DEPARTAMENTO DE SALUD
GOBIERNO DE PUERTO RICO

PUERTO RICO COMMUNITY HEALTH ASSESSMENT :

SECONDARY DATA PROFILE

PUERTO RICO COMMUNITY HEALTH ASSESSMENT: SECONDARY DATA PROFILE

September 28, 2012

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Disclaimer:

The results of this this Community Health Assessment are those of the authors and do not necessarily represent the official position of or endorsement by the Centers for Disease Control and Prevention.

[1]This Community Health Assessment was developed by the staff of the Puerto Rico Institute of Statistics, with collaboration from the Secretariat of Planning from the Puerto Rico Department of Health, on September 2012

Executive Summary

This community health assessment contains data from 2000 to 2011. The main findings are:

- **Sociodemographic profile**
  - The population of Puerto Rico decreased from 3,808,610 in April 1, 2000 to 3,725,789 in April 1, 2010. Population estimates for 2011 indicate that the population continues to decrease.
  - The population structure of Puerto Rico got older. The population 65 years of age and older increased from 11.2% in 2000 to 15.2% in 2011.
  - Between 2006 and 2010, there were 69,615 grandparents householders responsible for their grandchildren who were younger than 18 years of age.
  - Nearly 31% of households in Puerto Rico had at least one person with 65 years of age or more.
  - Almost 74% of household in Puerto Rico are family households. Among the latter, 60%s are families of married couples.
- **Socio economic profile**
  - During 2011, the median household income in Puerto Rico was $18, 660, nearly half of Texas, which is the state with the lowest median household income ($36,919.00).
  - Male householders with no spouse present had the highest median family income.
  - The labor participation rate decreased from 46.2% in 2000 to 40.5% in 2010.
  - The unemployment rate was 16.1% in 2011.
  - The poverty level for all people in Puerto Rico was 45.6%.
  - Families of female householders without husband present are poorer than other types of family.
  - A higher percentage of females have a bachelor degree or higher education than males.
- **Health profile**
  - Live births rate decreased nearly 28% in the past 11 years.
  - There was a slight increase of 4% in mortality rates.
  - Between 2009 and 2010, there were only nine municipalities with an increase in their live births rates.
  - In 2010, Mayaguez had more deaths than live births.
  - The first three leading causes of death in Puerto Rico are heart diseases, malignant neoplasms, and diabetes mellitus.
  - Cancer deaths are almost similar than deaths by heart diseases.
  - Alzheimer's disease became the fourth leading cause of death during the decade, accounting for 6.4% of all deaths.
  - In 2010, non-intentional accidents and homicides were among the leading 10 causes of death.
  - From 2000 to 2010, non-intentional accidents and homicides accounted for 7.9% of all deaths that occurred during that period.
  - The prevalence of overweight and obesity continued to increase during the decade.
  - The prevalence of tobacco use had a decreasing trend; however, this changed in 2010.

  - Since 2002, the prevalence of current asthma in women has doubled or almost doubled the prevalence of men.
  - There are more incident cases of Chlamydia in females than males.
  - During the first years of the decade, there have been more gonorrhea cases in males than females. However, this pattern changes during the decade.
  - Primary and secondary syphilis incidence is higher in males.
  - For both males and females HIV/AIDS cases, the age group with a higher proportion is 25 to 34 years.
  - Dengue epidemics occurred in 1998, 2007, and 2010. Among these, the 2010 epidemic had the highest incident rate.
  - The percent of the population who have a disability is 20.8%. Among people with 65 years of age or older, this percent is 51.7%.
- Health care access profile
  - In 2011, 7.6% of the non-institutionalized civilian population in Puerto Rico had no health insurance coverage.
  - By 2009, in 66 hospitals there were of 8,660 hospital beds in use.
  - For 2007-2010, there were 9,424 physicians in Puerto Rico; this represents a reduction of 4.5% since 2004.
  - There are two health insurance companies providing services to the population under Mi Salud, Puerto Rico's public health insurance.
  - The population covered by the public health insurance decreased in 2007, and since then has begun to increase.
  - The age group with the most public beneficiaries is the group aged 15 to 19 years, followed by age groups 10 to 14 years, and younger than 5 years of age.
  - Mi Salud has 488 Primary Medical Groups (PMGs).
- Mental health services profile
  - The median length of hospital stay in adults is 20 days.
  - The readmission hospitalization rate for non-forensic patients within 30 days is 10.1%.
  - During fiscal year 2011, the Mental Health and Substance Abuse Services Administration (served 21,039 patients for mental health services.
  - The prevalence of binge drinkers is higher in age groups 18 to 34 years.
  - The lifetime prevalence of marijuana use in 2008 for adults was 18.5%.
  - The second most used drug in adults is cocaine (6.9%), followed by sedatives (4.9%).
  - In adolescents, the prevalence of smoking a cigarette prior 13 years of age decreased from 12.8% in 1991 to 4.4% in 2011.
  - The highest prevalence of drug use in adolescents was in marijuana (10.2%), followed by inhalants (9.6%).

Table of Contents

Executive Summary ____ *ii*

I. Introduction ____ *1*

II. Socio demographic profile ____ *2*

A. Population estimates for Puerto Rico and municipalities ____ 2

B. Age distribution for Puerto Rico and median age of municipalities ____ 8

C. Sex distribution for Puerto Rico and municipalities ____ 8

D. Household composition for Puerto Rico and selected municipalities ____ 9

E. Grandparents householders responsible for grandchildren: Puerto Rico and selected municipalities ____ 17

III. Socioeconomic profile ____ *18*

A. Income estimates for Puerto Rico and selected municipalities ____ 18

B. Employment estimates for Puerto Rico and selected municipalities ____ 21

C. Poverty level for individuals, Puerto Rico ____ 23

D. Educational attainment for population 25 years or more, Puerto Rico and selected municipalities ____ 27

IV. Health profile ____ *29*

A. Vital events ____ 29
1. Births ____ 29
a) Maternal and child health ____ 29
(1) Teens birth rate for Puerto Rico and selected municipalities ____ 29
(2) Infant with low birth weight for Puerto Rico and municipalities ____ 30
(3) Infant mortality rate for Puerto Rico and selected municipalities ____ 30

B. Mortality ____ 44
1. Cancer ____ 44
2. Violent deaths ____ 44

C. Morbility ____ 54
1. Risk factors ____ 54
2. Overview of diseases ____ 55
3. Sexually transmitted diseases (STD) ____ 61
4. HIV/AIDS ____ 66
5. Dengue fever ____ 71
6. Tuberculosis (TB) ____ 74

D. Disability ____ 75

V. Health care access profile ____ *76*

A. Health insurance coverage 76
B. Hospital beds and hospitals 76
C. Available doctors 76
D. Population with Mi Salud insurance 80
E. Mi Salud Primary Medical Groups (PMGs) and providers 86
F. Services used by people with Mi Salud insurance 92
VI. Mental health and substance abuse services profile 96
A. Total number of licensed facilities offering mental health services 96
B. Characteristics of mental health measures 96
C. Total number of clients served by ASSMCA 96
D. Adult substance use for Puerto Rico 105
E. Adolescent substance use for Puerto Rico 111
VII. Bibliography 114
VIII. Appendix 115

List of Tables and Figures

Demographic Profile.....
Figure 1 Puerto Rico Population Estimates by sex, 2000 3
Figure 2 Puerto Rico Population Estimates by sex, 2005 3
Figure 3 Puerto Rico Population Estimates by sex, 2010 4
Figure 4 Puerto Rico Population Estimates by sex, 2011 4
Table 1 Annual Estimates of the Resident Population by Sex and Age for Puerto Rico April 1, 2010 to July 1, 2011..... 5
Table 2 Population and Median Age for Municipalities with the Lowest and Highest total median age, 2011 . 7
Table 3 Lowest and Highest Percentage of Municipalities with Households with a Person younger than 18 Years of Age, Puerto Rico, 2006-2010..... 10
Table 4 Lowest and Highest Percentage of Municipalities with Households with a Person with 65 Years of Age and Older, Puerto Rico, 2006-2010..... 10
Table 5a Highest and Lowest Household Average Size by Municipalities, Puerto Rico, 2006-2010..... 11
Table 5bHighest and Lowest Family Average Size by Municipalities, Puerto Rico, 2006-2010 11
Table 6 Household Composition for Puerto Rico and its Municipalities, Puerto Rico 2006-2010..... 12
Table 7a Lowest and Highest Percentage of Municipalities with Nonfamily householders living alone, Puerto Rico, 2006-2010 16
Table 7b Lowest and Highest Percentage of Municipalities with Nonfamily householders 65 years of age and older living alone, Puerto Rico, 2006-2010 16
Table 8 Lowest and Highest Percentage of Municipalities with Grandparents Householders who were Responsible for Grandchildren Younger than 18 years of Age, Puerto Rico 2006-2010 17
Socioeconomic Profile .....
Table 9 Income in the Past 12 months (in 2011 Inflation-Adjusted Dollars), Puerto Rico 2011 19
Table 10 Lowest and Highest Median Earnings and Income (in Dollars) by Municipality, Puerto Rico, 2006-2010..... 20
Table 11 Lowest and Highest Labor Participation Rate by Municipality, Puerto Rico 2006-2011 21
Table 12 Lowest and Highest Unemployment rate by Municipalities 2011..... 22
Table 13 Poverty Rates for Families and Persons, Puerto Rico 2011 24
Table 14 Lowest and Highest Poverty Rates for All Families by Municipalities, Puerto Rico 2006-2010 25
Table 15 Poverty Rates for All People by Municipalities, Puerto Rico 2006-2010 26
Table 16 Educational Attainment for Puerto Rico, 2011..... 27
Table 17 Lowest and Highest Municipalities with Population over 25 years of Age having Bachelor's Degree, Puerto Rico 2010-2011..... 28
Health Profile.....
Table 18 Vital Statistics in Puerto Rico, years 2000 to 2010 31
Figure 5 Vital Events, Puerto Rico 2000-2010 32
Figure 6 Marriages and Divorces, PR 2000-2010 33
Table 19 Birthweight of Newborns by Mothers' Municipality of Residence, Puerto Rico 2010 34
Table 20 Live Births in Mothers Younger Than 20 Years of Age by Municipality of Residence, Puerto Rico 2009-2010 37
Table 21 Infant Mortality Rate by Gender and Municipality of Residence of the Mother, Puerto Rico 2008.. 38
Table 22 Births and Deaths Rate by Municipality for 2009 and 2010 40
Table 23 Leading Causes of Death, Puerto Rico 2009-2010..... 45

Table 24. Age-Adjusted and Unadjusted Rates for Leading Causes of Death, Puerto Rico 2010 46
Table 25. Death Rates by municipality, Puerto Rico 2010..... 47
Table 26. Unadjusted Cancer Mortality Rates by Sex, Puerto Rico 2009-2010..... 49
Table 27 Leading Unadjusted Cancer Mortality Rates by Sex, Puerto Rico, 2010 51
Figure 7 Violent Deaths Rates, Puerto Rico 2000-2010 52
Table 28 Violent Deaths: Accidents, Homicides, Suicides, Puerto Rico 2000 - 2010 53
Table 29 Prevalence of Risk Factors and Chronic Disease, Puerto Rico 2011 54
Figure 8 Prevalence of Current Asthma, PR 2002-2010 56
Figure 9 Prevalence of Diabetes, PR 1996-2010 57
Figure 10 Prevalence of Hypertension, Puerto Rico selected years 58
Figure 11 Prevalence of Tobacco Use, Puerto Rico 1996-2010..... 59
Figure 12 Prevalence of Overweight and Obesity, Puerto Rico 1996-2010 60
Table 30 Chlamydia by Sex, Puerto Rico 2000-2010 62
Table 31 Gonorrhea by Sex, Puerto Rico 2000-2010..... 62
Table 32 Herpes by Sex, Puerto Rico 2000-2010..... 63
Table 33 Genital Warts by Sex, Puerto Rico 2000-2010..... 63
Table 34 Trichomonas Vaginalis Incident Rate*, Puerto Rico 2000-2010..... 64
Table 35 Congenital Syphilis Incident Rate*, Puerto Rico 2000-2009..... 64
Table 36 Primary and Secondary Syphilis by Sex, Puerto Rico 2000-2010..... 65
Table 37 Late Latent Syphilis by Sex, Puerto Rico 2000-2010 65
Table 38 HIV/AIDS Cases by Health Region, Puerto Rico 2012* 66
Table 39 Number of cases and deaths of HIV/AIDS by diagnostic status and age category, until September 2012..... 67
Table 40 Number of Cases by Age of Diagnosis and Sex, until September 2012 68
Table 41 Number of Cases HIV/AIDS among Adults or Adolescents by Transmission Category and Sex, until September 2012..... 69
Table 42 Number of Cases HIV/AIDS among Children <13 Years by Transmission Category and Sex, until August 2012 69
Table 43 Number of Cases, Deaths and Case Fatality Rates by Time of Diagnosis, until September 2012 70
Table 44 Dengue fever (D) and dengue hemorrhagic fever (DH) cases, dengue fever incident rate, proportion of dengue hemorrhagic cases, and case fatality rate (CFR), Puerto Rico 1995-2012* 71
Figure 13 Incident rate of dengue, Puerto Rico 1995-2012* 72
Figure 14 Case fatality rate of hemorrhagic dengue, Puerto Rico 1995-2012* 73
Table 45 Tuberculosis Cases by Region, Puerto Rico 2007-2008 74
Table 46 Disability Status, Puerto Rico 2011 75
Health Care Access Profile.....
Table 47 Health Insurance Coverage, Puerto Rico 2011 76
Table 48 Hospitals by type, Puerto Rico 2007-2009..... 76
Table 49 Hospital Beds, Physicians, and Health Expenditure, Puerto Rico 77
Table 50 Hospitals by Region and Municipality, Puerto Rico 2007-2009..... 78
Figure 15 Mi Salud Regions 80
Figure 16 Public Health Insured Population, Puerto Rico 2006-2011 81
Figure 17 Public Health Insured Population by region, Puerto Rico 2006-2011 82
Table 51 People with Public Health Insurance "Reforma" (2006-2008) / Mi Salud (2009-2011), Puerto Rico natural years 2006-2011 83
Table 52 People with Mi Salud by Age, Gender and Region, Puerto Rico April 2012 84
Table 53 Lives per Primary Medical Groups (PMG) by Triple S, Puerto Rico August 2012 86

Table 54 Beneficiaries per Primary Medical Groups (PMG) by Region, Puerto Rico August 2012 87
Table 55 Mi Salud Providers by Region, Puerto Rico August 2012..... 91
Table 56 Mi Salud Providers per 10,000 Beneficiaries by Region, Puerto Rico August 2012..... 91
Table 57 Hospitalized Patients by Gender, Age, and Region, Mi Salud, 2011..... 93
Table 58 Patients Using Emergency Rooms by Gender, Age, and Region, Mi Salud, 2011..... 94
Table 59 Anorexia Nervosa by ASES Region, Puerto Rico 2008-2009 95
Table 60 Anorexia Nervosa by Age and Sex, Puerto Rico 2010-2011*..... 95
Table 61 Bulimia Nervosa by ASES Region, Puerto Rico 2008-2009 95
Mental Health and Substance Abuse Services Profile .....
Table 62 Licensed Facilities for Mental Health and Substance Abuse Service Provision 97
Table 63 Mental Health Services, FY 2010-11 99
Table 64 Characteristics of the Population Receiving Mental Health Services by Facility Type, FY 2010-11 . 100
Table 65 Admissions by Setting and Population Group, Puerto Rico FY2010-11..... 100
Table 66 Readmission by Demographic Characteristics, FY 2010-11: 30 days to state psychiatric hospitals. 101
Table 67 Readmission by Demographic Characteristics, FY 2010-11: 180 days to state psychiatric hospitals 101
Table 68 Patients Served for Substance Abuse in ASSMCA by Treatment Program and Gender, Puerto Rico FY 2011-12 102
Table 69 People Receiving Services at Psychiatrist Hospitals by Gender, ASSMCA FY 2011-12 104
Table 70 Children and Adolescents Receiving Services in ASSMCA by Gender and Program, FY 2011-2012 104
Table 71 Prevalence of Alcohol Use by Adults by Age, Puerto Rico 2011 106
Table 72 Prevalence of Alcohol Use in Adults by Gender, Puerto Rico 2001-2010..... 106
Table 73 Lifetime Prevalence of Drugs use in Adults by Gender, Puerto Rico 2008 107
Table 74 Alcohol and Drug Use by Adults during Past Year by Gender and Age, Puerto Rico 2008..... 108
Table 75 Past-Year Drug Use by Health Region, Puerto Rico 2008 109
Table 76 Alcohol and Drug Use during the Past Year by Gender, Puerto Rico, 2002 and 2008 Comparison . 110
Table 77 Smoked a Whole Cigarette for the First Time before Age 13 Years, Puerto Rico, selected years.... 112
Table 78 Ever Smoked At Least One Cigarette Every Day for 30 Days, Puerto Rico 2005 and 2011 112
Table 79 Lifetime prevalence of drug use by type, sex, and grade, Puerto Rico 2011 113
Appendix.....
Table A1 Municipalities that Lost Population between 2000 and 2011 116
Table A2 Population and Median Age by Municipalities and Puerto Rico, 2011 118
Table A3 Grandchildren under 18 Years Living with a Grandparent Householder by Grandparent Responsibility and Presence of Parent 120
Table A4 Household Composition for Puerto Rico and its Municipalities..... 122
Table A5 Lowest and Highest Percentage of Municipalities with Nonfamily householders living alone, Puerto Rico, 2006-2010 126
Table A6 Earnings and Income (in Dollars) by Municipality, Puerto Rico, 2006-2010 128
Table A7 Labor Participation Rate by Municipality, Puerto Rico 2006-2011 130
Table A8 Employment and Unemployment in Puerto Rico and Municipalities, 2010-2011..... 133
Table A9 Poverty Rates for Families and Persons by Municipalities, Puerto Rico 2006-2010 136
Table A10 Educational Attainment for Municipalities, Puerto Rico 2010-2011..... 144
Table A11 Live Births in Mothers Younger Than 20 Years of Age by Municipality of Residence, Puerto Rico 2009-2010 148
Table A12 Infant Mortality Rate by Gender and Municipality of Residence of the Mother, Puerto Rico 2008 150

I. Introduction

The mission of the Puerto Rico Department of Health (PRDH) is to promote and preserve the health of every human being in Puerto Rico to enjoy the physical, emotional and social well-being of a full life, and thus contribute to the productive and creative effort of Puerto Rico's society. This mission is anchored in the essential public health services framework. Within this framework, one of the public health activities is monitoring the health status of the population. This monitoring includes identifying and solving the health problems of the community. To do this, the PRDH needs the most current data available on the health and the associated socio-demographic and economic conditions of the people of Puerto Rico. For this purpose, the PRDH prepared the Puerto Rico Community Health Assessment, in collaboration with the Puerto Rico Institute of Statistics (PRIS). This partnership allows the PRDH to determine the public health priorities of Puerto Rico, while at the same time promotes the mission of the PRIS to ensure universal access to comprehensive statistical information on the Island. The Assessment consists of several sections:

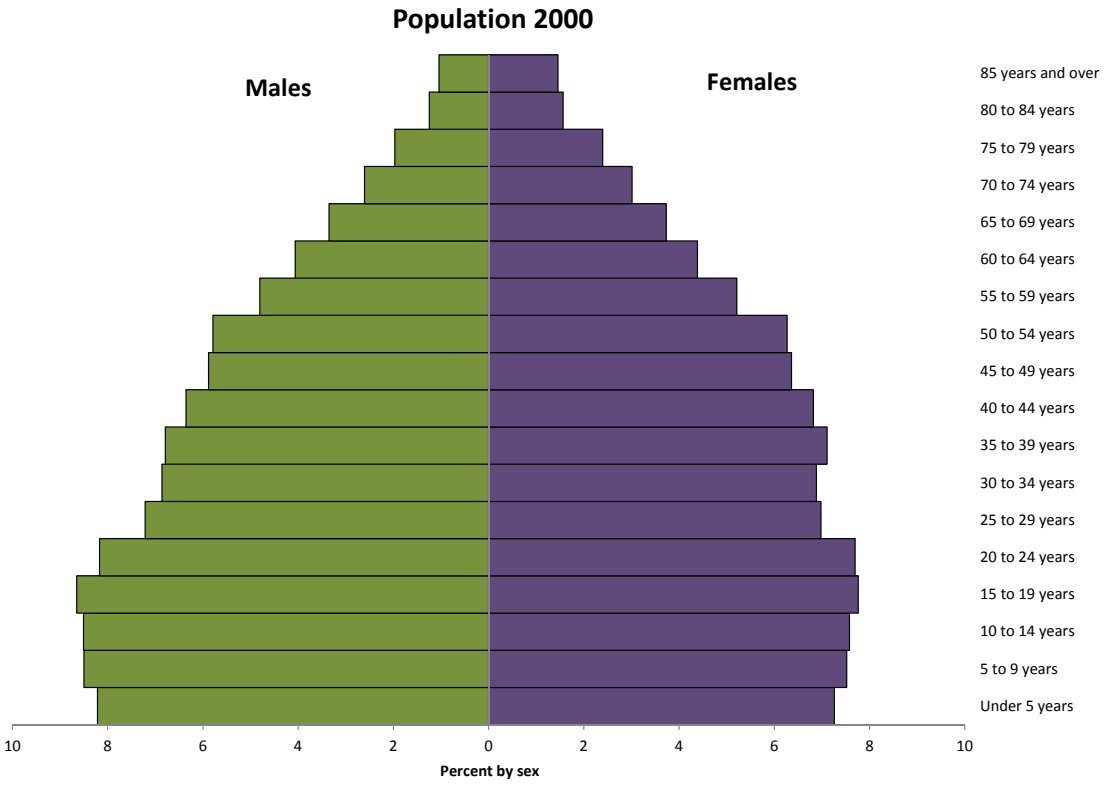
- Socio–Demographic: Provides context to the current population situation of the island. The data for this section was obtained from the U.S. Census Bureau.
- Socio Economic: Presents data on topics such as income, earning, employment, poverty, and educational attainment. The data for this section is from the U.S. Census Bureau and the Puerto Rico Department of Labor and Human Resources.
- Health: Provides statistics on mortality, morbidity, maternal, and child health. Data for this section is from different divisions of the PRDH and the Puerto Rico-Behavioral Risk Factor Surveillance System.
- Health Care Access: The data for this section is from the U.S. Census Bureau, the Health Insurance Administration (ASES, in Spanish) and the PRDH.
- Mental Health Services: This data is from the Mental Health and Substance Abuse Services Administration (ASSMCA, in Spanish).

II. Socio demographic profile

The data of this section is from the U.S. Census Bureau.

A. Population estimates for Puerto Rico and municipalities

The population of Puerto Rico has undergone major changes in the last decade. Between 2000 and 2010, the population structure of Puerto Rico got older (See population pyramids of 2000, 2005, and 2010). The population of Puerto Rico decreased from 3,808,610 in April 1, 2000 to 3,725,789 in April 1, 2010. Population estimates for 2011 indicate that the population continues to decrease. For July 1, 2011, the U.S. Census Bureau estimated that the population of Puerto Rico was 3,706,690. Population pyramids for 2010 and 2011 show the differences in age structure from 2010 and 2011. From 2000 to 2011, 43 municipalities lost population; among these, Ceiba lost 25% of its population, while Guánica lost 13%. Among the municipalities that had an increase in population, Gurabo had the highest increase (25%).


Population 2000
Males
Females
85 years and over
80 to 84 years
75 to 79 years
70 to 74 years
65 to 69 years
60 to 64 years
55 to 59 years
50 to 54 years
45 to 49 years
40 to 44 years
35 to 39 years
30 to 34 years
25 to 29 years
20 to 24 years
15 to 19 years
10 to 14 years
5 to 9 years
Under 5 years
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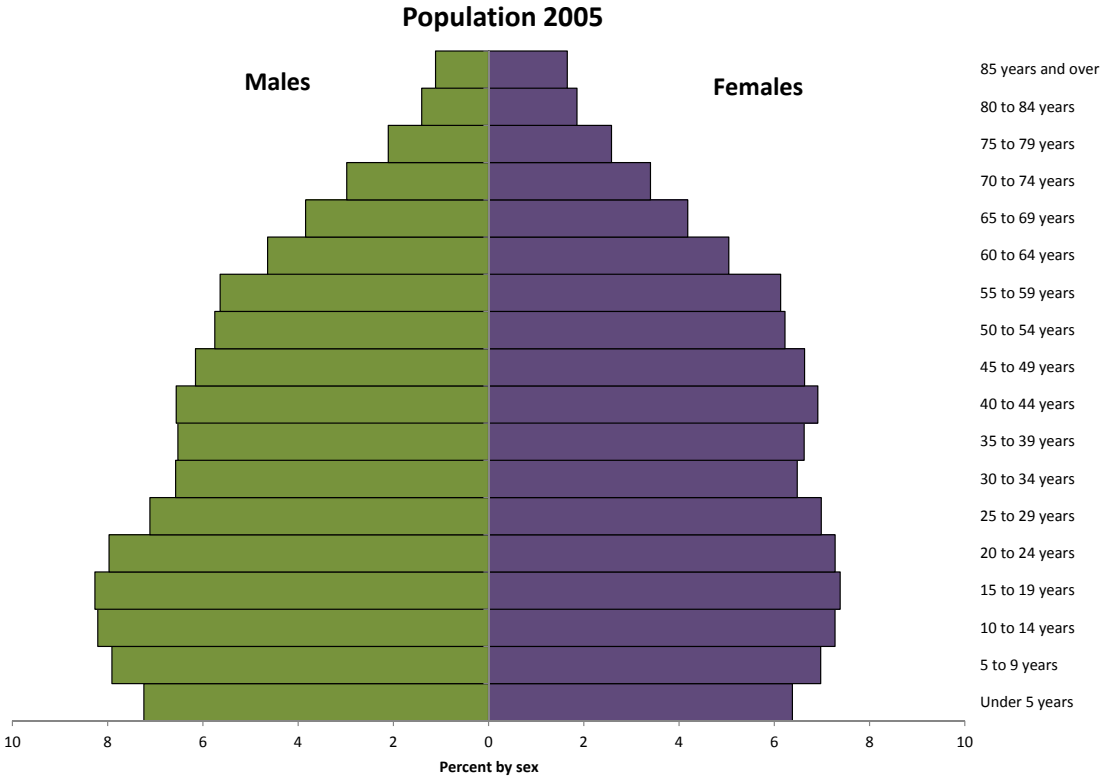
Percent by sex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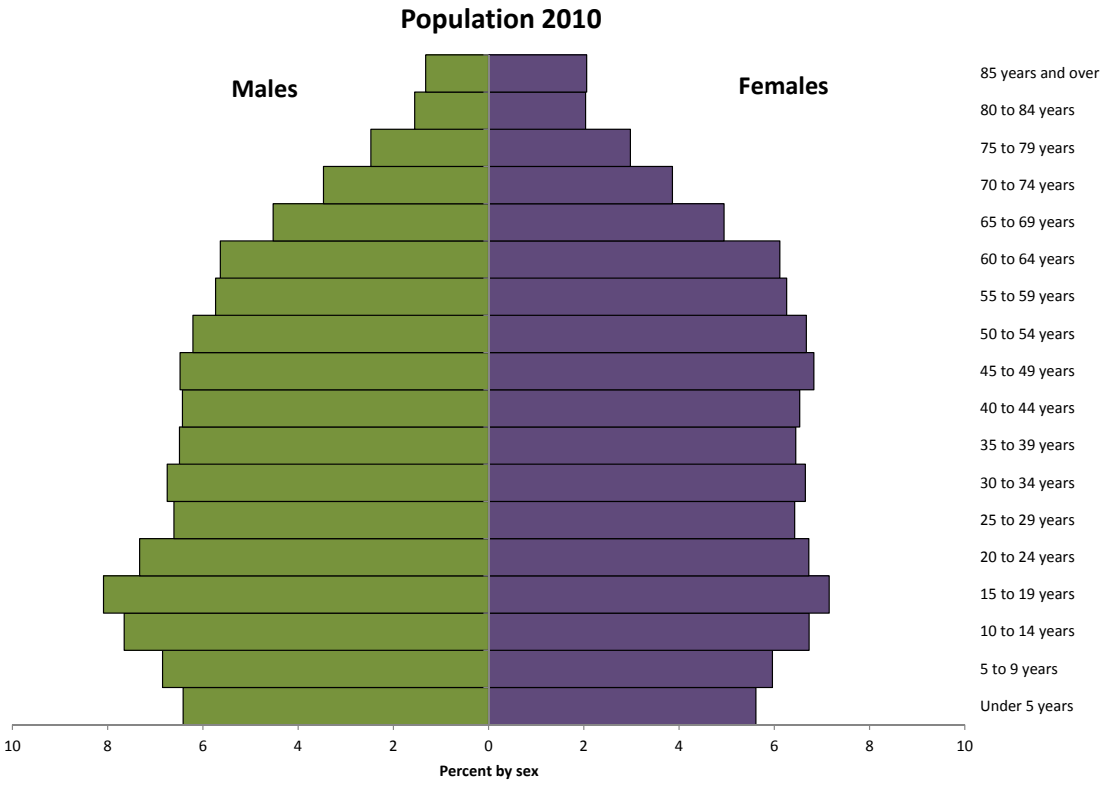
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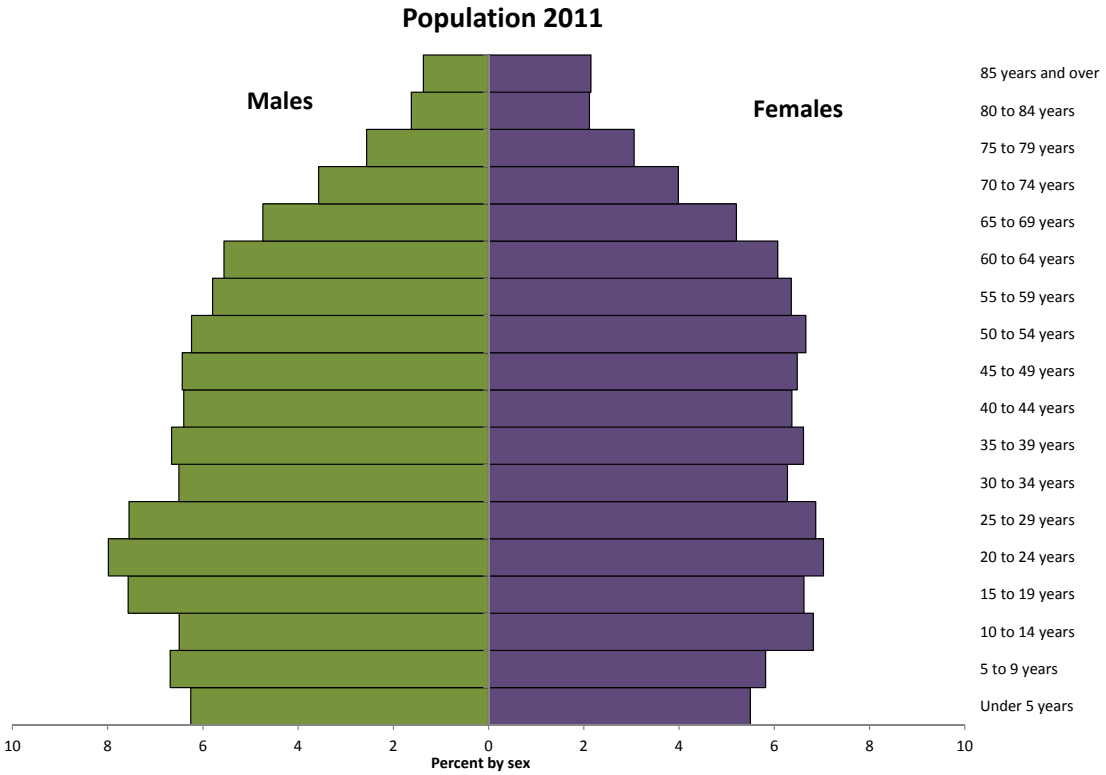
Percent by sex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25 to 29 years
20 to 24 years
15 to 19 years
10 to 14 years
5 to 9 years
Under 5 years
10 8 6 4 2 0 2 4 6 8 10
Percent by sex

Annual Estimates of the Resident Population by Sex and Age for Puerto Rico
April 1, 2010 to July 1, 2011

Sex and Age	April 1, 2010	Population Estimates		% Change
	Census	2010	2011	
Both sexes	3,725,789	3,721,978	3,706,690	-0.4%
Under 5 years	224,756	223,195	217,227	-2.7%
5 to 9 years	240,004	238,049	231,038	-2.9%
10 to 14 years	268,571	267,483	262,298	-1.9%
15 to 19 years	284,259	282,884	277,561	-1.9%
20 to 24 years	260,850	262,147	266,732	1.7%
25 to 29 years	244,159	242,559	236,662	-2.4%
30 to 34 years	248,173	247,803	245,908	-0.8%
35 to 39 years	241,270	240,269	236,669	-1.5%
40 to 44 years	242,258	241,659	239,410	-0.9%
45 to 49 years	247,986	247,852	247,084	-0.3%
50 to 54 years	239,821	239,809	239,429	-0.2%
55 to 59 years	223,607	223,975	225,650	0.7%
60 to 64 years	218,077	217,761	215,951	-0.8%
65 to 69 years	175,411	177,285	184,688	4.2%
70 to 74 years	136,251	136,993	140,342	2.4%
75 to 79 years	100,740	101,490	104,528	3.0%
80 to 84 years	67,000	67,539	69,712	3.2%
85 years and over	62,596	63,226	65,801	4.1%
Under 18 years	903,295	897,920	876,494	-2.4%
Under 5 years	224,756	223,195	217,227	-2.7%
5 to 13 years	453,337	450,598	439,453	-2.5%
14 to 17 years	225,202	224,127	219,814	-1.9%
18 to 64 years	2,280,496	2,277,525	2,265,125	-0.5%
18 to 24 years	375,145	375,838	378,362	0.7%
25 to 44 years	975,860	972,290	958,649	-1.4%
45 to 64 years	929,491	929,397	928,114	-0.1%
65 years and over	541,998	546,533	565,071	3.4%
16 years and over	2,936,037	2,937,240	2,941,656	0.2%
18 years and over	2,822,494	2,824,058	2,830,196	0.2%
15 to 44 years	1,520,969	1,517,321	1,502,942	-0.9%
Median age (years)	36.9	37.0	37.4	1.1%

Annual Estimates of the Resident Population by Sex and Age for Puerto Rico
April 1, 2010 to July 1, 2011

Sex and Age	April 1, 2010	Population Estimates		% Change
	Census	2010	2011	
Male	1,785,171	1,782,972	1,774,151	-0.5%
Under 5 years	115,173	114,302	110,982	-2.9%
5 to 9 years	123,228	122,219	118,618	-2.9%
10 to 14 years	137,289	136,785	134,302	-1.8%
15 to 19 years	144,853	144,215	141,673	-1.8%
20 to 24 years	130,577	131,307	133,980	2.0%
25 to 29 years	118,578	117,874	115,379	-2.1%
30 to 34 years	119,708	119,446	118,109	-1.1%
35 to 39 years	115,981	115,457	113,578	-1.6%
40 to 44 years	114,941	114,777	114,156	-0.5%
45 to 49 years	115,470	115,450	115,293	-0.1%
50 to 54 years	110,600	110,661	110,692	0.0%
55 to 59 years	102,262	102,336	102,808	0.5%
60 to 64 years	100,090	99,849	98,596	-1.3%
65 to 69 years	80,178	80,960	84,107	3.9%
70 to 74 years	61,731	62,024	63,324	2.1%
75 to 79 years	43,625	43,983	45,458	3.4%
80 to 84 years	27,582	27,830	28,801	3.5%
85 years and over	23,305	23,497	24,295	3.4%
Under 18 years	462,523	459,770	448,822	-2.4%
Under 5 years	115,173	114,302	110,982	-2.9%
5 to 13 years	232,246	230,890	225,422	-2.4%
14 to 17 years	115,104	114,578	112,418	-1.9%
18 to 64 years	1,086,227	1,084,908	1,079,344	-0.5%
18 to 24 years	188,597	189,058	190,733	0.9%
25 to 44 years	469,208	467,554	461,222	-1.4%
45 to 64 years	428,422	428,296	427,389	-0.2%
65 years and over	236,421	238,294	245,985	3.2%
16 years and over	1,380,329	1,380,797	1,382,392	0.1%
18 years and over	1,322,648	1,323,202	1,325,329	0.2%
15 to 44 years	744,638	743,076	736,875	-0.8%
Median age (years)	35.1	35.2	35.6	1.1%

Annual Estimates of the Resident Population by Sex and Age for Puerto Rico
April 1, 2010 to July 1, 2011

Sex and Age	April 1, 2010	Population Estimates		% Change
	Census	2010	2011	
Female	1,940,618	1,939,006	1,932,539	-0.3%
Under 5 years	109,583	108,893	106,245	-2.4%
5 to 9 years	116,776	115,830	112,420	-2.9%
10 to 14 years	131,282	130,698	127,996	-2.1%
15 to 19 years	139,406	138,669	135,888	-2.0%
20 to 24 years	130,273	130,840	132,752	1.5%
25 to 29 years	125,581	124,685	121,283	-2.7%
30 to 34 years	128,465	128,357	127,799	-0.4%
35 to 39 years	125,289	124,812	123,091	-1.4%
40 to 44 years	127,317	126,882	125,254	-1.3%
45 to 49 years	132,516	132,402	131,791	-0.5%
50 to 54 years	129,221	129,148	128,737	-0.3%
55 to 59 years	121,345	121,639	122,842	1.0%
60 to 64 years	117,987	117,912	117,355	-0.5%
65 to 69 years	95,233	96,325	100,581	4.4%
70 to 74 years	74,520	74,969	77,018	2.7%
75 to 79 years	57,115	57,507	59,070	2.7%
80 to 84 years	39,418	39,709	40,911	3.0%
85 years and over	39,291	39,729	41,506	4.5%
Under 18 years	440,772	438,150	427,672	-2.4%
Under 5 years	109,583	108,893	106,245	-2.4%
5 to 13 years	221,091	219,708	214,031	-2.6%
14 to 17 years	110,098	109,549	107,396	-2.0%
18 to 64 years	1,194,269	1,192,617	1,185,781	-0.6%
18 to 24 years	186,548	186,780	187,629	0.5%
25 to 44 years	506,652	504,736	497,427	-1.4%
45 to 64 years	501,069	501,101	500,725	-0.1%
65 years and over	305,577	308,239	319,086	3.5%
16 years and over	1,555,708	1,556,443	1,559,264	0.2%
18 years and over	1,499,846	1,500,856	1,504,867	0.3%
15 to 44 years	776,331	774,245	766,067	-1.1%
Median age (years)	38.6	38.7	39.1	1.2%

Source: U.S. Census Bureau, Population Division

B. Age distribution for Puerto Rico and median age of municipalities

In 2000, census data revealed that the median age of Puerto Rico was 32.1 years. The median age increased to 36.9 years in 2010. This represents an increase of 4.8 years in a decade, twice the increase registered for the United States as a whole. Furthermore, in 2011, the median age of the population was 37.4 years. The population 65 years of age and older increased from 11.2% in 2000 to 15.2% in 2011. Furthermore, the increase in population was higher in females than males. In 2000, there were 10.2% of males with 65 years of age and older; this percentage increased to 13.8% in 2011. In 2000, there were 12.2% of females with 65 years of age and older; this percentage increased to 16.5% in 2011.

