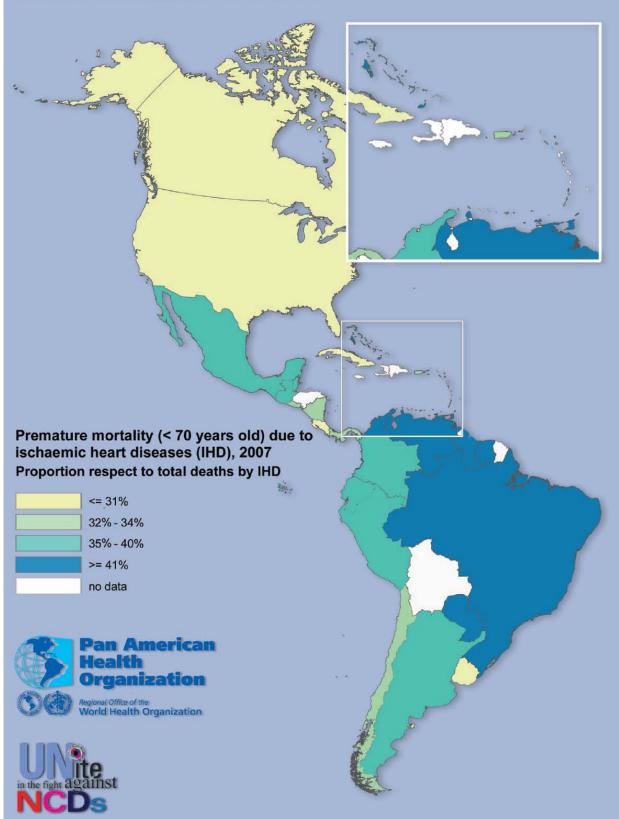
Non Communicable Diseases in the Americas

Basic Indicators 2011



preface

The Americas have been hit early and hard by the global noncommunicable diseases (NCD) epidemic. Despite the tremendous economic, social, and ethnic diversity of the Americas, no country or community has escaped unaffected.

Today, NCDs are the leading causes of death and disability, accounting for 75% of all deaths throughout the Region of the Americas. In the coming decades, these numbers are expected to continue to climb significantly. By 2030, a 42.4% increase in NCDs has been projected for the Region if current trends continue.

The NCD epidemic in the Americas has been triggered by fast paced demographic, economic, and societal changes that have driven NCD risk factors to reach unprecedented levels.

Although an increase in NCDs is expected in countries with growing numbers of elderly, the current pace and scale of the NCD epidemic cannot be attributed solely to ageing. Significant changes in lifestyle are now major determinants of risk and disease at all ages. Industrialization and urbanization are both primary drivers of risk, as is the globalization of products and consumption patterns. The consumption of cigarettes, alcohol, and industrialized foods high in fat, salt, and sugar, coupled with urban environments that fail to promote health and physical activity, are putting far too many lives at risk.

Socioeconomic and gender differences determine exposure to risks, access to timely treatment and care, and lack of financial resources, placing marginalized populations at a particularly significant disadvantage. The differences in disease and survival rates between countries and within counties are striking. Too many deaths from NCDs occur among people under the age of 70.

The importance of knowing and monitoring mortality trends as well as risk factors in relation to related regional and national policies and programs have become a priority that can no longer be overlooked.

Over the last decade, various countries in the Region have dedicated substantial resources to measure risk factor levels in their respective populations, to assess the influence of specific NCDs and risk factors on mortality, and to introduce policies and programs related to their control.

The Regional Strategy and Action Plan on an Integrated Approach to the Prevention and Control of Chronic Diseases has stressed the importance of NCD surveillance by dedicating a line of action to the subject. It offers a standardized approach to risk factor surveillance and a selection of indicators for monitoring the situation of NCDs in the Region.

This publication is another contribution of the Pan American Health Organization to raising awareness and encouraging effective action to reverse current trends. The assessment presented here, based on data compiled from both national and international sources, is the most complete to date of the Region's health situation: it highlights the burden of premature deaths already occurring and its unequal distribution throughout the Americas, the effect of NCDs on national life expectancy, the prevalence of risk factors among youth and adults, and the countries' capacity to respond through targeted programs and policies.

Through this effort, our overall objective is to provide an overriding case to countries and subregions for the need to continuously monitor the health situation on NCDs. Countries and subregions will be able to use this data to make informed decisions and to chart policies and interventions to combat risk factors, develop or improve national policies and programs, and, through these changes, vastly improve the quality of life for millions of people in our Region.

Dr. Mirta Roses Periago

Director

demographics and socioeconomic indicators

	1 Total Population	2 Average Annual Deaths	3T Life e	3M xpectency a	3F t birth	4T Adul	4M It Literacy F	4F Rate		5B onal Income er capita
	(Thousands)	(thousands)	Total	Years Male	Female	Total	Male	Female	Current US\$ Atlas Method	International \$ PPP adjusted
The Americas										
North America	24240.6	262.0	04.4	70.7	00.4				110000	27200.0
Canada Puerto Rico	34349.6 3745.5	262.8 29.1	81.1 79.2	78.7 75.2	83.4 83.1	 90.5	 89.9	 91.0	41980.0	37280.0
United States of America	313085.4	2621.7	78.6	76.0	81.2				46360.0	45640.0
Virgin Islands (US)	109.7	0.8	79.3	76.3	82.6					
Latin America and the Caribbean										
Latin America										
Mexico	114793.3	549.4	77.0	74.6	79.4	93.4	94.9	92.1	8960.0	14020.0
Central America with Dominican Republic (SICA)										
Costa Rica	4726.6	20.4	79.4	77.0	81.9	96.1	95.9	96.3	6260.0	10930.0
Dominican Republic	10056.2 6227.5	60.1	73.5	70.9	76.3	88.2	88.2	88.3	4550.0 3370.0	8110.0
El Salvador Guatemala	14757.3	41.0 80.5	72.3 71.3	67.4 67.7	76.9 74.8	84.1 74.5	86.8 80.0	81.8 69.5	2650.0	6420.0 4570.0
Honduras	7754.7	37.5	73.3	71.0	75.6	83.6	83.7	83.5	1800.0	3710.0
Nicaragua Panama	5869.9 3571.2	27.5 18.1	74.1 76.2	71.1 73.7	77.2 78.9	78.0 93.6	78.1 94.2	77.9 93.0	1000.0 6570.0	2540.0 12180.0
	3371.2	10.1	70.2	15.1	76.9	95.0	34.2	95.0	6570.0	12160.0
Andean Region (CAN) Bolivia	10088.1	72.9	66.8	64.5	69.1	90.7	95.0	86.8	1630.0	4250.0
Colombia	46927.1	260.6	73.8	70.2	77.5	93.2	93.1	93.4	4990.0	8600.0
Ecuador		74.5	75.7	72.8	78.7	84.2	87.1	81.5	3970.0	8100.0
Peru Venezuela	29399.8 29436.9	161.4 153.1	74.1 74.5	71.5 71.6	76.7 77.5	89.6 95.2	94.9 95.4	84.6 94.9	4200.0 10090.0	8120.0 12220.0
Southern Cone (MERCOSUR)										
Argentina	40764.6	315.6	76.0	72.2	79.7	97.7	97.7	97.7	7550.0	14090.0
Brazil Chile	196655.0 17269.5	1261.1 98.2	73.7 79.2	70.3 76.1	77.1 82.2	90.0 98.6	89.8 98.6	90.2 98.5	8070.0 9470.0	10160.0 13420.0
Paraguay	6568.3	36.1	72.6	70.6	74.7	94.6	95.7	93.5	2250.0	4430.0
Uruguay	3380.0	31.3	77.1	73.5	80.5	98.3	97.6	98.6	9010.0	12900.0
Caribbean Community (CARICOM)										
Anguilla	15.1	0.1	80.9	78.3	83.5					
Antigua & Barbuda	87.9	0.5	75.5	73.5	77.6	99.0	98.4	99.4	12130.0	17670.0
Bahamas Barbados	347.2 286.7	1.9 2.4	75.7 74.3	72.5 72.1	78.6 76.6					
Belize	317.9	1.2	76.1	74.7	77.6				3740.0	5990.0
Bermuda	68.7	0.5	80.7	77.5	84.0					
Cayman Islands Dominica	51.4 73.0	0.3 0.6	80.7 76.0	78.0 73.0	83.4 79.1	98.9	98.7	99.0	 4900.0	 8460.0
Grenada	108.4	0.9	73.0	70.5	75.8				5580.0	7710.0
Guyana	756.0	4.4	70.0	66.9	73.1		-		2660.0	3270.0
Haiti Jamaica	10123.8 2751.3	90.0 19.9	62.2 73.2	60.9 70.7	63.5 75.8	48.7 86.4	53.4 81.2	44.6 91.1	 4590.0	7230.0
Montserrat	5.1	0.0	73.2	75.0	71.2					
Saint Kitts & Nevis	50.3	0.4	74.6	72.3	77.0				10150.0	13640.0
Saint Lucia Saint Vincent and the Grenadines	161.6 103.9	1.1 0.7	76.8 74.2	74.2 72.3	79.7 76.1				5190.0 5130.0	8860.0 8830.0
Suriname	529.4	3.8	70.7	67.5	74.0	94.6	95.5	93.8	4760.0	6730.0
Trinidad & Tobago	1346.4	11.0	70.2	66.7	73.6	98.7	99.2	98.3	16700.0	24970.0
Turks & Caicos Islands Virgin Islands (UK)	44.8 25.4	0.1 0.1	79.1 77.6	76.4 76.3	82.0 79.0					
Other										
Aruba	106.1	0.8	75.7	72.7	78.8	98.2	98.2	98.1		
Cuba	11253.7	83.9	79.2	77.2	81.2	99.8	99.8	99.8	5550.0	
French Guinea Guadeloupe	237.1 463.1	0.9 3.3	76.5 79.8	73.2 76.0	80.4 83.4					
Martinique		3.2	80.5	77.2	83.6					
Netherlands Antilles	230.3	1.5	77.0	74.7	79.5	96.4	96.4	96.4		

