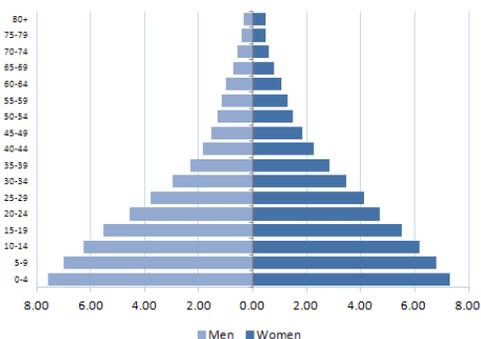


# GUATEMALA

## SOCIODEMOGRAPHIC INDICATORS<sup>1</sup>



- **Total population:** 14,757,300
- **Average annual deaths:** 80,500
- **Life expectancy at birth (years):**  
Total: 71 Male: 68 Female: 75
- **Adult literacy rate:** 74.5%
- **Gross national income US\$ per capita:** 2,650

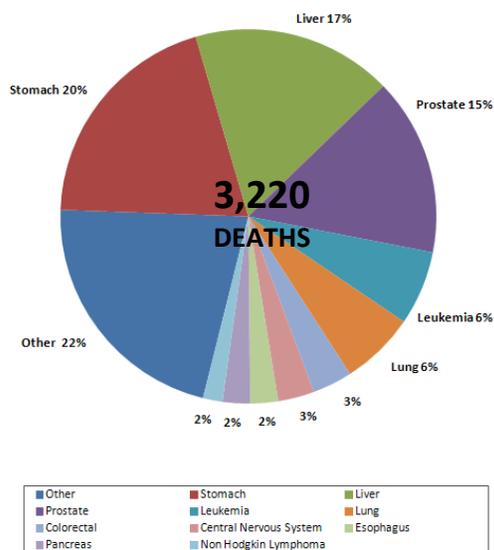
## RISK FACTORS

Prevalence of:	Total (%)	Male (%)	Female (%)
Current tobacco smokers among adults <sup>2,a</sup>	10.0	20.0	2.0
Current use of any tobacco product among youth <sup>2</sup>	16.6	19.7	13.3
Fruit and vegetable intake in adults <sup>1,b</sup>	19.0	20.4	18.1
Alcohol consumers, past 12 months <sup>3</sup>	22.8	41.6	5.8
Low physical activity in adults <sup>1,c</sup>	50.4	56.0	45.0
Obesity among adults (BMI $\geq 30$ ) <sup>1</sup>	21.3	16.0	25.8
HPV prevalence (women with normal cytology) <sup>4</sup>	...	...	33.2

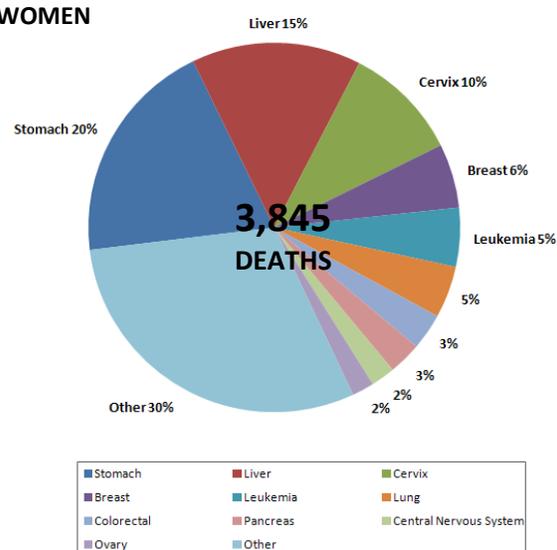
Notes: a: age-standardized prevalence of tobacco smoking in adults (15 years+), 2011; b: % who eat 5 or more servings of fruit and vegetables per day; c: % who are physically active for <600 met minutes; BMI: Body Mass Index; HPV: Human Papillomavirus.

## CANCER MORTALITY PROFILE (2009)<sup>5</sup>

### MEN



### WOMEN



\*Note: Cancer mortality data for Guatemala are only available to PAHO for 2005-2009, thus a mortality trend analysis was not possible.

