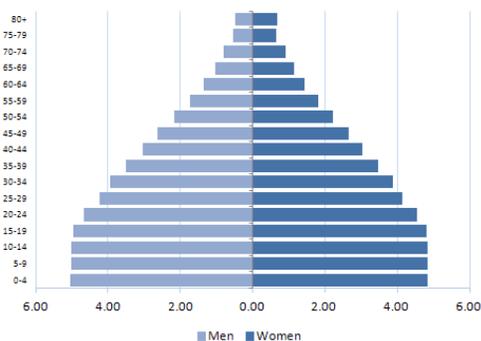


PERU

SOCIODEMOGRAPHIC INDICATORS¹



- **Total population:** 29,399,800
- **Average annual deaths:** 161,400
- **Life expectancy at birth (years):**
Total: 74 Male: 72 Female: 77
- **Adult literacy rate:** 89.6%
- **Gross national income US\$ per capita:** 4,200

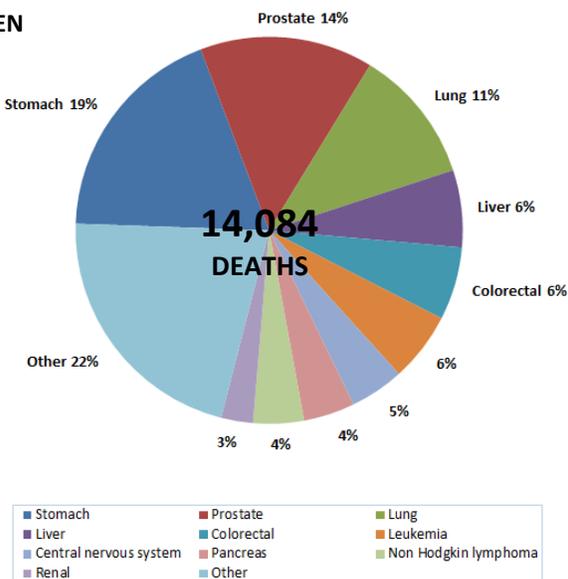
RISK FACTORS

Prevalence of:	Total (%)	Male (%)	Female (%)
Current tobacco smokers among adults ^{2,a}	13.3	19.7	7.8
Current use of any tobacco product among youth ³	19.4	21.5	16.5
Fruit and vegetable intake in adults ^{1,b}
Alcohol consumers, past 12 months ⁴	69.0	80.3	57.9
Low physical activity in adults ^{1,c}
Obesity among adults (BMI ≥ 30) ¹	16.5	11.1	21.7
HPV prevalence (women with normal cytology) ⁵	7.5

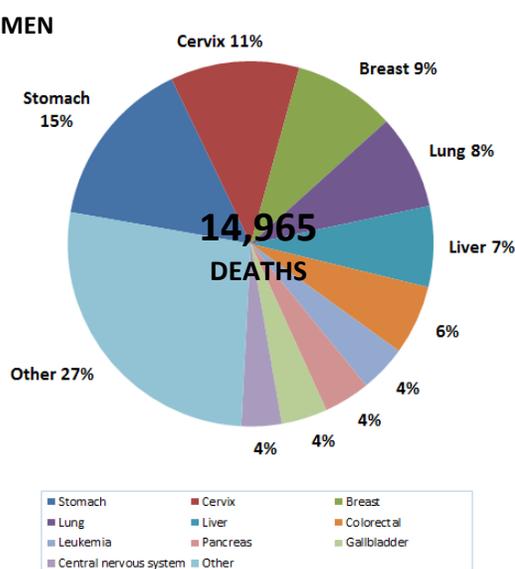
Notes: a: Adults 12-64 years of age; b: % who eat 5 or more servings of fruit and vegetables per day; c: % who are physically active for <600 met minutes; BMI: Body Mass Index; HPV: Human Papillomavirus.

CANCER MORTALITY PROFILE (2010)⁶

MEN

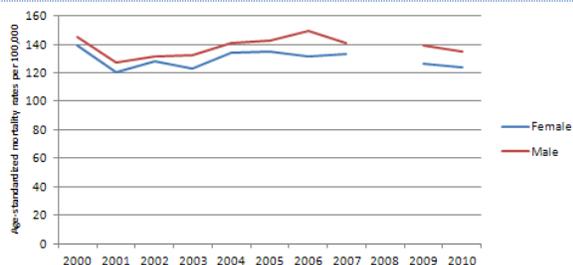


WOMEN

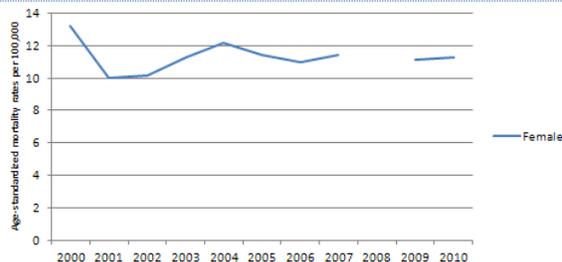


AGE-STANDARDIZED CANCER MORTALITY TRENDS (2000-2010*)⁶

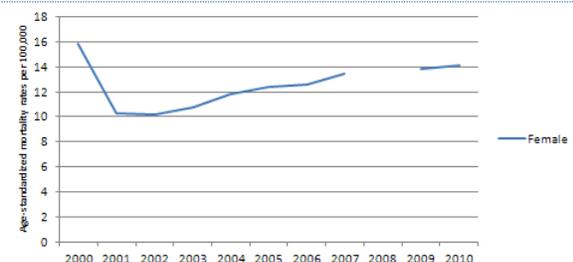
All cancer types except skin non-melanoma