premature mortality indicators

	6Т	6M	6F Ischaemi	7T : Heart Disea:	7M se (120-25)	7F	8	9T	9M	9F Cerebrova	10T ascular Disea	10M se (160-69)	10F	11
		y Rate under i r 100,000 pop			ears of life lo er 10.000 pop		Effect on life expectancy (Total)		Rate under ti 100,000 pop			of Life Lost (\).000 popula		Effect on life expectancy (Total)
	Total	Male	Female	Total	Male	Female		Total	Male	Female	Total	Male	Female	-
The Americas														
North America	28.4	42.6	15.1					9.1	9.9	8.3				
Canada	20.2	31.8	9.0	20.6	32.8	8.5	2.5	3.3	3.6	3.0	5.6	6.4	4.8	0.9
Puerto Rico	25.2	38.6	13.9	26.7	43.0	12.5	2.1	5.3	7.1	3.8	12.1	16.4	8.1	0.9
United States of America Virgin Islands (US)	29.4 29.4	43.9 46.6	15.8 13.6	32.8 29.3	49.8 48.5	16.5 12.1	2.9 5.3	5.0 9.4	5.6 8.6	4.5 10.1	10.0 16.8	11.1 22.6	9.0 11.6	0.9 0.9
	25.4	40.0	15.0	25.5	10.5	12.1	3.3	3.4	0.0	10.1	10.0	22.0	11.0	0.5
Latin America and the Caribbean														
Latin America														
Mexico	25.0	35.0	15.5	28.2	41.5	15.6	2.1	10.7	11.7	9.7	15.7	17.8	13.8	1.0
Central America with Dominican Republic (SICA)	19.7	25.3	14.6					6.5	7.7	5.4				
Costa Rica	20.9	29.2	12.7	19.4	28.8	9.9	2.7	5.7	5.8	5.6	8.3	7.8	8.9	1.1
Dominican Republic														
El Salvador Guatemala	25.6 16.2	33.9 19.8	19.0 13.0	33.7 23.5	43.9 29.8	25.8 18.0	1.5 0.8	4.3 3.5	4.6 4.1	4.1 2.8	13.0 15.5	14.4 16.5	11.8 14.5	0.6 0.5
Honduras		19.0		25.5	29.0	10.0	0.6	5.5	4.1	2.0				
Nicaragua	35.8	41.5	30.4	41.5	52.6	30.9	2.7	10.6	11.9	9.3	24.2	27.1	21.6	1.4
Panama	24.4	35.2	13.7	25.9	40.9	11.0	1.8	14.4	19.4	9.4	17.3	22.3	12.4	1.6
Andean Region (CAN)	32.3	45.5	20.1					15.6	17.2	14.1				
Bolivia Colombia	 38.2	 53.2	 25.0	 39.9	 57.1	 24.4	2.4	 17.8	 18.6	 17.1	 25.5	 27.1	23.9	 1.2
Ecuador	14.6	21.0	8.4	21.2	30.1	12.5	0.9	11.3	13.0	9.5	26.5	30.6	22.5	1.0
Peru	14.4	21.5	7.5	20.2	30.4	10.2	0.8	11.8	14.1	9.5	29.0	35.1	22.9	0.8
Venezuela	49.6	69.5	30.4	54.4	77.4	31.9	2.9	18.0	20.1	15.9	24.1	26.7	21.6	1.4
Southern Cone (MERCOSUR)	32.5	45.6	20.7					16.8	19.0	14.9				
Argentina	17.7	28.6	7.9	19.3	31.1	8.1 27.9	0.8	16.8	21.9	12.2	21.2	26.3 43.2	16.3 36.3	0.9 1.8
Brazil Chile	37.5 17.8	51.7 27.2	24.9 9.1	44.1 17.7	61.6 27.9	7.9	1.6 1.4	31.6 13.7	36.1 16.8	27.6 11.0	39.6 15.6	17.9	13.4	1.4
Paraguay	34.1	44.0	23.9	40.9	52.9	28.4	1.5	35.6	34.6	36.6	45.6	43.2	48.0	1.8
Uruguay	19.1	85.9	39.34					17.8	22.3	14.1				
Caribbean Community (CARICOM)	33.0	46.3	23.9					10.7	12.1	9.4				
Anguilla	14.2													
Antigua & Barbuda Bahamas	14.2 20.0	24.8 28.2	5.4 12.7	21.0	30.1	 12.7	1.4	11.9 11.0	20.7 11.0	4.4 10.9	26.4	 35.3	 18.1	1.4
Barbados	23.1	30.0	17.4					18.9	27.7	11.7	20.4			1.4
Belize	21.7	28.6	15.0	22.5	27.2	17.8	1.1	6.4	5.8	7.1	16.5	19.2	13.7	1.0
Bermuda	25.9	33.1	18.5					7.8	14.2	2.1				
Cayman Islands Dominica	9.8 18.6	17.0 25.5	3.2 12.0					4.1 6.5	8.3 3.4	0 9.7				
Grenada	23.9	27.5	20.8	33.0	41.3	25.4	0.9	9.0	16.7	2.5	25.0	35.4	15.7	1.1
Guyana	57.8	71.6	41.5					45.1	50.6	38.95				
Haiti Jamaica														
Montserrat	0	0	0					0	0	0				
Saint Kitts & Nevis	24.5	43.2	5.7					17.0	34.8	0.0				
Saint Lucia	12.0	21.6	3.4		 72.4	01.0		32.8	34.0	32.2	 E0.4	 EG 1		
Saint Vincent and the Grenadines Suriname	44.9 39.0	47.7 53.8	42.1 25.5	82.1 47.4	72.4 62.5	91.8 32.6	2.6 1.5	9.7 8.8	9.1 8.0	10.0 9.6	59.4 45.8	56.1 51.6	62.7 40.4	2.0 2.5
Trinidad & Tobago	53.6	77.5	33.1	55.0	84.6	28.6	2.1	13.6	16.1	11.6	29.1	32.7	26.1	1.2
Turks & Caicos Islands	0	0	0					0	0	0				
Virgin Islands (UK)	13.7	26.0	0					0	0	0				
Other	16.6	22.2	10.7	10.0	20.0	0.0	1.0	1.7	1.0	1.6	2.0	1.0	2.7	1.2
Aruba Cuba	16.6 35.1	23.3 46.7	10.7 24.0	18.8 35.5	28.8 49.9	9.8 21.5	1.0 2.8	1.7 17.0	1.9 20.1	1.6 14.1	2.8 19.0	1.8 22.4	3.7 15.6	1.3 1.4
French Guinea	35.1	40.7	24.0	35.5	49.9	21.5	2.0		20.1	14.1				1.4
Guadeloupe														
Martinique Netherlands Antilles				•••							•••			
ivectieridius Arittiles	•••		***	***	***		•••	•••		***	•••			•••