For 2011, the municipalities with older populations are Hormigueros and Rincón with a median age of 42 years and 41.4 years respectively. In Culebra and Rincón, males have a median age of more than 40 years. However, in 18 municipalities females have a median age higher than 40 years. Moreover, in Hormigueros, the female population has a median age of 44.6 years; in Guaynabo and Vieques, females have a median age of 42.7 years and 42.4 years, respectively.

C. Sex distribution for Puerto Rico and municipalities

For 2011, females account for 52% of the population of Puerto Rico. All municipalities, except for Jayuya, Guayama, and Culebra, have a higher proportion of females than males. In these municipalities, the difference between males and females is less than 32 people. Currently, San Juan is the municipality with more population and females surpass males by 31,652. In this municipality, females account for 54% of the population. Currently, 53% of the population in Arroyo, Caguas, Carolina, Fajardo, Hormigueros, and Loíza are females.

Population and Median Age for Municipalities with the Lowest and Highest total median age, 2011

Municipality	Population			Median age		
	Males	Females	Total	Males	Females	Total
Barranquitas	14,978	15,424	30,402	31.3	34.3	32.8
Peñuelas	11,701	12,246	23,947	33.0	34.3	33.7
Jayuya	8,263	8,261	16,524	32.4	35.2	33.7
Morovis	16,360	16,463	32,823	32.7	34.6	33.7
Loíza	13,965	15,773	29,738	32.4	35.4	34.0
Puerto Rico	1,774,151	1,932,539	3,706,690	35.6	39.1	37.4
Lajas	12,490	13,081	25,571	38.2	42.2	40.2
Guaynabo	46,178	51,102	97,280	37.5	42.7	40.3
Vieques	4,641	4,709	9,350	39.3	42.3	40.8
Rincón	7,390	7,802	15,192	40.3	42.4	41.4
Hormigueros	8,039	9,256	17,295	39.4	44.6	42.0

Source: U.S. Census Bureau, Population Division

D. Household composition for Puerto Rico and selected municipalities

During 2006-2010, there were 1,227,039 households in Puerto Rico; in 37% of them, there was at least one person younger than 18 years of age. On the other hand, 31% of households in Puerto Rico during the same period had at least one person with 65 years of age or more. The mean household size for Puerto Rico was 3.03, while the mean family size was 3.57. Among municipalities, Peñuelas had the higher percent of households with a person younger than 18 years of age (49.1%), while Hormigueros had the lower percentage (27.2%). Cabo Rojo had the highest percentage of households with at least one person with 65 years of age or more (38.2%), while Toa Alta had the lowest percentage (23.3%). Maricao has the highest mean for both household and family size (3.78 and 4.6, respectively). Finally, San Juan has the lowest mean household size (2.62) and Las Marías the lowest mean family size (3.11).

Almost 74% of households in Puerto Rico are family households. Among these, 59.7% of family households are from married couples and 32.5% are from females with no husband present. In 41.6% of the families, there is at least one child of their own. Additionally, among families of females without husband present, 50% of them have at least one child of their own. However, this percent drops to 40% among families of males without wife present. Among all families with at least one child of their own, females without husband present account for 39.1%. In Las Marías, 70.8% of families are married couples. In Cataño, 45.7% of families are females without husband present. Among the municipalities, Orocovis has the highest percent of (a) families with children (51.7%), and (b) families of males without a wife present (14.8%). Within the latter, Orocovis has the highest percentage of families of males without a wife present with children of their own (20.5%). Among families of females without husband present, Culebra has the highest percent of families of females without husband present with at least a child of their own (58.2%). Finally, among families of married couples Naranjito has the highest number of this type of family that has at least one child of their own (70.3%).

In Puerto Rico, 87.9% of nonfamily households are of one person living alone. Additionally, 36.3% of nonfamily households are of people with 65 years of age or older. In Hormigueros, 98.3% of nonfamily households are of people living alone, while Luquillo has the lowest percentage of nonfamily householders living alone (79.6%). Finally, Cabo Rojo has people with at least 65 years of age in 49.8% of their nonfamily households, while Gurabo only has 24.7% of this population group within nonfamily households.

Lowest and Highest Percentage of Municipalities with Households with a Person younger than 18 Years of Age, Puerto Rico, 2006-2010

Municipality	Households	All Households with one or more people		Average size	
	Total households	< 18 years N	%	Household	Family
Hormigueros	6,197	1,687	27.2%	2.76	3.31
Culebra	590	161	27.3%	3.29	4.16
Mayagüez	32,521	9,682	29.8%	2.75	3.31
San Juan	150,331	47,580	31.7%	2.62	3.3
Rincón	5,504	1,791	32.5%	2.76	3.35
Puerto Rico	1,227,039	457,965	37.30%	3.03	3.57
Orocovis	6,732	3,092	45.9%	3.49	3.96
Morovis	9,068	4,238	46.7%	3.54	3.79
Barranquitas	9,033	4,354	48.2%	3.31	3.72
Toa Alta	21,850	10,669	48.8%	3.32	3.65
Peñuelas	7,234	3,550	49.1%	3.44	3.78

Source: 2006-2010 American Community Survey 5-Year Estimates

Lowest and Highest Percentage of Municipalties with Households with a Person with 65 Years of Age and Older, Puerto Rico, 2006-2010

Municipality	Households	All Households with one or more people		Average size	
	Total households	≥ 65 years N	%	Household	Family
Toa Alta	21,850	4,871	22.3%	3.32	3.65
Loíza	9,069	2,279	25.1%	3.39	3.95
Las Marías	3,509	882	25.1%	2.85	3.11
Las Piedras	11,295	2,866	25.4%	3.34	3.87
Trujillo Alto	25,108	6,454	25.7%	2.97	3.48
Puerto Rico	1,227,039	375,460	30.60%	3.03	3.57
Vieques	3,231	1,178	36.5%	2.88	3.82
San Germán	12,074	4,461	36.9%	2.94	3.57
Hormigueros	6,197	2,308	37.2%	2.76	3.31
Lajas	8,520	3,204	37.6%	3.05	3.64
Cabo Rojo	15,997	6,114	38.2%	3.15	3.87

Source: 2006-2010 American Community Survey 5-Year Estimates

Highest and Lowest Household Average Size by Municipalities, Puerto Rico 2006-2010

Municipality	Households	Average size	
	Total households	Household	Family
San Juan	150,331	2.62	3.3
Mayagüez	32,521	2.75	3.31
Rincón	5,504	2.76	3.35
Hormigueros	6,197	2.76	3.31
Guaynabo	34,735	2.79	3.34
Puerto Rico	1,227,039	3.03	3.57
Jayuya	4,721	3.52	3.88
Morovis	9,068	3.54	3.79
Naranjito	8,244	3.68	4.14
Adjuntas	5,241	3.71	4.28
Maricao	1,650	3.78	4.6

Source: 2006-2010 American Community Survey 5-Year Estimates

Highest and Lowest Family Average Size by Municipalities, Puerto Rico 2006-2010

Municipality	Households	Average size	
	Total households	Household	Family
Las Marías	3,509	2.85	3.11
San Juan	150,331	2.62	3.3
Bayamón	72,259	2.86	3.3
Mayagüez	32,521	2.75	3.31
Hormigueros	6,197	2.76	3.31
Puerto Rico	1,227,039	3.03	3.57
Orocovis	6,732	3.49	3.96
Naranjito	8,244	3.68	4.14
Culebra	590	3.29	4.16
Adjuntas	5,241	3.71	4.28
Maricao	1,650	3.78	4.6

Source: 2006-2010 American Community Survey 5-Year Estimates

Household Composition for Puerto Rico and its Municipalities, Puerto Rico 2006-2010

Municipality	Family households							
	All family hosehold types		Married-couple family		Male householder, no wife present, family		Female householder, no husband present, family	
	Total	With own children	Total	With own children under	Total	With own children under	Total	With own children under
Adjuntas	4,123	1,618	2,827	1,120	263	97	1,033	401
Aguada	10,507	4,087	7,366	2,728	665	140	2,476	1,219
Aguadilla	14,678	5,835	9,019	3,244	1,030	399	4,629	2,192
Aguas Buenas	7,170	2,977	4,413	1,776	524	134	2,233	1,067
Aibonito	6,511	2,567	4,001	1,259	453	189	2,057	1,119
Añasco	7,126	2,939	4,740	1,818	412	107	1,974	1,014
Arecibo	24,242	9,641	15,040	5,402	1,651	576	7,551	3,663
Arroyo	4,420	1,902	2,583	853	279	194	1,558	855
Barceloneta	6,398	2,968	4,011	1,795	376	182	2,011	991
Barranquitas	7,299	3,726	4,512	2,080	609	338	2,178	1,308
Bayamón	54,711	22,459	32,635	12,072	4,090	1,657	17,986	8,730
Cabo Rojo	11,445	4,306	7,794	2,914	727	227	2,924	1,165
Caguas	36,726	15,578	21,998	8,695	2,445	911	12,283	5,972
Camuy	8,365	3,434	5,870	2,372	490	50	2,005	1,012
Canóvanas	10,837	4,594	6,834	2,558	837	401	3,166	1,635
Carolina	45,039	17,912	25,882	8,992	3,347	1,203	15,810	7,717
Cataño	7,251	3,124	3,279	1,163	658	209	3,314	1,752
Cayey	11,555	4,806	6,593	2,169	1,071	566	3,891	2,071
Ceiba	3,290	1,438	1,880	733	235	76	1,175	629
Ciales	4,663	1,998	2,839	1,086	434	215	1,390	697
Cidra	10,724	4,658	6,424	2,355	1,054	608	3,246	1,695
Coamo	10,038	4,465	6,514	2,620	661	304	2,863	1,541
Comerío	5,225	2,266	3,347	1,286	302	79	1,576	901
Corozal	8,650	3,436	5,899	2,197	574	194	2,177	1,045

Household Composition for Puerto Rico and its Municipalities, Puerto Rico 2006-2010

Municipality	Family households							
	All family hosehold types		Married-couple family		Male householder, no wife present, family		Female householder, no husband present, family	
	Total	With own children	Total	With own children under	Total	With own children under	Total	With own children under
Culebra	398	146	197	51	40	10	161	85
Dorado	9,225	4,111	5,835	2,425	605	252	2,785	1,434
Fajardo	9,384	4,126	5,036	1,833	781	355	3,567	1,938
Florida	3,007	1,381	2,037	807	184	78	786	496
Guánica	4,852	1,837	2,991	1,055	369	132	1,492	650
Guayama	11,097	4,994	6,259	2,550	1,208	561	3,630	1,883
Guayanilla	5,465	2,187	3,281	1,242	464	109	1,720	836
Guaynabo	25,074	9,683	16,122	5,772	1,644	696	7,308	3,215
Gurabo	10,355	4,706	6,769	2,931	764	338	2,822	1,437
Hatillo	10,139	4,423	6,658	2,854	631	82	2,850	1,487
Hormigueros	4,533	1,413	2,717	682	223	128	1,593	603
Humacao	13,558	5,161	8,046	2,679	989	352	4,523	2,130
Isabela	11,065	4,311	7,263	2,685	668	168	3,134	1,458
Jayuya	3,867	1,721	2,351	873	473	299	1,043	549
Juana Díaz	11,919	5,479	7,006	3,148	1,090	384	3,823	1,947
Juncos	9,187	4,058	5,749	2,240	765	349	2,673	1,469
Lajas	6,361	2,410	3,886	1,391	553	168	1,922	851
Lares	8,155	3,460	5,326	1,957	804	482	2,025	1,021
Las Marías	2,863	1,309	2,028	820	267	148	568	341
Las Piedras	8,461	3,349	5,271	1,757	597	202	2,593	1,390
Loíza	6,931	3,047	3,597	1,351	549	265	2,785	1,431
Luquillo	4,936	1,883	2,905	921	389	230	1,642	732
Manatí	11,239	4,452	6,986	2,306	640	161	3,613	1,985
Maricao	1,199	563	602	226	146	87	451	250

Household Composition for Puerto Rico and its Municipalities, Puerto Rico 2006-2010

Municipality	Family households							
	All family hosehold types		Married-couple family		Male householder, no wife present, family		Female householder, no husband present, family	
	Total	With own children	Total	With own children under	Total	With own children under	Total	With own children under
Maunabo	2,918	1,054	1,896	638	289	152	733	264
Mayagüez	22,259	8,163	12,970	3,874	1,525	390	7,764	3,899
Moca	9,270	3,910	6,245	2,332	803	283	2,222	1,295
Morovis	7,768	3,669	4,862	2,049	698	398	2,208	1,222
Naguabo	6,139	2,796	3,852	1,598	571	268	1,716	930
Naranjito	6,882	2,927	4,848	2,058	452	122	1,582	747
Orocovis	5,294	2,736	2,908	1,133	782	560	1,604	1,043
Patillas	4,738	1,829	2,982	1,079	445	159	1,311	591
Peñuelas	5,975	2,875	3,558	1,617	461	161	1,956	1,097
Ponce	41,452	17,271	23,124	8,229	3,220	1,398	15,108	7,644
Quebradillas	5,984	2,500	3,842	1,496	362	142	1,780	862
Rincón	3,926	1,410	2,504	799	205	13	1,217	598
Río Grande	12,881	5,322	7,957	2,918	815	417	4,109	1,987
Sabana Grande	6,450	2,394	3,907	1,327	500	168	2,043	899
Salinas	7,659	3,499	4,122	1,594	783	413	2,754	1,492
San Germán	8,609	3,220	5,233	1,719	779	338	2,597	1,163
San Juan	95,344	39,688	46,938	16,346	8,439	3,021	39,967	20,321
San Lorenzo	9,860	3,966	6,055	2,235	973	391	2,832	1,340
San Sebastián	9,890	3,597	6,770	2,157	541	229	2,579	1,211
Santa Isabel	5,841	2,881	3,075	1,331	727	347	2,039	1,203
Toa Alta	18,154	9,216	11,474	5,731	1,246	521	5,434	2,964
Toa Baja	22,313	9,469	12,855	4,747	1,876	834	7,582	3,888
Trujillo Alto	18,651	8,377	11,311	4,487	1,621	730	5,719	3,160
Utuado	7,784	2,969	4,891	1,595	756	389	2,137	985

Household Composition for Puerto Rico and its Municipalities, Puerto Rico 2006-2010

Municipality	Family households							
	All family hosehold types		Married-couple family		Male householder, no wife present, family		Female householder, no husband present, family	
	Total	With own children	Total	With own children under	Total	With own children under	Total	With own children under
Vega Alta	9,210	3,735	5,322	2,054	888	274	3,000	1,407
Vega Baja	14,729	5,769	9,184	3,523	660	195	4,885	2,051
Vieques	2,018	673	1,052	307	157	21	809	345
Villalba	6,284	2,804	3,520	1,468	810	471	1,954	865
Yabucoa	9,323	3,678	5,725	2,027	648	200	2,950	1,451
Yauco	11,020	4,198	7,049	2,539	747	252	3,224	1,407
Puerto Rico	912,888	379,539	545,249	202,850	70,809	28,349	296,830	148,340

Source: 2006-2010 American Community Survey 5-Year Estimates

Lowest and Highest Percentage of Municipalties with Nonfamily householders living alone, Puerto Rico, 2006-2010

Municipality	Nonfamily householders	Householder living alone	
		All	
		N	%
Luquillo	1,679	1,336	79.6%
Culebra	192	155	80.7%
Maricao	451	365	80.9%
Cidra	2,783	2,298	82.6%
Mayagüez	10,262	8,474	82.6%
Puerto Rico	314,151	276,048	87.9%
Coamo	2,654	2,521	95.0%
Quebradillas	2,044	1,966	96.2%
Corozal	2,222	2,139	96.3%
Aguas Buenas	1,914	1,855	96.9%
Hormigueros	1,664	1,636	98.3%

Source: 2006-2010 American Community Survey 5-Year Estimates

Lowest and Highest Percentage of Municipalties with Nonfamily householders 65 years of age and older living alone, Puerto Rico, 2006-2010

Municipality	Nonfamily householders	Householder living alone	
		65 years and over	
		N	%
Gurabo	2,463	609	24.7%
Las Marías	646	169	26.2%
Luquillo	1,679	462	27.5%
Trujillo Alto	6,457	1,813	28.1%
San Lorenzo	3,122	904	29.0%
Puerto Rico	314,151	114,128	36.3%
Guayanilla	1,165	565	48.5%
Utuado	2,342	1,141	48.7%
Hormigueros	1,664	815	49.0%
Comerío	1,234	611	49.5%
Cabo Rojo	4,552	2,269	49.8%

Source: 2006-2010 American Community Survey 5-Year Estimates

E. Grandparents householders responsible for grandchildren: Puerto Rico and selected municipalities

In Puerto Rico, between 2006 and 2010, there were 69,615 grandparents householders responsible for their grandchildren who were younger than 18 years of age. In Culebra, 25 out of 29 (86.2%) and in Cayey, 1,383 out of 1,711 (80.8%) grandparents householders were responsible of their grandchildren, the highest rate of any municipality. The only municipality with less than 30% (347 out of 1,203) of grandparent householders responsible for their grandchildren younger than 18 years of age was Aguas Buenas.

Lowest and Highest Percentage of Municipalities with Grandparents Householders who were Responsible for Grandchildren Younger than 18 years of Age, Puerto Rico 2006-2010

Municipality	Grandparents Householders			Parent	
	Total	Responsible for own grandchildren < 18 years	Percent responsible for grandchildren	Present	Percent with at least one present
Aguas Buenas	1,203	347	28.8%	105	8.7%
Naranjito	1,365	432	31.6%	355	26.0%
Rincón	522	172	33.0%	45	8.6%
Comerío	869	309	35.6%	222	25.5%
Toa Alta	2,095	793	37.9%	664	31.7%
Puerto Rico	129324	69615	53.8%	51519	39.8%
Ceiba	455	328	72.1%	251	55.2%
Hatillo	1,129	824	73.0%	475	42.1%
Cidra	1,903	1,510	79.3%	1,355	71.2%
Cayey	1,711	1,383	80.8%	1,190	69.5%
Culebra	29	25	86.2%	13	44.8%

Source: 2006-2010 American Community Survey 5-Year Estimates

III. Socioeconomic profile

The data of this section is from the U.S. Census Bureau and the Puerto Rico Department of Labor and Human Resources.

A. Income estimates for Puerto Rico and selected municipalities

During 2011, the median household income in Puerto Rico was $18, 660. The median family income for male householders with no spouse present was $29,350; which was higher than the median family income of married couples of $22,043. Finally, the lowest median family income was for female householders with no husband present ($16,389). The median income of families headed by females was more than $13,000 lower than for families of males. On the other hand, the median income of individuals was $13,723. The median earnings of males and females that are full-time employees showed minimal differences ($22,529 vs. $22,117). Among households, 42.6% received incomes from the Social Security Administration and 37.5% received incomes from food stamp/SNAP benefits.

Among municipalities, Trujillo Alto has the highest percent of its individuals receiving earnings (73.7%). On the other hand, Quebradillas is the municipality with the lowest percent of its individuals receiving earnings (48.2%). However, Guaynabo is the municipality with the highest mean earning of individuals ($59,035) and the highest mean household income ($54,721) and the highest median household income ($33,279). In contrast, Maricao has the lowest individual mean earnings ($17,425), household mean income ($15,294), and median household income ($10,932).

Income in the Past 12 months (in 2011 Inflation-Adjusted Dollars), Puerto Rico 2011

Characteristic	Amount
Households	1,256,151
Median household income (dollars)	$18,660.00
With earnings	58.80%
Mean earnings (dollars)	$34,430.00
With Social Security income	42.60%
Mean Social Security income (dollars)	$11,379.00
With Supplemental Security Income	0.40%
Mean Supplemental Security Income (dollars)	$8,204.00
With cash public assistance income	5.60%
Mean cash public assistance income (dollars)	$2,024.00
With retirement income	14.10%
Mean retirement income (dollars)	$13,463.00
With Food Stamp/SNAP benefits	37.50%
Families	903,660
Median family income (dollars)	$22,043.00
Married-couple family	57.60%
Median income (dollars)	$29,350.00
Male householder, no spouse present, family	8.70%
Median income (dollars)	$16,389.00
Female householder, no husband present, family	33.70%
Median income (dollars)	$13,723.00
Individuals	3,706,690
Per capita income (dollars)	$10,555.00
With earnings for full-time, year-round workers:	
Male	416,371
Female	350,684
Mean earnings (dollars) for full-time, year-round workers:	
Male	$32,122.00
Female	$27,611.00
Median earnings (dollars) full-time, year-round workers:	
Male	$22,529.00
Female	$22,117.00

Source: 2011 American Community Survey 1-Year Estimates

Lowest and Highest Median Earnings and Income (in Dollars) by Municipality, Puerto Rico, 2006-2010

Municipality	Individuals with earnings (dollars)			Household income (dollars)	
	Total	Percent (%)	Mean	Median	Mean
Maricao	1,019	61.8%	$17,425	$10,932	$15,294
Guánica	3,111	48.4%	$23,078	$11,870	$17,253
Quebradillas	3,872	48.2%	$23,006	$11,943	$17,669
Adjuntas	2,629	50.2%	$23,251	$11,983	$17,582
San Sebastián	6,281	49.6%	$21,718	$12,115	$18,216
Puerto Rico	N/A	N/A	N/A	$18,791	$29,325
Dorado	8,268	68.4%	$50,372	$25,473	$43,234
Gurabo	9,276	72.4%	$43,117	$27,416	$38,186
Carolina	43,331	70.5%	$39,319	$28,262	$37,470
Trujillo Alto	18,508	73.7%	$45,710	$30,825	$41,743
Guaynabo	25,306	72.9%	$59,035	$33,279	$54,721

Source: U.S. Census Bureau, 2006-2010 American Community Survey

B. Employment estimates for Puerto Rico and selected municipalities

From 2000 to 2011, in Puerto Rico, the labor participation rate decreased from 46.2% to 40.5%. Within the municipalities, Guaynabo had since 2000 a participation rate over 50%. However, this rate decreased from 56.4% in 2000 to 51.1% in 2011. For its part, Orocovis' already relatively low participation rate of 2000 (31.4%) decreased even further reaching 28.3% in 2011. In 2011, Las Marías had the highest participation rate (57.9%).

Regarding the unemployment rate, Puerto Rico had a rate of 15.7% in 2010, which increased to 16.1% in 2011. The municipality of Salinas had the highest unemployment rate in both 2010 and 2011 (25.3% and 25.2%, respectively). Finally, in 2011, Culebra and Guaynabo tied for the lowest unemployment rate (9.9%).

Lowest and Highest Labor Participation Rate by Municipality, Puerto Rico 2006-2011

Area or Municipality	Years					
	2011	2010	2009	2008	2007	2006
Orocovis	28.8	30.4	28.3	29.1	29.8	30.9
Comerio	31.9	33.4	31.5	32.2	32.7	33.5
Adjuntas	32.4	32.5	36.4	37.0	36.9	39.6
Utuado	32.4	33.1	33.4	34.0	34.5	36.2
Ciales	32.6	33.6	33.6	33.8	34.2	35.2
Puerto Rico	40.5	41.9	44.1	45.1	47	47.9
Trujillo Alto	50.3	51.6	49.0	52.0	54.0	55.3
Guaynabo	51.1	52.1	50.7	53.5	55.5	56.6
Culebra	52.1	51.3	47.4	50.5	51.5	54.4
Santa Isabel	56.2	55.1	54.3	53.5	51.6	55.7
Las Marias	57.9	51.6	43.4	45.8	45.2	40.1

Source: Departamento del Trabajo y Recursos Humanos Negociado de Estadisticas del Trabajo Division de Estudios y Estadisticas Rev. Julio 2012. Programa - Estadisticas de Desempleo por Areas (LAUS)

Note: Rates are sort according to 2011 data

Lowest and Highest Unemployment rate by Municipalities 2010 and 2011

Municipality	2010			2011		
	Unemploy-ment rate	Number of unemployed	Number of employed	Unemploy-ment rate	Number of unemployed	Number of employed
Guaynabo	10.2	4240	37242	9.9	4013	36716
Culebra	11.8	89	662	9.9	76	685
Trujillo Alto	11.7	3524	26566	11.1	3248	26191
San Juan	11.9	18296	136109	11.5	17477	134187
Dorado	13.4	1774	11453	12.3	1578	11291
Puerto Rico	15.7	200000	1074000	16.1	209000	1089000
Patillas	24.0	1412	4480	23.1	1318	4378
Arroyo	22.7	1326	4518	23.6	1366	4416
Maunabo	23.0	804	2687	24.3	855	2649
Yabucoa	24.0	2549	8077	24.5	2590	7963
Salinas	25.3	2181	6430	25.2	2194	6523

Source: Bureau of Labor Statistics. LAUS Datasets

C. Poverty[2] level for individuals, Puerto Rico

In 2011, the poverty level for all people in Puerto Rico was 45.6%, while it was 41.7% in all families. Families of female householders without husband present are poorer (58.4%) than families of married couples (30.2%). Additionally, the poverty rate of families of females householders without husband present who have children under 18 years of age is higher than (68.6%) the poverty rate of married-couple families with children under 18 years of age (33.9%). Finally, the poverty rate of people who have related children younger than five years of age is 61.5%.

The poverty rate in all families was the highest in Orocovis (61.2%), while Guaynabo has the lowest (24.6%). The municipalities of Florida, Hatillo, Las Marías, Morovis, Quebradillas, and Vieques have 100% poverty rate within female householders without husband present that have related children younger than five years of age. The municipality of Adjuntas has the highest poverty rate among married couples, while Guaynabo had the lowest poverty rate (14.8%). Las Marías has the highest poverty rate among families with female householders without husband present (82.7%), while Hormigueros has the lowest (39.4%). Maricao has the highest poverty rate among all people (64.7%) and in people younger than 18 years of age. On the other hand, Guánica has the highest poverty rate among people with at least 18 years of age (61.1%) and in people between 18 and 64 years of age (62.1%). Finally, 30 municipalities have a poverty rate over 50% in people with at least 65 years of age; among these municipalities, Maricao has the highest poverty rate (63.5%).

[2] Poverty statistics uses the standards of the U.S. Office of Management and Budget. For a detailed explanation, see Subject Definitions of the American Community Survey.

Poverty Rates for Families and Persons, Puerto Rico 2011

Subject	Percent
All families	41.7%
With related children under 18 years	51.7%
With related children under 5 years only	50.0%
Married-couple family	30.2%
With related children under 18 years	33.9%
With related children under 5 years only	34.5%
Female householder, no husband present, family	58.4%
With related children under 18 years	68.6%
With related children under 5 years only	67.4%
All people	45.6%
Under 18 years	57.5%
Related children under 18 years	57.3%
Related children under 5 years	61.5%
Related children 5 to 17 years	56.0%
18 years and over	41.9%
18 to 64 years	42.6%
65 years and over	39.0%
People in families	43.9%
Unrelated individuals 15 years and over	56.1%

Source: 2011 American Community Survey 1-Year Estimates

Lowest and Highest Poverty Rates for All Families by Municipalities, Puerto Rico 2006-2010

Municipalities	All Families			Married-couple family			Female householder, no husband		
		With related			With related			With related children	
	Total	< 18 years	< 5 years only	Total	< 18 years	< 5 years only	Total	< 18 years	< 5 years only
Guaynabo	24.6%	33.6%	32.4%	14.8%	17.3%	13.1%	42.9%	55.9%	55.9%
Carolina	26.9%	37.2%	35.8%	15.9%	19.2%	16.5%	43.6%	55.7%	55.3%
Trujillo Alto	27.1%	32.5%	38.0%	16.3%	15.2%	17.6%	45.8%	53.8%	70.2%
Hormigueros	28.1%	33.3%	23.8%	20.3%	11.4%	0.0%	39.4%	50.4%	20.5%
Dorado	29.5%	35.6%	24.3%	17.9%	19.0%	15.0%	52.0%	57.5%	51.8%
Puerto Rico	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Quebradillas	56.7%	65.0%	72.9%	45.7%	49.3%	51.7%	77.5%	87.2%	100.0%
Lares	57.6%	64.4%	55.1%	51.0%	52.5%	49.7%	67.2%	75.2%	79.3%
Guánica	59.0%	66.8%	63.0%	48.8%	55.0%	60.1%	82.0%	85.3%	69.4%
Maricao	60.6%	71.4%	70.2%	47.8%	65.0%	100.0%	72.1%	74.2%	53.3%
Orocovis	61.2%	71.1%	71.1%	48.7%	58.1%	27.1%	76.1%	82.2%	96.1%

Source: 2006-2010 American Community Survey 5-Year Estimates

Poverty Rates for All People by Municipalities, Puerto Rico 2006-2010

Municipalities	All people								People in families	Unrelated individuals ≥ 15 years
		Age groups				Related children				
	Total	< 18 years	≥ 18 years	18 to 64 years	≥ 65 years	< 18 years	< 5 years	5 to 17 years		
Guaynabo	27.9%	40.1%	24.4%	23.6%	27.8%	39.6%	45.4%	37.7%	26.3%	37.1%
Carolina	29.6%	43.4%	25.3%	25.4%	24.9%	43.0%	46.6%	41.8%	28.3%	38.2%
Trujillo Alto	31.3%	39.5%	28.4%	27.5%	33.2%	38.9%	45.1%	36.8%	29.0%	46.7%
Hormigueros	31.6%	35.7%	30.4%	29.6%	33.0%	35.7%	29.1%	37.7%	28.3%	55.2%
Bayamón	33.1%	44.5%	29.6%	29.1%	31.8%	44.0%	46.5%	43.1%	30.9%	49.0%
Puerto Rico	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Las Marías	59.5%	71.3%	55.4%	55.3%	55.6%	70.5%	72.3%	69.8%	57.9%	73.0%
Lares	59.9%	68.5%	57.0%	56.6%	59.1%	68.2%	67.0%	68.5%	58.2%	77.0%
Orocovis	62.4%	75.2%	57.2%	57.7%	54.4%	74.9%	78.9%	73.7%	61.4%	70.4%
Guánica	63.7%	71.1%	61.1%	62.1%	57.4%	70.8%	76.1%	69.0%	62.1%	76.9%
Maricao	64.7%	79.2%	59.2%	58.4%	63.5%	78.7%	81.2%	77.9%	62.7%	80.4%

Source: 2006-2010 American Community Survey 5-Year Estimates

D. Educational attainment for population 25 years or more, Puerto Rico and selected municipalities

More than 70% of the population over 25 years of age has at least high school. Furthermore, a higher percentage of females have at least a bachelor degree when compared with males (26.6% vs. 19.5%). There are 19 municipalities with a percentage of 40% or more of people without high school diploma (Vega Alta, Hatillo, Camuy, Vega Baja, Añasco, San Lorenzo, Morovis, Rincón, Adjuntas, Orocovis, Aguada, Comerío, Maunabo, Lajas, Ciales, Lares, Maricao, San Sebastián, and Las Marías). Among these, Las Marías has the highest percent (50.7%) of people without high school diploma. Finally, Trujillo Alto (31.7%), San Juan (31.9%), and Guaynabo (40%) are the only municipalities in which at least 30% of their population over 25 years of age has a bachelor degree or more.

Educational Attainment for Puerto Rico, 2011

Educational attainment	Total
Population 25 years and over	2,443,515
Less than high school diploma	28.9%
High school graduate (includes equivalency)	26.5%
Some college or associate's degree	21.3%
Bachelor's degree	17.0%
Graduate or professional degree	6.3%
High school graduate or higher	71.1%
Male, high school graduate or higher	68.8%
Female, high school graduate or higher	73.1%
Bachelor's degree or higher	23.3%
Male, bachelor's degree or higher	19.5%
Female, bachelor's degree or higher	26.6%

Source: 2011 American Community Survey 1-Year Estimates

Lowest and Highest Municipalities with Population over 25 years of Age having Bachelor's Degree, Puerto Rico 2006-2011

Municipality	Some college or associate's degree		Bachelor's degree		Graduate or professional degree	
	Total	Percent (%)	Total	Percent (%)	Total	Percent (%)
Añasco	2,634	2.2%	2,442	2.0%	553	0.5%
Culebra	302	0.4%	177	0.3%	24	0.0%
Adjuntas	2,408	5.0%	1,482	3.1%	300	0.6%
Maunabo	1,488	1.1%	667	0.5%	224	0.2%
Aguas Buenas	3,519	7.9%	2,424	5.4%	520	1.2%
Puerto Rico	507,399	20.9%	383,666	15.8%	137,306	5.7%
Isabela	5,716	48.3%	3,671	31.0%	1,137	9.6%
Caguas	20,762	102.2%	17,262	85.0%	6,640	32.7%
Ponce	21,144	549.2%	19,140	497.1%	6,312	163.9%
Guaynabo	12,908	45.3%	17,365	61.0%	9,667	34.0%
San Juan	59,793	930.3%	55,228	859.3%	31,758	494.1%

Source: 2006-2010 American Community Survey 5-Year Estimates

IV. Health profile

The data of this section is from the Puerto Rico Health Department and the Behavioral Risk Factor System (BRFSS).

A. Vital events

During the last 11 years, there were dramatic changes in the vital events rates. Live births rate decreased nearly 28%, from 15.6/1,000 people to 11.3/1,000 people. During that period, there was a slight increase of 4% in mortality rates, and a decrease in infant mortality rates. Maternal death rates have been unstable during this period; the lowest rate was in 2006 (4.1/100,000 live births), and the highest in 2000 (20.2/100,000 live births). Fetal death rates decreased 6.4% during these years. However, the rate of infant mortality is 8.2/1,000 live births and the rate of fetal deaths was 10.2/1,000 live births and fetal deaths in 2008. This rate is almost 2 times higher than the target of Healthy People 2020. Finally, while marriage rates decreased 33.5% during the period, divorced rates remained stable with a small reduction of 0.8%.

Births

In Puerto Rico, between 2009 and 2010, there were only nine municipalities (Cabo Rojo, Canóvanas, Guánica, Guayanilla, Hormigueros, Patillas, Peñuelas, Vieques, and Yauco) with an increase in their live births rates. Among these, Hormigueros had the highest increase (11%). However, Rincón and Maricao had the highest decrease in live births (30% vs. 31%). For 2009 and 2010, we calculated a birth-death rate difference to determine the natural increase of the population. Additionally, we calculated a birth-death ratio to determine net births in each municipality. In 2009, the lowest birth-death rate difference occurred in Arecibo (73.3), while the highest was in Maunabo (870.8). In the same year, Toa Alta had the highest birth death ratio, with 2.7 births for every death. In 2010, preliminary data showed that Peñuelas had the highest birth-death rate difference (743.3). Toa Alta remained with the highest birth-death ratio with 2.4:1. On the other hand, Mayaguez had a dramatic decrease in live births; the birth-death rate difference was -6.8 and the birth-death ratio was 0.99:1. The latter means that Mayaguez had more deaths than live births in 2010.

a) Maternal and child health

Healthy People 2020 have several objectives for this area. One of these objectives is to decrease low birth weight to 7.8%. Another main target is to decrease infant deaths to 6.0/1,000 live births. In addition to these measures, this section presents data related to teenage mothers.

(1) Teens birth rate for Puerto Rico and selected municipalities

In 2009, Vieques had the highest proportion of teenage mothers (34.9%), while Guaynabo had the lowest proportion (12.9%). Preliminary data for 2010 shows that Vieques remains with the highest proportion of adolescent mothers (27.7%) and Culebra had the lowest proportion (5%). Finally, Guaynabo had the second lowest rate of teenage mothers (11.2%).

(2) Infant with low birth weight for Puerto Rico and municipalities

In 2010, there were 12.6% of infants born with low birth weight. In the same year, the municipalities with the highest proportion of low birth weight newborns were Maricao (27.3%) and Maunabo (18.2%). Dorado had the lowest proportion of low birth weight (7.8%). Finally, Aguas Buenas, Arecibo, Canóvanas, Guaynabo, Las Marías, Manatí, and Vega Baja had more than 20% of newborns with a birth weight over 3,500 grams.

(3) Infant mortality rate for Puerto Rico and selected municipalities

In 2008, the infant mortality in Puerto Rico was 8.8 per 1,000 live births. In the same year, Hormigueros had the highest male infant mortality rate 63.8/1,000 live births, while Humacao has the lowest (2.6/1,000 live births). Female infant mortality rate was higher in Culebra (66.7/1,000 live births), while the lowest was in Isabela (2.1/1,000 live births).