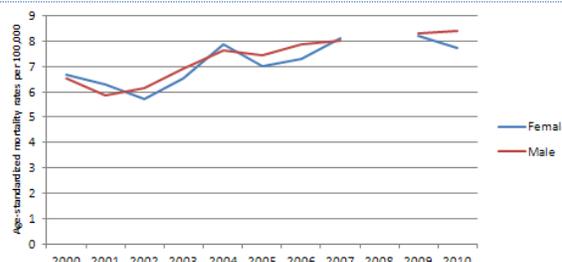
Breast cancer



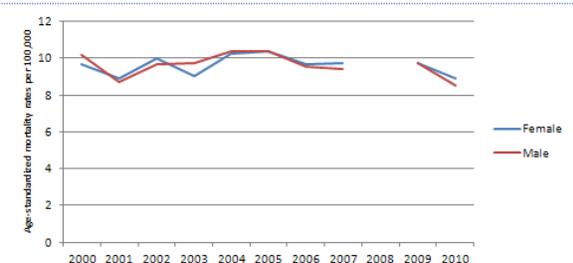
Cervical cancer



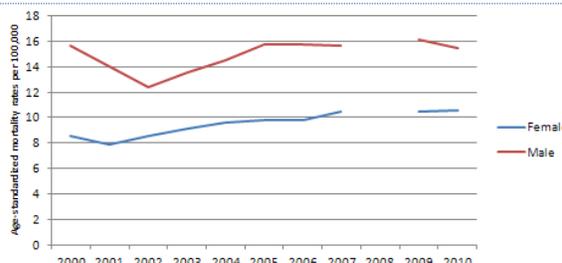
Colorectal cancer



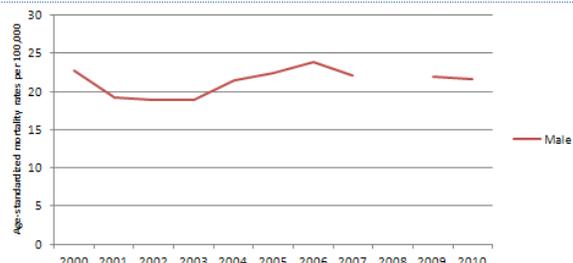
Liver cancer



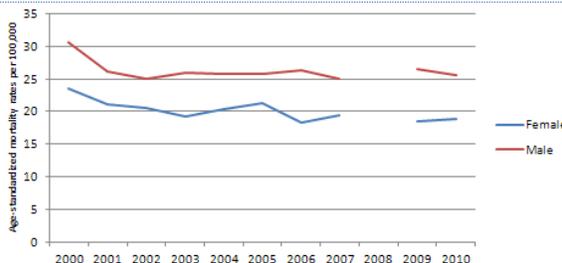
Lung cancer



Prostate cancer



Stomach cancer



Note: * Data was not available to PAHO for 2008.

Average annual percent change (AAPC) of age-standardized mortality rates, by cancer type (2000-2010) ⁶				
Cancer type	Sex	Number of deaths (2010)	ASMR (2010)	AAPC
All cancer types	Male	14,084	134.78	0.31
	Female	14,965	123.95	-0.21
Breast cancer		1,349	11.27	-0.13
Cervical cancer		1,707	14.16	0.2
Colorectal cancer	Male	859	8.42	3.54*
	Female	921	7.72	2.84*
Liver cancer	Male	908	8.49	-0.62
	Female	1,070	8.92	-0.09
Lung cancer	Male	1,583	15.50	0.0
	Female	1,252	10.54	2.79*
Prostate cancer		2,040	21.59	1.04
Stomach cancer	Male	2,632	25.64	-1.3*
	Female	2,261	18.93	-1.76*

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 REGISTRATION⁷

National integrated NCD policy, strategy or action plan	
Is there a national integrated NCD policy, strategy or action plan?	No
Is cancer included in the overall NCD plan?	N/A
First year of implementation	N/A
Cancer policy, strategy or action plan	
Is there a cancer policy, strategy or action plan?	Yes
First year of implementation	2012
Cancer registry	
Is there a cancer registry?	Yes
Scope (national vs. subnational)?	National
Type of registry (population vs. hospital based)?	Hospital based
Last year with available data	2010