premature mortality indicators

12T	12M	12F Diabe	13T tes Mellitus	13M (E10-14)	13F	14	15T	15M	15F Chronic Resp	16T iratory Dise	16M eases (J40-	16F 47)	17
	rate under t 00,000 por			of Life Los 10.000 popu		Effect on life expectancy (Total)		rate under 100,000 p	r the age of opulation		of Life Lost).000 popu		Effect on life expectancy (Total)
Total	Male	Female	Total	Male	Female	-	Total	Male	Female	Total	Male	Female	-
7.4	9.0	5.8					8.0	8.7	7.3				
4.7 21.5	6.2 27.2	3.2 16.7	5.0 22.8	6.7 29.5	3.4 17.1	0.5 1.5	3.9 5.1	4.2 6.3	3.6 4.0	2.6 3.8	2.9 5.1	2.4 2.6	0.7 0.5
7.5	9.2	5.9	9.2	11.3	7.2	0.4	8.5	9.2	7.8	6.4	7.0	5.8	0.8
14.2	20.3	8.8	20.6	30.2	12.1	1.1	7.6	9.7	5.6	14.8	23.1	6.9	0.3
48.6	50.7	46.7	51.4	56.4	46.7	2.4	5.8	6.7	4.9	4.9	5.7	4.1	0.7
22.7	20.9	24.9					4.4	4.9	4.0				
7.8 	7.9 	7.7 	7.6 	7.8 	7.4 	0.6	3.7	4.2	3.3	2.8	3.5	2.1	0.9
22.6	20.8	24.0	28.1	26.5	29.5	0.9	4.1	4.0	4.3	3.5	3.5	3.4	0.3
28.1	25.3	30.7	36.2	34.6	37.8	0.9	3.8	4.0	3.7	3.8	4.4	3.3	0.2
 35.2	 33.9	 36.5	40.2	 40.5	40.0	1.3	6.7	8.4	 5.1	4.9	 6.5	3.4	0.5
14.0	13.3	14.6	12.2	13.1	11.4	0.9	4.4	5.2	3.7	3.9	4.8	3.1	0.4
15.5	16.3	14.7					6.4	7.6	5.3				
 12.3	12.2	12.2	12.0	12.0	 12.5			11.0	 7.6	7.0		 E 0	
22.2	12.3 23.0	12.3 21.4	12.8 26.7	13.0 28.1	25.3	0.6 1.0	9.6 2.4	11.8 2.7	2.1	7.8 2.2	9.9 2.4	5.9 2.2	0.8
9.2	10.7	7.8	10.2	11.9	8.6	0.4	3.8	4.3	3.3	5.1	5.6	4.7	0.2
23.9	25.0	22.7	24.0	25.2	23.0	1.0	6.1	7.1	5.3	4.6	5.4	3.9	0.4
15.9	16.4	15.4					8.7	10.7	7.0				
8.9 18.0	11.0 18.2	7.0 17.8	8.9 20.4	10.9 21.3	7.0 19.5	0.4 0.8	4.9 10.3	7.1 12.5	3.1 8.5	4.0 9.2	5.5 10.9	2.6 7.6	0.2 0.6
7.9	9.2	6.7	7.0	7.9	6.1	0.5	3.4	4.2	2.7	2.8	3.5	2.1	0.5
31.4	26.4	36.5	36.3	31.3	41.4	1.3	4.1	5.3	3.0	4.4	5.1	3.7	0.2
4.8	6.3	3.5					7.9	12.5	4.1				
38.7	57.7	35.1					4.7	6.7	3.0				
9.9 16.7	6.0 19.2	13.2 14.5	 16.9	 17.4	 16.7	1.1	2.7	2.7	2.7	2.9	0.6	5.3	0.2
28.9	37.1	22.6					2.9	3.1	2.7				
39.4	27.8	50.9	38.6	29.7	47.6	1.5				9.9	15.0	4.8	0.3
5.6	9.4	2.0					1.0						
0 9.5	0 9.8	0 9.2					1.9 12.8	3.8 18.4	0 6.1				
38.5	40.0	36.6	36.1	39.2	32.4	1.3	8.4	11.4	6.0	10.1	11.8	8.5	0.2
45.0	32.1	55.3					3.61	3.4	3.8				
104.0	136.0	89.2				•••	0	0	0			•••	
27.6	21.0	33.0					3.1	0.0	5.7				
25.6	22.11	28.7					4.23	8.9	0				
34.9	22.5	47.8	77.1	58.6	96.6	1.6	3.4	5.2	1.9	0.6	1.2		0.1
25.3	26.9	23.5	30.9	36.5	25.0	1.1	4.1	3.9	4.3	3.6	2.5	4.7	0.2
58.0 0	68.8 0	49.1 0	55.1	65.0	46.6	2.0	5.2 0	8.5 0	2.5 0	5.5	7.0	4.4	0.1
9.2	17.8	0					0	0	0				
6.3	6.6	E C	7.2	9.0	C.F.	0.0				0.0	0.0	0.0	0.1
6.2 7.5	6.6 6.5	5.9 8.4	7.2 8.2	8.0 7.8	6.5 8.5	0.8 0.3	8.5	 7.8	9.1	0.0 8.0	0.0 6.8	0.0 9.2	0.1 0.5
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premature mortality indicators

	18T	18M Cance	18F er of the C	19T olon and	19M d Rectum	19F (C18-20)	20	21T	21M Cancer	21F of the Lur	22T ng, Trach	22M ea and B	22F ronchi (C3	23 3-35)	24 Cancer of	25 the Breast (C	26 (50)
	age of	lity rate un f 70 per 10 populatior	00,000		tal Years Lost (YLL) ,000 pop	per 💮	Effect on life ex- pectancy (Total)	und 70	lortality der the a per 100 populati	ge of ,000	(YL	Years of l L) per 10 populatio	,000	Effect on life expectancy (Total)	Mortality rate under the age of 70 per 100,000 population	Total Years of Life Lost per 10,000 population	life ex- pectancy
	Total	Male	Female	Total	Male	Female		Total	Male	Female	Total	Male	Female		Female	- (YLL)	
The Americas																	
North America	5.8	6.9	4.7					18.5	21.8	15.4					11.6		
Canada Duorto Rico	6.3 5.3	7.8 7.6	5.0	17.6	22.4 22.4	12.9 9.2	1.2 0.8	16.2	15.8 8.5	16.6 3.8	14.8 5.5	13.9 7.3	15.7 3.9	1.1 0.3	11.8 10.0	15.8 14.8	0.4 0.5
Puerto Rico United States of America	5.7	6.8	3.4 4.7	14.1 17.9	22.4	12.9	0.8	6.0 18.9	22.7	3.0 15.4	5.5 17.0	19.9	14.4	1.0	11.6	15.6	0.5
Virgin Islands (US)				12.6	9.1	15.5	0.8				3.6	4.3	3.1	0.2		19.5	0.4
Latin America and the Caribbean																	
Latin America																	
Mexico	2.6	2.7	2.4	16.3	16.7	15.9	0.7	4.0	5.4	2.7	4.0	5.1	3.0	0.2	8.2	12.9	0.8
Central America with Dominican Republic (SICA)	3.0	3.2	2.7					3.6	4.7	2.7					6.3		
Costa Rica	3.3	2.7	3.9	20.0	23.0	16.9	1.3	3.1	4.1	2.1	3.0	4.1	1.9	0.2	9.4	13.1	0.5
Dominican Republic El Salvador	 2.4	 2.4	 2.4	24.0	25.7	 22.6	0.8	 3.9	3.8	 3.9	 5.0	 5.5	 4.6	 0.1	 6.8	 11.9	 0.5
Guatemala	1.4	1.6	1.2	34.5	32.3	36.4	0.9	3.1	3.8	2.5	4.3	4.8	3.9	0.1	2.9	4.5	0.3
Honduras				33.0	 37.2		0.9					6.5			 7.9		
Nicaragua Panama	2.7 3.7	3.0 4.0	2.4 3.3	19.5	21.0	28.9 18.1	0.9	3.8 4.7	5.4 7.5	2.2 2.0	4.4 4.9	7.4	2.4 2.4	0.2 0.2	9.1	13.9 14.5	0.2 0.3
Andean Region (CAN)	4.0	4.0	4.0					7.5	9.3	5.8					10.6		
Bolivia																	
Colombia Ecuador	4.5 2.4	4.5 2.2	4.6 2.5	28.6 26.1	33.3 27.9	24.4 24.4	0.9 1.1	7.8 3.3	10.1 3.8	5.7 2.7	7.8 4.1	10.1 4.6	5.8 3.5	0.3 0.2	11.8 6.5	17.5 10.2	0.5 0.2
Peru	3.2	3.3	3.1	35.3	36.8	33.9	1.1	6.3	7.4	5.3	7.8	8.5	7.2	0.3	8.7	13.5	0.3
Venezuela	3.2	3.0	3.3	19.5	21.8	17.4	0.7	10.4	12.7	8.1	11.2	13.2	9.2	0.4	12.6	17.9	0.5
Southern Cone (MERCOSUR)	4.9	5.2 8.3	4.6 5.1	23.3	28.4	18.6	0.8	10.0 13.3	14.0 21.1	6.5 6.4	13.9	20.5	7.6	0.4	12.9 14.9	20.3	0.6
Argentina Brazil	6.6 5.0	5.0	4.9	29.2	35.8	23.2	0.8	9.5	12.6	6.8	10.2	12.6	8.0	0.4	12.7	19.9	0.6
Chile	3.8	4.1	3.6	25.9	27.6 25.0	24.2 22.8	1.4 0.7	7.5	10.6	4.8	6.8	9.3 16.2	4.6	0.4	7.9 16.4	11.2 25.8	0.4
Paraguay Uruguay	4.7 7.82	4.9 9.8	4.4 6.1	23.9	25.0		0.7	8.7 17.8	13.6 31.4	3.7 6.1	10.3		4.2 	0.3	16.4	25.0	0.5
Caribbean Community	5.4	6.6	4.3					6.3	10.3	2.8					15.7		
(CARICOM) Anguilla																	
Antigua & Barbuda	4.9	10.6	0.0														
Bahamas Barbados	6.0 6.5	5.6 5.4	6.3 7.2	24.9	23.7	26.2	0.8	7.5 2.4	13.0 4.1	2.6 1.2	6.7	10.8	2.9	0.2	23.2 16.8	41.6 	0.4
Belize				27.8	30.2	25.4	0.8	7.6	10.7	4.5	6.7	8.3	5.1	0.2		2.2	0.2
Bermuda Cayman Islands	6.6 1.5	4.7 3.2	8.6 0					13.3 7.5	23.8 15.0	4.2 0					 6.3		
Dominica	4.6	6.6	2.8												15.5		
Grenada Guyana	 2.8	 2.8	3.0	23.8	39.7	8.3	0.7	3.2 1.8	4.1 1.8	2.5 1.7	1.6	2.9	0.6	0.2	 10.5	22.1	0.1
Haiti		2.0	5.0					1.0	1.0								
Jamaica																	
Montserrat Saint Kitts & Nevis	0	0	0					0	0	0					89.2 		
Saint Lucia	3.3	5.2	1.6					3.3	7.0	0					11.2		
Saint Vincent and the Grenadines Suriname	 2.5	 2.6	2.4	20.9 9.8	35.7 11.2	5.5 8.5	0.4 0.4	4.1 3.8	4.4 6.8	4.1 0.9	7.4 4.9	4.4 8.5	10.7 1.4	0.1 0.2	 9.4	11.5 13.6	0.2 0.3
Trinidad & Tobago	5.7	6.7	4.8	15.1	18.2	12.3	0.4	6.6	10.6	3.3	7.5	11.7	3.7	0.2	18.0	26.9	0.5
Turks & Caicos Islands Virgin Islands (UK)	0 4.0	0	0 8.5					0 4.69	0 8.6	0					0		
			0.5						0.0								
Other Aruba	4.9	6.8	3.1	14.6	24.3	6.0	0.9	8.0	14.1	2.6	9.3	14.3	4.9	0.4	20.8	27.2	0.8
Cuba	4.6	4.4	4.8	18.9	22.9	15.0	0.8	19.6	26.0	13.5	19.7	25.7	13.9	0.8	11.4	15.6	0.2
French Guinea Guadeloupe																	
Martinique																	
Netherlands Antilles																	