Vital Statistics in Puerto Rico, years 2000 to 2010

Year	* Population	Live births		Mortality		Infant mortality	
		Total	Rate 1/	Total	Rate 1/	Total	Rate 2/
2000	3,810,605	59,542	15.6	28,847	7.6	589	9.9
2001	3,818,774	56,063	14.7	28,438	7.7	515	9.2
2002	3,823,701	52,911	13.8	28,416	7.4	516	9.8
2003	3,826,095	50,851	13.3	28,843	7.5	498	9.8
2004	3,826,878	51,271	13.4	29,601	7.7	416	8.1
2005	3,821,362	50,714	13.3	29,979	7.8	472	9.3
2006	3,805,214	48,772	12.8	28,637	7.5	442	9.1
2007	3,782,995	46,748	12.4	29,332	7.8	400	8.6
2008	3,760,866	45,689	12.1	29,100	7.7	400	8.8
2009	3,740,410	44,830	12.0	29,126	7.8	-	-
2010	3,721,978	42,203	11.3	29,290	7.9	-	-

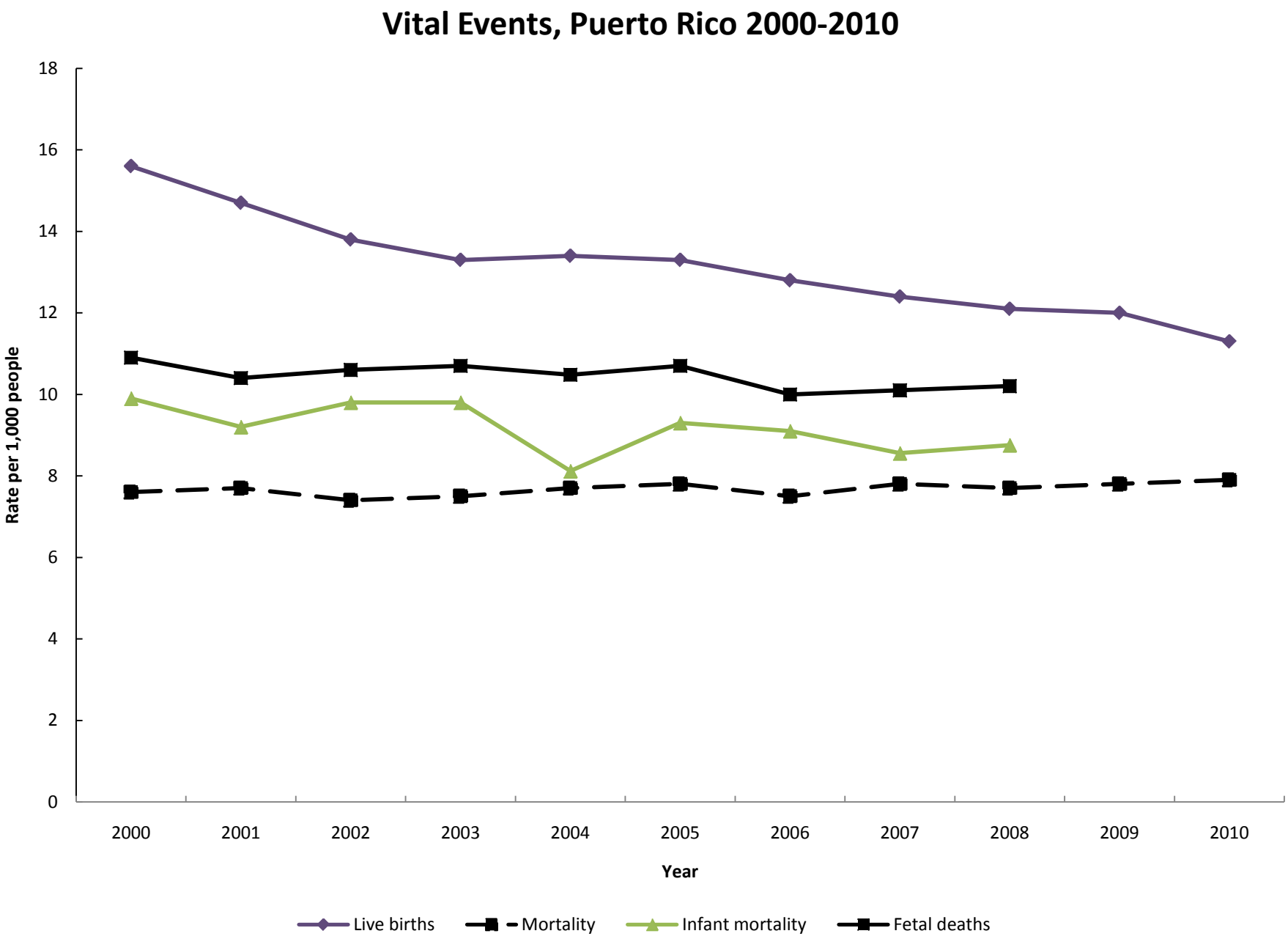
Year	Maternal deaths		Fetal deaths		Marriages		Divorces	
	Total	Rate 3/	Total	Rate 3/	Total	**Rate	Total	**Rate
2000	12	20.2	651	10.9	25,980	8.9	13,621	4.7
2001	5	8.9	584	10.4	28,598	9.8	13,870	4.7
2002	4	7.6	566	10.6	25,645	8.7	14,578	5.0
2003	7	13.8	548	10.7	25,236	8.5	14,225	4.8
2004	9	17.6	537	10.5	23,650	8.0	15,197	5.1
2005	3	5.9	548	10.7	23,511	7.9	15,816	5.3
2006	2	4.1	493	10.0	23,185	7.8	14,826	5.0
2007	12	25.7	477	10.1	21,613	7.2	15,113	5.1
2008	5	10.9	471	10.2	18,620	6.2	14,849	5.0
2009	9	20.1	-	-	18,405	6.2	14,703	4.9
2010	6	14.2	-	-	17,786	5.9	13,913	4.6

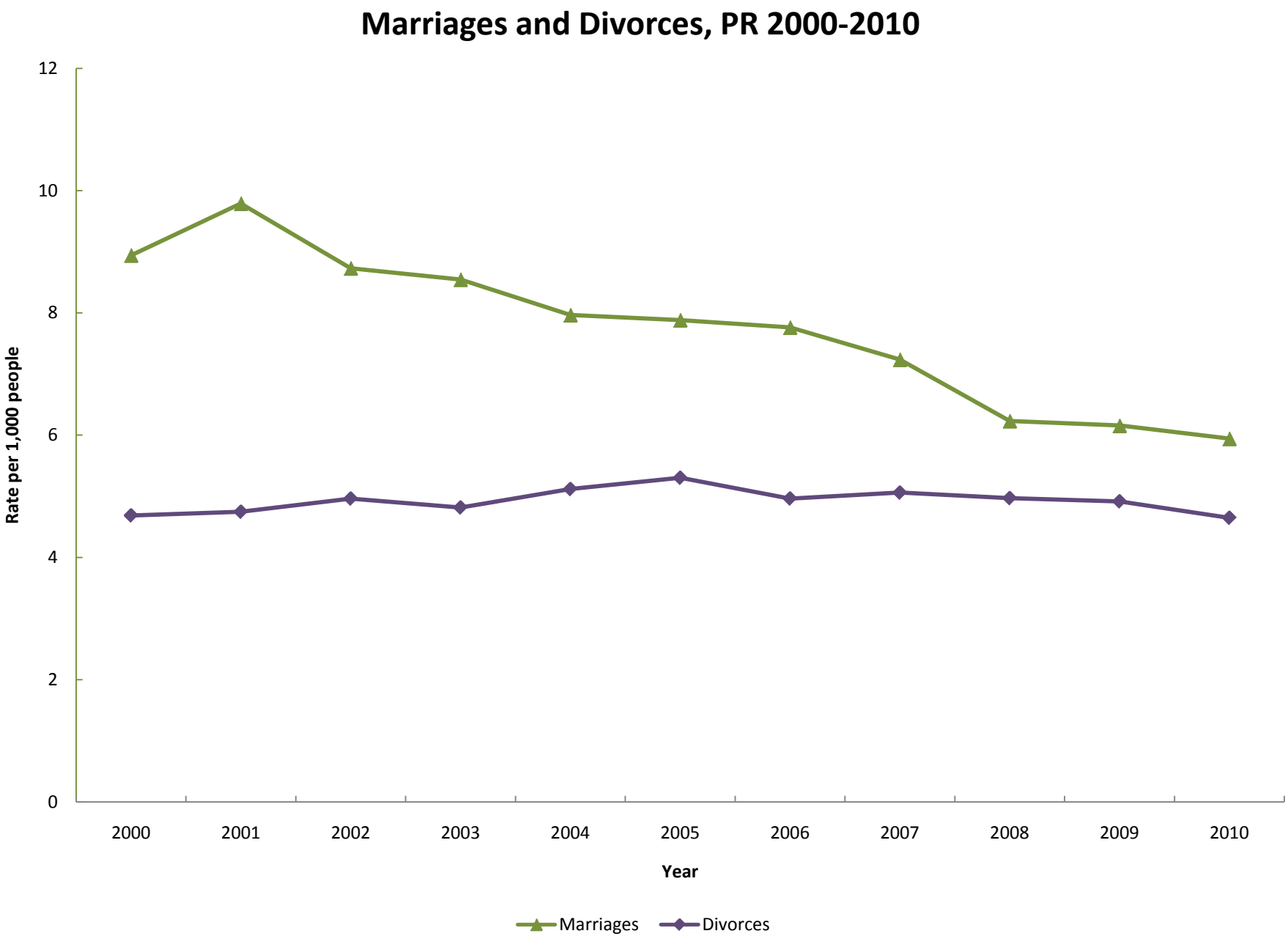
* Estimate at July 1. 1/Rate per 1,000 inhabitants. 2/Rate per 1,000 live births.

3/Rate per 100,000 live births and fetal deaths 4/ Rate per 1,000 live births and fetal deaths

**Rate per 1,000 inhabitants ≥ 15 years

Source: Departamento de Salud, Secretaría Auxiliar de Planificación y Desarrollo, División de Análisis Estadístico, San Juan, Puerto Rico. Data for 2009 and 2010 are preliminary. U.S. Census Bureau (Released 2011)


Vital Events, Puerto Rico 2000-2010
Rate per 1,000 people
18
16
14
12
10
8
6
4
2
0
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
Year
Live births
Mortality
Infant mortality
Fetal deaths


Marriages and Divorces, PR 2000-2010
Rate per 1,000 people
12
10
8
6
4
2
0
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
Year
Marriages
Divorces

Birthweight of Newborns by Mothers' Municipality of Residence, Puerto Rico 2010

Municipality	Birthweight								Total
	Low birth weight (< 2,500 g)		Normal weight Peso saludable (2,500 gs - 3,499 g)		≥ 3,500 grams		Unknown		
	Total	%	Total	%	Total	%	Total	%	
Adjuntas	22	10.9	149	73.8	31	15.3	-	-	202
Aguada	43	10.4	310	74.7	62	14.9	-	-	415
Aguadilla	88	14.6	419	69.6	95	15.8	-	-	602
Aguas Buenas	39	11.7	221	66.4	73	21.9	-	-	333
Aibonito	36	10.8	242	72.9	54	16.3	-	-	332
Añasco	35	11.2	239	76.4	39	12.5	-	-	313
Arecibo	117	11.8	675	68.1	199	20.1	-	-	991
Arroyo	27	11.4	177	74.7	33	13.9	-	-	237
Barceloneta	34	11.6	206	70.1	52	17.7	2	0.7	294
Barranquitas	40	10.2	294	74.6	60	15.2	-	-	394
Bayamón	280	11.9	1,673	71.0	402	17.1	-	-	2,355
Cabo Rojo	81	15.2	363	68.2	88	16.5	-	-	532
Caguas	208	12.7	1,182	72.1	249	15.2	1	0.1	1,640
Camuy	51	14.3	247	69.2	59	16.5	-	-	357
Canóvanas	91	13.5	436	64.8	146	21.7	-	-	673
Carolina	225	11.5	1,344	68.9	381	19.5	1	0.1	1,951
Cataño	38	11.7	234	72.0	53	16.3	-	-	325
Cayey	50	9.2	395	72.9	96	17.7	1	0.2	542
Ceiba	21	13.2	117	73.6	21	13.2	-	-	159
Ciales	33	13.5	174	71.3	36	14.8	1	0.4	244
Cidra	75	13.8	376	69.2	92	16.9	-	-	543
Coamo	53	11.0	375	77.5	56	11.6	-	-	484
Comerío	25	11.2	169	75.8	29	13.0	-	-	223
Corozal	71	14.4	362	73.6	59	12.0	-	-	492
Culebra	2	10.0	17	85.0	1	5.0	-	-	20
Dorado	35	7.8	331	73.7	83	18.5	-	-	449
Fajardo	60	13.1	328	71.5	71	15.5	-	-	459
Florida	19	12.9	108	73.5	20	13.6	-	-	147
Guánica	40	17.8	155	68.9	30	13.3	-	-	225
Guayama	56	10.9	384	75.0	72	14.1	-	-	512
Guayanilla	44	16.1	193	70.4	37	13.5	-	-	274
Guaynabo	108	11.0	656	66.7	219	22.3	-	-	983
Gurabo	54	10.9	352	71.0	90	18.1	-	-	496
Hatillo	51	11.9	299	70.0	77	18.0	-	-	427
Hormigueros	33	17.8	126	68.1	26	14.1	-	-	185
Humacao	90	13.1	498	72.6	98	14.3	-	-	686

Birthweight of Newborns by Mothers' Municipality of Residence, Puerto Rico 2010

Municipality	Birthweight								Total
	Low birth weight (< 2,500 g)		Normal weight Peso saludable (2,500 gs - 3,499 g)		≥ 3,500 grams		Unknown		
	Total	%	Total	%	Total	%	Total	%	
Isabela	55	11.7	322	68.7	92	19.6	-	-	469
Jayuya	32	14.5	147	66.5	41	18.6	1	0.5	221
Juana Díaz	83	13.5	444	72.2	88	14.3	-	-	615
Juncos	72	16.2	304	68.3	69	15.5	-	-	445
Lajas	41	15.2	200	74.1	29	10.7	-	-	270
Lares	46	14.0	237	72.3	45	13.7	-	-	328
Las Marías	12	9.8	86	69.9	25	20.3	-	-	123
Las Piedras	61	13.2	340	73.8	60	13.0	-	-	461
Loíza	41	12.8	231	72.2	48	15.0	-	-	320
Luquillo	35	14.5	164	67.8	43	17.8	-	-	242
Manatí	59	11.6	323	63.6	126	24.8	-	-	508
Maricao	12	27.3	26	59.1	6	13.6	-	-	44
Maunabo	26	18.2	102	71.3	15	10.5	-	-	143
Mayagüez	115	13.3	613	71.1	134	15.5	-	-	862
Moca	70	15.3	319	69.5	68	14.8	2	0.4	459
Morovis	49	12.5	272	69.6	70	17.9	-	-	391
Naguabo	44	13.8	225	70.5	50	15.7	-	-	319
Naranjito	43	11.5	287	76.5	44	11.7	1	0.3	375
Orocovis	34	11.3	223	74.3	43	14.3	-	-	300
Patillas	23	10.8	150	70.8	39	18.4	-	-	212
Peñuelas	46	13.5	241	70.9	53	15.6	-	-	340
Ponce	246	11.7	1,511	71.7	349	16.6	1	0.0	2,107
Quebradillas	33	10.9	213	70.3	57	18.8	-	-	303
Rincón	14	10.9	89	69.5	25	19.5	-	-	128
Río Grande	70	11.9	411	69.7	108	18.3	1	0.2	590
Sábana Grande	48	16.3	205	69.5	42	14.2	-	-	295
Salinas	48	12.7	268	71.1	61	16.2	-	-	377
San Germán	64	16.4	275	70.3	52	13.3	-	-	391
San Juan	529	12.3	2,940	68.3	837	19.4	1	0.0	4,307
San Lorenzo	72	16.7	292	67.9	66	15.3	-	-	430
San Sebastían	70	15.6	311	69.4	67	15.0	-	-	448
Santa Isabel	40	13.7	204	70.1	47	16.2	-	-	291
Toa Alta	99	12.2	566	69.5	148	18.2	1	0.1	814
Toa Baja	120	12.0	726	72.7	152	15.2	-	-	998
Trujillo Alto	115	14.0	553	67.4	152	18.5	1	0.1	821
Utuado	39	10.9	269	74.9	51	14.2	-	-	359

Birthweight of Newborns by Mothers' Municipality of Residence, Puerto Rico 2010

Municipality	Birthweight								Total
	Low birth weight (< 2,500 g)		Normal weight Peso saludable (2,500 gs - 3,499 g)		≥ 3,500 grams		Unknown		
	Total	%	Total	%	Total	%	Total	%	
Vega Alta	48	10.0	341	71.3	89	18.6	-	-	478
Vega Baja	67	10.2	459	69.5	134	20.3	-	-	660
Vieques	19	14.6	98	75.4	13	10.0	-	-	130
Villalba	37	12.0	224	72.5	48	15.5	-	-	309
Yabucoa	70	17.0	294	71.5	47	11.4	-	-	411
Yauco	89	17.8	342	68.5	68	13.6	-	-	499
Fuera de P.R.	16	14.4	53	47.7	42	37.8	-	-	111
No esp.	2	66.7	-	-	-	-	1	33.3	3
Total	5,329	12.6	29,726	70.4	7,132	16.9	16	0.0	42,203

Source: Departamento de Salud, Secretaría Auxiliar de Planificación y Desarrollo, División de Análisis Estadístico, San Juan, Puerto Rico.

Preliminary data

Live Births in Mothers Younger Than 20 Years of Age by Municipality of Residence, Puerto Rico 2009-2010

Municipalities	2009		2010	
	Número	%	Número	%
Culebra	3	14.3	1	5.0
Guaynabo	134	12.9	110	11.2
Hormigueros	22	13.3	23	12.4
Ceiba	27	16.4	20	12.6
Toa Alta	118	13.2	103	12.7
Puerto Rico	8,098	18.1	7,204	17.1
Utuado	115	26.4	88	24.5
Patillas	35	17.3	52	24.5
Cataño	104	29.1	80	24.6
Florida	46	25.6	40	27.2
Vieques	44	34.9	36	27.7

Source: Departamento de Salud, Secretaría Auxiliar de Planificación y Desarrollo, División de Análisis Estadístico, San Juan, Puerto Rico. Negociado del Censo de los Estados Unidos (Released 2011)

Infant Mortality Rate by Gender and Municipality of Residence of the Mother, Puerto Rico 2008

Municipality	Male		Female		Total	
	Total	Rate*	Total	Rate*	Total	Rate*
Adjuntas	-	-	-	-	-	-
Aguada	1	4.4	2	8.3	3	6.4
Aguadilla	3	9.1	3	8.7	6	8.9
Aguas Buenas	2	10.3	-	-	2	5.7
Aibonito	2	11.4	-	-	2	5.3
Añasco	1	7.0	-	-	1	3.2
Arecibo	4	7.4	2	3.9	6	5.7
Arroyo	3	22.1	1	8.1	4	15.4
Barceloneta	-	-	1	6.9	1	3.4
Barranquitas	2	8.3	1	4.7	3	6.6
Bayamón	8	6.0	6	5.0	14	5.5
Cabo Rojo	2	7.3	1	4.0	3	5.8
Caguas	5	5.6	10	11.6	15	8.6
Camuy	-	-	1	5.7	1	2.8
Canóvanas	3	9.2	2	5.8	5	7.4
Carolina	10	9.7	8	8.0	18	8.9
Cataño	3	14.9	2	11.2	5	13.2
Cayey	4	13.5	2	7.1	6	10.3
Ceiba	2	29.4	-	-	2	14.5
Ciales	2	12.6	1	7.5	3	10.2
Cidra	1	3.5	1	3.9	2	3.7
Coamo	3	10.5	-	-	3	5.4
Comerío	1	7.7	1	6.7	2	7.2
Corozal	2	8.2	1	3.9	3	6.0
Culebra	-	-	1	90.9	1	66.7
Dorado	3	11.8	-	-	3	6.1
Fajardo	8	32.3	4	16.3	12	24.3
Florida	-	-	-	-	-	-
Guánica	9	63.8	-	-	9	34.5
Guayama	3	10.1	-	-	3	5.2
Guayanilla	-	-	-	-	-	-
Guaynabo	6	10.0	9	17.6	15	13.5
Gurabo	4	14.8	-	-	4	7.6
Hatillo	2	8.1	1	4.9	3	6.6
Hormigueros	3	46.2	-	-	3	18.8
Humacao	1	2.6	3	7.9	4	5.2
Isabela	-	-	1	4.3	1	2.1
Jayuya	2	16.9	1	7.4	3	11.9
Juana Díaz	4	12.0	3	10.1	7	11.1
Juncos	2	8.0	-	-	2	4.0

Infant Mortality Rate by Gender and Municipality of Residence of the Mother, Puerto Rico 2008

Municipality	Male		Female		Total	
	Total	Rate*	Total	Rate*	Total	Rate*
Lajas	1	6.5	1	7.4	2	6.9
Lares	-	-	-	-	-	-
Las Marías	-	-	-	-	-	-
Las Piedras	3	11.1	3	13.0	6	12.0
Loíza	-	-	2	11.0	2	5.5
Luquillo	2	15.3	3	22.2	5	18.8
Manatí	4	13.3	1	3.6	5	8.7
Maricao	1	20.0	-	-	1	12.3
Maunabo	-	-	1	13.7	1	7.1
Mayagüez	7	14.9	6	13.3	13	14.1
Moca	3	11.9	3	12.9	6	12.3
Morovis	-	-	1	4.4	1	2.2
Naguabo	-	-	3	16.7	3	8.0
Naranjito	4	19.9	2	8.7	6	14.0
Orocovis	2	12.1	1	6.9	3	9.7
Patillas	1	6.5	1	8.6	2	7.4
Peñuelas	2	9.9	2	10.4	4	10.1
Ponce	9	8.2	14	12.4	23	10.3
Quebradillas	1	5.5	1	6.1	2	5.8
Rincón	3	31.9	2	25.3	5	28.9
Río Grande	4	10.9	2	6.1	6	8.7
Sábana Grande	-	-	4	24.5	4	12.1
Salinas	3	16.3	2	9.3	5	12.5
San Germán	3	14.4	2	9.2	5	11.7
San Juan	27	11.7	21	9.6	48	10.7
San Lorenzo	3	12.3	2	9.5	5	11.0
San Sebastián	1	3.5	2	7.7	3	5.5
Santa Isabel	2	10.8	-	-	2	6.0
Toa Alta	4	9.7	1	2.3	5	5.9
Toa Baja	5	8.2	10	18.8	15	13.2
Trujillo Alto	6	13.5	2	5.0	8	9.5
Utuado	-	-	-	-	-	-
Vega Alta	3	11.3	1	4.3	4	8.0
Vega Baja	2	4.7	3	8.0	5	6.2
Vieques	-	-	-	-	-	-
Villalba	1	5.2	1	5.5	2	5.4
Yabucoa	1	3.9	1	4.2	2	4.0
Yauco	2	8.8	3	12.6	5	10.7
Fuera de P.R.	4	-	2	-	6	-
Total	225	4.9	175	3.8	400	8.8

*Rate per 1,000 live births

Source: Departamento de Salud, Secretaría Auxiliar de Planificación y Desarrollo, División de Análisis Estadístico, San Juan, Puerto Rico.

Preliminary data

Births and Deaths Rate by Municipality for 2009 and 2010

Municipality	2009						
	Population	Births		Deaths		Rate difference	Birth-Death ratio
		Total	Rate*	Total	Rate*		
Adjuntas	19,501	257	1317.9	132	676.9	641.0	1.9
Aguada	42,070	456	1083.9	296	703.6	380.3	1.5
Aguadilla	61,353	692	1127.9	541	881.8	246.1	1.3
Aguas Buenas	28,724	341	1187.2	223	776.4	410.8	1.5
Aibonito	26,007	346	1330.4	220	845.9	484.5	1.6
Añasco	29,259	312	1066.3	176	601.5	464.8	1.8
Arecibo	96,912	1,021	1053.5	950	980.3	73.3	1.1
Arroyo	19,588	284	1449.9	138	704.5	745.4	2.1
Barceloneta	24,693	303	1227.1	188	761.3	465.7	1.6
Barranquitas	30,303	447	1475.1	205	676.5	798.6	2.2
Bayamón	209,750	2,527	1204.8	1,791	853.9	350.9	1.4
Cabo Rojo	50,738	516	1017.0	413	814.0	203.0	1.2
Caguas	143,053	1,707	1193.3	1,034	722.8	470.5	1.7
Camuy	35,253	418	1185.7	285	808.4	377.3	1.5
Canóvanas	47,428	638	1345.2	313	659.9	685.2	2.0
Carolina	177,791	1,995	1122.1	1,404	789.7	332.4	1.4
Cataño	28,358	357	1258.9	239	842.8	416.1	1.5
Cayey	48,165	584	1212.5	369	766.1	446.4	1.6
Ceiba	13,987	165	1179.7	95	679.2	500.5	1.7
Ciales	18,900	274	1449.7	142	751.3	698.4	1.9
Cidra	43,524	548	1259.1	273	627.2	631.8	2.0
Coamo	40,394	486	1203.1	277	685.7	517.4	1.8
Comerío	20,775	265	1275.6	142	683.5	592.1	1.9
Corozal	37,216	509	1367.7	262	704.0	663.7	1.9
Culebra	1,825	21	1150.7	13	712.3	438.4	1.6
Dorado	37,937	512	1349.6	226	595.7	753.9	2.3
Fajardo	37,346	467	1250.5	346	926.5	324.0	1.3
Florida	12,682	180	1419.3	80	630.8	788.5	2.3
Guánica	19,653	225	1144.9	183	931.2	213.7	1.2
Guayama	45,365	557	1227.8	319	703.2	524.6	1.7
Guayanilla	21,742	272	1251.0	163	749.7	501.3	1.7
Guaynabo	98,303	1,037	1054.9	768	781.3	273.6	1.4
Gurabo	44,832	518	1155.4	239	533.1	622.3	2.2
Hatillo	41,818	460	1100.0	326	779.6	320.4	1.4
Hormigueros	17,227	166	963.6	142	824.3	139.3	1.2
Humacao	58,650	698	1190.1	450	767.3	422.8	1.6
Isabela	45,653	501	1097.4	376	823.6	273.8	1.3
Jayuya	16,729	241	1440.6	108	645.6	795.0	2.2
Juana Díaz	50,863	619	1217.0	336	660.6	556.4	1.8
Juncos	40,098	493	1229.5	264	658.4	571.1	1.9
Lajas	25,852	285	1102.4	217	839.4	263.0	1.3
Lares	31,101	363	1167.2	230	739.5	427.6	1.6

Births and Deaths Rate by Municipality for 2009 and 2010

Municipality	2009						
	Population	Births		Deaths		Rate difference	Birth-Death ratio
		Total	Rate*	Total	Rate*		
Las Marías	9,994	137	1370.8	72	720.4	650.4	1.9
Las Piedras	38,448	491	1277.0	253	658.0	619.0	1.9
Loíza	30,328	361	1190.3	186	613.3	577.0	1.9
Luquillo	20,090	242	1204.6	176	876.1	328.5	1.4
Manatí	44,320	601	1356.0	354	798.7	557.3	1.7
Maricao	6,298	64	1016.2	44	698.6	317.6	1.5
Maunabo	12,288	190	1546.2	83	675.5	870.8	2.3
Mayagüez	89,945	960	1067.3	855	950.6	116.7	1.1
Moca	40,179	476	1184.7	244	607.3	577.4	2.0
Morovis	32,503	415	1276.8	174	535.3	741.5	2.4
Naguabo	26,559	329	1238.8	221	832.1	406.6	1.5
Naranjito	30,420	384	1262.3	191	627.9	634.5	2.0
Orocovis	23,517	313	1331.0	174	739.9	591.1	1.8
Patillas	19,389	202	1041.8	172	887.1	154.7	1.2
Peñuelas	24,523	334	1362.0	167	681.0	681.0	2.0
Ponce	168,186	2,280	1355.6	1,466	871.7	484.0	1.6
Quebradillas	25,934	306	1179.9	176	678.6	501.3	1.7
Rincón	15,202	183	1203.8	130	855.2	348.6	1.4
Río Grande	54,281	614	1131.2	369	679.8	451.4	1.7
Sabana	25,376	306	1205.9	234	922.1	283.7	1.3
Salinas	31,161	406	1302.9	245	786.2	516.7	1.7
San Germán	35,720	406	1136.6	328	918.3	218.4	1.2
San Juan	399,153	4,487	1124.1	3,671	919.7	204.4	1.2
San Lorenzo	41,150	451	1096.0	308	748.5	347.5	1.5
San Sebastían	42,651	521	1221.5	382	895.6	325.9	1.4
Santa Isabel	23,209	317	1365.8	150	646.3	719.5	2.1
Toa Alta	73,522	894	1216.0	336	457.0	759.0	2.7
Toa Baja	90,123	1,039	1152.9	589	653.6	499.3	1.8
Trujillo Alto	75,097	916	1219.8	429	571.3	648.5	2.1
Utuado	33,381	436	1306.1	237	710.0	596.1	1.8
Vega Alta	39,884	493	1236.1	276	692.0	544.1	1.8
Vega Baja	59,979	700	1167.1	432	720.3	446.8	1.6
Vieques	9,305	126	1354.1	90	967.2	386.9	1.4
Villalba	26,276	329	1252.1	150	570.9	681.2	2.2
Yabucoa	38,124	457	1198.7	279	731.8	466.9	1.6
Yauco	42,477	478	1125.3	346	814.6	310.8	1.4
Not in P.R.	-	122	-	123	-	-	-
Unknown	-	1	-	120	-	-	-
Total	3,740,410	44,830	1198.5	29,126	778.7	419.8	1.5

Source: Departamento de Salud, Secretaría Auxiliar de Planificación y Desarrollo, División de Análisis Estadístico, San Juan, Puerto Rico. U.S. Census Bureau (Released 2011)

* Rate by 100,000 inhabitants. Population from 2009 comes from the U.S. Census Bureau Intercensal estimates. Population for 2010 are the revised population for 2010 publised in 2011. This data is preliminary and has not been published

Births and Deaths Rate by Municipality for 2009 and 2010

Municipality	2010						
	Population	Births		Deaths		Rate difference	Birth-Death
		Total	Rate*	Total	Rate*		
Adjuntas	19,480	202	1037.0	136	698.2	338.8	1.5
Aguada	41,920	415	990.0	281	670.3	319.7	1.5
Aguadilla	60,807	602	990.0	517	850.2	139.8	1.2
Aguas Buenas	28,653	333	1162.2	180	628.2	534.0	1.9
Aibonito	25,873	332	1283.2	233	900.6	382.6	1.4
Añasco	29,274	313	1069.2	228	778.8	290.4	1.4
Arecibo	96,311	991	1029.0	819	850.4	178.6	1.2
Arroyo	19,582	237	1210.3	137	699.6	510.7	1.7
Barceloneta	24,861	294	1182.6	206	828.6	354.0	1.4
Barranquitas	30,344	394	1298.4	194	639.3	659.1	2.0
Bayamón	207,630	2,355	1134.2	1,718	827.4	306.8	1.4
Cabo Rojo	50,970	532	1043.8	483	947.6	96.1	1.1
Caguas	142,853	1,640	1148.0	1,132	792.4	355.6	1.4
Camuy	35,137	357	1016.0	247	703.0	313.1	1.4
Canóvanas	47,727	673	1410.1	354	741.7	668.4	1.9
Carolina	176,436	1,951	1105.8	1,431	811.1	294.7	1.4
Cataño	28,083	325	1157.3	213	758.5	398.8	1.5
Cayey	48,098	542	1126.9	380	790.1	336.8	1.4
Ceiba	13,593	159	1169.7	127	934.3	235.4	1.3
Ciales	18,753	244	1301.1	137	730.5	570.6	1.8
Cidra	43,491	543	1248.5	237	544.9	703.6	2.3
Coamo	40,585	484	1192.6	272	670.2	522.4	1.8
Comerío	20,783	223	1073.0	145	697.7	375.3	1.5
Corozal	37,146	492	1324.5	248	667.6	656.9	2.0
Culebra	1,816	20	1101.3	14	770.9	330.4	1.4
Dorado	38,233	449	1174.4	244	638.2	536.2	1.8
Fajardo	36,894	459	1244.1	338	916.1	328.0	1.4
Florida	12,680	147	1159.3	86	678.2	481.1	1.7
Guánica	19,368	225	1161.7	174	898.4	263.3	1.3
Guayama	45,359	512	1128.8	330	727.5	401.2	1.6
Guayanilla	21,541	274	1272.0	176	817.0	454.9	1.6
Guaynabo	97,793	983	1005.2	785	802.7	202.5	1.3
Gurabo	45,574	496	1088.3	268	588.1	500.3	1.9
Hatillo	42,007	427	1016.5	294	699.9	316.6	1.5
Hormigueros	17,262	185	1071.7	167	967.4	104.3	1.1
Humacao	58,396	686	1174.7	481	823.7	351.1	1.4
Isabela	45,627	469	1027.9	357	782.4	245.5	1.3
Jayuya	16,619	221	1329.8	105	631.8	698.0	2.1
Juana Díaz	50,728	615	1212.3	346	682.1	530.3	1.8
Juncos	40,360	445	1102.6	282	698.7	403.9	1.6
Lajas	25,722	270	1049.7	266	1034.1	15.6	1.0
Lares	30,652	328	1070.1	256	835.2	234.9	1.3

Births and Deaths Rate by Municipality for 2009 and 2010

Municipality	2010						
	Population	Births		Deaths		Rate difference	Birth-Death
		Total	Rate*	Total	Rate*		
Las Marías	9,857	123	1247.8	62	629.0	618.8	2.0
Las Piedras	38,760	461	1189.4	260	670.8	518.6	1.8
Loíza	30,006	320	1066.5	161	536.6	529.9	2.0
Luquillo	20,070	242	1205.8	145	722.5	483.3	1.7
Manatí	44,043	508	1153.4	362	821.9	331.5	1.4
Maricao	6,267	44	702.1	43	686.1	16.0	1.0
Maunabo	12,210	143	1171.2	100	819.0	352.2	1.4
Mayagüez	88,796	862	970.8	868	977.5	-6.8	0.99
Moca	40,103	459	1144.6	231	576.0	568.5	2.0
Morovis	32,660	391	1197.2	181	554.2	643.0	2.2
Naguabo	26,791	319	1190.7	194	724.1	466.6	1.6
Naranjito	30,413	375	1233.0	200	657.6	575.4	1.9
Orocovis	23,415	300	1281.2	139	593.6	687.6	2.2
Patillas	19,247	212	1101.5	169	878.1	223.4	1.3
Peñuelas	24,220	340	1403.8	159	656.5	747.3	2.1
Ponce	165,806	2,107	1270.8	1,434	864.9	405.9	1.5
Quebradillas	25,919	303	1169.0	207	798.6	370.4	1.5
Rincón	15,201	128	842.0	110	723.6	118.4	1.2
Río Grande	54,290	590	1086.8	412	758.9	327.9	1.4
Sabana	25,245	295	1168.5	214	847.7	320.9	1.4
Salinas	31,064	377	1213.6	230	740.4	473.2	1.6
San Germán	35,471	391	1102.3	344	969.8	132.5	1.1
San Juan	394,193	4,307	1092.6	3,661	928.7	163.9	1.2
San Lorenzo	41,037	430	1047.8	323	787.1	260.7	1.3
San Sebastían	42,353	448	1057.8	356	840.6	217.2	1.3
Santa Isabel	23,301	291	1248.9	153	656.6	592.2	1.9
Toa Alta	74,252	814	1096.3	340	457.9	638.4	2.4
Toa Baja	89,439	998	1115.8	642	717.8	398.0	1.6
Trujillo Alto	74,760	821	1098.2	467	624.7	473.5	1.8
Utuado	33,079	359	1085.3	278	840.4	244.9	1.3
Vega Alta	39,988	478	1195.4	272	680.2	515.2	1.8
Vega Baja	59,549	660	1108.3	437	733.8	374.5	1.5
Vieques	9,312	130	1396.0	68	730.2	665.8	1.9
Villalba	26,019	309	1187.6	163	626.5	561.1	1.9
Yabucoa	37,892	411	1084.7	277	731.0	353.6	1.5
Yauco	41,929	499	1190.1	358	853.8	336.3	1.4
Not in P.R.	-	111	-	140	-	-	-
Unknown	-	3	-	106	-	-	-
Total	3,721,978	42,203	1133.9	29,290	786.9	346.9	1.4

Source: Departamento de Salud, Secretaría Auxiliar de Planificación y Desarrollo, División de Análisis Estadístico, San Juan, Puerto Rico. U.S. Census Bureau (Released 2011)

* Rate by 100,000 inhabitants. Population from 2009 comes from the U.S. Census Bureau Intercensal estimates. Population for 2010 are the revised population for 2010 publised in 2011. This data is preliminary and has not been published

B. Mortality

The first three leading causes of death in Puerto Rico since the 1990s are heart diseases, malignant neoplasms, and diabetes mellitus. However, during this decade, heart diseases have decreased. For 2010, preliminary data showed that the difference between deaths by heart diseases and malignant neoplasms are 13 cases. Alzheimer's disease is the fourth leading cause of death, accounting for 6.4% of all deaths. In 2010, non-intentional accidents and homicides were among the leading 10 causes of death, which in combination accounted for 6.8% of all deaths. This percentage is higher than Alzheimer's disease. In 2010, the municipality of Lajas had the highest age-adjusted death rate (1,034/100,000 people), while the municipality of Toa Alta had the lowest age-adjusted death rate (458/100,000 people).

1. Cancer

Deaths by cancer have increased throughout the years. In 2010, the leading death by cancer were malignant neoplasms of the colon, rectum and anus (18.1/100,000 people) followed by malignant neoplasms of trachea, bronchus and lung (16.5/100,000 people). However, deaths by cancer differ among males and females. The leading causes of cancer deaths in males are (a) malignant neoplasm of prostate (23.2/100,000 males), (b) malignant neoplasms of trachea, bronchus and lung (23.2/100,000 males), and (c) malignant neoplasms of the colon, rectum and anus (21.1/100,000 males). In females, the leading causes of cancer death are (a) malignant neoplasm of ovary (15.3/100,000 females), (b) malignant neoplasms of corpus uteri and uterus, part unspecified (10.4/100,000 females), and (c) malignant neoplasm of cervix uteri (6.7/100,000 females).

2. Violent deaths

From 2000 to 2010, there were 13,160 accidents, 8,758 homicides, and 3,220 suicides, accounting for 25,138 violent deaths during the period. This total represents 7.9% of all deaths occurring from 2000 to 2010. Annually, the number of violent deaths and its corresponding rate has diminished. However, there are marked differences of deaths by cause. During these years, the unadjusted death rate by accidents decreased from 38.7/100,000 people in 2000 to 27.6/100,000 in 2010, a decrease of 28.6%. On the other hand, unadjusted homicide rates increased from 18.4/100,000 people in 2000 to 26/100,000 people in 2010; a 40% increase. Although the unadjusted rates of accidents and homicides differed considerably during 2000, in 2010 their unadjusted death rates were similar. Finally, unadjusted suicide rates decreased from 8.3/100,000 people in 2000 to 7.7/100,000 people in 2010; a 6.7% decrease.