CANCER PRIMARY PREVENTION POLICIES

Tobacco control³	
Smoke free environments?	All public spaces are completely smoke free
Raised taxes on tobacco?	Taxes are 42% of the final price
Health warning labels about the dangers of tobacco?	Large warnings with all appropriate features
Bans on tobacco advertising, promotion and sponsorship?	Complete absence of ban, or ban does not cover national television, radio and print media
Overweight and obesity prevention and control⁷	
Is there a policy, strategy or action plan for reducing overweight/obesity? (First year of implementation)	Yes (2005)
Harmful use of alcohol prevention and control⁷	
Is there a policy, strategy or action plan for reducing harmful use of alcohol? (First year of implementation)	No
HPV vaccination in national immunization program?⁸	
Year of introduction/target age group/delivery strategy	2011/girls aged 10 years/schools
Estimated 3-dose coverage (calendar year)	...
HBV vaccination in national immunization program?⁹	
Year of introduction/target age group	1998/newborn-2m-4m-6m; risk groups
Estimated 3-dose coverage (calendar year)	95%

CANCER SCREENING

Cervical cancer	
Guidelines	
Are there cervical cancer screening guidelines available? ¹⁰	Yes
Guideline recommendations (tests/age groups/frequency) ¹¹	Pap test/30-50 years of age/annual VIA/30-50 years of age/every 2 years HPV test/30-50 years of age/every 5 years
Availability and coverage of screening services	
Cervical cytology⁷	Generally available in the public and the private sectors
Visual inspection with acetic acid⁷	Generally not available in the public and the private sectors
Screening coverage¹¹	51.3% (2009)

CANCER SCREENING

Breast cancer	
Guidelines¹²	
Are there breast cancer screening guidelines available?	Yes
Guideline recommendations (tests/age groups/frequency)	BSE/women aged 20 years and older Mammography/women aged 40 years and older
Availability and coverage of screening services	
Clinical breast examination⁷	Generally not available in the public and the private sectors
Mammography⁷	Generally not available in the public and the private sectors
Screening coverage¹²	30% women aged 40 years and older with a mammogram
Colorectal cancer	
Guidelines	
Are there colorectal cancer screening guidelines available?	...
Guideline recommendations (tests/age groups/frequency)	...
Availability and coverage of screening services	
Fecal occult blood test or fecal immunological test⁷	Generally not available in the public and the private sectors
Exam or colonoscopy⁷	Generally not available in the public and the private sectors
Screening coverage	...

CANCER TREATMENT AND PALLIATIVE CARE

Radiotherapy ¹³		Oral morphine ⁷	
Availability of services in the public health sector? ⁷	Generally available	Availability in the public health sector?	Generally available
Total energy teletherapy units/million inhabitants	1.2	Covered by health insurance or publically funded?	Yes
Total radiotherapy centers	15	Appears in the national list of essential medicines?	Yes
Radiation oncologists	47	Opioid consumption ¹⁴	
Medical physicists	29	Total morphine equivalence, per capita	1.78
Chemotherapy ⁷		Community/home care ⁷	
Availability of services in the public health sector?	Generally not available	Are community/home care services available in the public sector for people with advanced stages of NCDs?	Generally not available

Notes: ...: Information not available; N/A: Not applicable; m: months; BSE: Breast self examination.

Sources:

- (1) PAHO/WHO. Non communicable Diseases in the Americas: Basic Health Indicators 2011. Washington D.C, USA, 2011.
- (2) WHO Report on the Global Tobacco Epidemic, 2013, retrieved August 28, 2013 from <http://www.who.int/tobacco>
- (3) PAHO/WHO. Tobacco Control Report for the Region of the Americas, 2013. Washington D.C, USA, 2013.
- (4) WHO. Global Information System on Alcohol and Health, retrieved August 28, 2013, from <http://bit.ly/17zhugZ>.
- (5) ICO. Information Center on HPV and Cancer, retrieved August 28, 2013, from <http://www.hpvcentre.net/>.
- (6) PAHO/WHO Mortality Database, 2012.
- (7) PAHO/WHO Survey on National Capacity for the Prevention and Control of Non-communicable Diseases, 2013.
- (8) Markowitz LE et al. Vaccine. 2012 Nov 20; 30 Suppl 5:F139-48.
- (9) 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>.
- (10) Ministry of Health of Peru. Norma técnica oncológica para la prevención, detección y manejo de lesiones premalignas del cuello uterino a nivel nacional. 2007.
- (11) Network of National Cancer Institutes of the South American Union (RINC/UNASUR). Informe preliminar reducido sobre la situación del control del cáncer de cuello uterino en 8 países de Latinoamérica. 2012
- (12) González-Robledo L.M et al. Acciones gubernamentales para la detección temprana del cáncer de mama en América Latina. Retos a futuro. Salud Publica Mex 2010;52:533-543.
- (13) WHO/IAEA Directory of Radiotherapy Centers (DIRAC) Database, retrieved August 28, 2013 from <http://www.naweb.iaea.org/nahu/dirac/>.
- (14) 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>.