prevalence

27 Cancer	28 of the Cervix	29 (C53)	30T	30M Overwe	30F eight and	31T Obesity ir	31M Adults	31F	32 In Children	33T Diab	33M etes Mel	33F litus	34T H	34M ypertensi	34F on
Mortality rate under the age of 70 per 100,000 pop.	Total Years of Life Lost per 10,000 population	Effect on life ex- pectancy (Female)	weight	ence (%) : (BMI=25 mong adu	.0-29.9)		nce (%) o 30) amon		% of Children <5 overweight		nce(%) o iabetes m		raised blo BP≥140	od pressu	adults with re (systolic ic BP≥90) dication.
Female	· (YLL)		Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Total	Male	Female
1.6															
1.3	2.6	0.2	35.0	41.0	29.0	24.0	26.0	23.0	7.6	7.2	7.9	6.6	16.9	16.4	17.3
1.6	3.6	0.0	37.7	41.4	34.4	27.5	29.3	25.9		12.9	12.5	13.2	34.0	33.2	34.6
1.7 3.7	3.2 9.4	0.1 0.3	36.2 35.7	42.6 39.5	29.8 32.2	26.9 29.6	28.6 24.5	26.0 34.1	8.0	8.3 8.0	8.8 6.7	8.2 9.2	30.9	31.6	29.8
6.8	103	0.1		42.7	37.4		26.1	35.6	7.6				30.8	31.5	30.8
8.2															
3.4	6.0	0.2	36.1	37.2	34.8	26.0	21.2	31.0	9.6	7.9	8.3	7.6	25.6	26.1	25.0
3.4	6.0	0.2	54.3*	48.8*	34.8 38*	16.4*	12.7*	18.3*	9.6 8.3	7.9 5.5	2.2	2.8	16.8	4.9	9.8
8.0	13.9	0.1	38.3	44.3	34.7	23.7	19.9	27.1	5.8	7.6	8.7	6.8	20.1	21.4	19.0
6.5	11.6	0.3	38.5 34.9	38.8 36.6	38.2 33.2	21.3 19.3	16.0 15.5	25.8 24.5	5.6 5.8	8.2 5.4	8.8 5.5	7.7 5.4	13.6 23.0	12.7 24.4	14.4 21.2
17.6	32.4	0.5	37.5	36.5	38.7	29.1	23.8	34.2	5.0	9.8	5.5 9.1	10.5	28.9	25.4	32.2
7.0	12.2	0.2	23.2	19.7	25.1	3.0	2.0	4.1	6.2	5.4	4.3	6.0	22.0	17.8	24.8
10.3															
 8.9	 14.3	0.2	50* 32.3	40.4*	58.9*	18.9* 13.7	10*	27.1*	8.7 4.2	2.6	 3.2	2.1	37.8* 22.8	41.5* 27.8	34.1* 19.1
5.2	8.4	0.3	56.0*	 51.8*	60.2*	22*	 15.7*	28.2*	5.1	2.0		2.1	38.6*	42.7*	34.6*
10.8	17.7	0.3	47.9*	43.3*	52.2*	16.5*	11.1*	21.7*	9.8				34.3*	38.1*	30.6*
10.4	18.6	0.1	67.5*	67.9*	67.0*	30.8*	26.6*	34.8*	6.1				41.0*	46.3*	35.6*
5.65															
4.4 5.8	8.8 10.0	0.1 0.1	36.7 42.5	45.9 48.6	28.4 36.5	20.5 16.9	22.0 16.7	19.0 18.1	9.9 7.3	9.0 5.7	8.0 5.4	9.9 5.9	32.3 23.4	31.7 21.6	32.8 24.8
4.8	8.2	0.3	39.3	45.3	33.6	25.1	19.2	30.7	9.5	9.4	8.4	10.4	26.9	28.7	25.3
16.3	31.5	0.4	50.5*	50.9*	50.2*	31.3	28.5	25.4	6.3	9.5	8.5	10.2	39.8	34.9	28.2
4.2			36.7	40.7	32.5	19.9	19.4	20.5	9.4	5.5	6.2	4.7	31.9	32.6	31.4
7.7															
							10.1*			25.0	3.0	11.0	5.0	3.0	2.0
6.0	6.1	0.2	59.0* 33.9	54.4* 35.0	63.3* 22.7	25.8* 53.0	18.1* 42.5	33.1* 60.5		9.2	8.6	9.6	42.4* 37.5	47.1* 37.0	37.8* 38.4
2.4			36.7	34.3	38.8	28.5	20.3	35.5	5.7	11.7	10.4	11.7	29.1	23.0	34.7
15.9	26.5	0.4	72.3	66.1	78.1	37.9	26.7	48.8	13.7	13.1	8.3	17.6	28.7	28.6	24.4
2.0 0			38.3	47.5	30.1	23.8	21.2	26.2		12.7 7.9	12.3 6.4	13.0 9.3	25.3 25.2	23.1 25.0	27.3 25.5
9.0			24.9	20.9	 29.2	20.2	8.6	32.7		17.7	22.0	12.0	32.1	32.0	32.1
2.5	0.6	0.2											40.5*		
7.6			29.0 32.0	26.0 35.0	30.7 29.4	22.4 8.4	14.3 8.4	26.9 8.4	6.8 3.9				40.5* 40.9*	42.6* 43.7*	38.1* 38.3*
			26.4	25.8	27.0	25.3	12.4	37.7	7.5	12.2	9.8	14.6	35.3	33.8	36.9
0						45.0									
8.4			33.5 54.2*	36.2 44.1*	30.6 63.6*	45.0 22.3*	37.9 11.9*	52.5 31.9*	 4.3	7.6	4.8	10.4	35.0 41.8*	38.2 46.1*	31.9 37.6*
6.4	18.3	0.3	57.8*	51.8*	63.7*	25.1*	16.4*	33.5*					41.0	40.1	
6.9	14.9	0.2	58.4*	51.7*	64.8*	25.8*	16.5*	34.6*		19.5			33.0	34.2	26.7
8.3 0	10.6	0.2	64.7*	59.7*	69.6*	30*	21.6*	38*	4.9	 2.9	1.7	 4.3	31.1 4.6	34.8 3.2	27.7 6.2
0			39.2	45.0	32.2	35.5	28.4	43.9		12.1	11.8	12.2	36.4	41.0	31.1
4.7	2.5	0.2	26.2	20.4	26.2	40.0	40.7	20.0			F.C.	0.0		F0.1	24.4
4.7 5.7	2.5 10.6	0.2 0.2	36.2 42.5*	36.1 37.7*	36.3 47.0*	40.8 20.5*	46.7 13.3*	36.6 27.5*			5.6	8.0	28.8	50.4 26.7	31.1 31.0
					47.0	20.5									
													35.0	33.1	37.3
										6.5	4.7	8.1	23.0	20.0	25.0