Leading Causes of Death, Puerto Rico 2009-2010

Causes (ICD - 10)	2009				2010			
	Total	Percent	Rate*	Rank	Total	Percent	Rate*	Rank
Heart diseases (I00-I09, I11, I13, I20-I51)	5,206	17.9	139.2	1	5,208	17.8	139.9	1
Malignant neoplasms (C00-C97)	5,089	17.5	136.1	2	5,197	17.7	139.6	2
Diabetes mellitus (E10-E14)	2,811	9.7	75.2	3	2,959	10.1	79.5	3
Alzheimer's disease (G30)	1,599	5.5	42.7	4	1,863	6.4	50.1	4
Cerebrovascular diseases (I60–I69)	1,459	5.0	39.0	5	1,507	5.1	40.5	5
Chronic lower respiratory diseases [CLR] (J40-J47)	1,151	4.0	30.8	6	1,092	3.7	29.3	6
Accidents [non-intentional injuries] (V01-X59, Y85-Y86)	996	3.4	26.6	9	1,028	3.5	27.6	7
Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)	1,032	3.5	27.6	7	989	3.4	26.6	8
Homicides (X85-Y09, Y87.1,*U01-*U02)	921	3.2	24.6	10	967	3.3	26.0	9
Pneumonia and influenza (J09-J21)	1,018	3.5	27.2	8	821	2.8	22.1	10
Septicemia (A40-A41)	878	3.0	23.5	11	775	2.6	20.8	11
Hypertensive diseases (I10, I12, I15)	623	2.1	16.7	12	499	1.7	13.4	12
Human immunodeficiency virus (HIV) disease (B20–B24)	397	1.4	10.6	13	334	1.1	9.0	13
Pneumonitis(J69)	259	0.9	6.9	15	291	1.0	7.8	14
Suicide (X60-X84, Y87 0, *U03)	328	1.1	8.8	14	288	1.0	7.7	15
Chronic liver disease and cirrhosis (K70, K73-K74)	224	0.8	6.0	16	202	0.7	5.4	16
Anemias (D50-D64)	209	0.7	5.6	17	196	0.7	5.3	17
Certain conditions origaniting in the perinatal period (P00–P96)	206	0.7	5.5	18	194	0.7	5.2	18
In situ neoplasms, bening and unknown (D00-D48)	167	0.6	4.5	19	168	0.6	4.5	19
Unknown	105	0.4	2.8	-	4,710	16.1	126.5	-
Other cauces	4,448	15.3	118.9	-	2	0.0	0.1	-
Total	29,126	100.0	778.7	-	29,290	100.0	786.9	-

Source: Departamento de Salud, Secretaría Auxiliar de Planificación y Desarrollo, División de Análisis Estadístico, San Juan, Puerto Rico. Negociado del Censo de los Estados Unidos (Released 2011)

* Rate by 100,000 inhabitants, Preliminary data

Age-Adjusted and Unadjusted Leading Causes of Death, Puerto Rico, 2010

Underlying Cause of death (ICD - 10)	N	%	Rate*	
			Unadjusted	Adjusted
Heart diseases (I00-I09, I11, I13, I20-I51)	5,208	17.8	139.9	125.7
Malignant neoplasms (C00-C97)	5,197	17.7	139.6	123.8
Diabetes mellitus (E10-E14)	2,959	10.1	79.5	70.4
Alzheimer's disease (G30)	1,863	6.4	50.1	46.1
Cerebrovascular diseases (I60–I69)	1,507	5.1	40.5	36.7
Chronic lower respiratory diseases [CLR] (J40-J47)	1,092	3.7	29.3	26.5
Accidents [non-intentional injuries] (V01-X59, Y85-Y86)	1,028	3.5	27.6	26.2
Nephritis, nephrotic syndrome, and nephrosis (N00-N07, N17-N19, N25-N27)	989	3.4	26.6	23.8
Homicides (X85-Y09, Y87.1,*U01-*U02)	967	3.3	26.0	26.3
Pneumonia and influenza (J09-J21)	821	2.8	22.1	20.0
Septicemia (A40-A41)	775	2.6	20.8	19.1
Hypertensive diseases (I10, I12, I15)	499	1.7	13.4	12.2
Human immunodeficiency virus (HIV) disease (B20–B24)	334	1.1	9.0	9.1
Pneumonitis(J69)	291	1.0	7.8	7.2
Suicide (X60-X84, Y87 0, *U03)	288	1.0	7.7	7.7
Chronic liver disease and cirrhosis (K70, K73-K74)	202	0.7	5.4	4.6
Anemias (D50-D64)	196	0.7	5.3	4.8
Certain conditions origaniting in the perinatal period (P00–P96)	194	0.7	5.2	6.0
In situ neoplasms, bening and unknown (D00-D48)	168	0.6	4.5	4.1
Other causes	4,710	16.1	126.5	100.4
Non-specified	2	0.0	0.1	0.1
Total	29,290	100.0	786.9	716.3

Source: Departamento de Salud, Secretaría Auxiliar de Planificación y Desarrollo, División de Análisis Estadístico, San Juan, Puerto Rico. Negociado del Censo de los Estados Unidos (Released 2011)
* Rate by 100,000 inhabitants, Preliminary data. Adjusted rates using direct method and U.S. 2000 standatd population

Deaths by municipality, Puerto Rico, 2010

Municipality	N	%	Rate*	
			Unadjusted	Adjusted
Adjuntas	136	0.5	698.2	680.4
Aguada	281	1.0	670.3	755.6
Aguadilla	517	1.8	850.2	766.6
Aguas Buenas	180	0.6	628.2	649.7
Aibonito	233	0.8	900.6	838.5
Añasco	228	0.8	778.8	751.9
Arecibo	819	2.8	850.4	714.3
Arroyo	137	0.5	699.6	717.1
Barceloneta	206	0.7	828.6	782.8
Barranquitas	194	0.7	639.3	742.2
Bayamón	1,718	5.9	827.4	782.0
Cabo Rojo	483	1.6	947.6	752.7
Caguas	1,132	3.9	792.4	708.2
Camuy	247	0.8	703.0	670.9
Canóvanas	354	1.2	741.7	811.8
Carolina	1,431	4.9	811.1	704.6
Cataño	213	0.7	758.5	735.4
Cayey	380	1.3	790.1	729.6
Ceiba	127	0.4	934.3	834.0
Ciales	137	0.5	730.5	707.5
Cidra	237	0.8	544.9	623.1
Coamo	272	0.9	670.2	697.3
Comerío	145	0.5	697.7	745.6
Corozal	248	0.8	667.6	689.5
Culebra	14	0.0	770.9	747.7
Dorado	244	0.8	638.2	704.8
Fajardo	338	1.2	916.1	775.0
Florida	86	0.3	678.2	715.0
Guánica	174	0.6	898.4	791.2
Guayama	330	1.1	727.5	763.3
Guayanilla	176	0.6	817.0	789.2
Guaynabo	785	2.7	802.7	638.6
Gurabo	268	0.9	588.1	653.8
Hatillo	294	1.0	699.9	687.9
Hormigueros	167	0.6	967.4	693.9
Humacao	481	1.6	823.7	761.0
Isabela	357	1.2	782.4	701.6
Jayuya	105	0.4	631.8	703.9
Juana Díaz	346	1.2	682.1	725.8
Juncos	282	1.0	698.7	765.6
Lajas	266	0.9	1034.1	822.3
Lares	256	0.9	835.2	749.9
Las Marías	62	0.2	629.0	626.8

Deaths by municipality, Puerto Rico, 2010

Municipality	N	%	Rate*	
			Unadjusted	Adjusted
Las Piedras	260	0.9	670.8	730.9
Loíza	161	0.5	536.6	606.3
Luquillo	145	0.5	722.5	699.8
Manatí	362	1.2	821.9	735.3
Maricao	43	0.1	686.1	693.3
Maunabo	100	0.3	819.0	719.4
Mayagüez	868	3.0	977.5	763.4
Moca	231	0.8	576.0	642.4
Morovis	181	0.6	554.2	663.0
Naguabo	194	0.7	724.1	739.2
Naranjito	200	0.7	657.6	662.9
Orocovis	139	0.5	593.6	615.5
Patillas	169	0.6	878.1	801.0
Peñuelas	159	0.5	656.5	776.3
Ponce	1,434	4.9	864.9	763.5
Quebradillas	207	0.7	798.6	755.5
Rincón	110	0.4	723.6	598.2
Río Grande	412	1.4	758.9	789.4
Sabana Grande	214	0.7	847.7	696.9
Salinas	230	0.8	740.4	754.6
San Germán	344	1.2	969.8	748.6
San Juan	3,661	12.5	928.7	689.6
San Lorenzo	323	1.1	787.1	768.1
San Sebastían	356	1.2	840.6	701.1
Santa Isabel	153	0.5	656.6	776.4
Toa Alta	340	1.2	457.9	606.8
Toa Baja	642	2.2	717.8	715.5
Trujillo Alto	467	1.6	624.7	637.9
Utuado	278	0.9	840.4	743.4
Vega Alta	272	0.9	680.2	704.7
Vega Baja	437	1.5	733.8	708.6
Vieques	68	0.2	730.2	641.0
Villalba	163	0.6	626.5	717.9
Yabucoa	277	0.9	731.0	710.1
Yauco	358	1.2	853.8	770.6
En P.R. (sin esp.)	-	-	-	-
Fuera de P.R.	140	0.5	-	-
No esp.	106	0.4	-	-
Total	29,290	100.0	786.9	716.3

Source: Departamento de Salud, Secretaría Auxiliar de Planificación y Desarrollo, División de Análisis Estadístico, San Juan, Puerto Rico. Negociado del Censo de los Estados Unidos (Released 2011)

* Rate by 100,000 inhabitants, Preliminary data. Adjusted rates using direct method and U.S. 2000 standatd population

Unadjusted cancer mortality rates by sex, Puerto Rico, 2010

Underlying Cause of Death (ICD-10)	Total		Gender			
			Male		Female	
	N	*Rate	N	*Rate	N	*Rate
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	114	3.1	94	5.3	20	1.0
Malignant neoplasm of esophagus (C15)	128	3.4	100	5.6	28	1.4
Malignant neoplasm of stomach (C16)	196	5.3	108	6.1	88	4.5
Malignant neoplasms of colon, rectum and anus (C18-C21)	673	18.1	376	21.1	297	15.3
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	277	7.4	179	10.0	98	5.1
Malignant neoplasm of pancreas (C25)	257	6.9	127	7.1	130	6.7
Malignant neoplasm of larynx (C32)	40	1.1	34	1.9	6	0.3
Malignant neoplasms of trachea, bronchus and lung (C33-C34)	615	16.5	414	23.2	201	10.4
Malignant melanoma of skin (C43)	23	0.6	11	0.6	12	0.6
Malignant neoplasm of breast (C50)	415	11.1	5	0.3	410	21.1
Malignant neoplasm of cervix uteri (C53)	61	1.6	0	0.0	61	3.1
Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	112	3.0	0	0.0	112	5.8
Malignant neoplasm of ovary (C56)	101	2.7	0	0.0	101	5.2
Malignant neoplasm of prostate (C61)	539	14.5	539	30.2	0	0.0
Malignant neoplasms of kidney and renal pelvis (C64-C65)	85	2.3	59	3.3	26	1.3
Malignant neoplasm of bladder (C67)	121	3.3	80	4.5	41	2.1

Unadjusted cancer mortality rates by sex, Puerto Rico, 2010

Underlying Cause of Death (ICD-10)	Total		Gender			
			Male		Female	
	N	*Rate	N	*Rate	N	*Rate
Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	86	2.3	47	2.6	39	2.0
Hodgkin's disease (C81)	24	0.6	15	0.8	9	0.5
Non-Hodgkin's lymphoma (C82-C85)	171	4.6	103	5.8	68	3.5
Leukemia (C91-C95)	184	4.9	96	5.4	88	4.5
Multiple myeloma and immunoproliferative neoplasms (C80, C90)	108	2.9	66	3.7	42	2.2
Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue (C96)	1	0.0	0	0.0	1	0.1
All other and unspecified malignant neoplasms (C17, C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C63,	866	23.3	474	26.6	392	20.2

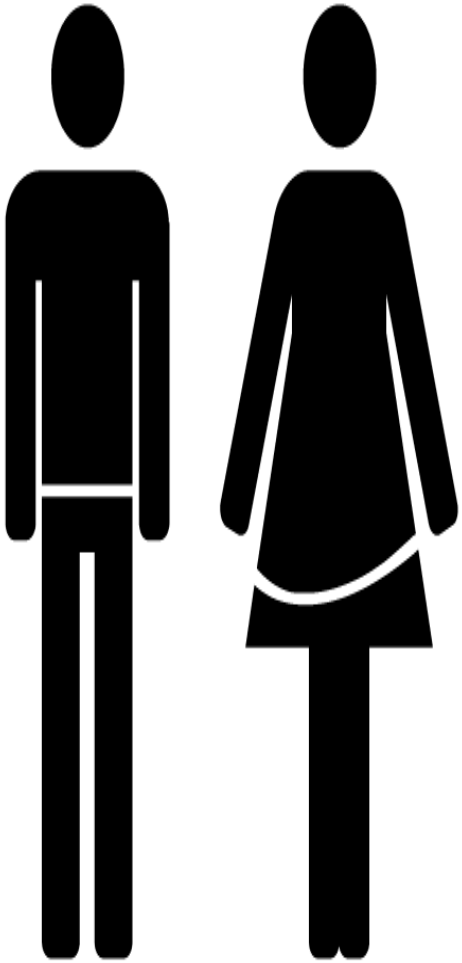
Source: Departamento de Salud, Secretaría Auxiliar de Planificación y Desarrollo, División de Análisis Estadístico, San Juan, Puerto Rico. N

*Rate per 100,000 inhabitants

Preliminary data

Leading unadjusted cancer mortality rates by sex, Puerto Rico, 2010

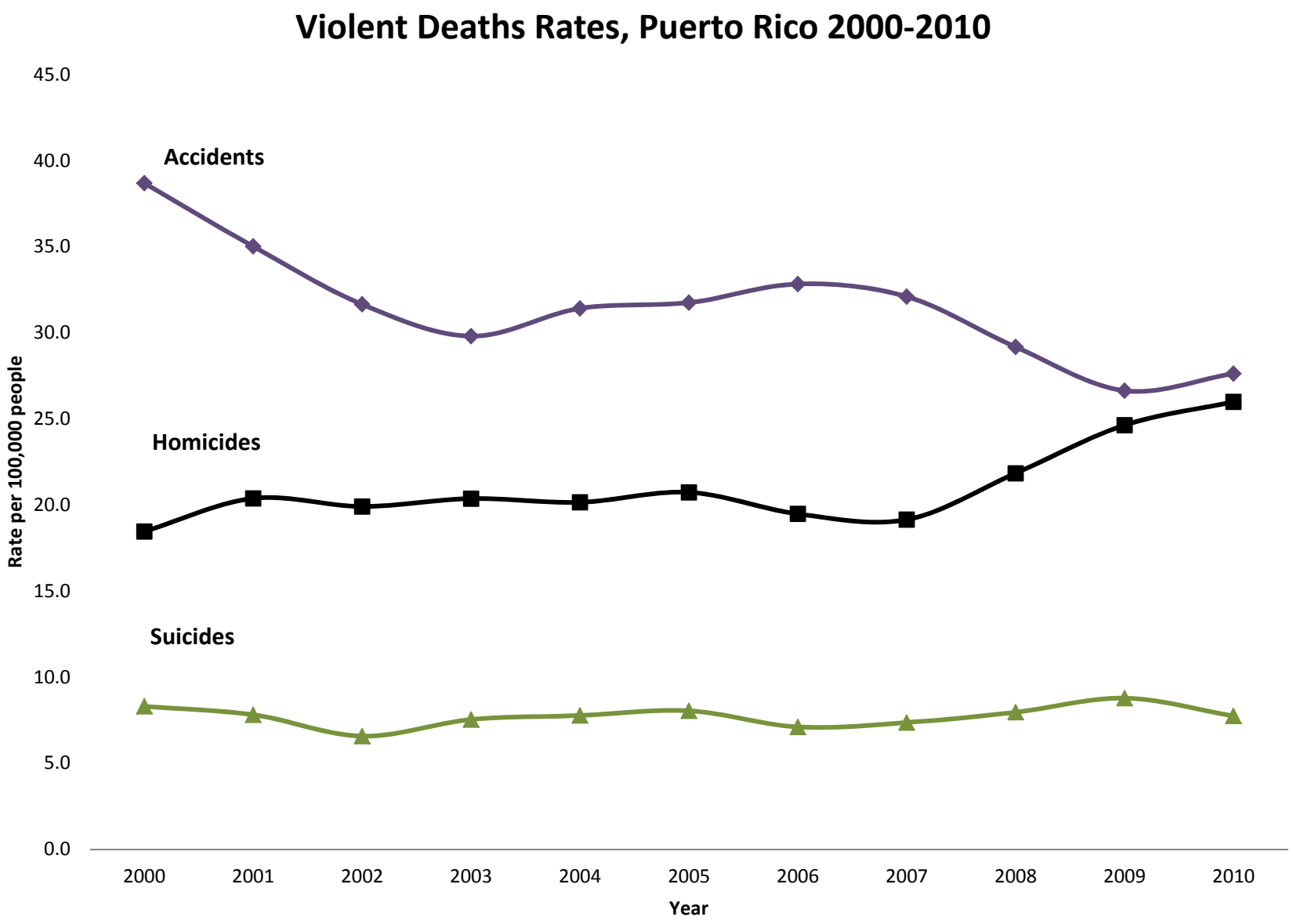
Cancer in Males	*Rate	Cancer in Females	*Rate
Malignant neoplasm of prostate (C61)	30.2	Malignant neoplasm of ovary (C56)	15.3
Malignant neoplasms of trachea, bronchus and lung (C33-C34)	23.2	Malignant neoplasms of corpus uteri and uterus, part unspecified (C54-C55)	10.4
Malignant neoplasms of colon, rectum and anus (C18-C21)	21.1	Malignant neoplasm of cervix uteri (C53)	6.7
Malignant neoplasms of liver and intrahepatic bile ducts (C22)	10.0	Malignant neoplasm of breast (C50)	5.8
Malignant neoplasm of pancreas (C25)	7.1	Malignant melanoma of skin (C43)	5.2
Malignant neoplasm of stomach (C16)	6.1	Hodgkin's disease (C81)	5.1
Non-Hodgkin's lymphoma (C82-C85)	5.8	Malignant neoplasms of meninges, brain and other parts of central nervous system (C70-C72)	4.5
Malignant neoplasm of esophagus (C15)	5.6	Malignant neoplasm of larynx (C32)	4.5
Leukemia (C91-C95)	5.4	Malignant neoplasms of kidney and renal pelvis (C64-C65)	3.5
Malignant neoplasms of lip, oral cavity and pharynx (C00-C14)	5.3	Multiple myeloma and immunoproliferative neoplasms (C80, C90)	3.1



Source: Departamento de Salud, Secretaría Auxiliar de Planificación y Desarrollo, División de Análisis Estadístico, San Juan, Puerto Rico.

*Rate per 100,000 inhabitants

Preliminary data


Violent Deaths Rates, Puerto Rico 2000-2010
Accidents
Homicides
Suicides
Rate per 100,000 people
45.0
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
Year

Violent Deaths: Accidents, Homicides, Suicides, Puerto Rico 2000 - 2010

Years	Accidents (V01-X59, Y85-Y86)		Homicides (X85-Y09, Y871)		Suicides (X60-X84, Y870)	
	N	Rate	N	Rate	N	Rate
2000	1,474	38.7	703	18.4	316	8.3
2001	1,337	35.0	778	20.4	298	7.8
2002	1,210	31.6	761	19.9	251	6.6
2003	1,140	29.8	779	20.4	288	7.5
2004	1,202	31.4	771	20.1	297	7.8
2005	1,213	31.7	792	20.7	307	8.0
2006	1,249	32.8	741	19.5	270	7.1
2007	1,214	32.1	724	19.1	278	7.3
2008	1,097	29.2	821	21.8	299	8.0
2009	996	26.6	921	24.6	328	8.8
2010	1,028	27.6	967	26.0	288	7.7

Source: Departamento de Salud, Secretaría Auxiliar de Planificación y Desarrollo, División de Análisis Estadístico, San Juan, Puerto Rico.

*Rate per 100,000 inhabitants
*Preliminary data

C. Morbility

The following subsections will contain data related to the prevalence of risk factors and diseases, as well as data on disability, tuberculosis, and sexually transmitted diseases.

1. Risk factors

The prevalence of overweight and obesity has increased since 1996. This prevalence has always been higher in men than in women. In 2011, the prevalence of overweight and obesity in Puerto Rico was 66.1%; with men surpassing women by 10 percentage points. Additionally, 47.3% of the population indicated that they did not have physical activity in the last month; this percentage is higher in women than in men (54.2% vs. 39.6%). The prevalence of tobacco use in 2011 was 14.8%. However, men reported a higher tobacco use (20.8%) than women (9.4%). Since 1996, the prevalence of tobacco use had a decreasing trend; however, this changed in 2010. It is noticeable, that since 2001 the prevalence of tobacco use in females remained steady.

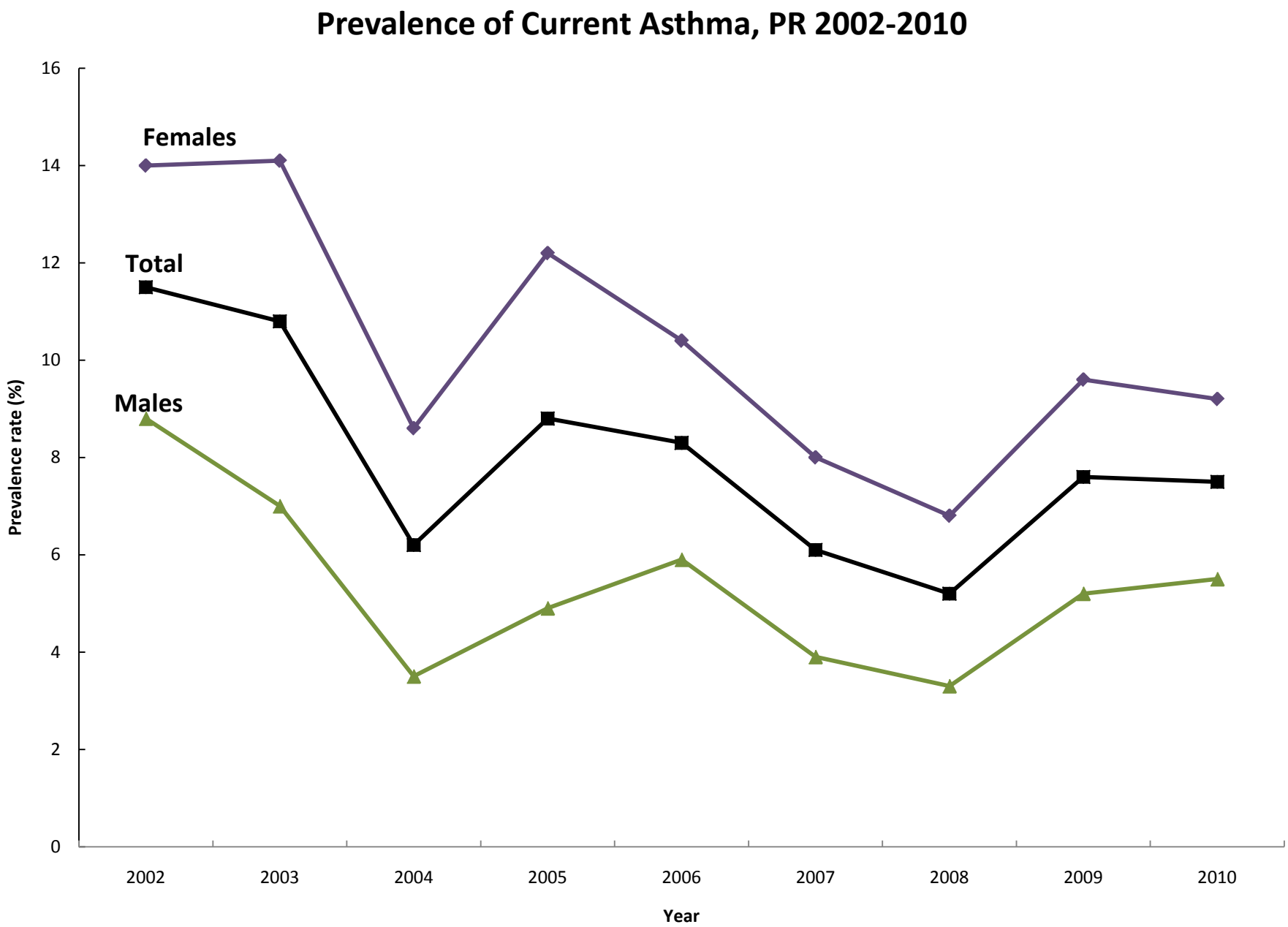
Prevalence of Risk Factors and Chronic Disease, Puerto Rico 2011

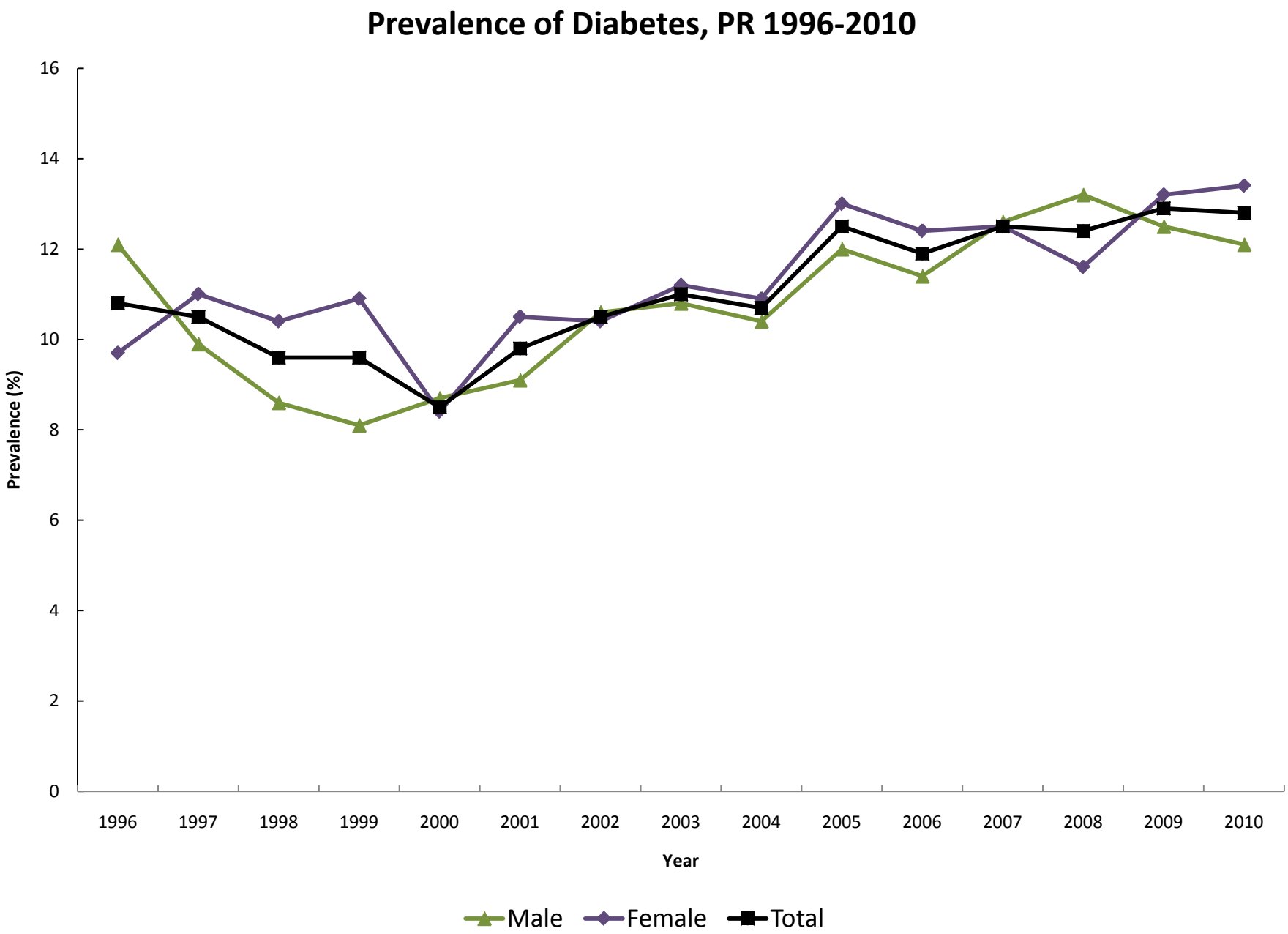
Indicator	Male	Female	Total
Risk factors			
Current smoker	20.80%	9.40%	14.80%
Lack of physical activities	39.60%	54.20%	47.30%
Overweight or obese	71.10%	61.70%	66.10%
Diseases			
Arthritis	13.4%	25.3%	19.7%
COPD	2.1%	4.0%	3.1%
Coronary heart disease	6.7%	7.6%	7.2%
Current asthma	6.6%	13.2%	10.1%
Depression	15.0%	18.5%	16.8%
Diabetes	12.0%	14.2%	13.5%
Heart attack	5.0%	4.6%	4.8%
Kidney disease	1.8%	2.1%	2.0%
Other type of cancer	2.9%	3.6%	3.3%
Pre-diabetes	1.8%	2.5%	2.2%
Skin cancer	0.9%	0.7%	0.8%
Stroke	1.4%	2.0%	1.7%

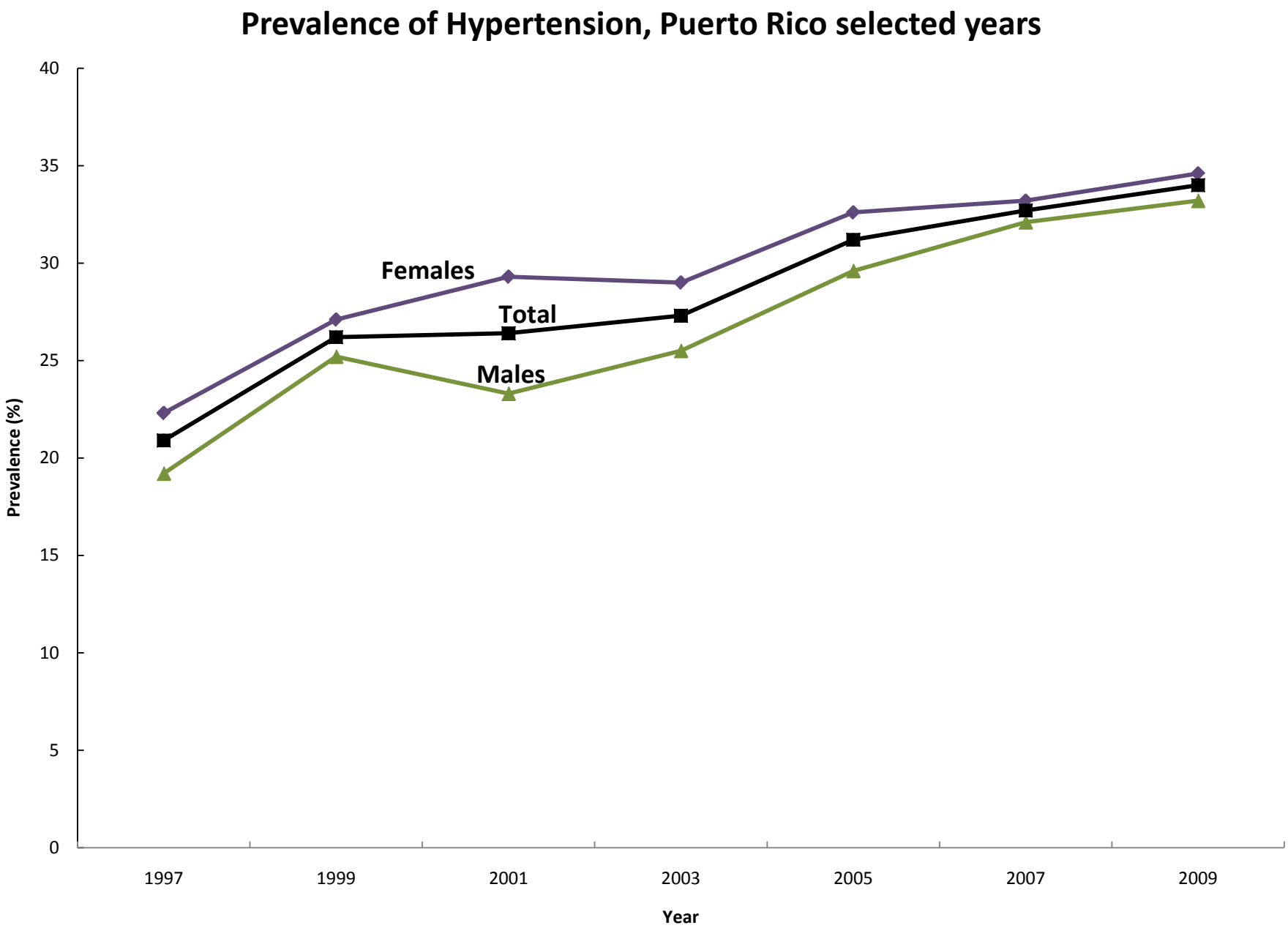
Source: Behavioral Risk Factor Surveillance System. Risk Factors.

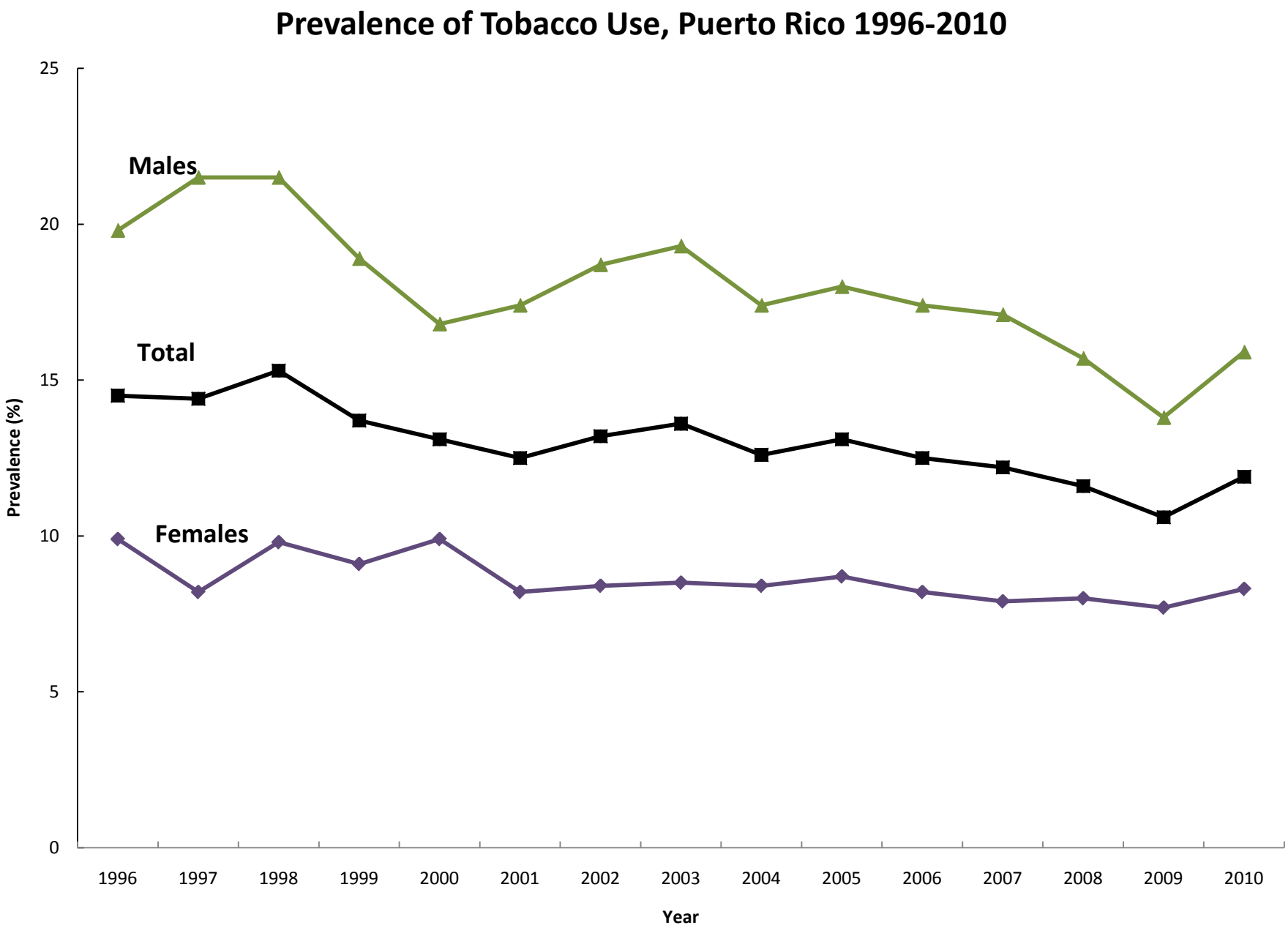
2. Overview of diseases

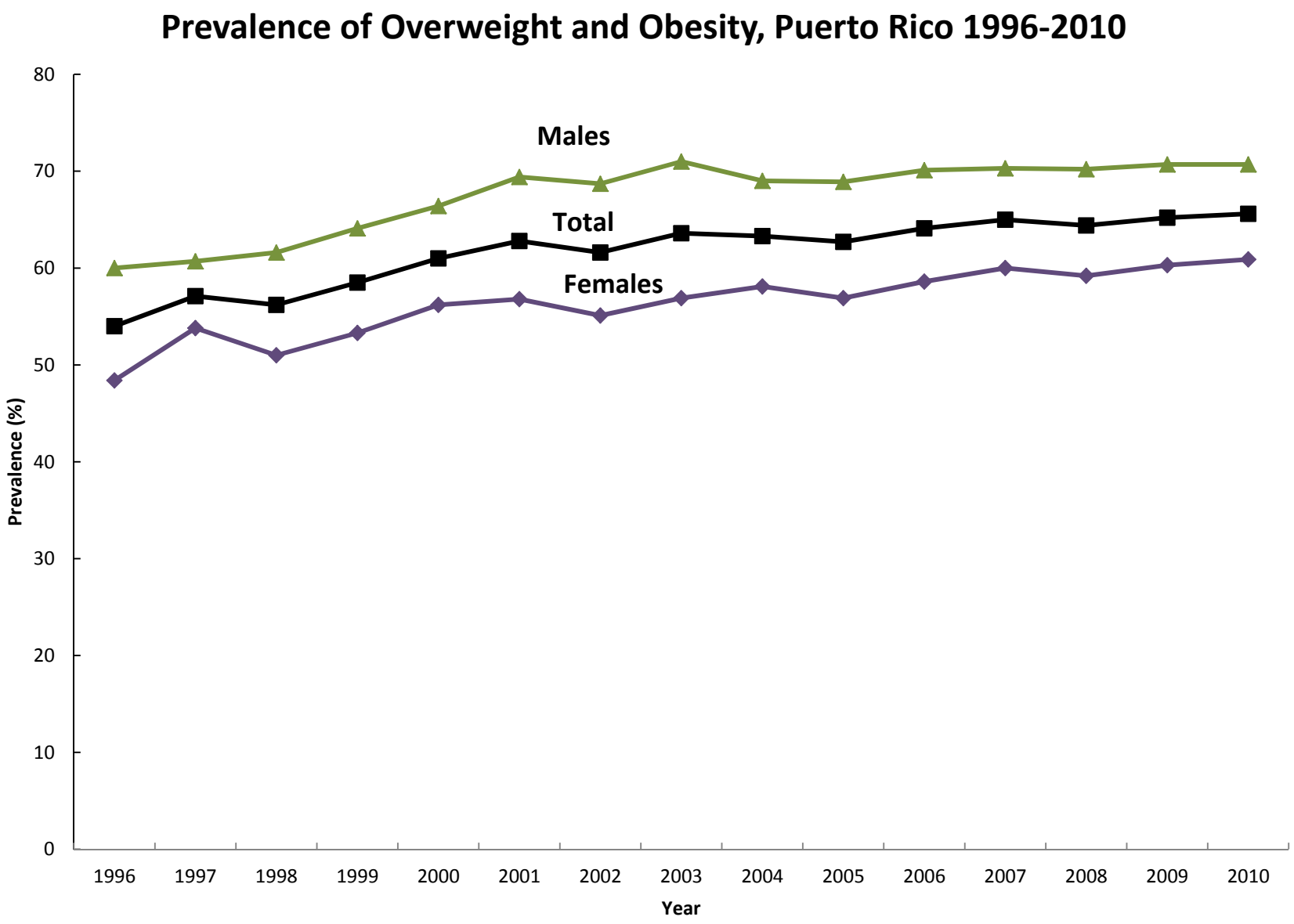
In 2011, 19.7% of the population indicated having arthritis; the prevalence was higher in women (25.3%) than in men (13.4%). Additionally, women reported a higher prevalence of depression (18.5%), diabetes (14.2%), current asthma (13.2%), coronary heart disease (7.6%), and COPD (4.0%) than men did. Since 2002, the prevalence of current asthma in women has doubled or almost doubled the prevalence of men. Regarding diabetes, except in 2008, the prevalence has always been higher in women than in men. Since 1997, the prevalence of hypertension has been higher in women than in men; however, in 2009, the prevalence of women and men only showed 1.4% percentage points of differences. From 1997 to 2009, the prevalence of hypertension increased almost 14 percentage points.


Prevalence of Current Asthma, PR 2002-2010
Females
Total
Males
Prevalence rate (%)
0
2
4
6
8
10
12
14
16
2002
2003
2004
2005
2006
2007
2008
2009
2010
Year


Prevalence of Diabetes, PR 1996-2010
Prevalence (%)
0
2
4
6
8
10
12
14
16
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
Year
Male
Female
Total


Prevalence of Hypertension, Puerto Rico selected years
Females
Total
Males
Prevalence (%)
0
5
10
15
20
25
30
35
40
1997
1999
2001
2003
2005
2007
2009
Year


Prevalence of Tobacco Use, Puerto Rico 1996-2010
Males
Total
Females
Prevalence (%)
25
20
15
10
5
0
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
Year


Prevalence of Overweight and Obesity, Puerto Rico 1996-2010
Males
Total
Females
Prevalence (%)
0
10
20
30
40
50
60
70
80
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
Year

3. Sexually transmitted diseases (STD)

There are more incident cases of Chlamydia in females than males. There were 2,695 new cases in 2000, and it virtually duplicated to 5,995 in 2010. However, in 2007 and 2009, there were more than 7,000 new cases reported. In these years, the female-male ratio was 6:1 and 5:1, respectively. It is noticeable that the incident rate of Chlamydia increases exponentially by age group. The incident rate of gonorrhea decreased over the years. However, this has a much lower incident rate than Chlamydia. During the first years of the decade, there have been more gonorrhea cases in males than females. However, this pattern changes during the decade. The incidence rate of herpes has increased through the years. Currently the female-male ratio of new cases of herpes is 3:1. New cases of genital warts also increased during the decade. Currently the incidence female-male ratio is 19:1. Finally, *trichomonas vaginalis* incidence had a seven-fold increase.

