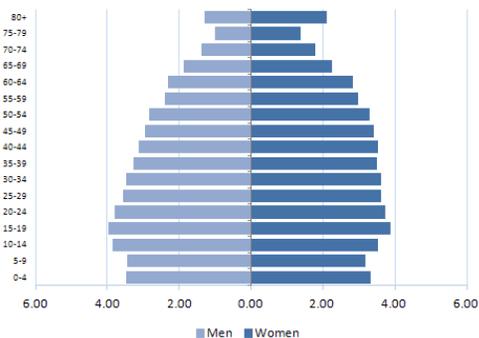


PUERTO RICO

SOCIODEMOGRAPHIC INDICATORS¹



- **Total population:** 3,745,500
- **Average annual deaths:** 29,100
- **Life expectancy at birth (years):**
Total: 79 Male: 75 Female: 83
- **Adult literacy rate:** 90.5%
- **Gross national income US\$ per capita:** ...

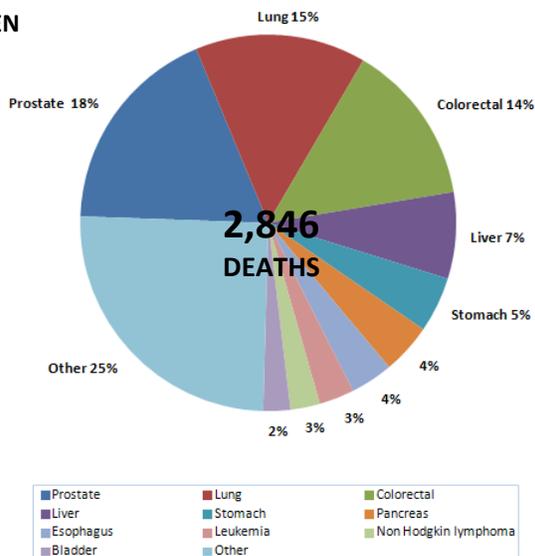
RISK FACTORS

Prevalence of:	Total (%)	Male (%)	Female (%)
Current tobacco smokers among adults ^{2,a}	...	...	...
Current use of any tobacco product among youth ²	...	...	...
Fruit and vegetable intake in adults ^{1,b}	17.7	17.1	18.3
Alcohol consumers, past 12 months ³	...	...	...
Low physical activity in adults ^{1,c}	...	...	...
Obesity among adults (BMI ≥30) ¹	27.5	29.3	25.9
HPV prevalence (women with normal cytology) ⁴	...	...	30.7

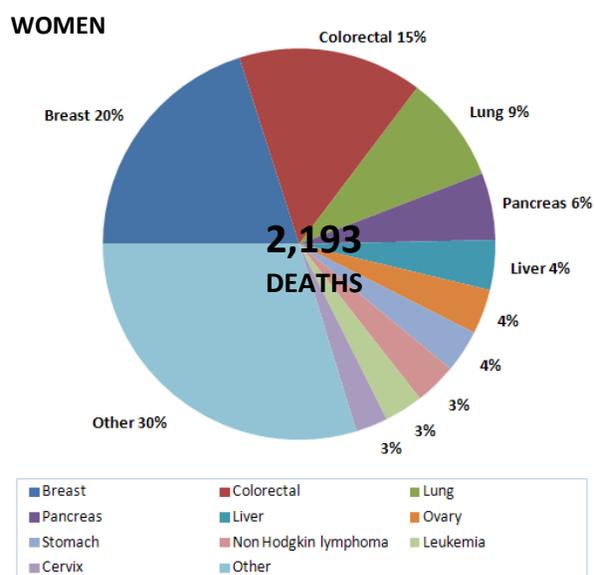
Notes: a: age-standardized prevalence of tobacco smoking in adults (15 years+); b: % who eat 5 or more servings of fruit and vegetables per day; c: % who are physically active for <600 met minutes; BMI: Body Mass Index; HPV: Human Papillomavirus.

CANCER MORTALITY PROFILE (2009)⁵

MEN



WOMEN



AGE-STANDARDIZED CANCER MORTALITY TRENDS (2000-2009)⁵



Average annual percent change (AAPC) of age-standardized mortality rates, by cancer type (2000-2009)⁵

Cancer type	Sex	Number of deaths (2009)	ASMR (2009)	AAPC
All cancer types	Male	2,846	117.21	-0.4
	Female	2,193	70.90	-0.36
Breast cancer		440	15.53	0.79
Cervical cancer		58	2.16	-0.94
Colorectal cancer	Male	397	16.59	2.13*
	Female	334	9.93	0.41
Liver cancer	Male	90	9.07	0.72
	Female	212	2.79	-0.50
Lung cancer	Male	417	17.18	-0.99
	Female	194	6.10	-0.17
Prostate cancer		518	19.08	-0.61
Stomach cancer	Male	136	5.53	-4.06*
	Female	77	2.34	-5.32*

Notes: ASMR: Age-standardized mortality rate; AAPC: Average annual percent change; *: The AAPC is significantly different from zero at p=0.05.