adult risk factors indicators

	35T	35M	35F	36T	36M	36F	37T	37M	37F	38T	38M	38F
	Preva	Tobacco Us lence(%)of c	urrent		lcohol Inta : (%) of bin	ige drinking		and Vegetabl age of popula			Physical Ac (%) of adults	
	sm	okers of toba	icco	(4 or more	cula) amon drinks for v ks for me pe	vomen, 5 or	eat 5 or	more serving vegetables pe	s of fruits		active for < 6 minutes	
							T			-		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
The Americas												
North America Canada	22*	23*	20*		12.6	2.6				33.9*	32.3*	35.4*
Puerto Rico	10.6	13.8	7.7	10.6	12.0	2.0	17.7	17.1	18.3		52.5	55.4
United States of America	17.9	19.6	16.7	15.8	21.3	10.6	23.4	19.2	27.7	40.5	43.5	47.4
Virgin Islands (US)	6,4	8.1	5.0	11.7	16.5	7.7	28.6	25.6	31.2			
Latin America and the Caribbean												
Latin America												
Mexico	15.9	24.8	7.8		5.7*	2.9*				37.7*	37.1*	38.4*
Central America with Dominican Republic (SICA)	44.5	21.7			6.5	2.2	20.0	212	22.4	F0.0	20.1	
Costa Rica Dominican Republic	14.2	21.7 14.9	6.6 11.0	6.2 9.9	9.5 15.2	3.2 4.4	22.3 24.8	24.2 29.6	20.4 19.8	50.9 35.7	38.6 31.5	63.4 40.0
El Salvador	13.9	24.3	5.5	4.7	8.8	1.5						
Guatemala	19.5	35.2	4.4	6.9	13.1	1.2	19.0	20.4	18.1	50.4	56.0	45.0
Honduras Nicaragua	16.4 20.4	27.2 33.2	3.4 8.4	9.9 12.7	17.3 21.3	1.7 5.2						
Panama	9.4	17.4	4.0									
Andean Region (CAN)												
Bolivia		35.8	29.8							70.0		
Colombia Ecuador	12.8	19.5	7.4							79.0		
Peru	18.4	29.4	9.4		5.6*	0.3*						
Venezuela	18.0	22.6	13.6		•••							
Southern Cone (MERCOSUR)												
Argentina Brazil	30.5 16.7	35.8 20.4	25.9 13.7	8.4 19.0	14.3 28.7	3.2 10.6	4.6 18.8	4.1 16.0	5.0 21.3	54.5 12.1	52.2 14.7	56.5 9.9
Chile	40.6	44.2	37.1	29.7	52.2	25.5	15.7	13.0	18.4	27.1	22.2	31.7
Paraguay	15.3	24.9	6.5	15.8	27.5	3.9	6.3	10.7	9.2	48.7	49.3	48.1
Uruguay	36.0	40.8	31.7		17.4	7.9	15.1	14.9	15.1	35.1	29.0	40.7
Caribbean Community (CARICOM)												
Anguilla Antigua & Barbuda												
Bahamas	43.0	51.6	27.0									
Barbados	8.4	15.2	2.2	7.0	21.9	9.7	4.6	3.4	5.7	51.3	42.5	59.0
Belize Bermuda	10.5 14.8	19.1 18.6	1.7 11.4	7.6	13.1 35.1	2.7 14.5	 25.7	 19.9	30.4	42.7 24.0	40.4 26.2	45.0 22.1
Cayman Islands												
Dominica Grenada	10.2	16.6	3.2		31.4	8.5	8.7	8.9	7.4	24.0	14.5	34.3
Guyana												
Haiti 												
Jamaica Montserrat	14.5	22.1	7,2		15.0	3.0				15.7	12.2	19.2
Saint Kitts & Nevis	8.7	16.2	1.1		27.1	20.1	2.7	2.4	3.0	38.3	28.3	48.5
Saint Lucia Saint Vincent and the	•••	28.0	11.0		•••							
Grenadines		17.6	5.2									
Suriname Trinidad & Tobago	27.0	 36.5	 7.3		47.0	19.7						
Turks & Caicos Islands		30.5	7.3									
Virgin Islands (UK)	6.4	8.8	3.6		27.7	7.8	7.6	7.7	7.6	32.1	23.5	42.5
Other												
Aruba	16.2	22.4	11.2		66.5	42.1	2.4	1.5	3.1	45.8	41.6	49.2
Cuba French Guinea		44.8	29.6									
Guadeloupe												
Martinique Netherlands Antilles												

adolescent risk factors

		39T	39M	39F	40T	40M	40F	41T_	41M	41F	42T	42M	42F	43	44T	44M		45
		weigh	Ove nce (%) t (BMI> ng adole:	+1SD)	Prev obesi	valence	>+2SD) g	Preva adole: who	alence scents are to smoke	(%) of (13-15) bacco	Prevaler who ha active le	Physical A nce (%) or ove been p ss than 6 5-7 of th days	f children hysically O min per	Prevalence (%) of students who usually drank carbonated soft one or more times per day during the past 30 days	1	and veg intake	etable	Thoughts of Suide Prevalence (%) of adolescents who have had thoughts of suicide
		Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Total	Male	Female	Total
	The Americas																	
N	lorth America Canada							3.5	3.9	3.0								
	Puerto Rico	14.0	14.0	14.0	12.0	15.2	9.0				79.2	73.5	84.5		80.7	78.6	82.5	11.8
	es of America n Islands (US)	15.8 15.9	15.7 15.0	15.9 16.7	12.0 13.8	15.3 14.1	8.3 13.7	17.0	18.2	15.9	63.0	54.4	72.3 	29.2	77.7 75.4	76.1 74.4	79.5 76.2	13.8 15.9
Latin Am	erica and the Caribbean																	
L	atin America																	
	Mexico							28.6	27.8	28.5								
Central	America with																	
Dominican Re		27.8	28.7	27.3	8.9	10.2	7.6	9.5	10.4	8.4	72.6	64.1	81.0	53.0	19.5	21.4	17.6	10.2
Domin	ican Republic				0.9		7.0	14.9	18.4	11.9								
	El Salvador Guatemala	 27.1	26.8	 27.3	 7.5	9.4	 5.4	19.0 16.6	24.4 19.7	15.4 13.3	 75.9	 71.4	 80.8	 54.8	26.7	26.6	26.7	 13.8
	Honduras							20.4	22.8	18.2								
	Nicaragua Panama							25.1 8.4	30.4 10.5	20.5 6.5								
Andean F	Region (CAN)																	
	Bolivia Colombia							20.8	24.7	16.6 20.1	 84.9	 81.9	 87.2		 15.5	13.2	17.4	
	Ecuador	28.6	31.2	26.0	7.3	8.9	6.1	28.6	31.2	26.1	85.2	81.1	89.2		24.3	23.3	25.3	17.5
	Peru Venezuela	20.2	21.8	18.7	2.9	3.0	2.7	17.3	22.9 18.7	11.9 13.0	75.5	73.0	77.8 	53.6	9.8 16.7	9.3 16.9	10.2 16.5	10.6
	outhern Cone (MERCOSUR)																	
	Argentina Brazil	17.2 16.0	18.8	12.7	2.2 7.2	1.8	2.7	24.5 6.3	21.1	27.3 6.3	78.5 56.9	70.8 43.8	85.1 68.7		14.0	13.6	14.4	16.1
	Chile	26.3	31.7	21.0	4.2	4.9	3.4	34.2	28.0	39.9	79.9	72.6	87.4		23.2	23.1	23.2	21.9
	Paraguay Uruguay	14.2 14.8	18.1	11.8	8.0 2.2	2.8	1.6	36.8 19.0	 15.6	21.8	57.0 29.9	29.9	26.2		22.5	22.4	22.6	
Caribbea	n Community (CARICOM)																	
Antiq	Anguilla ua & Barbuda							6.1 7.4	7.5 8.2	4.3 6.1	68.2	63.5	 73.0	62.3 58.8	22.6 26.7	23.5 30.7	21.0	19.4 17.4
Anag	Bahamas							1.6	1.4	1.7								
	Barbados Belize							11.6 26.7	14.3 36.2	9.3 18.6								
	Bermuda							5.1	6.6	3.8								
Ca	ayman Islands Dominica	24.8	24.0	25.9	 9.1	8.8	9.6	10.9 17.2	13.5 19.3	7.8 13.5	84.0 76.3	80.2 75.2	88.3 77.4	55.8	16.5 26.4	19.3 29.2	13.5 23.4	19.0 20.6
	Grenada Guyana	 15.3	14.6	 15.9	 4.1	 4.6	3.6	4.7 12.0	7.0 17.4	3.0 6.8	84.8 78.7	81.9 76.2	86.9 80.9	 70.9	33.4 31.7	34.4 34.3	32.6 29.4	21.3 23.2
	Haiti							19.7	20.3	19.2								
	Jamaica Montserrat	21.7	18.1	25.2	6.0	5.3	6.7	20.2 12.5	22.5 10.2	17.7 13.6	21.2 77.1	17.1 77.9	25.3 76.4	72.5 	28.2	29.6	26.8	23.0 16.4
Saint	: Kitts & Nevis							18.8	20.4	15.7	19.7	13.6	24.9		16.2	19.7	12.8	
Saint Vi	Saint Lucia ncent and the					•••	•••	7.8	9.8	6.2	84.4	82.6	86.0		25.4	25.2	25.6	18.0
	Grenadines Suriname	 19.8	19.6	 19.9	6.7	6.4	7.0	8.5 12.1	12.0 14.0	5.1 10.1	86.7 45.6	84.4 44.4	88.6 46.7	 80.9	38.3 31.0	38.9 33.0	38.0 29.2	18.9 13.9
	dad & Tobago							9.3	9.7	8.7	81.0	75.9	86.1		24.6	24.8	24.3	18.1
	Caicos Islands n Islands (UK)	 36.9	 35.8	 37.8	 17.7	 17.5	 17.9	 5.7	7.3	4.3	62.1	 59.2	 64.5	63.9	 14.6	16.0	13.4	 15.7
	Other																	
	Aruba Cuba							1/1.6		 13.6								
F	rench Guinea							14.6	15.7	13.6								
	Guadeloupe Martinique																	
Nether	rlands Antilles																	