Primary and secondary syphilis incidence is higher in males. The female-male ratio is 1:19. There has also been a decrease in new cases of late latent syphilis. The incident rate is higher in males than females. Finally, the incident rate of congenital syphilis decreased dramatically in the past years.

Chlamidya by Sex, Puerto Rico 2000-2010

Year	Male	Incident rate*	Female	Incident rate*	Total	Incident rate*
2000	456	24.9	2,150	108.8	2,695	70.7
2001	431	23.5	2,293	115.7	2,746	71.9
2002	330	17.9	2,621	132.0	2,997	78.4
2003	367	20.0	2,367	119.1	2,746	71.8
2004	348	18.9	3,235	162.7	3,588	93.8
2005	348	19.0	3,366	169.4	3,720	97.3
2006	994	54.4	4,106	207.5	5,100	134.0
2007	1.028	0.1	6,884	349.7	7,912	209.1
2008	764	42.4	6,119	312.6	6,883	183.0
2009	1,095	61.1	6,217	319.3	7,317	195.6
2010	1,132	63.5	4,863	250.8	5,995	161.1

Source: Departamento de Salud. División de Prevención de ETS/VIH/SIDA

* Incident Rate by 100,000 inhabitants. Calculated by the Puerto Rico Institute of Statistics using the U.S. Census Bureau Intercensal Estimates for Puerto Rico 2000-2010

Gonorrea by Sex, Puerto Rico 2000-2010

Year	Male	Incident rate*	Female	Incident rate*	Total	Incident rate*
2000	287	15.6	233	11.8	527	13.8
2001	308	16.8	277	14.0	589	15.4
2002	181	9.8	226	11.4	411	10.7
2003	155	8.4	220	11.1	276	7.2
2004	121	6.6	150	7.5	277	7.2
2005	134	7.3	194	9.8	328	8.6
2006	136	7.4	166	8.4	302	7.9
2007	134	7.4	189	9.6	323	8.5
2008	101	5.6	172	8.8	273	7.3
2009	110	6.1	120	6.2	230	6.1
2010	171	9.6	142	7.3	313	8.4

Source: Departamento de Salud. División de Prevención de ETS/VIH/SIDA

* Incident Rate by 100,000 inhabitants. Calculated by the Puerto Rico Institute of Statistics using the U.S. Census Bureau Intercensal Estimates for Puerto Rico 2000-2010

Herpes by Sex, Puerto Rico 2000-2010

Year	Male	Incident rate*	Female	Incident rate*	Total	Incident rate*
2000	177	9.6	141	7.1	318	8.3
2001	90	4.9	117	5.9	207	5.4
2002	79	4.3	84	4.2	163	4.3
2003	297	16.2	489	24.6	788	20.6
2004	359	19.5	743	37.4	1,102	28.8
2005	347	18.9	708	35.6	1,055	27.6
2006	317	17.4	839	42.4	1,156	30.4
2007	387	21.3	916	46.5	1,303	34.4
2008	493	27.3	1,358	69.4	1,851	49.2
2009	403	22.5	1,095	56.2	1,498	40.0
2010	360	20.2	928	47.9	1,288	34.6

Source: Departamento de Salud. División de Prevención de ETS/VIH/SIDA
* Incident Rate by 100,000 inhabitants. Calculated by the Puerto Rico Institute of Statistics using the U.S. Census Bureau Intercensal Estimates for Puerto Rico 2000-2010

Genital Warts by Sex, Puerto Rico 2000-2010

Year	Male	Incident rate*	Female	Incident rate*	Total	Incident rate*
2000	174	9.5	154	7.8	328	8.6
2001	76	4.1	58	2.9	134	3.5
2002	75	4.1	67	3.4	142	3.7
2003	135	7.3	1,435	72.2	1,570	41.0
2004	71	3.9	1,086	54.6	1,157	30.2
2005	160	8.7	1,171	58.9	1,301	34.0
2006	71	3.9	1,757	88.8	1,828	48.0
2007	44	2.4	2,725	138.4	2,769	73.2
2008	89	4.9	2,826	144.4	2,915	77.5
2009	116	6.5	3,694	189.7	3,810	101.9
2010	146	8.2	2,792	144.0	2,938	78.9

Source: Departamento de Salud. División de Prevención de ETS/VIH/SIDA
* Incident Rate by 100,000 inhabitants. Calculated by the Puerto Rico Institute of Statistics using the U.S. Census Bureau Intercensal Estimates for Puerto Rico 2000-2010

Trichomonas Vaginalis Incident Rate*, Puerto Rico 2000-2010

Year	Total	Incident rate*
2000	139	7.0
2001	311	15.7
2002	466	23.5
2003	715	36.0
2004	902	45.4
2005	894	45.0
2006	781	39.5
2007	829	42.1
2008	809	41.3
2009	753	38.7
2010	750	38.7

Source: Departamento de Salud. División de Prevención de ETS/VIH/SIDA

* Incident Rate by 100,000 inhabitants. Calculated by the Puerto Rico Institute of Statistics using the U.S. Census Bureau Intercensal Estimates for Puerto Rico 2000-2010

Congenital Syphilis Incident Rate*, Puerto Rico 2000-2009

Year	Total
2000	17
2001	22
2002	23
2003	17
2004	12
2005	14
2006	16
2007	10
2008	9
2009	6

Source: Departamento de Salud. División de Prevención de ETS/VIH/SIDA

Primary and Secondary Syphilis by Sex, Puerto Rico 2000-2010

Year	Male	Incident rate*	Female	Incident rate*	Total	Incident rate*
2000	99	5.4	76	3.8	175	4.6
2001	115	6.3	129	6.5	244	6.4
2002	147	8.0	123	6.2	270	7.1
2003	109	5.9	93	4.7	202	5.3
2004	120	6.5	61	3.1	181	4.7
2005	143	7.8	81	4.1	224	5.9
2006	99	5.4	51	2.6	150	3.9
2007	112	6.2	57	2.9	169	4.5
2008	138	7.7	29	1.5	167	4.4
2009	205	11.4	22	1.1	227	6.1
2010	209	11.7	19	1.0	228	6.1

Source: Departamento de Salud. División de Prevención de ETS/VIH/SIDA

* Incident Rate by 100,000 inhabitants. Calculated by the Puerto Rico Institute of Statistics using the U.S. Census Bureau Intercensal Estimates for Puerto Rico 2000-2010

Late Latent Syphillis by Sex, Puerto Rico 2000-2010

Year	Male	Incident rate*	Female	Incident rate*	Total	Incident rate*
2000	323	17.6	157	7.9	481	12.6
2001	255	13.9	156	7.9	411	10.8
2002	254	13.8	138	7.0	399	10.4
2003	233	12.7	174	8.8	407	10.6
2004	312	17.0	201	10.1	513	13.4
2005	265	14.4	198	10.0	463	12.1
2006	306	16.8	161	8.1	467	12.3
2007	416	22.9	208	10.6	624	16.5
2008	-	-	-	-	352	9.4
2009	-	-	-	-	311	8.3
2010	-	-	-	-	289	7.8

Source: Departamento de Salud. División de Prevención de ETS/VIH/SIDA

* Incident Rate by 100,000 inhabitants. Calculated by the Puerto Rico Institute of Statistics using the U.S. Census Bureau Intercensal Estimates for Puerto Rico 2000-2010

4. HIV/AIDS

San Juan has the highest amount of HIV/AIDS cases. For both males and females HIV/AIDS cases, the age group with a higher proportion is 25 to 34 years. The most common method of transmission in males is injection drug use, while in females is heterosexual contact. In children younger than 13 years of age, the most common transmission method was their mother. Finally, the case fatality rate for HIV/AIDS cases has decreased to less than 5%.

HIV/AIDS Cases by Health Region, Puerto Rico 2012*

Health Region	HIV (Not AIDS)	AIDS	HIV/AIDS
Aguadilla	341	1,143	1,484
Arecibo	713	2,632	3,345
Bayamón	1,557	6,018	7,575
Caguas	1,166	4,294	5,460
Fajardo	330	1,182	1,512
Mayaguez	491	1,826	2,317
Metropolitan	1,006	4,225	5,231
Ponce	1,061	5,787	6,848
San Juan	2,267	8,303	10,570
U.S.	29	168	197

Source: Departamento de Salud. Sistema de Vigilancia de VIH/SIDA

* Cases until September 2012

Number of cases and deaths of HIV/AIDS by diagnostic status and age category, until September 2012

Diagnostic status	Adults or adolescents				Children (<13 yrs)				Total			
	N	Percent (%)	Deaths	Percent (%)	N	Percent (%)	Deaths	Percent (%)	N	Percent (%)	Deaths	Percent (%)
HIV infection (not AIDS)	8,819	20	931	11	142	22	8	6	8,961	20	939	10
AIDS - Immunologic	10,769	25	4,570	45	58	9	8	14	10,827	24	4,578	42
AIDS - All others	24,313	55	18,635	77	437	69	277	63	24,750	56	18,912	76
Total	43,901	100	24,136	55	637	100	293	46	44,538	100	24,429	55

Source: Departamento de Salud. Sistema de Vigilancia de VIH/SIDA

Number of Cases by Age of Diagnosis and Sex, until September 2012

Age	HIV/AIDS Cases					
	Male	Percent (%)	Female	Percent (%)	Total	Percent (%)
<13	329	1.0%	308	2.6%	637	1.4%
13-14	29	0.1%	25	0.2%	54	0.1%
15-24	2,736	8.3%	1,554	13.3%	4,290	9.6%
25-34	11,646	35.4%	4,189	36.0%	15,835	35.6%
35-44	11,042	33.6%	3,333	28.6%	14,375	32.3%
45-54	4,729	14.4%	1,485	12.8%	6,214	14.0%
55-64	1,647	5.0%	558	4.8%	2,205	5.0%
>=65	735	2.2%	193	1.7%	928	2.1%
Total	32,893	100%	11,645	100%	44,538	100%

Source: Departamento de Salud. Sistema de Vigilancia de VIH/SIDA

Number of Cases HIV/AIDS Among Adults or Adolescents by Transmission Category and Sex, until September 2012

Transmission category	HIV/AIDS Cases					
	Male	Percent (%)	Female	Percent (%)	Total	Percent (%)
Male-to-male sexual contact	7699	23.6%	0	0.0%	7699	17.5%
Injection drug use	16162	49.6%	3574	31.5%	19736	45.0%
Male-to-male sexual contact and injection drug use	2718	8.3%	0	0.0%	2718	6.2%
Hemophilia/coagulation disorder	54	0.2%	7	0.1%	61	0.1%
Heterosexual contact	5186	15.9%	7351	64.8%	12537	28.6%
Receipt of blood, components, or tissue	77	0.2%	91	0.8%	168	0.4%
Perinatal exposure, HIV diagnosed >= 13 years	10	0.0%	6	0.1%	16	0.0%
No identified risk factor (NIR)f	366	1.1%	167	1.5%	533	1.2%
No risk factor reported (NRR)g	289	0.9%	140	1.2%	429	1.0%
Total	32561	100.0%	11336	100.0%	43897	100.0%

Source: Departamento de Salud. Sistema de Vigilancia de VIH/SIDA

Number of Cases HIV/AIDS Among Children <13 Years by Transmission Category and Sex, until August 2012

Transmission category	HIV/AIDS Cases					
	Male	Percent (%)	Female	Percent (%)	Total	Percent (%)
Hemophilia/coagulation disorder	8	10.4%	1	1.1%	9	5.4%
Mother with/at risk for HIV infection	274	355.8%	266	292.3%	540	321.4%
Receipt of blood, components, or tissue	7	9.1%	5	5.5%	12	7.1%
No identified risk factor (NIR)f	23	29.9%	27	29.7%	50	29.8%
No risk factor reported (NRR)g	17	22.1%	9	9.9%	26	15.5%
Total	329	427.3%	308	338.5%	637	379.2%

Source: Departamento de Salud. Sistema de Vigilancia de VIH/SIDA

Number of Cases, Deaths and Case Fatality Rates by Time of Diagnosis, until September 2012

Year	HIV/AIDS Cases		
	Total	Deaths	Case fatality rate (%)
Before 1985	223	195	87.4%
1985	506	406	80.2%
1986	813	677	83.3%
1987	1465	1220	83.3%
1988	2010	1686	83.9%
1989	2346	1912	81.5%
1990	2848	2233	78.4%
1991	2945	2221	75.4%
1992	2990	2198	73.5%
1993	2870	2036	70.9%
1994	2610	1719	65.9%
1995	2364	1431	60.5%
1996	2013	1095	54.4%
1997	1702	830	48.8%
1998	1583	687	43.4%
1999	1505	620	41.2%
2000	1492	590	39.5%
2001	1347	506	37.6%
2002	1394	437	31.3%
2003	1329	361	27.2%
2004	1196	314	26.3%
2005	1275	296	23.2%
2006	1150	217	18.9%
2007	1023	163	15.9%
2008	981	138	14.1%
2009	852	115	13.5%
2010	743	82	11.0%
2011	693	40	5.8%
2012	270	4	1.5%
Total	44538	24429	54.8%

Source: Departamento de Salud. Sistema de Vigilancia de VIH/SIDA

5. Dengue fever

The incident rate of dengue fever has been variable since 1995. Epidemics occurred in 1998, 2007, and 2010. Among these, the 2010 epidemic had the highest incident rate (572/100,000 people), and a fatality rate of 100% of dengue hemorrhagic fever cases (33 cases). The epidemic of 1998 had an incident rate of 460/100,000 people and a fatality rate of 5.2% (9 out of 173 cases of dengue hemorrhagic fever). In 2007, Puerto Rico the incident rate of dengue fever was 291/100,000 and a fatality rate of 18.8% (9 out of 48 cases of dengue hemorrhagic fever).

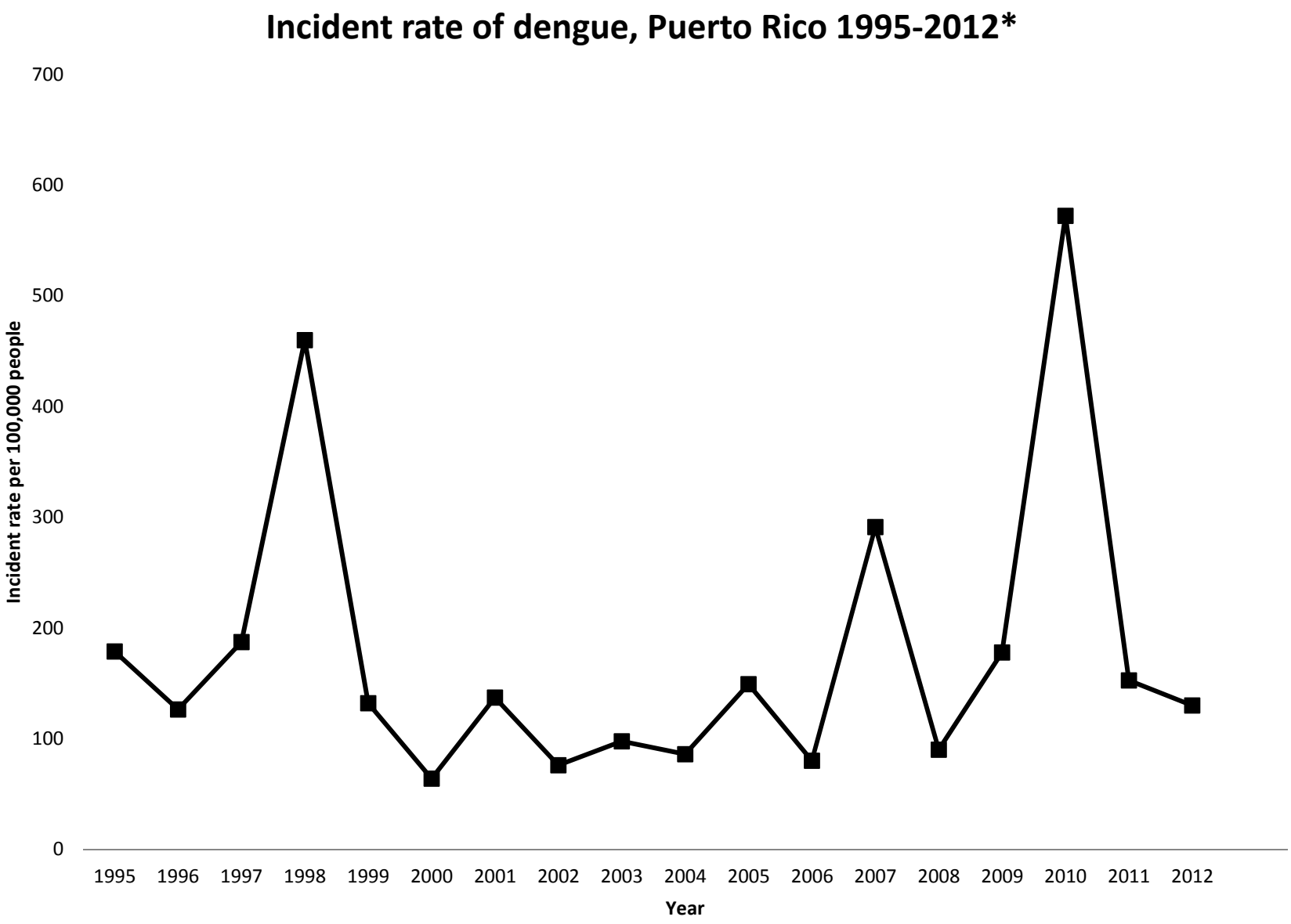
Dengue fever (D) and dengue hemorrhagic fever (DH) cases, dengue fever incident rate, proportion of dengue hemorrhagic cases, and case fatality rate (CFR), Puerto Rico 1995-2012*

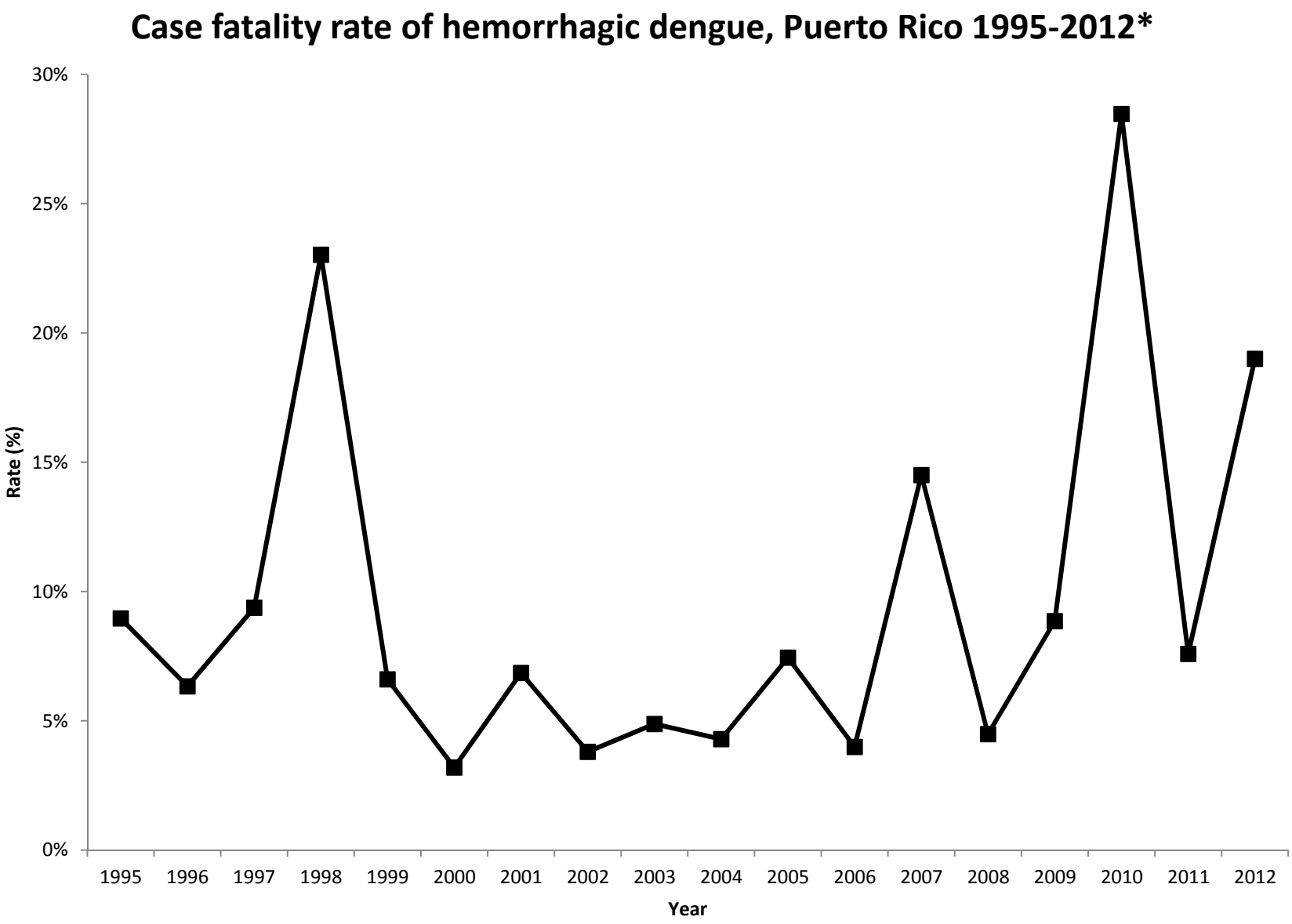
Year	Dengue & DHF	Incidence rate	DHF only	Deaths	(DHF/D) x100	CFR
1995	6,534	178.8	43	4	0.7%	9.3%
1996	4,655	126.3	24	7	0.5%	29.2%
1997	6,955	187.2	62	5	0.9%	8.1%
1998	17,241	460.0	173	9	1.0%	5.2%
1999	4,993	132.0	34	6	0.7%	17.6%
2000	2,433	63.8	24	0	1.0%	0.0%
2001	5,233	137.0	36	4	0.7%	11.1%
2002	2,906	76.0	23	1	0.8%	4.3%
2003	3,735	97.62	5	0	0.1%	0.0%
2004	3,288	85.92	11	3	0.3%	27.3%
2005	5,701	149.19	19	7	0.3%	36.8%
2006	3,043	79.97	7	3	0.2%	42.9%
2007	11,012	291.09	48	9	0.4%	18.8%
2008	3,384	89.98	65	2	1.9%	3.1%
2009	6,651	177.81	63	2	0.9%	3.2%
2010	21,298	572.22	33	33	0.2%	100.0%
2011	5,654	152.54	31	3	0.5%	9.7%
2012	4,816	129.93	21	4	0.4%	19.0%

Source: Pan American Health Organization. Dengue Regional Information: Number of Cases. Centers for Disease Control (2012). Dengue Surveillance Weekly Report. Data through October 5, 2012

* Data for 2012 is until week 37 (October 5, 2012)

Note: Incident rates were recalculated by the Puerto Rico Institute of Statistics using intercensal estimates for Puerto Rico. Intercensal estimates for 1995-1999 were obtained from the Planning Board Office and for 2000 - 2009 from the U.S. Census Bureau. Population estimates for 2010 and 2011 were also obtained from the U.S. Census Bureau. Estimates for 2011 were also used to calculate the incidence rate of 2012. Incident rate calculated bper 100,000 people


Incident rate of dengue, Puerto Rico 1995-2012*
Incident rate per 100,000 people
700
600
500
400
300
200
100
0
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Year


Case fatality rate of hemorrhagic dengue, Puerto Rico 1995-2012*
Rate (%)
30%
25%
20%
15%
10%
5%
0%
1995
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
2006
2007
2008
2009
2010
2011
2012
Year

6. Tuberculosis (TB)

In 2007, there were 98 new cases of TB in Puerto Rico in 38 municipalities. In 2008, there were 95 new cases in 32 municipalities. In both years, the municipalities with the higher amount of cases were San Juan and Bayamón.

Tuberculosis Cases by Region, Puerto Rico 2007-2008

	2007	2008
Arecibo Region	9	7
Arecibo Area	6	3
Manatí Area	3	4
Bayamón Region	21	18
Barranquitas Area	1	2
Bayamon Area	12	14
Cataño Area	8	2
Caguas Region	11	11
Caguas Area	7	8
Cayey Area	2	0
Humacao Area	2	3
Mayaguez Region	3	7
Mayaguez Area	2	5
San German Area	1	2
Aguadilla Region	3	1
Ponce Region	7	5
Guayama Area	0	0
Ponce Area	6	4
Yauco Area	1	1
Metropolitan Region	40	44
Carolina Area	7	10
San Juan Area	33	34
Fajardo Region	4	2
Puerto Rico	98	95

Source: Departamento de Salud. Programa de tuberculosis

D. Disability

The percent of the population who have a disability is 20.8%. Among people with 65 years of age or older, this percent is 51.7%. The primary disabilities in this population are ambulatory (35.4%), independent living (31.7%), and cognitive (20.4%).

Disability Status, Puerto Rico 2011

Characteristic	Total	With a disability	
		Total	Pecent (%)
Total civilian noninstitutionalized population	3,680,339	766,245	20.8%
Population under 5 years	216,792	3,551	1.6%
With a hearing difficulty	-	2,683	1.2%
With a vision difficulty	-	1,985	0.9%
Population 5 to 17 years	658,697	68,520	10.4%
With a hearing difficulty	-	5,249	0.8%
With a vision difficulty	-	11,411	1.7%
With a cognitive difficulty	-	51,512	7.8%
With an ambulatory difficulty	-	8,698	1.3%
With a self-care difficulty	-	5,881	0.9%
Population 18 to 64 years	2,246,412	405,543	18.1%
With a hearing difficulty	-	59,732	2.7%
With a vision difficulty	-	114,562	5.1%
With a cognitive difficulty	-	189,837	8.5%
With an ambulatory difficulty	-	196,392	8.7%
With a self-care difficulty	-	69,982	3.1%
With an independent living difficulty	-	158,266	7.0%
Population 65 years and over	558,438	288,631	51.7%
With a hearing difficulty	-	89,867	16.1%
With a vision difficulty	-	106,942	19.2%
With a cognitive difficulty	-	113,745	20.4%
With an ambulatory difficulty	-	197,693	35.4%
With a self-care difficulty	-	78,233	14.0%
With an independent living difficulty	-	176,943	31.7%
Sex	**Total**	**With a disability**	
		Total	**Pecent (%)**
Male	1,749,062	355,471	20.3%
Female	1,931,277	410,774	21.3%

Source: U.S. census Bureau. Amercian Community Survey, PR 2011

V. Health care access profile

The source of data for this section is the *U.S. Census Bureau,* the Health Insurance Administration and the Puerto Rico Health Department.

A. Health insurance coverage

In 2011, 7.6% of the non-institutionalized civilian population in Puerto Rico had no health insurance coverage. Additionally, 57.7% of the population had public insurance coverage.

Health Insurance Coverage, Puerto Rico 2011

Civilian no institutionalized population	3,680,339
With private health insurance	40.8%
With public coverage	57.7%
No health insurance coverage	7.6%

Note: A person can have more than one type of insurance coverage.

Source: U.S. Census Bureau. Amercian Community Survey, Puerto Rico 2011

B. Hospital beds and hospitals

By 2009, in 66 hospitals there were of 8,660 hospital beds in use out of 11,887 authorized beds in Puerto Rico. The numbers of beds in use represent 72.8% of the authorized beds.

Hospitals by type, Puerto Rico 2007-2009

Total hospitals	**66**
Private	54
Public	12

Source: Registro de Hospitales y Otras Facilidades de Salud, Secretaría Auxiliar

C. Available doctors

Data for doctors is available in 3-year period. For 2007-2010, there were 9,424 physicians in Puerto Rico, while during 2004-2007 there were 9,865. This is a reduction of 4.5% in the number of foctors available.

Hospital Beds, Physicians, and Health Expenditure, Puerto Rico

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Public expenditure on health (% of gross domestic product)	1.58	1.37	1.72	1.60	1.73	1.71	1.93	1.79	1.60	1.62	1.70
Number of hospital beds*		9,259	9,522	9,422	9,422	9,187	7,078	8,129	8,728	8,660	
Number of physicians**					9,865			8,765			9,424

Source: Departamento de Hacienda de Puerto Rico, Estados Financieros 2000-2008; Junta de Planificación, Programa de Planificación Económica y Social, Sub-programa de

Notes: * Number of beds in use in hospitals by fiscal year (july - june). ** Physicians and specialista active in Puerto Rico, every 3 fiscal years. 3-year data 2002-2004, 2005-2007, and 2008-2010

Hospitals by Region and Municipality, Puerto Rico 2007-2009

Facility by region	Municipality and number of hospitals by region	Type of facility	Authorized beds
Arecibo Region	**8**		**1,019**
Hospital Dr. Cayetano Coll y Toste	Arecibo	Private	230
Hospital Metropolitano Dr. Susoni	Arecibo	Private	138
Hospital El Buen Pastor	Arecibo	Private	48
Hospital Castañer	Lares	Private	33
Manati Medical Center Dr. Otero López	Manatí	Private	228
Doctors Center Hospital	Manatí	Private	200
Professional Hospital	Manatí	Private	12
Hospital Wilma Vázquez	Vega Baja	Private	130
Bayamon Region	**4**		**1,211**
Hospital Universitario Dr. Ramón Ruiz Arna	Bayamón	Public	401
Hospital Hima San Pablo	Bayamón	Private	430
Hospital Hermanos Meléndez	Bayamón	Private	246
Doctors Center Hospital	Bayamón	Private	134
Caguas Region	**8**		**1,476**
Hospital San Juan Bautista	Caguas	Private	373
Hospital Hima San Pablo	Caguas	Private	338
Hospital Menonita	Aibonito	Private	150
Hospital Menonita	Cayey	Private	118
Hospital Hima San Pablo	Humacao	Private	105
Hospital Ryder Memorial	Humacao	Private	167
Hospital Dr. Domínguez	Humacao	Private	60
First Hospital Panamericano	Cidra	Private	165
Mayaguez Region	**10**		**1,484**
Hospital Dr. Ramón E. Betances	Mayagüez	Private	391
Hospital San Antonio	Mayagüez	Private	75
Clínica Dr. Perea	Mayagüez	Private	103
Clínica Bella Vista	Mayagüez	Private	199
Clínica Española	Mayagüez	Private	89
Hospital Comunitario Buen Samaritano	Aguadilla	Private	230
Hospital de La Concepción	San Germán	Private	167
Hospital Metropolitano	San Germán	Private	42
Hospital Psiquiátrico Metropolitano	Cabo Rojo	Private	80
Hospital San Carlos Borromeo	Moca	Private	108
Ponce Region	**11**		**1,797**
Hospital Episcopal San Lucas	Ponce	Private	427
Hospital San Cristóbal	Ponce	Private	138
Hospital Dr. Pila	Ponce	Private	203

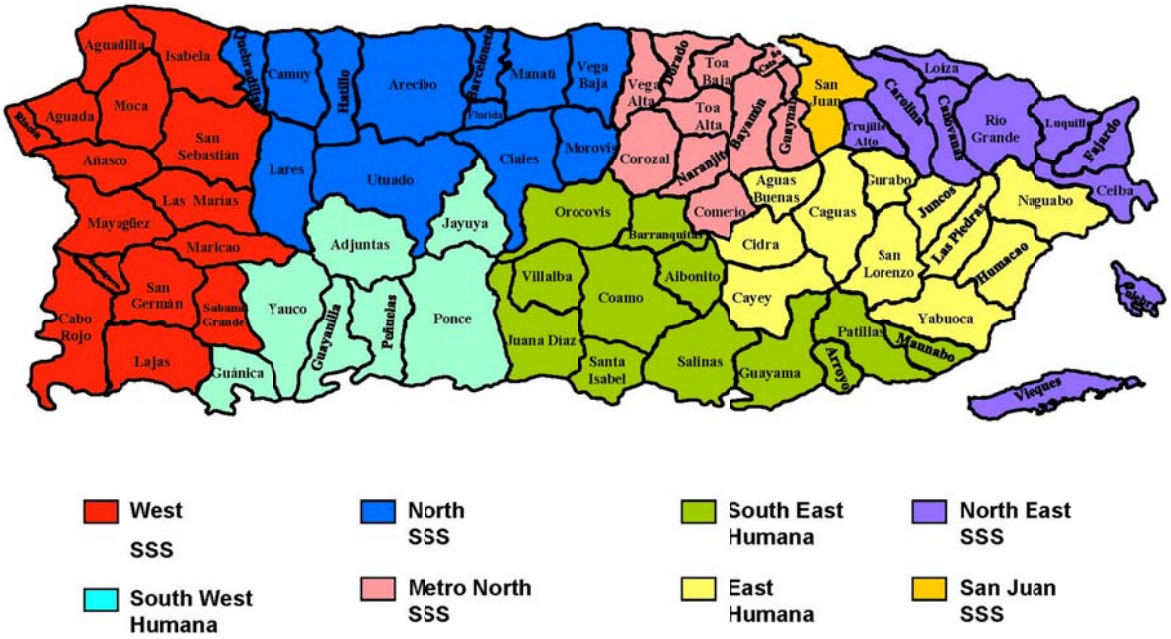
Hospitals by Region and Municipality, Puerto Rico 2007-2009

Facility by region	Municipality and number of hospitals by region	Type of facility	Authorized beds
Hospital Damas	Ponce	Private	306
Hospital Andres Grillasca	Ponce	Private	86
Hospital de Psiquiatría Forense	Ponce	Public	125
Hospital Episcopal Cristo Redentor	Guayama	Private	161
Hospital Santa Rosa	Guayama	Private	99
Hospital Lafayette	Arroyo	Private	66
Hospital Metropolitano Dr. Tito Mattei	Yauco	Private	186
Metropolitan Region	**26**		**4,900**
Hospital Municipal de San Juan	San Juan	Public	450
Hospital Universitario	San Juan	Public	390
Hospital Pediátrico Universitario	San Juan	Public	215
Hospital de Traumas	San Juan	Public	62
Centro Cardiovascular de Puerto Rico y El C	San Juan	Public	192
Hospital Industrial	San Juan	Public	271
Hospital Oncológico	San Juan	Private	143
Hospital de Psiquiatría Dr. Ramon Fernand	San Juan	Public	200
Hospital de Psiquiatría Forense	San Juan	Public	54
Hospital de Psiquiatría Correccional	San Juan	Public	168
Health South Rehabilitation Hospital	San Juan	Private	32
Hospital San Juan Capestrano	San Juan	Private	108
Hospital Metropolitano	San Juan	Private	180
Hospital San Francisco	San Juan	Private	160
Hospital San Gerardo	San Juan	Private	60
Hospital Auxilio Mutuo	San Juan	Private	530
Hospital del Maestro	San Juan	Private	255
Hospital Pavía Santurce	San Juan	Private	247
Hospital Pavía Hato Rey	San Juan	Private	224
Ashford Presbyterian Community Hospital	San Juan	Private	207
Hospital San Jorge	San Juan	Private	141
Doctors Communityhospital	San Juan	Private	154
Hospital Universitario, UPR	Carolina	Private	250
Hospital Hima San Pablo	Fajardo	Private	180
Caribbean Medical Center	Fajardo	Private	25
Hospital Susana Centeno	Vieques	Public	2
Total beds			**11,887**

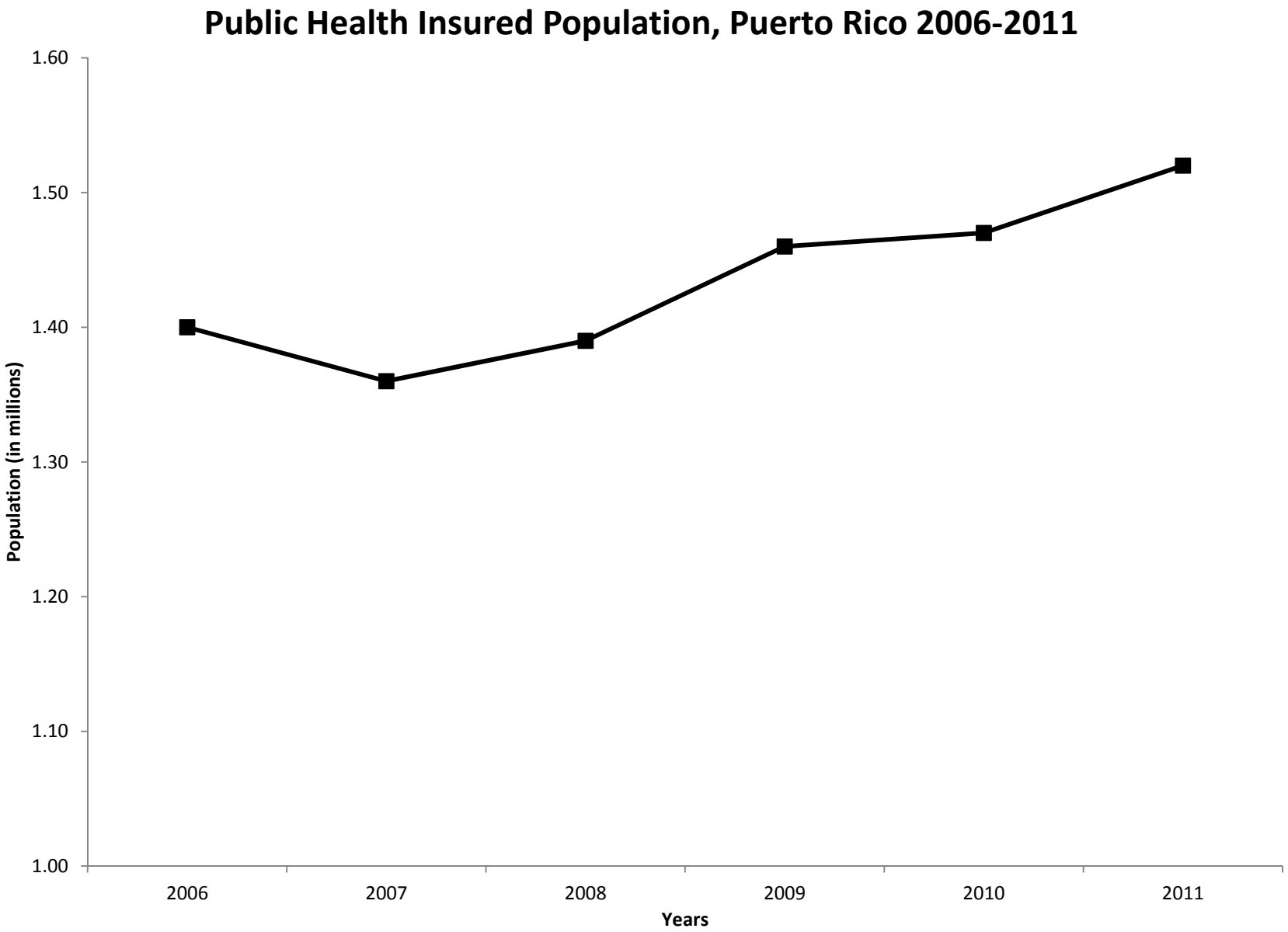
Source: Registro de Hospitales y Otras Facilidades de Salud, Secretaría Auxiliar para la XXXXXXX

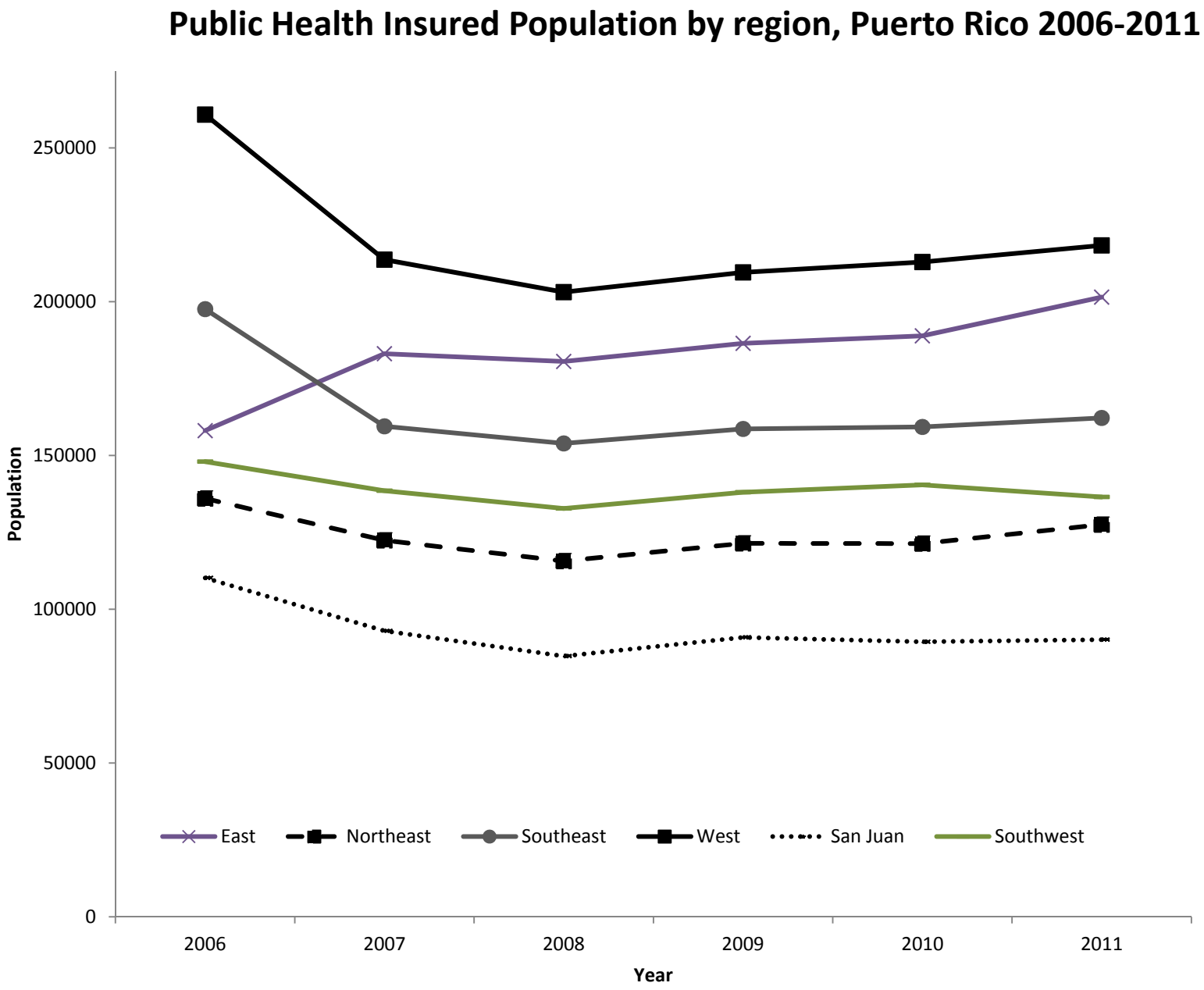
D. Population with Mi Salud insurance

Currently, there are two health insurance companies providing services to the population under Mi Salud, Puerto Rico's public health insurance. Triple S (SSS) and Humana administrate eight health insurance regions, covering the 78 municipalities. These regions are 1) North, 2) Metro North, 3) San Juan, 4) North East, and 5) West, which are under SSS, and 6) East, 7) South East and 8) South West, which are under Humana.