CANCER PLANS AND CANCER REGISTRATION⁶

National integrated NCD policy, strategy or action plan	
Is there a national integrated NCD policy, strategy or action plan?	Yes
Is cancer included in the overall NCD plan?	Yes
First year of implementation	2008
Cancer policy, strategy or action plan	
Is there a cancer policy, strategy or action plan?	Yes
First year of implementation	2008
Cancer registry	
Is there a cancer registry?	Yes
Scope (national vs. subnational)?	National
Type of registry (population vs. hospital based)?	Population based
Last year with available data	2010

CANCER PRIMARY PREVENTION POLICIES

Tobacco control²	
Smoke free environments?	Data not categorized
Raised taxes on tobacco?	Data not categorized
Health warning labels about the dangers of tobacco?	Data not categorized
Bans on tobacco advertising, promotion and sponsorship?	Data not categorized
Overweight and obesity prevention and contro⁶	
Is there a policy, strategy or action plan for reducing overweight/obesity? (First year of implementation)	Yes (2007)
Harmful use of alcohol prevention and control⁶	
Is there a policy, strategy or action plan for reducing harmful use of alcohol? (First year of implementation)	Yes (1972)
HPV vaccination in national immunization program?⁷	
Year of introduction/target age group/delivery strategy	2006/boys and girls aged 11-12 years/primary care providers and health centers
Estimated 3-dose coverage (calendar year)*	21% of 13-15 year old girls (as at Oct 2013)
HBV vaccination in national immunization program?⁷	
Year of introduction/target age group	1991/newborn, 1-2m, 6-18m
Estimated 3-dose coverage (calendar year)	...

*data provided by the Immunization Program of the Puerto Rico Department of Health

CANCER SCREENING

Cervical cancer	
Guidelines⁸	
Are there cervical cancer screening guidelines available?	Yes
Guideline recommendations (tests/age groups/frequency)	Pap test/21-65 years of age/every 3 years HPV and Pap test/30-65 years of age/every 5 years
Availability and coverage of screening services	
Cervical cytology⁶	
	Generally available in the public and the private sectors
Visual inspection with acetic acid⁶	
	Generally not available in the public and the private sectors
Screening coverage	
	...

CANCER SCREENING	
Breast cancer	
Guidelines⁹	
Are there breast cancer screening guidelines available?	Yes
Guideline recommendations (tests/age groups/frequency)	Mammography/50-74 years of age/every 2 years
Availability and coverage of screening services	
Clinical breast examination⁶	Generally available in the public and the private sectors
Mammography⁶	Generally available in the public and the private sectors
Screening coverage	...
Colorectal cancer	
Guidelines¹⁰	
Are there colorectal cancer screening guidelines available?	Yes
Guideline recommendations (tests/age groups/frequency)	Fecal occult blood test, sigmoidoscopy or colonoscopy/50-75 years of age
Availability and coverage of screening services	
Fecal occult blood test or fecal immunological test⁶	Generally available in the public and the private sectors
Exam or colonoscopy⁶	Generally available in the public and the private sectors
Screening coverage	...

CANCER TREATMENT AND PALLIATIVE CARE			
Radiotherapy¹¹		Oral morphine⁶	
Availability of services in the public health sector? ⁶	Generally available	Availability in the public health sector?	Generally not available
Total energy teletherapy units/million inhabitants	3.2	Covered by health insurance or publically funded?	Yes
Total radiotherapy centers	6	Appears in the national list of essential medicines?	Yes
Radiation oncologists	15	Opioid consumption¹²	
Medical physicists	6	Total morphine equivalence, per capita	3.21
Chemotherapy⁶		Community/home care⁶	
Availability of services in the public health sector?	Generally available	Are community/home care services available in the public sector for people with advanced stages of NCDs?	Generally available

Notes: ...: Information not available; N/A: Not applicable.

Sources:

- (1) PAHO/WHO. Non communicable Diseases in the Americas: Basic Health Indicators 2011. Washington D.C, USA, 2011.
- (2) PAHO/WHO. Tobacco Control Report for the Region of the Americas, 2013. Washington D.C, USA, 2013.
- (3) WHO. Global Information System on Alcohol and Health, retrieved August 28, 2013, from <http://bit.ly/17zhuqZ>.
- (4) Ortiz. AP. HPV prevalence population-based study of 600 women 16-64 years, using self-sampling methodology (unpublished).
- (5) PAHO/WHO Mortality Database, 2012.
- (6) PAHO/WHO Survey on National Capacity for the Prevention and Control of Non-communicable Diseases, 2013.
- (7) PAHO/WHO Comprehensive Family Immunization Unit. Immunization Country Profiles, retrieved August 28, 2013, from <http://bit.ly/1dn4Td3>; Immunization Reported Coverage in the Americas, by vaccine, retrieved August 28, 2013 from <http://bit.ly/1dn59ZK>.
- (8) U.S: Preventive Services Task Force. Screening for cervical cancer. Current recommendation, 2012, retrieved August 28, 2013 from <http://bit.ly/cyDcWj>.
- (9) U.S: Preventive Services Task Force. Screening for breast cancer. 2009, retrieved August 28, 2013 from: <http://bit.ly/aJl6O7>.
- (10) U.S: Preventive Services Task Force. Screening for colorectal cancer. 2008, retrieved August 28, 2013 from: <http://bit.ly/f2eT5q>.
- (11) WHO/IAEA Directory of Radiotherapy Centers (DIRAC) Database, retrieved August 28, 2013 from <http://www.naweb.iaea.org/nahu/dirac/>.
- (12) University of Wisconsin. WHO Collaborating Centre for Pain Policy and Palliative Care, Opioid Consumption Database 2010, retrieved August 28, 2013, from <http://www.painpolicy.wisc.edu/countryprofiles/amro>.