use of health service

	46	47	48	49	50	51	52	53	54	55	56	57	58
									onal Policy, Str				
	Percentage of		Percentage of	Integrated		Cancer	Diabetes		Alcohol			Overweight	
	population	women 25-64	women 45-64	NCDs	vascular				Consumption	Use	Diet	and Obesity	Inactivity
	covered by health	years who have had a Pap smear	who have had a		Disease			Disease					
	insurance	ilau a rap silleai	mammogram										
	iribarance		maninogram										
	Total	Total	Total										
The Americas													
Month Associat													
North America Canada	100.0			1/05	no	1100	1/05	1100	no	1400	1/05		1000
Puerto Rico	92.0	•••		yes	no	yes	yes	yes		yes	yes	no	yes
United States of America	83.3	73.8	76.0	yes	yes	no	yes	no	no	yes	no	no	yes
Virgin Islands (US)		82.4	68.9	,	,		,			,			,
Latin America and the													
Caribbean													
Lette Assessed													
Latin America													
Mexico	49.3			yes	yes	yes	yes		yes	yes	yes	yes	yes
Central America with													
Dominican Republic (SICA)													
Costa Rica	87.6			no	no	yes	no	no	yes	no	yes	yes	yes
Dominican Republic	21.0	54.4	17.6	no	no	no	no	yes		no	no	no	no
El Salvador	20.5			no	no	no	no	no	no	no	no	no	no
Guatemala	23.4			yes	no	yes	no	no	no	yes	no	no	no
Honduras Nicaraqua	11.7			no	no	yes	no	no		no	no	no	no
Nicaragua Panama	65.7			no	no	yes	no	no	yes	no	no	no	no
Fallallia	65.7	•••		no	yes	no	yes	no	no	no	no	no	no
Andean Region (CAN)													
Bolivia				yes	yes	yes	yes	no	no	yes	no	no	no
Colombia	84.9												
Ecuador	23.0	28.7	10.8	no	no	no	no	no	yes	yes	no	no	no
Peru	23.5			no		no	no	no	no	no	no	no	no
Venezuela	65.0			yes	yes	yes	yes	yes	yes	yes	yes	yes	no
C C													
Southern Cone (MERCOSUR)													
Argentina	62.0	60.5	59.6	yes	yes	yes	yes		no	yes	yes	yes	yes
Brazil	100.0	81.2	74.1	yes	yes	yes	yes	no	yes	yes	yes	yes	yes
Chile		62.5	35.2	yes	yes	yes	yes	no	no	no	yes	yes	no
Paraguay	21.7	45.4	13.7	yes	no	no	yes	no	no	yes	no	no	no
Uruguay	87.5			no	no	yes		no	no	yes	yes	no	no
Caribbean Community													
(CARICOM)	22.0												
Anguilla Antiqua & Barbuda	32.0			no	no	no	no	no	no	no	no	no	no
Antigua & Barbuda Bahamas	51.4					•••							
Banamas Barbados	25.0	94.4	46.3	ves	vec	no.	ves	 no	 no	no	VAS	no	ves
Barbados Belize				yes no	yes no	no no	yes no	no no	no no	no yes	yes yes	no no	yes no
Bermuda	96.0	97.9	98.8										
Cayman Islands													
Dominica		25.4	8.0	no	yes	no	no	no	no		yes		
Grenada													
Guyana				no	no	yes	no	no	yes	no	no	no	no
Haiti													
Jamaica	18.9			yes	no	no	no	no	no	yes	yes	yes	yes
Montserrat				no	no	no	no	no	no	no	no	no	no
Saint Kitts & Nevis		18.8		no	no	no	no	no	no	no	no	no	no
Saint Lucia	43.7			yes	yes	no	yes	no	yes	yes	yes	yes	yes
Saint Vincent and the													
Grenadines				•••							•••		
Suriname	34.7		3.0	no	no	no	no	no	yes	yes	no	no	no
Trinidad & Tobago	•••			no	no	no	no	no	no	yes	no	no	no
Turks & Caicos Islands Virgin Islands (UK)	•••	 26.1	 57.2	···					 no	•••	•••		
virgin islands (UK)		26.1	57.2	yes	no	no	no	no	no	•••			•••
Other													
Aruba	98.3	68.6	80.4										
Cuba	100.0			no	yes	yes	yes	yes	yes	yes	yes	yes	yes
French Guinea													
Guadeloupe													
Martinique													
Netherlands Antilles													

apacity of response indicators

59 Nati Reports Mortality due to NCDs	Reports Morbidity	61 urveillance Syst Reports NCD Risk Factors (population- based)		63 He Risk Factor and Disease Manage- ment	64 alth Services Support for Self-help and Self-care	65 Home- based care	66 100% smoke free enclosed environments in workplaces (including restaurants, bars, casinos, discothecs)	lncreased taxes and final price of tobacco products	68 Hea Strong warning labels on tobacco product packages (matching FTCT requirement).	69 Inth Promotion Implements initiatives to regulate the marketing of foods to children	70 Limited fat, salt and sugar content of processed foods	71 Obligatory school based physical educa- tion programs	72 Increased taxes and final price of alcoholic beverages
yes	yes	yes	no	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
yes	yes	yes	yes				no	 yes	yes	yes		no	
										•••			
yes	yes	yes	no	yes	yes	no	yes	yes	no	yes	yes	no	yes
,,,,	,,,,	,		,	,		,	,,,,		,	,		,
yes	yes	no	yes	yes			no	yes	yes	yes	no	no	no
yes yes	yes 		no no	yes yes	no no	yes no	yes no	yes yes	yes no	no no	no no	 yes	yes yes
yes	yes	yes	yes	yes	no	no	yes	yes	no	no	no	yes	
no yes	yes yes	no yes	no yes	yes yes	yes yes	no yes	no 	no yes	no no	no	no no	 yes	
			yes	yes	yes	no	yes	yes	yes		no	yes	no
no			no	VOS	no	no	vos	no	vos	no	no	voc	no
				yes 			yes 		yes 			yes 	no
yes	no	no	yes	yes	yes	yes	yes	yes	yes	yes	no	yes	yes
yes yes	no yes	yes yes	yes yes	no yes	no yes	no yes	yes no	yes yes	no yes	no no	no yes	no yes	no yes
yes yes	yes yes	yes yes	yes yes	yes yes	yes yes	no no	yes	no yes	no yes	yes yes	yes yes	yes yes	yes no
yes	yes	yes	yes	yes	no	yes	yes	no	yes	yes	no	yes	yes
yes yes	yes yes	yes yes	yes yes	yes yes	yes 	no	no yes	no yes	yes yes	no 	no no	no yes	no yes
,	,	,	,	,			,	,	7			,	,
voc	voc	200	voc	was	200	was	no	no		was		Voc.	no
yes 	yes 	no 	yes 	yes 	no 	yes 	no 	no 	no 	yes 	no 	yes 	no
yes yes	yes yes	yes no	yes yes	yes yes	no yes	no no	no yes	yes no	yes no	no no	no no	yes yes	no yes
 yes	 yes	 yes	 yes	 yes	 yes	 yes				 yes			
	,	,		,	,								
yes	yes	no	yes	yes	yes	yes	no	yes	no	no	no	no	yes
yes	yes	yes	yes	yes	yes	yes	no	yes	yes	no	no	yes	no
no	no		yes	yes	yes	yes		no	yes	no	yes	yes	no
yes yes	yes no	yes no	yes yes	yes yes	yes yes	no yes	no no	yes 	yes no	no 	no no	yes yes	yes
yes	 yes	no	 yes	yes	 yes	yes	no	 yes	no	no	no	yes	 yes
yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	no	no	yes	yes
			 yes	 yes	 no	 yes	 yes	no	no	 yes			 yes
			703	,	110	703	,	110	110	703			700
yes	yes	no	no	yes	yes	yes	no	yes	yes	no	yes	yes	yes