## CANCER PLANS AND CANCER REGISTRATION<sup>6</sup>

<b>National integrated NCD policy, strategy or action plan</b>	
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	2010
<b>Cancer policy, strategy or action plan</b>	
Is there a cancer policy, strategy or action plan?	Yes
First year of implementation	2011
<b>Cancer registry</b>	
Is there a cancer registry?	Yes
Scope (national vs. subnational)?	Subnational
Type of registry (population vs. hospital based)?	Hospital based
Last year with available data	2010

## CANCER PRIMARY PREVENTION POLICIES

<b>Tobacco control<sup>2</sup></b>	
Smoke free environments?	All public spaces are completely smoke free
Raised taxes on tobacco?	Taxes are 49% of the final price
Health warning labels about the dangers of tobacco?	No warning or small warning
Bans on tobacco advertising, promotion and sponsorship?	Complete lack of ban, or ban does not cover national television, radio and print media
<b>Overweight and obesity prevention and control<sup>6</sup></b>	
Is there a policy, strategy or action plan for reducing overweight/obesity? (First year of implementation)	Under development
<b>Harmful use of alcohol prevention and control<sup>6</sup></b>	
Is there a policy, strategy or action plan for reducing harmful use of alcohol? (First year of implementation)	No
<b>HPV vaccination in national immunization program?<sup>7</sup></b>	
Year of introduction/target age group/delivery strategy	N/A
Estimated 3-dose coverage (calendar year)	N/A
<b>HBV vaccination in national immunization program?<sup>7</sup></b>	
Year of introduction/target age group	2005/newborn-2m-4m-6m
Estimated 3-dose coverage (2012)	96%

## CANCER SCREENING

<b>Cervical cancer</b>	
<b>Guidelines<sup>8,9</sup></b>	
Are there cervical cancer screening guidelines available?	Yes
Guideline recommendations (tests/age groups/frequency)	Pap test/25-54 years of age/every 3 years VIA/25-54 years of age/every 3 years
<b>Availability and coverage of screening services</b>	
<b>Cervical cytology<sup>6</sup></b>	Generally <b>not</b> available in the public sector and generally available in the private sector
<b>Visual inspection with acetic acid<sup>6</sup></b>	Generally available in the public sector and generally <b>not</b> available in the private sector
<b>Screening coverage</b>	...

CANCER SCREENING	
<b>Breast cancer</b>	
<b>Guidelines</b>	
Are there breast cancer screening guidelines available?	...
Guideline recommendations (tests/age groups/frequency)	...
<b>Availability and coverage of screening services</b>	
<b>Clinical breast examination<sup>6</sup></b>	Generally available in the public and the private sectors
<b>Mammography<sup>6</sup></b>	Generally <b>not</b> available in the public sector and generally available in the private sector
<b>Screening coverage</b>	...
<b>Colorectal cancer</b>	
<b>Guidelines</b>	
Are there colorectal cancer screening guidelines available?	...
Guideline recommendations (tests/age groups/frequency)	...
<b>Availability and coverage of screening services</b>	
<b>Fecal occult blood test or fecal immunological test<sup>6</sup></b>	Generally <b>not</b> available in the public sector and generally available in the private sector
<b>Exam or colonoscopy<sup>6</sup></b>	Generally <b>not</b> available in the public sector and generally available in the private sector
<b>Screening coverage</b>	...

CANCER TREATMENT AND PALLIATIVE CARE			
<b>Radiotherapy<sup>10</sup></b>		<b>Oral morphine<sup>6</sup></b>	
Availability of services in the public health sector? <sup>6</sup>	Generally available	Availability in the public health sector?	Generally <b>not</b> available
Total energy teletherapy units/million inhabitants	0.7	Covered by health insurance or publically funded?	No
Total radiotherapy centers	7	Appears in the national list of essential medicines?	No
Radiation oncologists	10	<b>Opioid consumption<sup>11</sup></b>	
Medical physicists	5	Total morphine equivalence ME/Per capita	1.19
<b>Chemotherapy<sup>6</sup></b>		<b>Community/home care<sup>6</sup></b>	
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 <b>not</b> available

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

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/17zhugZ>.
- (4) ICO. Information Center on HPV and Cancer, retrieved August 28, 2013, from <http://www.hpvcentre.net/>.
- (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) Ministry of Public Health and Social Assistance of Guatemala. Manual para el tamizaje del cáncer cervicouterino, retrieved August 28, 2013 from <http://bit.ly/16wfmix>.
- (9) PAHO/WHO. Cervical cancer prevention and control programs: A rapid assessment in 12 countries of Latin America. Washington D.C.: PAHO, 2010.
- (10) WHO/IAEA Directory of Radiotherapy Centers (DIRAC) Database, retrieved August 28, 2013 from <http://www.naweb.iaea.org/nahu/dirac/>.
- (11) 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>.