The population covered by the public health insurance decreased in 2007, and since then has begun to increase. According to April 2012 data, the sex distribution of the public insured population is 54.8% females and 45.2% males. The age group with the most public beneficiaries is the group aged 15 to 19 years, followed by age groups 10 to 14 years, and younger than 5 years of age. The age groups with the lowest proportion of public beneficiaries is the group 70 to 74 years of age (1.1%), followed by those with 60 to 64 years of age (1.8%), and those with 75 years of age and older (2.1%). Therefore, as age increases, by 30 years of age, fewer amounts of people have Mi Salud. Among health insurance regions, the West and the East have a higher proportion of public insured. San Juan and the North East Region have the lowest proportion of public beneficiaries


Public Health Insured Population, Puerto Rico 2006-2011
Population (in millions)
1.60
1.50
1.40
1.30
1.20
1.10
1.00
2006
2007
2008
2009
2010
2011
Years


Public Health Insured Population by region, Puerto Rico 2006-2011
Population
250000
200000
150000
100000
50000
0
2006
2007
2008
2009
2010
2011
Year
East
Northeast
Southeast
West
San Juan
Southwest

People with Public Health Insurance "Reforma" (2006-2008) / Mi Salud (2009-2011), Puerto Rico natural years 2006-2011

	2006	2007	2008	2009	2010*	2011*
North	205,855	191,680	186,245	188,104	195,571	194,887
Metro north	193,105	185,889	182,045	191,198	192,629	191,821
East	158,070	183,082	180,550	186,469	188,871	201,480
Central	-	-	-	-	-	-
Northwest	-	-	-	-	-	-
Northeast	135,998	122,418	115,671	121,427	121,349	127,501
Southeast	197,561	159,469	153,937	158,613	159,296	162,207
West	260,803	213,646	203,084	209,528	212,898	218,281
San Juan	110,189	92,978	84,764	90,842	89,444	90,097
Southwest	147,986	138,541	132,773	138,055	140,435	136,477
Special			**6,674**	**5,639**	**4,829**	**4,699**
Subtotal Reforma/Mi Salud	1,409,567	1,287,703	1,245,743	1,289,875	1,305,322	1,322,751
Subtotal Platinum	-	75,121	144,053	169,272	168,210	197,911
Insured population	**1,409,567**	**1,362,824**	**1,389,796**	**1,459,147**	**1,473,532**	**1,520,662**

Source: Administración de Seguros de Salud

*** Data for 2010 up to 5/31/2010; Data for 2011 up to 7/31/11**

People with Mi Salud by Age, Gender and Region, Puerto Rico April 2012

Age	Gender	North	Metro north	East	North east	South east	West	San Juan	Special	South west	Total
< 5	Female	8,065	9,760	9,374	6,610	7,241	9,130	5,079	361	6,569	62,189
	Male	8,800	10,214	9,792	6,859	7,704	9,708	5,355	355	6,823	65,610
5-9	Female	8,117	9,326	9,238	5,984	6,851	8,971	4,636	396	6,149	59,668
	Male	8,707	9,654	9,594	6,378	7,336	9,596	4,972	375	6,492	63,104
10-14	Female	8,889	9,625	9,445	6,218	7,595	9,673	4,611	485	6,526	63,067
	Male	9,434	10,235	10,017	6,520	7,956	10,108	4,672	533	6,788	66,263
15 - 19	Female	9,651	10,077	10,405	6,831	8,573	10,363	4,703	910	6,973	68,486
	Male	9,775	9,747	9,863	6,380	8,564	10,239	4,305	909	6,713	66,495
20 - 24	Female	10,013	10,948	11,139	7,041	8,836	10,701	4,926	153	7,451	71,208
	Male	7,697	7,466	8,002	4,419	7,025	8,648	2,461	155	5,790	51,663
25 - 29	Female	8,674	9,773	9,936	6,051	7,440	9,433	4,417	1	6,690	62,415
	Male	6,207	6,182	6,877	3,270	5,582	7,220	1,950		4,688	41,976
30 - 34	Female	7,932	8,782	8,951	5,417	6,586	9,051	3,952	3	5,898	56,572
	Male	5,624	5,605	6,297	3,053	4,813	6,778	1,818		4,148	38,136
35 - 39	Female	6,929	6,821	7,787	4,917	5,636	7,895	3,205	1	4,909	48,100
	Male	5,229	4,806	5,606	2,827	4,494	6,196	1,573		3,753	34,484
40 - 44	Female	6,616	6,465	6,940	4,345	5,629	7,520	3,052	1	4,619	45,187
	Male	4,964	4,599	5,364	2,916	4,331	5,739	1,643		3,402	32,958
45 - 49	Female	6,607	6,838	6,858	4,313	5,472	7,624	3,228		4,716	45,656
	Male	5,133	5,083	5,451	3,044	4,513	5,966	2,013		3,497	34,700
50 - 54	Female	6,103	6,666	6,499	3,980	5,221	7,004	3,295		4,656	43,424
	Male	4,689	4,868	5,134	2,706	4,235	5,516	1,995		3,480	32,623
55 - 59	Female	5,305	5,774	5,906	3,654	4,471	6,582	3,114		4,346	39,152
	Male	4,192	4,224	4,476	2,544	3,598	5,087	2,019		3,321	29,461
60 - 64	Female	4,955	5,109	5,353	3,571	4,070	6,256	2,737		3,787	35,838
	Male	3,626	3,518	3,798	2,219	3,031	4,551	1,661		2,760	25,164

People with Mi Salud by Age, Gender and Region, Puerto Rico April 2012

Age	Gender	North	Metro north	East	North east	South east	West	San Juan	Special	South west	Total
65 - 69	Female	2,123	1,980	2,005	1,419	1,670	2,165	1,200		1,383	13,945
	Male	1,766	1,479	1,470	992	1,243	1,630	794		964	10,338
70 - 74	Female	1,331	1,229	1,137	829	932	1,434	759		838	8,489
	Male	1,062	854	802	610	721	1,016	488		590	6,143
75 +	Female	2,861	2,373	2,353	1,612	1,853	2,942	1,642		1,565	17,201
	Male	1,911	1,439	1,493	908	1,307	1,815	701		929	10,503
Total	Female	104,171	111,546	113,326	72,792	88,076	116,744	54,556	2,311	77,075	740,597
	Mele	88,816	89,973	94,036	55,645	76,453	99,813	38,420	2,327	64,138	609,621
	Total	192,987	201,519	207,362	128,437	164,529	216,557	92,976	4,638	141,213	1,350,218

Source: Administración de Seguros de Salud

E. Mi Salud Primary Medical Groups (PMGs) and providers

Mi Salud has 488 Primary Medical Groups (PMGs); the West Region has 92 PMGs, followed by the North Region (83). San Juan Region has the lowest amount of PMGs (27). Currently, four regions (East, West, Metro, and North) account for 61% of all public beneficiaries. The East region has the most beneficiaries (255,746).

Lives per Primary Medical Groups (PMG) by Triple S, Puerto Rico August 2012

Region	PMG	Total
East	72	255,746
Metro North	66	207,709
North	83	201,132
North East	50	126,033
San Juan	27	79,694
South East	60	198,012
South West	38	169,738
West	92	225,061
Grand Total	488	1,463,125

Source: Administración de Seguros de Salud

Although San Juan is the region with the least amount of beneficiaries, has the greatest numbers of psychiatrists (58), psychologists (27), and laboratories (136). On the other hand, the East region has the highest amount of primary physicians (314) and the West region the highest amount of specialist physicians. Metro North region has the highest amount of dentists (201) and X-rays (86). It is noticeable that the rate of providers per 10,000 beneficiaries is less than one for psychiatrists in South East and West region. The same situation occurs for X-rays, in which there is less than one X-rays service per 10,000 beneficiaries in the South East and South West regions.

Beneficiaries per Primary Medical Groups (PMG) by Region, Puerto Rico August 2012

Region	Municipality or Barrio	Beneficiaries
East	Aguas Buenas	14,087
	Barranquitas	1,135
	Caguas	70,900
	Cayey	22,085
	Cidra	21,290
	Guaynabo	599
	Gurabo	15,383
	Humacao	31,894
	Juncos	14,701
	Las Piedras	12,438
	Naguabo	12,048
	San Lorenzo	21,067
	Yabucoa	18,119
East Total		255,746
Metro North	Bayamón	77,592
	Cataño	5,257
	Comerio	9,549
	Corozal	23,923
	Dorado	9,201
	Gauynabo	13,566
	Manatí	176
	Naranjito	9,740
	Orocovis	-
	Rio Grande	118
	Sabana Seca	280
	San Juan	2,016
	Toa Alta	14,900
	Toa Baja	21,912
	Vega Alta	17,670
	Vega Baja	1,809
Metro North Total		207,709

Beneficiaries per Primary Medical Groups (PMG) by Region, Puerto Rico August 2012

Region	Municipality or Barrio	Beneficiaries
North	Adjuntas	446
	Aguada	310
	Arecibo	41,837
	Bajadero	38
	Barceloneta	10,906
	Bayamón	226
	Camuy	12,323
	Castañer	976
	Ciales	11,091
	Florida	4,225
	Hatillo	14,627
	Isabella	127
	Lares	17,114
	Manatí	25,316
	Morovis	14,104
	Ponce	167
	Quebradillas	13,888
	Sabana Hoyos	773
	San Sebastian	38
	Toa Alta	-
	Utuado	14,968
	Vega Alta	137
	Vega Baja	17,495
North Total		201,132
North East	Canovanas	26,714
	Carolina	30,801
	Ceiba	3,824
	Culebra	291
	Fajardo	15,345
	Loiza	8,019
	Luquillo	4,878
	Rio Grande	14,933
	San Juan	7,219
	Trujillo Alto	11,702
	Vieques	2,307
North East Total		126,033

Beneficiaries per Primary Medical Groups (PMG) by Region, Puerto Rico August 2012

Region	Municipality or Barrio	Beneficiaries
San Juan	Canovanas	-
	Carolina	1,511
	Culebra	116
	Fajardo	532
	Rio Piedras - San Juan	966
	San Juan	73,153
	Toa Baja	59
	Trujillo Alto	3,357
San Juan Total		79,694
South East	Aibonito	23,153
	Arroyo	11,759
	Barranquitas	17,218
	Cidra	1,135
	Coamo	17,998
	Comerio	8
	Guayama	28,358
	Guayanilla	1,256
	Juana Diaz	23,389
	Manatí	8
	Maunabo	7,227
	Naranjito	7
	Orocovis	12,592
	Patillas	8,130
	Peñuelas	1,256
	Ponce	3,000
	Salinas	18,340
	Santa Isabel	8,424
	Villalba	14,754
South East Total		198,012

Beneficiaries per Primary Medical Groups (PMG) by Region, Puerto Rico August 2012

Region	Municipality or Barrio	Beneficiaries
South West	Adjuntas	19,268
	Coamo	-
	Guanica	7,673
	Guayama	-
	Guayanilla	11,408
	Jayuya	9,802
	Juana Diaz	1,256
	Lares	374
	Peñuelas	14,139
	Ponce	82,665
	Salinas	1,526
	Santa Isabel	-
	Villalba	-
	Yauco	21,627
South West Total		169,738
West	Adjuntas	206
	Aguada	19,460
	Aguadilla	23,611
	Añasco	9,377
	Arecibo	185
	Bayamón	340
	Boqueron	326
	Cabo Rojo	16,204
	Camuy	1
	Castañer	454
	Hormigueros	3,861
	Isabela	18,650
	Lajas	8,151
	Las Marias	3,201
	Maricao	582
	Mayaguez	45,496
	Moca	17,595
	Rincon	7,329
	Sabana Grande	7,684
	San Antonio	410
	San German	18,972
	San Juan	19
	San Sebastian	22,947
West Total		225,061
Grand Total		1,463,125

Source: Administración de Seguros de Salud

Mi Salud Providers by Region, Puerto Rico August 2012

Regions	Physicians		Dentists	Psichia-trists	Psycho-logists	Lab	X-rays
	Primary	Specialist					
SSS							
Metro north	228	415	201	41	63	112	86
North	309	250	109	26	56	65	24
North east	137	241	153	46	27	118	23
San Juan	92	337	138	58	71	136	26
West	274	751	190	18	56	91	49
Total	1,040	1,994	730	189	273	522	208
Humana							
East	314	346	180	29	62	71	43
Southeast	162	114	68	17	54	48	16
Southwest	168	167	79	18	48	59	15
Total	644	627	327	64	164	178	74

Source: Administración de Seguros de Salud

Mi Salud Providers per 10,000 Beneficiaries by Region, Puerto Rico August 2012

Regions	Beneficiaries	Physicians		Dentists	Psichia-trists	Psycho-logists	Lab	X-rays
		Primary	Specialist					
East	255,746	12.3	13.5	7.0	1.1	2.4	2.8	1.7
Metro North	207,709	11.0	20.0	9.7	2.0	3.0	5.4	4.1
North	201,132	15.4	12.4	5.4	1.3	2.8	3.2	1.2
North East	126,033	10.9	19.1	12.1	3.6	2.1	9.4	1.8
San Juan	79,694	11.5	42.3	17.3	7.3	8.9	17.1	3.3
South East	198,012	8.2	5.8	3.4	0.9	2.7	2.4	0.8
South West	169,738	9.9	9.8	4.7	1.1	2.8	3.5	0.9
West	225,061	12.2	33.4	8.4	0.8	2.5	4.0	2.2
Total	1,463,125	11.5	17.9	7.6	1.7	3.0	4.8	1.9

Source: Administración de Seguros de Salud

F. Services used by people with Mi Salud insurance

In 2011, nearly 65% of people hospitalized were females. The East, Metro-North, North, and West Region had the highest proportion of hospitalization (between 14.1% and 15.8%). Among age groups, 18.7% of the hospitalizations occurred in people between 20 to 29 years of age, followed by people younger than 10 years of age group (18.4%). The population with the lowest amount of hospitalizations were those with 80 years of age and older.

Most of the patients who went to an emergency room (ER) were females (58.1%). Similar to hospitalizations, the East, Metro-North, North, and West Region had the highest percentage of patients visiting the ER. The age group with the highest proportion of patients visiting an ER was children younger than 10 years of age (24.87%), followed by people between 20 to 29 years of age (17.1%). The population with the lowest amount of hospitalizations were those with 80 years of age and older.

From 2008 to 2011, there was an increase in patients receiving services due to anorexia nervosa. This disease occurred mostly in females between 10 to 19 years of age. Data by region showed that most cases occurred in the Southeast region. Cases of bulimia nervosa increased between 2008 and 2009. Similar to anorexia nervosa, the South East region had the highest amount of cases of this disease.

Hospitalized Patients by Gender, Age, and Region, Mi Salud, 2011

Region	Sex	Age groups										Total
		< 10 years	10-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-69 years	70 - 79 years	80-89 years	> 90 years	
East	F	1,241	1,136	2,836	1,029	767	762	814	808	558	187	10,138
	M	1,403	410	420	442	519	641	654	562	313	93	5,457
Metro-North	F	1,666	1,300	3,080	1,089	825	902	868	717	474	174	11,095
	M	1,836	418	309	338	519	710	606	443	245	73	5,497
North	F	1,109	1,081	2,437	1,109	949	958	1,075	873	582	160	10,333
	M	1,332	438	384	445	588	737	828	649	371	109	5,881
North-East	F	1,136	883	1,980	617	496	520	495	353	269	98	6,847
	M	1,309	249	173	226	360	463	421	247	142	33	3,623
San Juan	F	1,182	530	961	402	391	447	379	247	206	73	4,818
	M	1,292	251	147	137	247	365	284	153	76	24	2,976
South-East	F	936	1,020	2,269	874	733	685	725	675	396	136	8,449
	M	1,083	280	344	356	446	549	623	480	258	77	4,496
South-West	F	429	693	2,052	845	548	621	604	528	363	102	6,785
	M	530	234	281	286	343	479	490	370	191	42	3,246
Special	F	41	105	22	0	0	0	0	0	0	0	168
	M	57	36	4	0	0	0	0	0	0	0	97
West	F	1,230	781	1,565	865	822	979	1,117	927	597	194	9,077
	M	1,467	364	327	366	520	807	833	636	295	84	5,699
Total		19,279	10,209	19,591	9,426	9,073	10,625	10,816	8,668	5,336	1,659	104,682

Source: Administración de Seguros de Salud

Patients Using Emergency Rooms by Gender, Age, and Region, Mi Salud, 2011

Region	Sex	Age groups										Total
		< 10 years	10-19 years	20-29 years	30-39 years	40-49 years	50-59 years	60-69 years	70 - 79 years	80-89 years	> 90 years	
East	F	13,286	8,935	12,425	8,486	7,002	6,202	4,479	2,483	1,494	362	65,154
	M	14,691	7,669	6,647	5,060	4,580	3,764	2,636	1,480	750	211	47,488
Metro-North	F	12,579	8,669	12,026	7,644	6,559	5,962	3,524	1,675	909	251	59,798
	M	14,182	6,964	5,933	4,172	3,923	3,316	1,883	877	453	94	41,797
North	F	12,112	9,557	12,060	8,220	7,225	5,998	4,124	2,211	1,293	281	63,081
	M	14,063	8,314	6,710	4,998	4,434	3,618	2,510	1,309	698	157	46,811
North-East	F	8,300	5,921	7,839	5,036	4,372	3,683	2,545	1,114	654	200	39,664
	M	9,375	4,529	3,183	2,373	2,512	2,050	1,339	647	303	75	26,386
San Juan	F	6,359	4,050	5,419	3,384	3,238	3,265	1,914	834	503	143	29,109
	M	7,290	3,201	1,832	1,341	1,605	1,626	1,012	402	193	49	18,551
South-East	F	10,558	7,502	9,853	6,273	5,466	4,591	3,518	2,132	1,042	265	51,200
	M	11,894	6,449	5,755	4,033	3,706	3,218	2,257	1,382	670	171	39,535
South-West	F	8,292	5,630	8,000	5,374	4,406	4,267	2,858	1,537	716	162	41,242
	M	9,465	4,696	4,425	3,220	2,681	2,451	1,625	842	416	67	29,888
Special	F	451	987	128	1	0	0	0	0	0	0	1,567
	M	521	827	76	0	0	0	0	0	0	0	1,424
West	F	10,916	9,526	12,319	8,678	7,726	6,750	4,720	2,432	1,291	308	64,666
	M	12,764	8,104	7,396	5,565	4,811	4,194	2,648	1,320	656	147	47,605
Total		177,098	111,530	122,026	83,858	74,246	64,955	43,592	22,677	12,041	2,943	714,966

Source: Administración de Seguros de Salud

Anorexia Nervosa by ASES Region, Puerto Rico 2008-2009

ASES Region	2008				2009			
	Female		Male		Female		Male	
	Total	Services	Total	Services	Total	Services	Total	Services
North	11	31	1	3	11	25	3	3
Metro north	6	12	1	1	8	13	2	3
East	9	23	3	5	8	9	6	12
Noreast	3	7	1	1	3	15	3	4
Southeast	13	28	2	4	14	50	1	6
San Juan	1	1	1	1	2	3	3	8
Virtual	0	0	0	0	2	2	0	0
Southeast	8	20	2	6	10	15	1	2
West	4	9	7	14	3	3	5	12
Total	55	131	18	35	61	135	24	50

Source: Administración de Seguros de Salud

Anorexia Nervosa by Age and Sex, Puerto Rico 2010-2011*

Age group	2010			2011		
	Female	Male	Total	Female	Male	Total
< 10 years	1	4	5	0	0	0
10 - 19 years	13	3	16	25	10	35
20 - 29 years	5	2	7	9	3	12
30-39 years	3	1	4	4	0	4
40 - 49 years	5	1	6	1	1	1
50-59 years	1	2	3	0	3	3
> 60 years	5	3	8	12	10	22
Total	32	12	44	51	27	77

*Data for 2011 is until November

Source: Administración de Seguros de Salud

Bulimia Nervosa by ASES Region, Puerto Rico 2008-2009

ASES Region	2008				2009			
	Female		Male		Female		Male	
	Total	Services	Total	Services	Total	Services	Total	Services
North	6	21	0	0	4	11	1	1
North Metro	0	0	0	0	6	26	3	5
East	3	3	0	0	2	6	0	0
Noreast	1	9	0	0	0	0	1	1
Southeast	7	16	0	0	10	18	2	4
San Juan	2	9	2	6	2	2	1	4
Virtual	0	0	0	0	0	0	0	0
Southeast	4	5	0	0	7	19	0	0
West	2	3	0	0	2	4	0	0
Total	25	66	2	6	33	86	8	15

Source: Administración de Seguros de Salud

VI. Mental health and substance abuse services profile

The source of data for this section is the Mental Health and Substance Abuse Services Administration (ASSMCA, in Spanish), the Behavioral Risk factor Surveillance System, and the Youth Risk Surveillance System.

A. Total number of licensed facilities offering mental health services

There are 449 licensed facilities for the provision of mental health services. Most of them are nonprofit organizations.

B. Characteristics of mental health measures

The penetration rate of services of ASSMCA is 5.99 per 1,000 population The median length of hospital stay in adults is 20 days. The readmission hospitalization rate for non-forensic patients within 30 days is 10.1%. Additionally, 20% of the patients served have a dual diagnosis of severe mental illness and substance abuse; in children, this dual diagnosis occurred in 14% of patients.

C. Total number of clients served by ASSMCA

During fiscal year 2011, the Mental Health and Substance Abuse Services Administration (ASSMCA, in Spanish) served 23,560 patients for mental health services. Most of the patients were males (51.6%), and 65% of them had between 21 and 64 years of age. Most patients received services in community settings. Over 2,500 patients received services in a state psychiatric hospitals and over 21,039 received services in community programs. Non-forensic patients, males and females, had similar readmission rates within 30 days after being discharged from the psychiatric hospitals. Most patients were males. During fiscal year 2012, ASSMCA served 43,145 people; 68% were males. Among all patients served, 36% received services in a mental health center. Additionally, state psychiatric hospitals provided services to 1,627 people, mostly males. Finally, there were 2,732 children receiving mental health services; 56% of these were males.

Licensed Facilities for Mental Health and Substance Abuse Service Provision

Facility	Corporation type		Total
	For profit	Non-profit	
Casa de Salud	0	1	1
Centro de Detox Sustancias y/o Alcohol - Ambulatorio	0	3	3
Centro de Detox Sustancias y/o Alcohol - Interno	0	12	12
Centro de Prevención para la Salud Mental, Droga y Alcohol	0	16	16
Centro de Prevención para la Salud Mental, Drogas y Alcohol	0	1	1
Centro de Recuperación Sustancias y/o Alcohol	0	1	1
Centro de Salud Mental	0	1	1
Centro de Servicio Psicosocial	1	1	2
Centro de Tratamiento Ambulatorio Drogas y Alcohol	0	1	1
Centro de Tratamiento Ambulatorio Drogas y/o Alcohol	3	18	21
Centro de Tratamiento Residencial Drogas y Alcohol	0	8	8
Centro de Tratamiento Residencial Sustancias y/o Alcohol	0	125	125
Centros de Prevención y Promoción de la Salud Mental	1	3	4
Clínica Ambulatoria de Salud Mental	42	29	71
Clínica Ambulatoria de Sustancias	15	8	23
Clínica de Buprenorfina	0	9	9
Hogar de Condiciones Especiales de Salud Mental	0	2	2
Hogar de Cuidado Prolongado Salud Mental	1	12	13
Hogar de Salud Mental para Niños y/o Adolescentes	1	8	9
Hogar de Servicio de Salud Mental para Niños y/o Adolescente	0	8	8
Hogar de Sintomatología Persistente de Salud Mental	0	3	3

Licensed Facilities for Mental Health and Substance Abuse Service Provision

Facility	Corporation type		Total
	For profit	Non-profit	
Hogar de Sustancias para Niños y/o Adolescentes	0	2	2
Hogar de Vida Independiente	0	1	1
Hogar Geriátrico de Salud Mental	1	21	22
Hogar Geriátrico Encamado de Salud Mental	0	1	1
Hogar Geriátrico Prolongado de Salud Mental	0	6	6
Hogar Grupal de Salud Mental	0	12	12
Hogar Sustituto de Salud Mental	0	17	17
Hogar Transicional de Salud Mental	1	1	2
Hospital Psiquiátrico	8	3	11
Hospital Psiquiátrico Salud Mental	1		1
Hospitalización Parcial	5	8	13
Programa de Ayuda al Empleado	4	8	12
Programa de Consejería de Alcohol sobre la Ley 22	0	4	4
Sala Estabilizadora Salud Mental	6	2	8
Unidad Transicional de Salud Mental	0	3	3
Total	90	359	449

Source: Administración de Servicios de Salud Mental y Contra la Adicción.

Mental Health Services, FY 2010-11

Basic Measures	**Rate**
Penetration Rate per 1,000 population	5.99
Community Utilization per 1,000 population	5.29
State Hospital Utilization per 1,000 population	0.63
Other Psychiatric Inpatient Utilization per 1,000 population	0.06
Length of stay (LOS)	Days
State Hospital LOS Discharged Adult patients (Median)	20 Days
State Hospital LOS for Adult Resident patients in facility <1 year (Median)	89 Days
Readmission Rates:(Civil "non-Forensic" clients)	**Percent**
State Hospital Readmissions: 30 Days	10.1%
State Hospital Readmissions: 180 Days	12.2%
State Hospital Readmissions: 30 Days: Adults	10.1%
State Hospital Readmissions: 180 Days: Adults	12.3%
Readmission to any psychiatric hospital: 30 Days	10.1%
Mental health conditions and co-occurrence	**Percent**
Adults with severe mental illness	15.1%
Children with severe emotional disturbance	13.9%
Adults with severe mental illness and children with severe emotional disturbance	14.8%
Adults with co-occurring mental health and/or substance abuse disorders	13.0%
Children with Co-occurring mental health and/or substance abuse disorders	6.0%
Adults with severe mental illness and a substance abuse diagnosis	20.0%
Children with severe mental illness and a substance abuse diagnosis	14.0%

Source: Administración de Servicios de Salud Mental y Contra la Adicción. URS tables, FY 2010-11

Characteristics of the Population Receiving Mental Health Services by Facility Type, FY 2010-11

	Served in				Total	
	Community		State Psychiatric			
	N	%	N	%	N	%
Age						
0-17 years	4,778	23%	481	19%	5,259	22.3%
18-20 years	1,343	6%	95	4%	1,438	6.1%
21-64 years	13,585	65%	1,775	70%	15,360	65.2%
65 years and above	1,333	6%	170	7%	1,503	6.4%
Total	21,039	100%	2,521	100%	23,560	100.0%
Gender						
Female	10,536	50%	868	34%	11,404	48.4%
Male	10,503	50%	1,653	66%	12,156	51.6%
Total	21,039	100%	2,521	100%	23,560	100.0%

Source: Administración de Servicios de Salud Mental y Contra la Adicción. URS tables, FY 2010-11

Admissions by Setting and Population Group, Puerto Rico FY2010-11

Setting	Demographic	Admission			
		During Year	Served At Start of Year	Served During Year	Rate
State Psychiatric Hospitals	Total	1,407	330	2,521	0.56
	Children	562	7	481	1.17
	Adults	845	323	2,040	0.41
Other Inpatient	Total	58	41	220	0.26
	Adults	58	41	220	0.26
Residential Treatment Centers	Total	22	8	31	0.71
	Children	22	8	31	0.71
Community Programs	Total	4,185	14,236	21,039	0.20
	Children	1,296	4,933	4,778	0.27
	Adults	2,889	9,303	16,261	0.18

Source- Administración de Servicios de Salud Mental y Contra la Adicción. URS tables, FY 2010-11

Readmission by Demographic Characteristics, FY 2010-11

	Readmissions within 30 days to state psychiatric hospitals:					
	Civil (Non-Forensic) Patients			Forensic Patients		
	Readmissions	Discharges	Percent	Readmissions	Discharges	Percent
Age						
13 to 17	-	3	-	-	-	-
18 to 20	3	32	9.4%	-	1	-
21 to 64	113	1,125	10.0%	19	215	8.8%
65 to 74	4	33	12.1%	2	20	10.0%
75 and over	-	-	-	-	6	-
Not Available	-	1	-	-	-	-
Total	**120**	**1,194**	**10.1%**	**21**	**242**	**8.7%**
Gender						
Female	48	478	10.0%	-	-	-
Male	72	716	10.1%	21	242	8.7%
Total	**120**	**1,194**	**10.1%**	**21**	**242**	**8.7%**

Source- Administración de Servicios de Salud Mental y Contra la Adicción. URS tables, FY 2010-11

Readmission by Demographic Characteristics, FY 2010-11

	Readmissions within 180 days to state psychiatric hospitals:					
	Civil (Non-Forensic) Patients			Forensic Patients		
	Readmissions	Discharges	Percent	Readmissions	Discharges	Percent
Age						
13 to 17	-	3	-	-	-	-
18 to 20	4	32	12.5%	-	1	-
21 to 64	138	1,125	12.3%	-	215	-
65 to 74	4	33	12.1%	-	20	-
75 and over	-	-	-	-	6	-
Not Available	-	1	-	-	-	-
Total	**146**	**1,194**	**12.2%**	**-**	**242**	**-**
Gender						
Female	58	478	12.1%	-	-	-
Male	88	716	0	-	242	-
Total	**146**	**1,194**	**12.2%**	**-**	**242**	**-**

Source- Administración de Servicios de Salud Mental y Contra la Adicción. URS tables, FY 2010-11

Patients Served for Substance Abuse in ASSMCA by Treatment Program and Gender, Puerto Rico FY 2011-12

Program	Patients			Disposition	
	Total	Male	Female	Admissions	Discharges
Unidad de Desintoxicación de Alcohol en Rio Piedras	942	803	139	920	886
Centros de Mantenimiento con Metadona	6,840	5,951	889	956	1,381
Centros de Servicios Integrados y de Recuperación	275	191	84	48	70
Centros de Salud Mental para Adultos	15,559	7,427	8,132	2,639	2,753
Charlas Socioeducativas Ley 22	1,272	1,189	83	977	1,074
Evaluación Ley 22	2,009	1,853	156	2,009	2,009
Hospital de Psiquiatría General	1,034	637	397	80	1,074
Hospitales de Psiquiatría Forense	593	530	63	451	382
Programa de Ayuda a Jugadores Compulsivos (PAJC)	86	56	30	52	40
Programa de Servicios de Evaluación y Recuperación al Empleado (SERE)	298	248	50	190	209
Programa de Tratamiento Residencial para Adultos	420	358	62	289	306
Programa de Vuelta a la Vida, Sanación y Hogar	1,724	1,445	279	271	277
Programa TASC (Treatment Alternatives to Street Crime)	768	720	48	157	248
Programa TASC (Treatment Alternatives to Street Crime) Juvenil	181	164	17	49	79
Programas de Corte de Droga Ambulatorio	1,863	1,727	136	945	875
Programas de Corte de Drogas Tribunal	1,033	958	75	275	381
Programas de Tratamiento para Niños y Adolescentes	3,632	2,416	1,216	1,317	1,307
Programas de Tratamiento Residencial para Adolescentes	3,854	2,416	1,438	1,988	1,816
Complejo de Vida Independiente de San Germán	18	12	6	-	-

Patients Served for Substance Abuse in ASSMCA by Treatment Program and Gender, Puerto Rico FY 2011-12

Program	Patients			Disposition	
	Total	Male	Female	Admissions	Discharges
Programa de Servicios de Rehabilitación para Adultos de Ponce	744	426	318	177	141
Servicios Transicionales para Adultos de Arecibo	-	-	-	-	-
Total	43,145	29,527	13,618	13,790	15,308

Source- Administración de Servicios de Salud Mental y Contra la Adicción. Moviemiento de clientela, año fiscal 2011-2012

People Receiving Services at Psychiatrist Hospitals by Gender, ASSMCA FY 2011-12

Program	Patients			Disposition	
	Total	Male	Female	Admissions	Discharges
Hospital de Psiquiatría General Dr. Ramón Fernández Marina Río Piedras	1034	637	397	41	841
Hospital de Psiquiatría Forense de Ponce	291	228	63	128	117
Hospital de Psiquiatría Forense San Juan	302	302	0	192	265
Total	1,627	1,167	460	361	1,223

Source- Administración de Servicios de Salud Mental y Contra la Adicción. Moviemiento de clientela, año fiscal 2011-2012

Children and Adolescents Receiving Services in ASSMCA by Gender and Progran, FY 2011-

Program	Patients			Disposition	
	Total	Male	Female	Admissions	Discharges
Clínica de Niños y Adolescentes de Rio Piedras	1113	598	515	254	218
Centro de Salud Mental Vieques	54	22	32	20	28
UPHA-Bayamón	592	268	324	524	578
UPHN-Bayamón	215	143	72	178	211
Clínica Ambulatoria Bayamón	686	467	219	358	258
Diurno Bayamón	72	53	19	54	67
Total	2,732	1,551	1,181	1,388	1,360

Source- Administración de Servicios de Salud Mental y Contra la Adicción. Moviemiento de clientela, año fiscal 2011-2012

D. Adult substance use for Puerto Rico

The prevalence of binge[3] drinkers is higher in age groups 18 to 34 years. On the other hand, the prevalence of heavy drinkers[4] is higher among people 24 to 34 years or age. Throughout the years, males have had a higher prevalence of binge and heavy drinking than females. However, in the past years, there has been a slight increase in females binge drinkers.

Data from ASSMCA showed that in 2008, 59.4% of males and 39.2% of females indicated having used alcohol during the past year. In both genders, the highest prevalence was among people ages 18 and 34 years of age. This same age group had the higher percentage of any drug use and illicit drug use. The lifetime prevalence of marijuana use in 2008 was 18.5%. Males had a higher prevalence than females (26.4% vs. 11.3%). The second most used drug in adults is cocaine (6.9%), followed by sedatives (4.9%). The prevalence of controlled prescription use was higher in males and females 25 to 34 years of age (5.9% vs. 3.9%, respectively). Finally, all health regions had a high last year prevalence of marijuana use (4.3% to 8.6%); the Metro region had the highest prevalence (8.6%).

[3] Binge drinking means males having five or more drinks in one occasion and females having four or more drinks in one occasion.
[4] Heavy drinking means males having at least two drinks per day and females having at least one drink per day.

Prevalence of Alcohol Use by Adults by Age, Puerto Rico 2011

Age	At least one drink	Binge drinkers	Heavy drinkers
18-24	46.6%	23.3%	4.4%
25-34	48.5%	24.6%	9.0%
35-44	36.2%	15.7%	5.8%
45-54	31.9%	15.2%	5.9%
55-64	23.0%	7.4%	3.3%
65+	16.1%	4.6%	2.6%

Note: Binge drinking means males having five or more drinks at one ocassion and females having four or more drinks at one ocassion. Heavy drinking means males having at least two drinks per day and females

Source: Puerto Rico Behavioral Risk Factor Surveillance Survey. Prevalence trends.