analysis

Prevalence of tobacco consumption, diabetes, and hypertension in the Americas in relation to World Bank GDP grouping and related policy or programs.

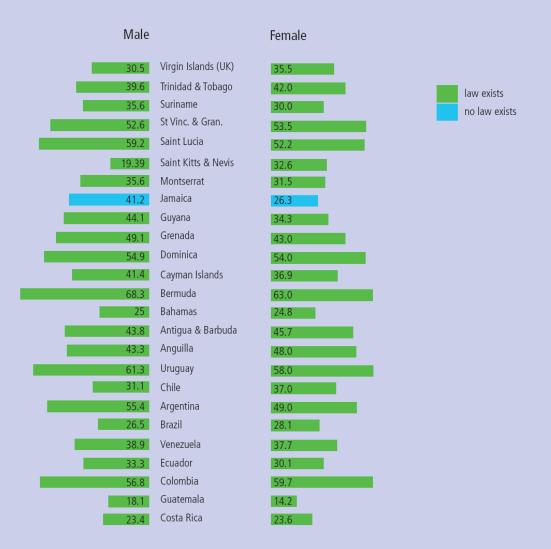
	Prevalence of tobacco	FCTC (tax)	Prevalence of DB	Program of DB or CVD	Prevalence of HA	Program of CVD & HA
Lower middle income group						
Belize	10.5	no	13.1	no	28.7	no
Bolivia		no		yes		yes
El Salvador	13.3	yes	7.6	no	20.1	no
Nicaragua	20.4	yes	9.8	no	28.9	no
Guatemala	13.5	yes	8.2	no	13.6	no
Guyana	16.4	yes		no	22	no
Honduras	16.4	no	5.4	no	23	no
Paraguay	15.3	no	3.5	yes	30.9	no
Upper Middle income group						
Argentina	30.5	no	3.6	VAS	34.8	VAS
Brazil	16.7	yes	5.8	yes yes	24.4	yes yes
Chile	40.6	no	11.5	yes	33.2	yes
Colombia	12.8		2.6	,	22.8	,
Ecuador	11.3	yes		no	28.1	no
Grenada		,				
Jamaica	14.5	yes	7.6	no	25.2	no
Panama	9.4	ýes	5.4	yes	22	yes
Peru	18.4	yes		no	22.8	
St Kitts and Nevis	8.67	yes	7.6	no	35	no
Surinam	27	no	19.5	no	33	no
Costa Rica	14.2	yes	7.3	no	25.6	no
Cuba		yes		yes	28.8	yes
Dominica	10.2		17.7	no	32.1	yes
Dominican Republic		yes	5.5	no	16.8	no
Mexico	15.3	yes		yes	30.8	yes
Uruguay	32.7	yes	5.5		30.4	no
Venezuela	18	yes		yes	31.2	yes
High Income group						
Bahamas	43		9.6		37.5	
Barbados	8.4	yes	11.7	yes	29.1	yes
Bermuda	14.8	yes	12.7	yes 	25.3	yes
Canada	20	yes	7.2	yes	16.9	yes
Puerto Rico	10.6	,	12.9	,	34	,
Trinidad & Tobago		yes		no		no
United States	17.3	yes	8.3	yes	30.3	yes
US Virgini Islands	6.4		8			
·	T	obacco DN	1 HA			
		<=24 <=	7 <=20			
		24–31 8–1	3 20–29			
		>=32 >=1	4 >=30			
		yes				
		no				
		.10				

By observing countries through their income stratification it is evident that those from the lower middle income group do not have national programs on diabetes or cardiovascular disease in place, compared to countries in the high income group that have tobacco policies as well as national DB and CVD programs in place.

Countries with the highest prevalence of selected RF (belonging to last tercile that corresponds to tobacco prevalence over 32 %, DB prevalence over 14% and hypertension prevalence over 30 +) with the exception of Argentina and Uruguay lack policies for tobacco control and/or national programs for diabetes and cardiovascular diseases.

analysis

Prevalence of alcohol consumption by sex among 13-15 years old in selected countries of the Americas in relation to law that ban alcohol sale to minors (2007)



There is a strong empirical support for laws to raise the minimum drinking age requirements for the purchase and consumption of alcoholic beverages. Most of the countries have regulations of this type. Jamaica is the only country that does not have a law that bans the sale of alcohol to minors.

Observing the high prevalence of alcohol consumption among adolescents, these laws need enforcement in the large majority of countries shown in the graph. Evidence exists that a moderate increase in enforcement can significantly reduce the sale of alcohol to underage youth and therefore consumption among this group.

technical definitions

- Introduction

 1. Selection of indicators was done following the PAHO Minimum data set for NCDs (www.paho.org/cncd_surveillance) and narrowing to indicators that can make a strong case on NCDs for country or Sub region.
- 2. Presented data are generated in the countries, either reported to PAHO (mortality, prevalence of diabetes, hypertension, obesity and overweight and country capacity of response to NCDs) or identified in official publications on national risk factor studies for adults and for adolescents. In the case of overweight and obesity in children under 5 or in the event that a country did not have data for certain risk factors, WHO
- 3. For all indicators, data were reported on the last available year (demographic and socioeconomic from 2010; mortality for 2007; RF and use of preventive services for the period 2005-2010; capacity of response from 2010)

Detailed sources by country are presented in PAHO NCD surveillance web page at the following link: http://new.paho.org/hq/index.php?option=com_content&task= view&id= 1930&Itemid=1708&lang=en

The publication presents data on the regional level, for all the Americas, for North, South America and Caribbean, as well as by groups of countries that form political integration

- Caribbean community (CARICOM) Antigua and Barbuda, The Bahamas, Barbados, Belize, Dominica, Grenada, Guyana, Haiti, Jamaica, Montserrat, Saint Lucia, St. Kitts and Nevis, St. Vincent and the Grenadines, Suriname, Trinidad and Tobago and associated members: Anguilla, Bermuda, British Virgin Islands, Cayman Islands and Turks and Caicos Islands
 Andean Region (CAN): Colombia, Ecuador, Peru, Bolivia and Venezuela
- · Central American integration system with Dominican Republic (SICA): Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama and Dominican Republic as associated member
- Southern Cone (MERCOSUR): Argentina, Brazil, Uruguay, Paraguay and Chile as associated member

Political integration movements' aggregates express average values weighted by respective denominators from only those countries reporting data from 2007.

Abbreviations:

- (...) data not available
- (*) WHO estimates used in absence of country data
- (0) -magnitude less than half the measurement unit

Definitions and inclusion criteria

Mortality indicators:

Premature mortality: is represented with the cut of point of 70 years and below. It is expressed in age and sex standardized rates.

Years of life lost YPLL were calculated from birth to age 70 based on the recorded age at death on year 2007, and age-adjusted using the WHO World Standard Population Distribution (%) for the years 2000 - 2025. The information presented is the index age — adjusted YPLL per 10,000 population. For additional technical details see "Age standardization of rates: a new WHO standard" at http://www.who.int/whosis/indicators/compendium/2008/1mst/en/index.html; and "Pan American Health Organization, Epidemiological Bulletin, Vol. 24 No. 2, pag. 1 — 4, June 2003" at http://www.paho.org/english/dd/ais/be_v24n2-APVP.htm. Because of incompleteness or inaccessibility to data some countries were not included.

Year(s) of Life expectancy gained in absence of specific disease is presented as potential expected gain in year (s) of life in the absence of a specific disease on a country's overall life expectancy. http://hiss.paho.org/morest

Prevalence of 4 conditions relevant for NCDs

Prevalence for 4 conditions for the adult population 25-64 years of age is reported or the following countries: Belize, Argentina, Chile, Uruguay, Aruba, Bahamas, Barbados, Bermuda, British Virgin Islands, Dominica, Grenada, Jamaica, St. Kitts & Nevis, St. Lucia, St. Vincent and Suriname. Other counties have used different age groups, such as 20+: Belize, Costa Rica, El Salvador, Nicaragua; 15+: Peru, Venezuela, Jamaica, Bolivia, Cuba, St. Lucia, and St. Vincent and the Grenadines. Where no nationally representative data exist, data from sub-national adult Risk Factor surveys is reported (Brazil 25-64, Guatemala 20+, Honduras 20+).

Prevalence of overweight (defined as BMI ≥ 25) in adults Prevalence of obesity (defined as BMI ≥ 30) in adults

BMI calculations come from nationally representative surveys with either measured height or weight data. (Aruba, Barbados, Jamaica, St. Kitts & Nevis, Chile, Colombia, Belize, BVI or self-reported height and weight data (Argentina, Paraguay). Data from sub-national Risk Factor surveys is reported (Brazil, Dominican Republic, El Salvador, Guatemala, Honduras, Nicaragua, Panama.

Prevalence of obesity and overweight among children under 5 years of age country data on prevalence above defined cut-off points for height and weights-for-age.

Prevalence of diabetes type 2 in adults: percentage of adult population at a given time with diabetes type 2 out of the total adult population of a given country, territory or geographic area. Diabetes prevalence is reported by country and is not age standardized. Data are reported from either measured plasma glucose data (Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama, Colombia, Chile, Uruguay, Bahamas, Barbados, Belize, Dominica, Jamaica, Aruba, Cuba) or self-reported data (Canada, Puerto Rico, United States, Argentina, Paraguay, Saint Kitts & Nevis, Virgin Islands UK). Where no nationally representative diabetes data exist, data from sub-national Risk Factor surveys is reported (Brazil, Dominican Republic, El Salvador, Guatemala, Honduras, Nicaragua, Panama).

Prevalence of Hypertension among adults includes those adult with systolic blood pressure ≥ 140 and/or diastolic blood pressure ≥ 90 or on medication for raised blood pressure. Prevalence of hypertension is reported by country and/or is not age standardized. Data are reported from either measured clinical data (Belize, Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama, Colombia, Chile, Uruguay, Bahamas, Barbados, Belize, Dominica, Jamaica, Aruba, Cuba) or self-reported data Canada, Puerto Rico, United States, Argentina, Brazil, Paraguay, Saint Kitts & Nevis, Virgin Islands UK). Where no nationally representative hypertension data exist, data from sub-national Risk Factor surveys is reported (Dominican Republic, El Salvador, Guatemala, Honduras, Nicaragua, and Panama).

Risk Factors among adults

Prevalence of consumption of 5 servings of fruit and vegetables is the proportion of persons who consume five or more combined servings of fruit and/or vegetables a day at a given time in a given country (25-64 Costa Rica, Argentina, Chile, Uruguay, Aruba, Barbados, Bermuda, Dominica, St. Kitts and Nevis, British Virgin Islands.) (18+: Puerto

Rico, United States, Dominican Republic, Guatemala, Ecuador, US Virgin Islands) All data for this indicator is nationally representative.

Prevalence of current tobacco consumption is the proportion of current tobacco years of age among the national adult population at a given time in a given country (25-64 Costa Rica, Argentina, Chile, Uruguay, Aruba, Bahamas, Barbados, Bermuda, Dominica, St. Kitts and Nevis, Suriname, and British Virgin Island). (18+: Puerto Rico, United States, Dominican Republic, Panama, Colombia, Ecuador, US Virgin Islands; 20+: Belize, El Salvador, Nicaragua; 15+: Peru, Venezuela, Jamaica, Bolivia, Cuba, St. Lucia, St. Vincent and the Grenadines). Data from sub-national adult Risk Factor surveys is reported (Brazil 25-64, Guatemala 20+, Honduras 20+)

Prevalence of Insufficient Physical Activity was defined as not meeting one of the following criteria:

• at least 30 minutes of moderate-intensity activity or walking per day on at least 5 days in a typical week; or at least 20 minutes of vigorous-intensity activity per day on at least 3 days in a typical week; or engaging in 5 or more days of any combination of walking, moderate- or vigorous-intensity activities achieving a minimum of at least 600 metabolic equivalent (MET)-minutes per week.(25-64 Costa Rica, Argentina, Chile, Uruguay, Aruba, Barbados, Bermuda, Dominica, St. Kitts and Nevis, British Virgin Islands.). Where no data for that adult age-group exist, national prevalence among a different adult age-group is reported (18+: Dominican Republic, Ecuador, Canada, Mexico, Belize) Where no nationally representative data exist, data from sub-national adult Risk Factor surveys is reported (25-64 Brazil, Guatemala 20+,)

Prevalence of excessive alcohol consumption (binge drinking) proportion of who, if male report drinking 5 or more drinks on one occasion and if female report drinking 4 or more drinks on one occasion and if female report drinking 4 or more drinks on one occasion (25-64 Brazil, Argentina, Chile, Uruguay, Aruba, Barbados, Bermuda, Dominica, Jamaica, St. Kitts and Nevis, Suriname, British Virgin Islands). (18+: United States, Dominican Republic, Belize, Ecuador; Canada, Mexico Dominican Republic, Peru) sub-national adult Risk Factor surveys is reported (Costa Rica, El Salvador, Honduras, Nicaragua).

Risk factors among Adolescents were reported among group of 13-15 years of age from the results of Global Student Health Survey.

Prevalence of adolescents' tobacco consumption: the proportion of students 13-15 years of age who smoked cigarettes on one or more days during the past 30 days. Prevalence of adolescents' fruits and vegetables consumption: Prevalence of students 13-15 years of age who usually ate fruits and vegetables five or more times per day during the past 30 days. Prevalence of adolescents' consumption of soft drinks

Prevalence of students 13-15 years of age who usually drank carbonated soft drinks one or more times per day during the last 30 days Prevalence of adolescents' physically in active: Prevalence of students 13-15 years if age been physically active less than 60 min per day in 5-7 of the last 7 days Prevalence of adolescents' considering suicide: Prevalence of students 13-15 years of age who in the past 12 months have ever seriously considered attempting suicide

Prevalence of adolescents with overweight &obesity: *Self reported height and weight of students was used to determine weather student is overweight or obese using WHO growth reference for school-aged children and adolescents. For more information, visit www.who.int/growthref.

Population covered by any kind of health insurance:

Existence of health insurance is considered as protective factor for the individual. It is expressed as percent of population covered by any kind of health insurance.

Preventive health services use:

Prevalence of women who had mammogram: ages 40-69 who have had a mammogram within the last 2 years: United States, US Virgin Islands or ages 40-69 who have had a mammogram within the last 3 years: Dominican Republic, Ecuador (45-64 years who have ever had a mammogram: Aruba, Barbados, Bermuda, Suriname, British Virgin Islands, Dominica

Prevalence of women who had Pap smear test: 25-64 years who have had a Pap smear within the last 3 years: Aruba, Barbados, Bermuda, St, Kitts and Nevis, Dominica and 18+ who have had a pap smear within the last 3 years: United States, Dominican Republic, Ecuador, US Virgin Islands

Country capacity to respond to NCDs included following indicators:

- 1. National Policy, Strategy or Action Plans in operation on NCD, CVD, Cancer, Diabetes, COPD, Tobacco, Alcohol, Diet or Nutrition, Physical inactivity,
- 2. Components included in the National Health Surveillance System (spec. mortality, morbidity, RF in adults and adolescents
- 3. Components of national Health Services (RF, management of diseases, self help, self care, home based care)
- Components of Health promotion (Healthy public policies re tobacco, nutrition, alcohol:
 Counties reporting having regulated 100% smoke free enclosed environments in workplaces (including restaurants, bars, casinos, discothèques)Counties reporting having increased taxes and final price of tobacco products; Counties reporting having strong warning labels on tobacco product packages (matching FTCT requirement); Counties reporting having implementing initiatives to regulate the marketing of foods to children; Counties reporting having regulated limited fat, salt and sugar content of processed foods Counties reporting having obligatory school based physical education programs; Counties reporting having tax on alcohol

Information presented in this publication is under ongoing review. Users are advised to consult detailed data sources. Mortality data sources were defined to ensure comparability, therefore statistics can slightly differ from national statistics. Prevalence data are compiled from counties official sources as reported, so they do not serve for comparison between counties. It is expected to repeat this publication every 3 years.

Suggested citation:

Pan American Health Organization, Non communicable Disease project & Health Information and Analysis project & Sustainable Development and Environment area: Non communicable Diseases in the Americas: Basic Indicators 2011, Washington DC, United States of America, 2011