Prevalence of Alcohol Use in Adults by Gender, Puerto Rico 2001-2010

	Binge			Heavy		
Year	Male	Female	Total	Male	Female	Total
2001	20.4%	3.2%	11.3%	6.5%	1.4%	3.8%
2002	20.3%	2.2%	10.6%	5.1%	0.7%	2.8%
2003	18.5%	2.2%	9.8%	4.5%	0.6%	2.4%
2004	21.7%	4.1%	12.3%	4.6%	2.0%	3.2%
2005	26.1%	5.9%	15.2%	8.4%	1.7%	4.8%
2006	22.9%	6.0%	13.8%	5.7%	2.1%	3.7%
2007	18.3%	4.5%	10.8%	5.7%	2.5%	3.9%
2008	17.6%	5.1%	10.9%	5.6%	2.4%	3.9%
2009	17.0%	5.0%	10.6%	4.8%	1.9%	3.2%
2010	19.6%	5.7%	12.1%	5.0%	1.3%	3.0%

Note: Binge drinking means males having five or more drinks at one ocassion and females having four or more drinks

Source: Puerto Rico Behavioral Risk Factor Surveillance Survey. Prevalence trends.

Lifetime Prevalence of Drugs use in Adults by Gender, Puerto Rico 2008

Drug types	Male		Female		Both	
	n	%	n	%	n	%
Marijuana	364,238	26.4	171,334	11.3	535,572	18.5
Cocaine	146,471	10.6	52,934	3.5	199,405	6.9
Sedatives	71,963	5.2	69,276	4.5	141,239	4.9
Opiods (not prescribed)	66,301	4.8	39,328	2.6	105,629	3.6
Others	58,239	4.2	36,613	2.4	94,852	3.3
Crack	37,883	2.7	11,010	0.7	48,893	1.7
Heroine	35,824	2.6	9,470	0.6	45,294	1.6

Source - Administración de Servicios de Salud Mental y Contra la Adicción. Trastornos de substancias y uso de servicios en Puerto Rico - Encuesta de hogares, 2008

Alcohol and Drug Use by Adults During Past Year by Gender and Age, Puerto Rico 2008

	Alcohol		Any drug		Ilicit drugs		Controlled prescriptions	
Gender and age	**n**	**%**	**n**	**%**	**n**	**%**	**n**	**%**
Males	821,223	59.4	171,098	12.4	153,557	11.1	44,331	3.2
15-17 years	36,345	35.7	14,576	14.3	14,576	14.3	5,154	5.1
18-24 years	148,064	64.9	44,944	19.7	44,944	19.7	4,222	1.8
25-34 years	199,561	71.9	56,162	20.2	51,344	18.5	16,315	5.9
35-64 years	390,305	59.2	53,833	8.2	41,702	6.3	18,046	2.7
65-74 years	46,949	40.6	1,582	1.4	990	0.9	593	0.5
Females	596,380	39.2	96,575	6.3	66,156	4.3	37,788	2.5
15-17 years	18,039	18.6	4,517	4.6	2,819	2.9	1,698	1.7
18-24 years	115,181	50.1	37,798	16.4	33,718	14.7	7,110	3.1
25-34 years	151,445	51.4	24,053	8.2	14,158	4.8	11,599	3.9
35-64 years	284,934	37.4	28,952	3.8	15,045	2	16,544	2.2
65-74 years	26,780	19.1	1,254	0.9	417	0.3	837	0.6
Both 15-74 years	1,417,603	48.8	267,673	9.2	219,713	7.6	82,118	2.8

Source - Administración de Servicios de Salud Mental y Contra la Adicción. Trastornos de substancias y uso de servicios en Puerto Rico - Encuesta de hogares, 2008

Past-Year Drug Use by Health Region, Puerto Rico 2008

Drug type	West		North		Metro		San Juan	
	n	%	n	%	n	%	n	%
Marijuana	25,387	5.9	17,004	4.7	44,029	8.6	25,427	8.1
Cocaine	1,778	0.4	3,160	0.9	11,762	2.3	3,579	1.1
Crack	431	0.1	360	0.1	3,884	0.8	1,441	0.5
Heroin	979	0.2	360	0.1	2,766	0.5	3,221	1
Opiods (not prescribed)	2,057	0.5	2,118	0.6	8,662	1.7	2,973	1
Sedatives	6,915	1.6	2,443	0.7	13,231	2.6	11,027	3.5
Other	3,057	0.7	1,968	0.5	2,095	0.4	1,985	0.6

Source - Administración de Servicios de Salud Mental y Contra la Adicción. Trastornos de substancias y uso de servicios en Puerto Rico - Encuesta de hogares, 2008

Drug type	Northeast		Southwest		Southeast		East	
	n	%	n	%	n	%	n	%
Marijuana	29,297	7.8	10,574	4.3	16,413	6.4	30,009	7.2
Cocaine	5,993	1.6	3,095	1.3	5,582	2.2	11,043	2.7
Crack	2,349	0.6	2,061	0.8	530	0.2	2,159	0.5
Heroin	374	0.1	247	0.1	1,109	0.4	414	0.1
Opiods (not prescribed)	2,967	0.8	1,514	0.6	4,657	1.8	13,265	3.2
Sedatives	4,348	1.2	1,596	0.6	2,480	1	11,997	2.9
Other	416	0.1	247	0.1	530	0.2	5,062	1.2

Source - Administración de Servicios de Salud Mental y Contra la Adicción. Trastornos de substancias y uso de servicios en Puerto Rico - Encuesta de hogares, 2008

Alcohol and Drug Use During the Past Year by Gender, Puerto Rico, 2002 and 2008 Comparison

Past year use	Year	
	2002 (%)	2008 (%)
Alcohol	47.2	50.7
Males	59.4	61.1
Females	35.9	41.2
Any drug	7.8	10
Males	10.2	13.4
Females	5.6	6.9
Controlled medicines	2.9	3
Males	2.8	3.5
Females	2.9	2.7
Ilicit drugs	6.1	8.2
Males	9	12
Females	3.4	4.8

Source - Administración de Servicios de Salud Mental y Contra la Adicción. Trastornos de substancias y uso de servicios en Puerto Rico - Encuesta de hogares, 2008

E. Adolescent substance use for Puerto Rico

The prevalence of smoking a cigarette prior 13 years of age decreased from 12.8% in 1991 to 4.4% in 2011. However, students in grades lower than 12th grade of high school reported a higher prevalence of early cigarette smoking. The prevalence of early smoker females in 11th grade is higher than in their male counterparts (6.0% vs. 3.9%). The prevalence of early smoking was higher in males in 9th grade than in their female counterparts (5.2% vs. 3.9%). The prevalence of daily smoking decreased from 5.5% in 2005 to 2.5% in 2011. The highest prevalence is among adolescents in 10th grade (3.1%). However, the highest prevalence of daily smoking in females is in 10th graders (4.15), while in males is in 11th grade (4.1%).

The highest prevalence of drug use was in marijuana (10.2%), followed by inhalants[5] (9.6%). Students in 12th grade have the highest prevalence of marijuana use (17.2%). The prevalence of marijuana use in males in 12th grade is 11 percentage points higher than in females. The prevalence of inhalants use is higher among males and females of 10th grade (13.2% vs. 11.3%). The prevalence of prescription drug use is higher in females in 9th grade (4.9%), and males in 10th grade (7.7%). Finally, the prevalence of ecstasy and steroids use is the same; 11th graders have the highest prevalence.

[5] Use of inhalants refers to ever sniffed glue, breathed the contents of aerosol spray cans, or inhaled any paints or sprays to get high one or more times.

Smoked A Whole Cigarette For The First Time Before Age 13 Years, Puerto Rico, selected years

Sex	Grade	Year				
		1991	1995	1997	2005	2011
Total	Total	12.8	12.5	14.3	8.1	4.4
	9th	14.7	17.3	19.5	7.5	4.5
	10th	11.4	13.4	13.5	7.8	4.2
	11th	12.4	9.8	14.2	7.7	5.0
	12th	12.3	7.7	10.0	10.0	3.8
Female	Total	10.0	8.2	9.9	6.8	4.4
	9th	13.0	11.8	16.0	8.5	3.9
	10th	9.6	9.0	9.5	6.1	3.4
	11th	7.2	6.1	8.4	5.5	6.0
	12th	9.8	4.4	5.6	6.4	3.9
Male	Total	15.9	17.2	19.4	9.6	4.6
	9th	16.8	23.2	23.3	6.4	5.2
	10th	13.4	18.1	17.8	10.0	4.9
	11th	18.4	14.0	22.8	10.5	3.9
	12th	15.5	11.6	15.3	13.8	3.8

Source: Youth Risk Behavior Surveillance System

Ever Smoked At Least One Cigarette Every Day For 30 Days, Puerto Rico 2005 and 2011

Sex	Grade	Year	
		2005	2011
Total	Total	5.5	2.5
	9th	3.9	2.2
	10th	4.6	3.1
	11th	7.4	2.7
	12th	8.1	2.2
Females	Total	4.4	2.7
	9th	3.9	2.9
	10th	3.9	4.1
	11th	4.3	1.5
	12th	6.5	2.3
Males	Total	6.9	2.3
	9th	3.9	1.4
	10th	5.4	2.2
	11th	11.3	4.1
	12th	9.6	2.2

Source: Youth Risk Behavior Surveillance System

Lifetime prevalence of drug use by type, sex, and grade, Puerto Rico 2011

Sex	Grade	Marijuana	Cocaine	Inhalants	Metamphe-tamines	Ecstasy	Steroids	Prescription	Injected drugs
Total	Total	10.2	2.9	9.6	2.5	2.7	2.7	4.7	2.0
	9th	4.9	2.0	8.2	1.5	2.6	2.5	5.3	2.3
	10th	9.9	4.1	12.2	3.0	2.7	2.7	4.7	2.1
	11th	10.0	3.5	10.4	4.1	3.4	4.1	4.7	2.3
	12th	17.2	1.7	7.3	1.3	2.4	1.8	3.9	1.1
Females	Total	7.4	2.1	10.4	1.7	2.1	1.6	3.3	0.8
	9th	4.0	2.2	9.0	0.7	2.9	1.5	4.9	1.0
	10th	7.5	1.8	11.3	0.9	0.9	1.3	1.7	0.9
	11th	7.0	2.8	13.1	3.8	2.0	2.6	3.4	0.5
	12th	11.8	1.7	8.0	2.0	3.1	0.9	3.3	1.0
Males	Total	13.2	3.9	8.8	3.2	3.3	4.0	6.2	3.2
	9th	6.0	1.9	7.6	2.3	2.3	3.6	5.8	3.7
	10th	12.6	6.7	13.2	5.1	4.6	4.3	7.7	3.3
	11th	13.5	4.3	7.3	4.5	5.0	5.7	6.2	4.3
	12th	23.3	1.7	6.5	0.6	1.7	2.8	4.4	1.2

Source: Youth Risk Behavior Surveillance System

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VIII. Appendix

Municipalities that lost population between 2000 and 2011

Municipality	2000	2011	Difference
Aguada	42,110	41,812	-298
Aguadilla	64,701	60,316	-4,385
Aguas Buenas	28,680	28,599	-81
Aibonito	26,504	25,724	-780
Arecibo	100,142	95,816	-4,326
Bayamón	224,001	205,693	-18,308
Camuy	35,276	35,035	-241
Carolina	185,522	175,129	-10,393
Cataño	30,058	27,821	-2,237
Ceiba	17,903	13,440	-4,463
Ciales	19,734	18,624	-1,110
Culebra	1,868	1,809	-59
Fajardo	40,662	36,499	-4,163
Guánica	21,862	19,115	-2,747
Guayanilla	23,063	21,368	-1,695
Guaynabo	100,217	97,280	-2,937
Humacao	59,185	58,189	-996
Jayuya	17,317	16,524	-793
Lajas	26,299	25,571	-728
Lares	34,369	30,219	-4,150
Las Marías	11,040	9,758	-1,282
Loíza	32,509	29,738	-2,771
Manatí	45,523	43,772	-1,751
Maricao	6,444	6,227	-217
Maunabo	12,746	12,142	-604
Mayagüez	98,329	87,712	-10,617
Orocovis	23,847	23,359	-488
Patillas	20,160	19,106	-1,054
Peñuelas	26,689	23,947	-2,742
Ponce	186,166	163,727	-22,439
Sabana Grande	25,914	25,132	-782
Salinas	31,139	30,981	-158
San Germán	37,102	35,254	-1,848
San Juan	434,488	389,714	-44,774
San Lorenzo	41,043	40,947	-96
San Sebastián	44,165	42,092	-2,073
Toa Baja	93,574	88,799	-4,775
Trujillo Alto	75,845	74,490	-1,355

Municipalities that lost population between 2000 and 2011

Municipality	2000	2011	Difference
Utuado	35,331	32,776	-2,555
Vega Baja	61,930	59,172	-2,758
Villalba	27,900	25,767	-2,133
Yabucoa	39,135	37,665	-1,470
Yauco	46,330	41,486	-4,844
Puerto Rico	3,810,605	3,706,690	-103,915

Source: U.S. Census Bureau. Population Estimates and Intercensal Estimates

Population and Median Age by Municipalities and Puerto Rico, 2011

Municipality	Population			Median age		
	Male	Female	Total	Males	Females	Total
Adjuntas	9,492	9,967	19,459	35.4	37.8	36.7
Aguada	20,540	21,272	41,812	37.1	39.2	38.1
Aguadilla	29,348	30,968	60,316	36.8	40.1	38.5
Aguas Buenas	14,005	14,594	28,599	35.1	37.9	36.5
Aibonito	12,444	13,280	25,724	36.3	39.9	38.2
Añasco	14,231	15,050	29,281	36.9	40.2	38.6
Arecibo	46,074	49,742	95,816	37.2	40.9	39.2
Arroyo	9,215	10,379	19,594	34.1	37.1	35.6
Barceloneta	11,989	13,024	25,013	34.8	37.0	36.0
Barranquitas	14,978	15,424	30,402	31.3	34.3	32.8
Bayamón	97,547	108,146	205,693	35.3	41.0	38.4
Cabo Rojo	24,482	26,763	51,245	38.7	40.9	39.8
Caguas	66,971	75,707	142,678	35.6	39.6	37.7
Camuy	16,911	18,124	35,035	36.4	39.1	37.8
Canóvanas	23,310	24,758	48,068	34.8	37.0	36.0
Carolina	80,947	94,182	175,129	36.0	40.7	38.5
Cataño	13,196	14,625	27,821	33.4	37.8	35.6
Cayey	23,216	24,849	48,065	36.6	39.2	38.0
Ceiba	6,343	7,097	13,440	36.5	39.7	38.2
Ciales	9,163	9,461	18,624	35.9	37.4	36.6
Cidra	21,277	22,247	43,524	35.0	37.5	36.3
Coamo	19,888	20,958	40,846	34.5	36.9	35.7
Comerío	10,351	10,428	20,779	33.9	37.0	35.5
Corozal	18,073	19,038	37,111	34.1	36.3	35.2
Culebra	916	893	1,809	40.5	39.5	39.9
Dorado	18,466	20,058	38,524	36.0	37.7	36.8
Fajardo	17,169	19,330	36,499	36.0	39.5	37.9
Florida	6,078	6,600	12,678	34.4	36.9	35.8
Guánica	9,206	9,909	19,115	36.4	39.3	37.9
Guayama	22,688	22,657	45,345	33.8	37.1	35.3
Guayanilla	10,347	11,021	21,368	35.1	38.0	36.6
Guaynabo	46,178	51,102	97,280	37.5	42.7	40.3
Gurabo	22,145	24,261	46,406	35.2	36.9	36.1
Hatillo	20,399	21,845	42,244	36.3	39.1	37.7
Hormigueros	8,039	9,256	17,295	39.4	44.6	42.0
Humacao	27,573	30,616	58,189	36.5	39.8	38.3
Isabela	22,224	23,445	45,669	36.9	39.7	38.4
Jayuya	8,263	8,261	16,524	32.4	35.2	33.7
Juana Díaz	24,362	26,314	50,676	33.8	36.1	35.0
Juncos	19,409	21,200	40,609	33.8	35.8	34.9
Lajas	12,490	13,081	25,571	38.2	42.2	40.2

Population and Median Age by Municipalities and Puerto Rico, 2011

Municipality	Population			Median age		
	Male	Female	Total	Males	Females	Total
Lares	14,880	15,339	30,219	↑ 36.4	↑ 39.1	↑ 37.8
Las Marías	4,827	4,931	9,758	↑ 36.4	↓ 37.5	↓ 36.9
Las Piedras	18,916	20,171	39,087	↓ 34.7	↓ 36.7	↓ 35.8
Loíza	13,965	15,773	29,738	↓ 32.4	↓ 35.4	↓ 34.0
Luquillo	9,506	10,555	20,061	↑ 36.6	↓ 38.3	↑ 37.5
Manatí	20,832	22,940	43,772	↑ 35.8	↑ 39.3	↑ 37.6
Maricao	3,073	3,154	6,227	↑ 36.4	↓ 37.8	↓ 37.1
Maunabo	6,007	6,135	12,142	↑ 38.0	↑ 39.9	↑ 39.0
Mayagüez	42,118	45,594	87,712	↓ 33.9	↑ 40.9	↓ 37.4
Moca	19,653	20,399	40,052	↓ 34.9	↓ 36.4	↓ 35.7
Morovis	16,360	16,463	32,823	↓ 32.7	↓ 34.6	↓ 33.7
Naguabo	12,928	14,123	27,051	↓ 33.7	↓ 35.5	↓ 34.7
Naranjito	15,065	15,358	30,423	↓ 34.7	↓ 36.9	↓ 35.7
Orocovis	11,762	11,597	23,359	↓ 33.8	↓ 36.4	↓ 35.1
Patillas	9,413	9,693	19,106	↑ 37.5	↑ 40.7	↑ 39.2
Peñuelas	11,701	12,246	23,947	↓ 33.0	↓ 34.3	↓ 33.7
Ponce	78,673	85,054	163,727	↓ 34.8	↑ 39.3	↓ 37.0
Quebradillas	12,628	13,262	25,890	↓ 35.6	↓ 38.5	↓ 37.0
Rincón	7,390	7,802	15,192	↑ 40.3	↑ 42.4	↑ 41.4
Río Grande	26,456	27,854	54,310	↓ 35.5	↓ 38.9	↓ 37.3
Sabana Grand	11,977	13,155	25,132	↑ 36.4	↑ 40.3	↑ 38.5
Salinas	15,041	15,940	30,981	↓ 33.7	↓ 36.8	↓ 35.4
San Germán	17,102	18,152	35,254	↑ 37.9	↑ 41.5	↑ 39.9
San Juan	179,031	210,683	389,714	↑ 37.0	↑ 41.6	↑ 39.4
San Lorenzo	20,054	20,893	40,947	↑ 36.2	↓ 38.2	↓ 37.2
San Sebastián	20,509	21,583	42,092	↑ 38.0	↑ 41.0	↑ 39.6
Santa Isabel	11,310	12,079	23,389	↓ 33.3	↓ 35.0	↓ 34.2
Toa Alta	36,292	38,813	75,105	↓ 33.5	↓ 35.8	↓ 34.7
Toa Baja	42,011	46,788	88,799	↓ 34.5	↓ 38.2	↓ 36.4
Trujillo Alto	35,359	39,131	74,490	↓ 34.6	↓ 38.6	↓ 36.7
Utuado	16,040	16,736	32,776	↑ 37.3	↑ 39.5	↑ 38.5
Vega Alta	19,185	20,915	40,100	↓ 34.4	↓ 36.8	↓ 35.7
Vega Baja	28,470	30,702	59,172	↓ 35.5	↓ 38.6	↓ 37.1
Vieques	4,641	4,709	9,350	↑ 39.3	↑ 42.3	↑ 40.8
Villalba	12,649	13,118	25,767	↓ 32.6	↓ 35.8	↓ 34.2
Yabucoa	18,328	19,337	37,665	↑ 36.5	↓ 38.3	↑ 37.5
Yauco	20,056	21,430	41,486	↑ 36.8	↑ 40.5	↑ 38.8
Puerto Rico	1,774,151	1,932,539	3,706,690	35.6	39.1	37.4

Source: U.S. Census Bureau, Population Division

Note: Arrows means that the median is lower or higher than the median for Puerto Rico

Grandchildren Under 18 Years Living with a Grandparent Householder by Grandparent Responsibility and Presence of Parent

Municipality	Grandparents			Parent	
	Householder	Responsible for own grandchildren < 18 years	Percent responsible for grandchildren	Present	Percent with at least one present
Aguada	1,660	852	51.3%	745	44.9%
Aguadilla	1,483	623	42.0%	298	20.1%
Aguas Buenas	1,203	347	28.8%	105	8.7%
Aibonito	1,093	599	54.8%	439	40.2%
Añasco	979	377	38.5%	187	19.1%
Arecibo	2,140	1,109	51.8%	724	33.8%
Arroyo	732	491	67.1%	370	50.5%
Barceloneta	671	403	60.1%	202	30.1%
Barranquitas	1,141	763	66.9%	550	48.2%
Bayamón	6,395	3,281	51.3%	2,572	40.2%
Cabo Rojo	1,466	930	63.4%	757	51.6%
Caguas	4,553	2,987	65.6%	2,156	47.4%
Camuy	704	397	56.4%	248	35.2%
Canóvanas	2,235	1,213	54.3%	912	40.8%
Carolina	6,871	2,970	43.2%	2,298	33.4%
Cataño	1,196	613	51.3%	552	46.2%
Cayey	1,711	1,383	80.8%	1,190	69.5%
Ceiba	455	328	72.1%	251	55.2%
Ciales	828	420	50.7%	293	35.4%
Cidra	1,903	1,510	79.3%	1,355	71.2%
Coamo	1,412	794	56.2%	712	50.4%
Comerío	869	309	35.6%	222	25.5%
Corozal	1,506	618	41.0%	435	28.9%
Culebra	29	25	86.2%	13	44.8%
Dorado	1,538	672	43.7%	507	33.0%
Fajardo	1,431	838	58.6%	650	45.4%
Florida	396	258	65.2%	152	38.4%
Guánica	1,005	496	49.4%	406	40.4%
Guayama	1,529	1,010	66.1%	685	44.8%
Guayanilla	929	445	47.9%	399	42.9%
Guaynabo	3,219	1,674	52.0%	1,301	40.4%
Gurabo	1,557	747	48.0%	535	34.4%
Hatillo	1,129	824	73.0%	475	42.1%
Hormigueros	503	254	50.5%	141	28.0%
Humacao	2,237	1,309	58.5%	916	40.9%
Isabela	1,309	650	49.7%	477	36.4%
Jayuya	616	295	47.9%	227	36.9%
Juana Díaz	2,256	1,589	70.4%	1,144	50.7%
Juncos	1,373	701	51.1%	611	44.5%
Lajas	1,243	655	52.7%	390	31.4%
Lares	1,034	479	46.3%	358	34.6%
Las Marías	207	133	64.3%	78	37.7%
Las Piedras	1,314	664	50.5%	472	35.9%

Grandchildren Under 18 Years Living with a Grandparent Householder by Grandparent Responsibility and

Municipality	Grandparents			Parent	
	Householder	Responsible for own grandchildren < 18 years	Percent responsible for grandchildren	Present	Percent with at least one present
Loíza	1,729	656	↓ 37.9%	396	↓ 22.9%
Luquillo	827	478	↓ 57.8%	366	↑ 44.3%
Manatí	1,648	754	↓ 45.8%	548	↓ 33.3%
Maricao	129	53	↓ 41.1%	53	↑ 41.1%
Maunabo	651	310	↓ 47.6%	251	↑ 38.6%
Mayagüez	2,358	1,416	↑ 60.1%	948	↑ 40.2%
Moca	871	455	↓ 52.2%	285	↓ 32.7%
Morovis	1,081	749	↑ 69.3%	563	↑ 52.1%
Naguabo	514	304	↓ 59.1%	164	↓ 31.9%
Naranjito	1,365	432	↓ 31.6%	355	↓ 26.0%
Orocovis	822	463	↓ 56.3%	432	↑ 52.6%
Patillas	642	372	↓ 57.9%	287	↑ 44.7%
Peñuelas	1,202	739	↑ 61.5%	479	↑ 39.9%
Ponce	5,705	2,715	↓ 47.6%	2,112	↑ 37.0%
Quebradillas	1,008	483	↓ 47.9%	328	↓ 32.5%
Rincón	522	172	↓ 33.0%	45	↓ 8.6%
Río Grande	2,183	1,350	↑ 61.8%	975	↑ 44.7%
Sabana Grande	1,189	468	↓ 39.4%	243	↓ 20.4%
Salinas	1,480	951	↑ 64.3%	739	↑ 49.9%
San Germán	1,466	724	↓ 49.4%	567	↑ 38.7%
San Juan	10,244	5,837	↓ 57.0%	4,214	↑ 41.1%
San Lorenzo	1,430	969	↑ 67.8%	829	↑ 58.0%
San Sebastián	1,222	541	↓ 44.3%	444	↑ 36.3%
Santa Isabel	810	408	↓ 50.4%	205	↓ 25.3%
Toa Alta	2,095	793	↓ 37.9%	664	↓ 31.7%
Toa Baja	3,839	1,890	↓ 49.2%	1,327	↑ 34.6%
Trujillo Alto	2,354	1,501	↑ 63.8%	1,141	↑ 48.5%
Utuado	1,474	830	↓ 56.3%	586	↑ 39.8%
Vega Alta	1,480	777	↓ 52.5%	620	↑ 41.9%
Vega Baja	2,888	1,587	↓ 55.0%	1,040	↑ 36.0%
Vieques	721	335	↓ 46.5%	184	↓ 25.5%
Villalba	1,249	781	↑ 62.5%	645	↑ 51.6%
Yabucoa	2,210	1,186	↓ 53.7%	1,070	↑ 48.4%
Yauco	1,856	1,101	↓ 59.3%	904	↑ 48.7%
Puerto Rico	129,324	69,615	53.8%	51519	39.8%

Source: 2006-2010 American Community Survey 5-Year Estimates

Note: Arrows means that the mthis percentage is lower or higher than the percentage of Puerto Rico

Household Composition for Puerto Rico and its Municipalities

Municipality	Households	All Households with one or		Average size	
	Total households	< 18 years	≥ 65 years	Household	Family
Adjuntas	5,241	1,995	1,713	3.71	4.28
Aguada	13,350	4,783	3,600	3.16	3.63
Aguadilla	19,827	6,667	6,484	3.05	3.65
Aguas Buenas	9,084	3,552	2,819	3.16	3.67
Aibonito	8,417	3,171	2,565	3.11	3.61
Añasco	9,215	3,369	2,946	3.17	3.71
Arecibo	31,787	11,117	10,840	3.03	3.52
Arroyo	6,102	2,337	1,914	3.21	3.86
Barceloneta	8,020	3,418	2,234	3.00	3.39
Barranquitas	9,033	4,354	2,380	3.31	3.72
Bayamón	72,259	26,889	23,913	2.86	3.3
Cabo Rojo	15,997	5,215	6,114	3.15	3.87
Caguas	48,008	18,527	14,778	2.97	3.42
Camuy	10,702	3,915	3,145	3.3	3.87
Canóvanas	13,837	5,748	3,797	3.4	3.9
Carolina	61,436	22,188	19,271	2.91	3.44
Cataño	9,486	3,796	2,687	3.02	3.53
Cayey	15,760	5,841	5,017	3.05	3.58
Ceiba	4,649	1,694	1,309	3.12	3.81
Ciales	5,736	2,401	1,791	3.32	3.75
Cidra	13,507	5,686	3,666	3.23	3.6
Coamo	12,692	5,200	3,719	3.17	3.61
Comerío	6,459	2,693	1,909	3.21	3.67
Corozal	10,872	4,325	3,309	3.43	3.92
Culebra	590	161	162	3.29	4.16
Dorado	12,082	4,989	3,353	3.11	3.63
Fajardo	13,003	4,944	4,353	2.88	3.4
Florida	3,967	1,596	1,078	3.2	3.78
Guánica	6,432	2,404	2,280	3.11	3.67
Guayama	14,736	5,968	4,000	3.08	3.59
Guayanilla	6,630	2,769	2,239	3.31	3.63
Guaynabo	34,735	11,566	10,557	2.79	3.34
Gurabo	12,818	5,503	3,301	3.41	3.83
Hatillo	12,821	5,030	3,784	3.25	3.76
Hormigueros	6,197	1,687	2,308	2.76	3.31
Humacao	18,764	6,550	5,845	3.13	3.74
Isabela	14,721	5,037	4,548	3.09	3.66
Jayuya	4,721	1,993	1,288	3.52	3.88
Juana Díaz	15,466	6,748	4,105	3.27	3.77
Juncos	12,141	5,014	3,215	3.25	3.75

Household Composition for Puerto Rico and its Municipalities

Municipality	Households	All Households with one or		Average size	
	Total households	< 18 years	≥ 65 years	Household	Family
Lajas	8,520	2,983	3,204	3.05	3.64
Lares	10,211	4,066	3,219	3.07	3.48
Las Marías	3,509	1,506	882	2.85	3.11
Las Piedras	11,295	4,244	2,866	3.34	3.87
Loíza	9,069	3,928	2,279	3.39	3.95
Luquillo	6,615	2,423	1,933	3.03	3.5
Manatí	15,363	5,509	4,864	2.89	3.42
Maricao	1,650	654	484	3.78	4.6
Maunabo	3,994	1,515	1,321	3.1	3.64
Mayagüez	32,521	9,682	11,382	2.75	3.31
Moca	11,678	4,384	3,076	3.42	3.96
Morovis	9,068	4,238	2,407	3.54	3.79
Naguabo	8,284	3,275	2,381	3.17	3.72
Naranjito	8,244	3,475	2,621	3.68	4.14
Orocovis	6,732	3,092	1,810	3.49	3.96
Patillas	6,499	2,272	2,073	3.01	3.6
Peñuelas	7,234	3,550	1,977	3.44	3.78
Ponce	56,157	21,332	17,308	2.96	3.47
Quebradillas	8,028	2,975	2,462	3.24	3.93
Rincón	5,504	1,791	1,857	2.76	3.35
Río Grande	16,775	6,711	4,893	3.15	3.64
Sabana Grande	8,372	3,010	2,785	3.04	3.51
Salinas	10,161	4,273	3,003	3.08	3.57
San Germán	12,074	3,931	4,461	2.94	3.57
San Juan	150,331	47,580	47,180	2.62	3.3
San Lorenzo	12,982	4,922	3,752	3.18	3.66
San Sebastián	12,668	4,260	4,599	3.39	3.92
Santa Isabel	7,680	3,519	2,071	3.01	3.46
Toa Alta	21,850	10,669	4,871	3.32	3.65
Toa Baja	30,426	11,486	8,472	2.98	3.52
Trujillo Alto	25,108	9,920	6,454	2.97	3.48
Utuado	10,126	3,693	3,584	3.33	3.85
Vega Alta	11,893	4,649	3,643	3.31	3.84
Vega Baja	18,387	7,033	5,824	3.28	3.73
Vieques	3,231	1,110	1,178	2.88	3.82
Villalba	7,512	3,430	2,025	3.52	3.83
Yabucoa	11,908	4,883	3,462	3.21	3.67
Yauco	14,080	5,152	4,461	3.06	3.51
Puerto Rico	1,227,039	457,965	375,460	247	287

Source: 2006-2010 American Community Survey 5-Year Estimates

Household Composition for Puerto Rico and its Municipalities

Municipality	Nonfamily households		
	Householder living alone		
	Total	Householder living alone	65 years and over
Adjuntas	1,118	1,025	379
Aguada	2,843	2,501	1,008
Aguadilla	5,149	4,776	1,987
Aguas Buenas	1,914	1,855	788
Aibonito	1,906	1,746	781
Añasco	2,089	1,871	899
Arecibo	7,545	6,798	3,261
Arroyo	1,682	1,451	674
Barceloneta	1,622	1,427	516
Barranquitas	1,734	1,594	808
Bayamón	17,548	15,206	6,717
Cabo Rojo	4,552	4,030	2,269
Caguas	11,282	9,908	4,243
Camuy	2,337	2,196	1,048
Canóvanas	3,000	2,592	946
Carolina	16,397	14,352	5,289
Cataño	2,235	2,042	951
Cayey	4,205	3,527	1,619
Ceiba	1,359	1,230	537
Ciales	1,073	986	502
Cidra	2,783	2,298	943
Coamo	2,654	2,521	1,128
Comerío	1,234	1,153	611
Corozal	2,222	2,139	947
Culebra	192	155	59
Dorado	2,857	2,552	984
Fajardo	3,619	3,042	1,294
Florida	960	857	336
Guánica	1,580	1,414	654
Guayama	3,639	3,377	1,267
Guayanilla	1,165	1,073	565
Guaynabo	9,661	8,524	3,109
Gurabo	2,463	2,080	609
Hatillo	2,682	2,445	990
Hormigueros	1,664	1,636	815
Humacao	5,206	4,486	1,993
Isabela	3,656	3,321	1,558
Jayuya	854	736	353
Juana Díaz	3,547	3,182	1,169
Juncos	2,954	2,475	925
Lajas	2,159	1,971	739

Household Composition for Puerto Rico and its Municipalities

Municipality	Nonfamily households		
	Householder living alone		
	Total	Householder living alone	65 years and over
Lares	2,056	1,920	992
Las Marías	646	549	169
Las Piedras	2,834	2,402	876
Loíza	2,138	1,923	626
Luquillo	1,679	1,336	462
Manatí	4,124	3,660	1,544
Maricao	451	365	174
Maunabo	1,076	895	359
Mayagüez	10,262	8,474	3,680
Moca	2,408	2,186	854
Morovis	1,300	1,181	462
Naguabo	2,145	1,814	888
Naranjito	1,362	1,291	631
Orocovis	1,438	1,273	542
Patillas	1,761	1,520	683
Peñuelas	1,259	1,062	474
Ponce	14,705	13,051	5,166
Quebradillas	2,044	1,966	839
Rincón	1,578	1,444	674
Río Grande	3,894	3,564	1,489
Sabana Grande	1,922	1,805	794
Salinas	2,502	2,153	1,087
San Germán	3,465	3,100	1,541
San Juan	54,987	46,950	17,798
San Lorenzo	3,122	2,603	904
San Sebastián	2,778	2,554	1,323
Santa Isabel	1,839	1,572	620
Toa Alta	3,696	3,141	1,130
Toa Baja	8,113	7,112	2,642
Trujillo Alto	6,457	5,515	1,813
Utuado	2,342	2,156	1,141
Vega Alta	2,683	2,465	1,083
Vega Baja	3,658	3,325	1,445
Vieques	1,213	1,037	419
Villalba	1,228	1,076	394
Yabucoa	2,585	2,303	938
Yauco	3,060	2,755	1,202
Puerto Rico	314,151	276,048	114,128

Source: 2006-2010 American Community Survey 5-Year Estimates

Lowest and Highest Percentage of Municipalties with Nonfamily householders living alone, Puerto Rico, 2006-2010

Municipality	Nonfamily householders	Householder living alone			
		All		65 years and over	
		N	%	N	%
Culebra	192	155	80.7%	59	30.7%
Maricao	451	365	80.9%	174	38.6%
Las Marías	646	549	85.0%	169	26.2%
Jayuya	854	736	86.2%	353	41.3%
Florida	960	857	89.3%	336	35.0%
Ciales	1,073	986	91.9%	502	46.8%
Maunabo	1,076	895	83.2%	359	33.4%
Adjuntas	1,118	1,025	91.7%	379	33.9%
Guayanilla	1,165	1,073	92.1%	565	48.5%
Vieques	1,213	1,037	85.5%	419	34.5%
Villalba	1,228	1,076	87.6%	394	32.1%
Comerío	1,234	1,153	93.4%	611	49.5%
Peñuelas	1,259	1,062	84.4%	474	37.6%
Morovis	1,300	1,181	90.8%	462	35.5%
Ceiba	1,359	1,230	90.5%	537	39.5%
Naranjito	1,362	1,291	94.8%	631	46.3%
Orocovis	1,438	1,273	88.5%	542	37.7%
Rincón	1,578	1,444	91.5%	674	42.7%
Guánica	1,580	1,414	89.5%	654	41.4%
Barceloneta	1,622	1,427	88.0%	516	31.8%
Hormigueros	1,664	1,636	98.3%	815	49.0%
Luquillo	1,679	1,336	79.6%	462	27.5%
Arroyo	1,682	1,451	86.3%	674	40.1%
Barranquitas	1,734	1,594	91.9%	808	46.6%
Patillas	1,761	1,520	86.3%	683	38.8%
Santa Isabel	1,839	1,572	85.5%	620	33.7%
Aibonito	1,906	1,746	91.6%	781	41.0%
Aguas Buenas	1,914	1,855	96.9%	788	41.2%
Sabana Grande	1,922	1,805	93.9%	794	41.3%
Quebradillas	2,044	1,966	96.2%	839	41.0%
Lares	2,056	1,920	93.4%	992	48.2%
Añasco	2,089	1,871	89.6%	899	43.0%
Loíza	2,138	1,923	89.9%	626	29.3%
Naguabo	2,145	1,814	84.6%	888	41.4%
Lajas	2,159	1,971	91.3%	739	34.2%
Corozal	2,222	2,139	96.3%	947	42.6%
Cataño	2,235	2,042	91.4%	951	42.6%
Camuy	2,337	2,196	94.0%	1,048	44.8%
Utuado	2,342	2,156	92.1%	1,141	48.7%
Moca	2,408	2,186	90.8%	854	35.5%

Lowest and Highest Percentage of Municipalties with Nonfamily householders living alone, Puerto Rico, 2006-2010

Municipality	Nonfamily householders	Householder living alone			
		All		65 years and over	
		N	%	N	%
Gurabo	2,463	2,080	84.4%	609	24.7%
Salinas	2,502	2,153	86.1%	1,087	43.4%
Yabucoa	2,585	2,303	89.1%	938	36.3%
Coamo	2,654	2,521	95.0%	1,128	42.5%
Hatillo	2,682	2,445	91.2%	990	36.9%
Vega Alta	2,683	2,465	91.9%	1,083	40.4%
San Sebastián	2,778	2,554	91.9%	1,323	47.6%
Cidra	2,783	2,298	82.6%	943	33.9%
Las Piedras	2,834	2,402	84.8%	876	30.9%
Aguada	2,843	2,501	88.0%	1,008	35.5%
Dorado	2,857	2,552	89.3%	984	34.4%
Juncos	2,954	2,475	83.8%	925	31.3%
Canóvanas	3,000	2,592	86.4%	946	31.5%
Yauco	3,060	2,755	90.0%	1,202	39.3%
San Lorenzo	3,122	2,603	83.4%	904	29.0%
San Germán	3,465	3,100	89.5%	1,541	44.5%
Juana Díaz	3,547	3,182	89.7%	1,169	33.0%
Fajardo	3,619	3,042	84.1%	1,294	35.8%
Guayama	3,639	3,377	92.8%	1,267	34.8%
Isabela	3,656	3,321	90.8%	1,558	42.6%
Vega Baja	3,658	3,325	90.9%	1,445	39.5%
Toa Alta	3,696	3,141	85.0%	1,130	30.6%
Río Grande	3,894	3,564	91.5%	1,489	38.2%
Manatí	4,124	3,660	88.7%	1,544	37.4%
Cayey	4,205	3,527	83.9%	1,619	38.5%
Cabo Rojo	4,552	4,030	88.5%	2,269	49.8%
Aguadilla	5,149	4,776	92.8%	1,987	38.6%
Humacao	5,206	4,486	86.2%	1,993	38.3%
Trujillo Alto	6,457	5,515	85.4%	1,813	28.1%
Arecibo	7,545	6,798	90.1%	3,261	43.2%
Toa Baja	8,113	7,112	87.7%	2,642	32.6%
Guaynabo	9,661	8,524	88.2%	3,109	32.2%
Mayagüez	10,262	8,474	82.6%	3,680	35.9%
Caguas	11,282	9,908	87.8%	4,243	37.6%
Ponce	14,705	13,051	88.8%	5,166	35.1%
Carolina	16,397	14,352	87.5%	5,289	32.3%
Bayamón	17,548	15,206	86.7%	6,717	38.3%
San Juan	54,987	46,950	85.4%	17,798	32.4%
Puerto Rico	314,151	276,048	87.9%	114,128	36.3%

Source: 2006-2010 American Community Survey 5-Year Estimates

Earnings and Income (in Dollars) by Municipality, Puerto Rico, 2006-2010

Municipality	Individuals with earnings (dollars)			Household income (dollars)	
	Total	Percent (%)	Mean	Median	Mean
Adjuntas	2,629	50.2%	$23,251	$11,983	$17,582
Aguada	7,879	59.0%	$24,705	$14,103	$21,448
Aguadilla	10,196	51.4%	$28,347	$13,956	$22,224
Aguas Buenas	4,757	52.4%	$30,939	$14,751	$21,869
Aibonito	4,558	54.2%	$25,517	$15,487	$23,314
Añasco	5,539	60.1%	$24,504	$15,244	$21,693
Arecibo	17,308	54.4%	$31,475	$16,564	$24,884
Arroyo	3,296	54.0%	$27,879	$14,815	$22,319
Barceloneta	4,391	54.8%	$31,750	$16,124	$23,875
Barranquitas	5,221	57.8%	$24,246	$14,751	$19,859
Bayamón	48,688	67.4%	$36,939	$25,294	$33,832
Cabo Rojo	8,818	55.1%	$31,218	$15,809	$24,937
Caguas	31,629	65.9%	$39,289	$22,951	$33,562
Camuy	5,839	54.6%	$25,448	$14,985	$21,357
Canóvanas	9,188	66.4%	$35,228	$21,934	$30,486
Carolina	43,331	70.5%	$39,319	$28,262	$37,470
Cataño	5,861	61.8%	$34,971	$18,144	$28,386
Cayey	9,877	62.7%	$29,696	$19,040	$26,759
Ceiba	2,922	62.9%	$29,668	$18,461	$24,805
Ciales	3,076	53.6%	$23,287	$13,564	$19,169
Cidra	8,955	66.3%	$34,203	$21,293	$29,965
Coamo	7,121	56.1%	$27,693	$15,028	$23,046
Comerío	3,283	50.8%	$26,144	$12,927	$19,689
Corozal	5,640	51.9%	$29,539	$14,077	$21,424
Culebra	410	69.5%	$32,695	$19,868	$28,690
Dorado	8,268	68.4%	$50,372	$25,473	$43,234
Fajardo	7,986	61.4%	$30,313	$19,803	$27,091
Florida	2,301	58.0%	$24,423	$16,246	$20,937
Guánica	3,111	48.4%	$23,078	$11,870	$17,253
Guayama	8,806	59.8%	$29,297	$17,214	$24,578
Guayanilla	3,652	55.1%	$24,069	$14,243	$20,633
Guaynabo	25,306	72.9%	$59,035	$33,279	$54,721
Gurabo	9,276	72.4%	$43,117	$27,416	$38,186
Hatillo	7,213	56.3%	$26,466	$16,246	$23,135
Hormigueros	3,653	58.9%	$29,750	$19,834	$25,500
Humacao	10,687	57.0%	$33,393	$18,354	$27,335
Isabela	7,339	49.9%	$25,915	$13,028	$19,240
Jayuya	3,002	63.6%	$25,127	$15,556	$22,303
Juana Díaz	9,464	61.2%	$28,696	$16,496	$23,521
Juncos	7,513	61.9%	$32,307	$17,694	$25,970
Lajas	4,142	48.6%	$23,085	$14,500	$19,146

Earnings and Income (in Dollars) by Municipality, Puerto Rico, 2006-2010

Municipality	Individuals with earnings (dollars)			Household income (dollars)	
	Total	Percent (%)	Mean	Median	Mean
Lares	5,604	54.9%	$24,716	$12,199	$19,443
Las Marías	2,299	65.5%	$21,182	$13,847	$18,788
Las Piedras	6,899	61.1%	$31,469	$17,680	$26,082
Loíza	6,295	69.4%	$27,405	$19,460	$24,595
Luquillo	4,426	66.9%	$32,956	$19,672	$29,275
Manatí	9,214	60.0%	$29,010	$16,564	$24,726
Maricao	1,019	61.8%	$17,425	$10,932	$15,294
Maunabo	2,111	52.9%	$25,507	$15,225	$21,103
Mayagüez	18,287	56.2%	$30,861	$14,059	$25,090
Moca	6,320	54.1%	$26,332	$12,841	$20,369
Morovis	4,868	53.7%	$27,025	$13,646	$20,153
Naguabo	4,834	58.4%	$26,600	$15,250	$21,635
Naranjito	4,342	52.7%	$25,590	$14,275	$20,209
Orocovis	3,973	59.0%	$19,450	$13,713	$18,091
Patillas	3,503	53.9%	$22,502	$14,860	$19,562
Peñuelas	4,648	64.3%	$23,402	$14,872	$20,794
Ponce	35,313	62.9%	$30,902	$16,902	$27,095
Quebradillas	3,872	48.2%	$23,006	$11,943	$17,669
Rincón	3,161	57.4%	$25,388	$16,067	$22,855
Río Grande	11,464	68.3%	$32,241	$20,850	$29,492
Sabana Grande	4,467	53.4%	$26,980	$15,497	$22,141
Salinas	5,554	54.7%	$24,216	$13,118	$19,649
San Germán	6,603	54.7%	$25,672	$15,016	$21,991
San Juan	100,016	66.5%	$45,724	$23,478	$40,278
San Lorenzo	8,223	63.3%	$27,980	$17,477	$24,492
San Sebastián	6,281	49.6%	$21,718	$12,115	$18,216
Santa Isabel	4,821	62.8%	$30,792	$17,605	$24,917
Toa Alta	14,769	67.6%	$41,863	$25,133	$34,543
Toa Baja	20,873	68.6%	$33,883	$23,297	$30,440
Trujillo Alto	18,508	73.7%	$45,710	$30,825	$41,743
Utuado	4,915	48.5%	$26,162	$13,509	$20,128
Vega Alta	6,598	55.5%	$35,514	$16,608	$26,538
Vega Baja	9,362	50.9%	$39,549	$16,530	$26,728
Vieques	1,910	59.1%	$22,963	$16,220	$20,245
Villalba	4,965	66.1%	$24,819	$15,455	$22,419
Yabucoa	6,822	57.3%	$24,247	$16,894	$22,022
Yauco	8,273	58.8%	$25,825	$14,314	$21,607

Source: U.S. Census Bureau, 2006-2010 American Community Survey

Labor Participation Rate by Municipality, Puerto Rico 2006-2011

Area or Municipality	Years					
	2011	2010	2009	2008	2007	2006
San Juan-Caguas-Guaynabo MSA	43.4	44.4	43.0	44.9	46.5	47.4
Aguas Buenas	38.5	39.9	37.7	39.0	40.3	41.0
Aibonito	37.2	37.2	36.2	37.4	38.6	39.5
Arecibo	39.5	40.4	38.7	40.3	42.0	43.1
Barceloneta	38.8	40.8	41.2	42.1	43.5	44.5
Barranquitas	33.1	34.2	32.8	33.9	35.0	35.9
Bayamón	45.7	46.3	44.8	47.0	48.5	49.4
Caguas	46.5	47.6	46.1	48.1	49.8	50.7
Camuy	40.7	42.0	39.8	41.7	43.4	44.8
Canóvanas	39.0	40.7	40.1	41.2	42.3	43.1
Carolina	49.9	51.0	49.5	51.7	53.5	54.6
Cataño	38.0	38.5	38.2	39.0	40.4	40.8
Cayey	41.2	41.7	40.8	42.6	43.9	44.8
Ciales	32.6	33.6	33.6	33.8	34.2	35.2
Cidra	41.6	42.5	40.5	42.2	44.0	44.8
Comerio	31.9	33.4	31.5	32.2	32.7	33.5
Corozal	35.4	35.8	33.9	35.5	36.8	37.2
Dorado	43.4	45.3	44.3	46.1	47.7	48.5
Florida	35.3	37.0	34.6	33.9	36.7	38.7
Guaynabo	51.1	52.1	50.7	53.5	55.5	56.6
Gurabo	44.3	46.9	45.9	47.3	49.4	50.1
Hatillo	37.4	38.3	36.8	38.4	39.9	40.9
Humacao	43.0	43.1	42.3	43.6	45.1	46.2
Juncos	41.0	42.4	41.4	42.8	44.3	44.7
Las Piedras	41.1	42.1	40.6	42.2	43.7	44.8
Loíza	33.4	34.9	34.0	35.0	35.9	36.8
Manatí	37.4	38.3	37.1	38.3	39.8	40.8
Maunabo	36.1	36.1	37.1	36.4	38.1	38.0
Morovis	36.2	38.1	37.6	385.0	39.6	40.6
Naguabo	38.5	40.4	40.2	40.4	41.6	41.8
Naranjito	36.0	37.7	36.4	37.2	38.4	39.1
Orocovis	28.8	30.4	28.3	29.1	29.8	30.9
Quebradillas	38.7	39.8	38.3	39.9	41.5	42.3

Labor Participation Rate by Municipality, Puerto Rico 2006-2011

Area or Municipality	Years					
	2011	2010	2009	2008	2007	2006
Rio Grande	39.6	40.5	39.9	41.6	42.7	43.6
San Juan	47.9	48.3	46.7	49.2	50.9	51.8
San Lorenzo	40.7	41.1	40.4	41.6	43.2	43.8
Toa Alta	46.7	48.6	46.7	49.3	51.2	52.3
Toa Baja	46.5	47.2	46.0	48.2	49.7	50.6
Trujillo Alto	50.3	51.6	49.0	52.0	54.0	55.3
Vega Alta	39.3	40.5	39.3	41.3	42.4	43.2
Vega Baja	39.6	40.9	40.4	41.5	43.1	44.1
Yabucoa	35.6	35.8	34.8	35.3	36.9	37.2
Mayaguez MSA	39.7	40.5	39.9	41.5	42.0	42.2
Hormigueros	45.0	46.6	46.2	48.1	48.5	48.7
Mayaguez	38.7	39.3	38.8	40.3	40.8	41.0
Ponce MSA	46.2	46.8	43.7	44.7	45.9	46.8
Juana Diaz	44.4	45.5	42.9	43.5	44.7	45.7
Ponce	47.2	47.6	44.3	45.7	46.8	47.7
Villalba	43.3	44.1	41.3	41.0	42.1	43.3
Aguadilla-Isabela-San Sebastian MSA	44.3	44.9	41.1	42.8	44.0	44.8
Aguada	45.5	46.2	42.5	44.7	46.0	46.6
Aguadilla	43.0	43.7	39.5	41.3	42.7	43.3
Anasco	46.8	48.0	44.1	45.9	47.5	48.0
Isabela	43.1	44.2	40.7	42.2	43.4	45.0
Lares	42.3	41.6	38.7	40.5	41.1	41.8
Moca	46.4	47.2	43.2	45.0	46.3	47.3
Rincón	44.6	45.2	41.1	42.9	44.0	44.6
San Sebastián	43.7	43.8	40.2	41.7	42.6	43.4
Guayama MSA	39.2	40.7	41.5	41.7	41.9	42.3
Arroyo	38.3	39.0	40.1	40.1	40.3	40.8
Guayama	40.5	42.3	42.9	43.3	43.4	44.0
Patillas	37.3	38.7	39.5	39.5	40.0	39.9
Fajardo MSA	47.5	48.5	42.4	44.5	46.8	47.2
Ceiba	45.1	46.3	39.5	41.9	43.9	44.0
Fajardo	48.8	49.8	43.5	45.7	48.1	48.6
Luquillo	46.6	47.8	42.7	44.4	46.7	47.2

Labor Participation Rate by Municipality, Puerto Rico 2006-2011

Area or Municipality	Years					
	2011	2010	2009	2008	2007	2006
San German-Cabo Rojo MSA	44.1	45.2	43.7	45.5	46.5	47.4
Cabo Rojo	47.6	49.3	47.5	49.7	50.7	52.1
Lajas	39.8	40.6	39.7	41.1	41.9	42.6
Sabana Grande	43.1	44.3	42.8	44.8	45.7	46.3
San Germán	42.8	43.6	41.8	43.6	44.5	45.4
Yauco MSA	43.7	43.5	39.6	41.1	41.3	41.7
Guánica	40.1	39.8	35.8	37.1	37.6	37.8
Guayanilla	40.6	40.9	37.7	38.3	38.2	38.9
Peñuelas	44.1	44.4	40.4	41.7	41.8	42.2
Yauco	46.6	46.1	41.8	44.1	44.3	44.5
Coamo MCSA	36.8	36.9	37.2	38.6	38.2	39.6
Coamo	37.2	37.4	38.3	39.7	39.2	39.4
Salinas	36.4	36.2	35.9	37.2	37.0	39.9
Adjuntas	32.4	32.5	36.4	37.0	36.9	39.6
Culebra	52.1	51.3	47.4	50.5	51.5	54.4
Jayuya	32.6	34.8	32.8	33.4	33.4	35.6
Las Marias	57.9	51.6	43.4	45.8	45.2	40.1
Maricao	34.4	36.0	38.8	39.9	37.8	41.2
Santa Isabel	56.2	55.1	54.3	53.5	51.6	55.7
Utuado	32.4	33.1	33.4	34.0	34.5	36.2
Vieques	42.8	43.8	43.5	45.1	46.6	46.3
Puerto Rico	40.5	41.9	44.1	45.1	47	47.9

Fuente: Departamento del Trabajo y Recursos Humanos Negociado de Estadisticas del Trabajo Division de Estudios y Estadisticas Rev. Julio 2012. Programa - Estadisticas de Desempleo por Areas (LAUS)

Employment and Unemployment in Puerto Rico and Municipalities, 2010-2011

Municipality	2010			2011		
	Unemployment rate	Number of unemployed	Number of employed	Unemployment rate	Number of unemployed	Number of employed
Adjuntas	21.2	1038	3874	22.0	1085	3857
Aguada	16.7	2569	12858	16.7	2543	12726
Aguadilla	16.9	3567	17556	16.0	3310	17375
Aguas Buenas	18.9	1685	7219	17.4	1501	7117
Aibonito	19.3	1467	6143	20.6	1573	6057
Anasco	16.8	1868	9280	16.0	1750	9185
Arecibo	16.7	5212	25945	16.1	4911	25579
Arroyo	22.7	1326	4518	23.6	1366	4416
Barceloneta	19.7	1551	6318	18.1	1375	6228
Barranquitas	19.7	1555	6348	19.0	1471	6258
Bayamon	13.9	10753	66568	13.6	10302	65628
Cabo Rojo	13.3	2638	17290	13.2	2580	16902
Caguas	15.6	8365	45309	15.2	7980	44669
Camuy	16.3	1895	9705	15.4	1740	9568
Canovanas	19.6	2913	11976	18.6	2704	11806
Carolina	13.2	9537	62477	12.5	8775	61595
Catano	17.3	1457	6944	17.4	1442	6846
Cayey	17.6	2805	13120	18.2	2886	12935
Ceiba	18.3	905	4042	18.0	863	3942
Ciales	23.7	1165	3744	22.4	1067	3691
Cidra	18.5	2676	11780	18.7	2672	11614
Coamo	22.0	2561	9063	21.9	2578	9195
Comerio	23.7	1280	4118	22.1	1155	4059
Corozal	18.7	1920	8357	19.3	1975	8239
Culebra	11.8	89	662	9.9	76	685
Dorado	13.4	1774	11453	12.3	1578	11291
Fajardo	17.8	2555	11840	17.8	2503	11547
Florida	22.2	802	2808	20.4	709	2769
Guanica	21.1	1284	4793	20.5	1246	4822
Guayama	21.9	3256	11607	20.8	2981	11344

Employment and Unemployment in Puerto Rico and Municipalities, 2010-2011

Municipality	2010			2011		
	Unemployment rate	Number of unemployed	Number of employed	Unemployment rate	Number of unemployed	Number of employed
Guayanilla	20.3	1390	5467	18.7	1265	5500
Guaynabo	10.2	4240	37242	9.9	4013	36716
Gurabo	15.0	2464	13919	14.1	2253	13723
Hatillo	17.8	2261	10412	18.1	2275	10265
Hormigueros	15.4	1002	5521	15.2	963	5382
Humacao	19.5	3900	16128	20.4	4082	15900
Isabela	16.6	2645	13324	16.0	2516	13187
Jayuya	22.0	973	3444	22.2	918	3223
Juana Diaz	17.2	3034	14578	17.1	2953	14372
Juncos	18.2	2380	10699	18.0	2318	10548
Lajas	17.6	1473	6909	17.8	1457	6754
Lares	15.9	1612	8544	17.2	1755	8455
Las Marias	16.0	640	3372	14.2	633	3837
Las Piedras	18.1	2284	10375	18.6	2343	10229
Loiza	20.7	1664	6365	18.5	1425	6275
Luquillo	18.5	1376	6082	19.0	1395	5932
Manati	18.5	2439	10706	17.8	2288	10555
Maricao	22.8	403	1363	23.0	390	1305
Maunabo	23.0	804	2687	24.3	855	2649
Mayaguez	18.3	5269	23587	18.0	5036	22989
Moca	16.4	2403	12223	16.3	2361	12097
Morovis	21.3	2003	7408	19.6	1783	7303
Naguabo	20.6	1703	6566	19.3	1546	6473
Naranjito	19.5	1748	7222	17.7	1530	7120
Orocovis	25.1	1376	4091	22.8	1191	4033
Patillas	24.0	1412	4480	23.1	1318	4378
Penuelas	20.2	1654	6524	18.6	1499	6564
Ponce	15.4	9566	52668	15.1	9208	51923
Quebradillas	17.5	1417	6686	16.8	1332	6591
Rincon	16.7	919	4584	17.2	949	4537

Employment and Unemployment in Puerto Rico and Municipalities, 2010-2011

Municipality	2010			2011		
	Unemployment rate	Number of unemployed	Number of employed	Unemployment rate	Number of unemployed	Number of employed
Rio Grande	16.5	2851	14407	16.5	2808	14204
Sabana Grande	18.0	1581	7190	17.8	1517	7029
Salinas	25.3	2181	6430	25.2	2194	6523
San German	17.5	2178	10275	17.6	2143	10045
San Juan	11.9	18296	136109	11.5	17477	134187
San Lorenzo	17.1	2268	11024	17.9	2368	10868
San Sebastian	17.1	2510	12158	17.7	2582	12033
Santa Isabel	20.2	1886	7648	19.4	1887	8015
Toa Alta	12.9	3539	23839	12.8	3459	23502
Toa Baja	13.7	4547	28673	13.4	4379	28268
Trujillo Alto	11.7	3524	26566	11.1	3248	26191
Utuado	20.2	1749	6902	19.8	1669	6757
Vega Alta	16.0	1988	10471	15.4	1883	10323
Vega Baja	17.1	3244	15729	15.8	2895	15507
Vieques	18.8	601	2615	16.1	511	2675
Villalba	19.9	1743	7011	19.8	1703	6912
Yabucoa	24.0	2549	8077	24.5	2590	7963
Yauco	16.6	2543	12752	16.5	2525	12830
Puerto Rico	15.7	200000	1074000	16.1	209000	1089000

Source: Bureau of Labor Statistics. LAUS Datasets

Poverty Rates for Families and Persons by Municipalities, Puerto Rico 2006-2010

Municipalities	All Families			Married-couple family			Female householder, no husband present, family		
	Total	With related children		Total	With related children		Total	With related children	
		< 18 years	< 5 years only		< 18 years	< 5 years only		< 18 years	< 5 years only
Adjuntas	56.1%	62.8%	68.1%	52.3%	55.3%	51.7%	69.7%	81.4%	87.5%
Aguada	53.4%	62.2%	63.8%	46.2%	52.5%	54.9%	72.1%	80.1%	73.9%
Aguadilla	49.2%	58.0%	55.6%	39.7%	44.7%	35.8%	67.4%	76.9%	87.9%
Aguas Buenas	49.8%	53.1%	49.2%	39.1%	34.5%	20.3%	67.7%	79.9%	94.8%
Aibonito	46.8%	60.8%	63.6%	36.4%	50.5%	52.4%	63.0%	68.8%	67.8%
Añasco	45.4%	52.0%	62.1%	39.6%	42.9%	54.7%	59.6%	68.3%	77.0%
Arecibo	43.5%	49.7%	47.4%	34.2%	34.8%	34.4%	59.8%	68.9%	63.0%
Arroyo	47.5%	51.4%	59.8%	37.4%	33.1%	42.4%	59.7%	65.2%	71.0%
Barceloneta	46.0%	54.4%	49.7%	35.2%	38.2%	32.0%	68.3%	78.9%	78.2%
Barranquitas	54.2%	58.9%	72.8%	45.4%	49.4%	70.3%	68.9%	71.5%	72.5%
Bayamón	29.7%	38.8%	38.3%	19.5%	23.2%	25.1%	47.0%	57.9%	58.5%
Cabo Rojo	45.4%	51.3%	43.8%	37.0%	38.8%	33.8%	65.1%	72.5%	55.6%
Caguas	33.8%	39.8%	39.3%	23.7%	25.2%	24.3%	50.4%	59.5%	61.2%
Camuy	48.2%	55.9%	50.1%	40.4%	45.5%	45.8%	70.0%	78.1%	61.9%
Canóvanas	37.7%	44.2%	28.3%	27.0%	27.2%	13.0%	57.2%	64.7%	45.6%
Carolina	26.9%	37.2%	35.8%	15.9%	19.2%	16.5%	43.6%	55.7%	55.3%
Cataño	44.1%	53.8%	57.6%	23.7%	22.2%	24.7%	66.6%	75.3%	81.9%
Cayey	38.2%	47.9%	55.9%	26.5%	29.0%	30.4%	53.9%	63.1%	90.3%
Ceiba	38.0%	43.0%	51.3%	28.1%	27.6%	46.8%	50.5%	57.9%	60.7%
Ciales	55.9%	65.5%	74.8%	45.4%	53.1%	70.6%	69.6%	76.0%	78.7%
Cidra	37.3%	41.8%	35.5%	28.0%	26.1%	22.1%	51.7%	56.2%	62.4%
Coamo	49.9%	58.7%	51.5%	39.4%	45.8%	34.9%	74.9%	80.5%	92.2%
Comerío	54.3%	60.5%	72.8%	45.8%	47.7%	68.3%	68.0%	76.3%	89.7%

Poverty Rates for Families and Persons by Municipalities, Puerto Rico 2006-2010

Municipalities	All Families			Married-couple family			Female householder, no husband present, family		
	Total	With related children		Total	With related children		Total	With related children	
		< 18 years	< 5 years only		< 18 years	< 5 years only		< 18 years	< 5 years only
Corozal	51.6%	59.8%	61.6%	44.7%	51.3%	64.2%	73.5%	80.2%	53.8%
Culebra	39.2%	55.3%	43.3%	20.3%	20.3%	36.4%	70.2%	83.7%	64.3%
Dorado	29.5%	35.6%	24.3%	17.9%	19.0%	15.0%	52.0%	57.5%	51.8%
Fajardo	39.7%	49.4%	56.0%	25.7%	29.7%	36.7%	54.7%	63.0%	71.1%
Florida	49.8%	60.1%	82.8%	40.6%	45.1%	91.7%	74.7%	87.3%	100.0%
Guánica	59.0%	66.8%	63.0%	48.8%	55.0%	60.1%	82.0%	85.3%	69.4%
Guayama	43.2%	51.2%	56.0%	28.9%	27.8%	30.4%	63.7%	73.9%	75.6%
Guayanilla	52.0%	61.9%	66.5%	40.0%	47.5%	54.0%	71.3%	80.6%	91.9%
Guaynabo	24.6%	33.6%	32.4%	14.8%	17.3%	13.1%	42.9%	55.9%	55.9%
Gurabo	30.6%	33.5%	18.2%	22.8%	20.2%	7.6%	46.9%	52.8%	40.9%
Hatillo	48.6%	54.6%	52.0%	39.1%	41.6%	30.8%	69.3%	76.0%	100.0%
Hormigueros	28.1%	33.3%	23.8%	20.3%	11.4%	0.0%	39.4%	50.4%	20.5%
Humacao	39.8%	51.2%	47.9%	28.6%	35.4%	40.9%	58.8%	69.2%	58.9%
Isabela	54.4%	61.4%	64.4%	46.5%	51.9%	53.5%	72.1%	78.8%	76.5%
Jayuya	49.6%	62.6%	63.8%	43.6%	57.3%	54.1%	62.2%	76.0%	70.8%
Juana Díaz	48.2%	54.2%	50.1%	38.4%	40.8%	30.6%	65.4%	72.1%	87.8%
Juncos	42.1%	48.0%	40.7%	33.4%	34.7%	30.5%	55.6%	59.8%	41.6%
Lajas	52.1%	65.1%	66.0%	43.8%	53.8%	59.0%	69.1%	77.5%	68.4%
Lares	57.6%	64.4%	55.1%	51.0%	52.5%	49.7%	67.2%	75.2%	79.3%
Las Marías	56.1%	69.2%	79.9%	46.5%	55.7%	57.3%	82.7%	90.8%	100.0%
Las Piedras	43.4%	52.0%	46.5%	31.7%	32.8%	32.1%	66.4%	74.7%	62.9%
Loíza	41.6%	47.8%	28.5%	30.8%	31.4%	12.2%	52.1%	59.2%	35.5%
Luquillo	39.4%	55.4%	55.9%	26.9%	32.7%	17.4%	55.1%	74.6%	75.3%

Poverty Rates for Families and Persons by Municipalities, Puerto Rico 2006-2010

Municipalities	All Families			Married-couple family			Female householder, no husband present, family		
	Total	With related children		Total	With related children		Total	With related children	
		< 18 years	< 5 years only		< 18 years	< 5 years only		< 18 years	< 5 years only
Manatí	42.2%	53.2%	51.9%	31.7%	39.0%	41.0%	62.7%	72.0%	63.7%
Maricao	60.6%	71.4%	70.2%	47.8%	65.0%	100.0%	72.1%	74.2%	53.3%
Maunabo	50.8%	60.5%	46.2%	45.1%	53.7%	44.6%	58.7%	70.3%	53.7%
Mayagüez	47.2%	62.0%	68.4%	33.8%	41.0%	59.7%	69.4%	81.7%	78.8%
Moca	53.5%	60.0%	64.5%	45.1%	48.1%	52.4%	71.7%	74.9%	77.0%
Morovis	54.7%	61.2%	50.6%	45.4%	45.4%	31.0%	74.0%	81.6%	100.0%
Naguabo	46.4%	55.2%	54.9%	37.4%	42.3%	31.1%	62.3%	73.1%	81.7%
Naranjito	53.9%	57.1%	56.4%	51.3%	53.7%	52.8%	63.1%	66.9%	58.9%
Orocovis	61.2%	71.1%	71.1%	48.7%	58.1%	27.1%	76.1%	82.2%	96.1%
Patillas	51.9%	62.6%	64.3%	43.4%	51.1%	49.0%	65.5%	79.8%	84.9%
Peñuelas	54.4%	62.7%	59.9%	45.0%	50.3%	48.5%	71.3%	80.6%	85.5%
Ponce	45.0%	56.4%	56.3%	30.5%	35.2%	39.4%	65.6%	76.3%	69.9%
Quebradillas	56.7%	65.0%	72.9%	45.7%	49.3%	51.7%	77.5%	87.2%	100.0%
Rincón	47.8%	58.7%	34.9%	39.1%	42.6%	8.6%	64.7%	77.7%	77.9%
Río Grande	37.2%	47.5%	39.2%	27.6%	33.9%	20.9%	52.7%	62.4%	50.1%
Sabana Grande	47.7%	57.6%	61.4%	38.3%	46.4%	53.7%	64.8%	71.9%	77.8%
Salinas	56.2%	63.3%	73.4%	47.8%	54.9%	63.6%	64.0%	67.3%	71.7%
San Germán	45.8%	59.9%	51.4%	37.7%	48.1%	48.3%	59.0%	70.9%	44.9%
San Juan	34.8%	48.2%	47.6%	17.4%	20.7%	16.1%	54.3%	68.7%	75.7%
San Lorenzo	41.2%	48.1%	43.2%	32.6%	36.6%	27.8%	55.7%	61.5%	56.6%
San Sebastián	55.5%	64.4%	65.4%	48.5%	52.0%	55.6%	72.4%	81.6%	81.2%
Santa Isabel	46.8%	52.6%	38.3%	34.0%	36.3%	12.8%	62.8%	67.8%	65.6%
Toa Alta	37.1%	39.8%	36.2%	27.6%	26.2%	24.9%	56.0%	62.2%	50.9%

Poverty Rates for Families and Persons by Municipalities, Puerto Rico 2006-2010

Municipalities	All Families			Married-couple family			Female householder, no husband present, family		
	Total	With related children		Total	With related children		Total	With related children	
		< 18 years	< 5 years only		< 18 years	< 5 years only		< 18 years	< 5 years only
Toa Baja	33.7%	42.1%	36.6%	25.0%	27.4%	17.2%	47.5%	58.8%	65.5%
Trujillo Alto	27.1%	32.5%	38.0%	16.3%	15.2%	17.6%	45.8%	53.8%	70.2%
Utuado	54.6%	64.9%	61.1%	46.9%	52.4%	57.4%	69.8%	81.0%	69.7%
Vega Alta	46.3%	58.6%	52.1%	33.8%	40.7%	32.5%	66.9%	80.2%	77.7%
Vega Baja	47.1%	52.5%	46.3%	37.6%	39.6%	35.6%	66.1%	72.8%	74.7%
Vieques	43.7%	58.1%	63.8%	33.6%	42.8%	30.2%	63.7%	78.0%	100.0%
Villalba	52.5%	55.8%	54.7%	42.6%	41.7%	34.6%	65.3%	70.9%	88.3%
Yabucoa	47.7%	59.3%	62.3%	36.9%	44.9%	44.7%	66.9%	78.7%	88.9%
Yauco	51.9%	58.2%	51.9%	46.7%	50.9%	40.2%	62.3%	69.5%	81.5%

Source: 2006-2010 American Community Survey 5-Year Estimates

Poverty Rates for Families and Persons by Municipalities, Puerto Rico 2006-2010

Municipalities	All people								People in families	Unrelated individuals ≥ 15 years
	Total	Age groups				Related children				
		< 18 years	≥ 18 years	18 to 64 years	≥ 65 years	< 18 years	< 5 years	5 to 17 years		
Adjuntas	59.3%	68.5%	56.1%	56.1%	55.7%	68.3%	74.7%	66.2%	57.6%	77.6%
Aguada	56.6%	67.4%	53.0%	54.2%	46.2%	66.9%	77.9%	63.5%	54.9%	73.0%
Aguadilla	54.3%	64.4%	51.0%	51.5%	49.0%	64.1%	64.6%	63.9%	52.4%	68.4%
Aguas Buenas	52.4%	56.1%	51.2%	51.3%	50.6%	56.2%	55.6%	56.4%	50.8%	71.6%
Aibonito	52.1%	64.4%	48.0%	48.3%	46.5%	64.4%	70.8%	62.3%	49.8%	73.4%
Añasco	47.3%	56.7%	44.3%	42.7%	51.4%	56.3%	60.5%	55.0%	44.7%	72.3%
Arecibo	47.1%	55.3%	44.5%	43.9%	47.0%	54.9%	52.2%	55.8%	44.7%	65.8%
Arroyo	53.4%	59.2%	51.3%	51.2%	51.5%	59.0%	63.9%	57.3%	50.9%	71.7%
Barceloneta	48.9%	57.7%	45.7%	44.3%	52.0%	57.5%	52.3%	59.2%	46.7%	65.9%
Barranquitas	55.4%	62.5%	52.6%	51.9%	56.5%	61.7%	69.3%	59.1%	53.9%	69.7%
Bayamón	33.1%	44.5%	29.6%	29.1%	31.8%	44.0%	46.5%	43.1%	30.9%	49.0%
Cabo Rojo	48.7%	56.1%	46.4%	45.5%	49.7%	55.9%	59.5%	54.7%	47.2%	59.5%
Caguas	37.0%	45.8%	34.1%	33.1%	38.3%	45.3%	47.7%	44.5%	34.6%	54.1%
Camuy	51.6%	60.6%	48.6%	48.4%	49.4%	60.4%	63.1%	59.6%	49.6%	74.6%
Canóvanas	42.5%	52.6%	38.7%	38.2%	41.1%	52.6%	49.6%	53.6%	40.7%	59.4%
Carolina	29.6%	43.4%	25.3%	25.4%	24.9%	43.0%	46.6%	41.8%	28.3%	38.2%
Cataño	47.0%	61.7%	41.7%	41.1%	44.7%	61.6%	70.7%	58.6%	45.6%	59.5%
Cayey	42.0%	52.9%	38.6%	37.9%	41.7%	52.7%	59.7%	50.4%	39.5%	58.2%
Ceiba	43.1%	52.6%	39.9%	38.1%	47.5%	51.5%	58.7%	49.1%	40.6%	60.4%
Ciales	59.0%	69.9%	54.9%	54.1%	59.1%	69.8%	74.3%	68.3%	57.7%	73.9%
Cidra	41.0%	47.7%	38.7%	37.2%	47.1%	47.1%	51.2%	45.8%	38.7%	59.4%
Coamo	54.2%	61.0%	51.6%	52.0%	49.7%	60.8%	57.5%	62.0%	52.6%	70.3%
Comerío	56.1%	67.2%	52.1%	51.5%	55.2%	67.1%	77.7%	63.5%	54.8%	72.1%

Poverty Rates for Families and Persons by Municipalities, Puerto Rico 2006-2010

Municipalities	All people								People in families	Unrelated individuals ≥ 15 years
	Total	Age groups				Related children				
		< 18 years	≥ 18 years	18 to 64 years	≥ 65 years	< 18 years	< 5 years	5 to 17 years		
Corozal	54.6%	65.6%	50.6%	49.3%	57.2%	65.4%	66.5%	65.0%	53.3%	68.6%
Culebra	40.7%	41.7%	40.4%	42.6%	30.5%	41.7%	36.8%	44.2%	39.3%	48.9%
Dorado	33.4%	41.2%	30.6%	29.1%	38.9%	41.1%	45.3%	39.6%	31.2%	52.5%
Fajardo	42.1%	54.6%	37.8%	38.2%	36.2%	54.5%	60.6%	52.4%	40.6%	50.9%
Florida	51.1%	64.4%	46.2%	45.9%	47.4%	63.9%	78.8%	59.0%	50.1%	59.2%
Guánica	63.7%	71.1%	61.1%	62.1%	57.4%	70.8%	76.1%	69.0%	62.1%	76.9%
Guayama	46.0%	55.2%	42.7%	42.3%	44.9%	54.9%	57.4%	54.1%	43.6%	63.7%
Guayanilla	54.7%	64.8%	51.2%	51.6%	49.7%	64.4%	67.8%	63.3%	53.3%	69.5%
Guaynabo	27.9%	40.1%	24.4%	23.6%	27.8%	39.6%	45.4%	37.7%	26.3%	37.1%
Gurabo	33.5%	37.6%	32.0%	29.8%	44.6%	37.2%	33.5%	38.5%	31.7%	49.4%
Hatillo	49.9%	56.2%	47.8%	47.6%	48.6%	55.9%	54.7%	56.4%	49.3%	57.0%
Hormigueros	31.6%	35.7%	30.4%	29.6%	33.0%	35.7%	29.1%	37.7%	28.3%	55.2%
Humacao	45.2%	58.0%	41.1%	40.2%	45.4%	57.7%	61.2%	56.5%	42.9%	60.5%
Isabela	58.7%	64.0%	57.0%	57.2%	56.2%	63.7%	68.3%	62.2%	57.1%	72.0%
Jayuya	54.5%	66.6%	49.5%	48.9%	53.2%	66.2%	66.1%	66.3%	52.3%	75.4%
Juana Díaz	51.0%	60.0%	47.6%	47.4%	48.8%	59.8%	60.1%	59.7%	49.4%	64.0%
Juncos	47.3%	55.6%	44.3%	43.8%	46.7%	55.0%	52.2%	56.0%	45.2%	61.8%
Lajas	56.8%	65.6%	54.1%	55.5%	48.8%	65.8%	74.0%	63.1%	55.8%	65.0%
Lares	59.9%	68.5%	57.0%	56.6%	59.1%	68.2%	67.0%	68.5%	58.2%	77.0%
Las Marías	59.5%	71.3%	55.4%	55.3%	55.6%	70.5%	72.3%	69.8%	57.9%	73.0%
Las Piedras	47.5%	56.6%	44.4%	43.6%	49.5%	56.2%	55.5%	56.5%	45.2%	63.7%
Loíza	45.0%	53.4%	41.7%	41.0%	46.2%	53.1%	48.2%	54.8%	43.8%	55.2%
Luquillo	44.9%	63.5%	38.4%	38.8%	36.7%	63.1%	72.7%	59.8%	42.7%	59.2%

Poverty Rates for Families and Persons by Municipalities, Puerto Rico 2006-2010

Municipalities	All people								People in families	Unrelated individuals ≥ 15 years
	Total	Age groups				Related children				
		< 18 years	≥ 18 years	18 to 64 years	≥ 65 years	< 18 years	< 5 years	5 to 17 years		
Manatí	49.0%	59.9%	45.2%	43.9%	50.8%	59.5%	64.9%	57.6%	46.1%	68.2%
Maricao	64.7%	79.2%	59.2%	58.4%	63.5%	78.7%	81.2%	77.9%	62.7%	80.4%
Maunabo	56.6%	65.4%	53.7%	53.2%	56.1%	64.3%	65.9%	63.8%	55.0%	67.2%
Mayagüez	52.5%	65.5%	49.0%	51.0%	41.5%	65.2%	70.1%	63.5%	48.2%	73.1%
Moca	55.7%	63.1%	53.1%	52.2%	58.3%	63.0%	66.6%	61.8%	53.9%	75.6%
Morovis	59.4%	68.7%	55.8%	54.9%	60.7%	68.1%	66.7%	68.5%	58.3%	72.2%
Naguabo	52.6%	64.7%	48.2%	48.2%	48.2%	64.4%	74.0%	61.0%	50.1%	70.1%
Naranjito	54.7%	60.5%	52.7%	52.4%	54.1%	60.4%	58.5%	61.1%	53.7%	70.6%
Orocovis	62.4%	75.2%	57.2%	57.7%	54.4%	74.9%	78.9%	73.7%	61.4%	70.4%
Patillas	55.1%	68.6%	50.6%	50.4%	51.5%	68.4%	66.1%	69.0%	53.7%	65.5%
Peñuelas	59.3%	68.4%	55.7%	56.1%	53.4%	68.1%	75.1%	65.6%	57.6%	77.7%
Ponce	49.4%	63.5%	44.6%	45.6%	40.2%	63.3%	69.4%	61.1%	47.5%	62.4%
Quebradillas	59.2%	69.0%	55.9%	56.8%	51.4%	69.0%	77.1%	66.4%	57.9%	72.1%
Rincón	51.6%	62.3%	48.5%	51.0%	39.4%	62.0%	61.4%	62.2%	51.6%	51.8%
Río Grande	42.1%	53.3%	38.1%	37.6%	40.9%	53.2%	56.9%	52.0%	40.0%	57.8%
Sabana Grande	50.5%	60.4%	47.2%	48.0%	43.7%	60.3%	61.9%	59.8%	48.9%	63.6%
Salinas	59.1%	66.4%	56.4%	55.0%	62.9%	66.3%	75.0%	63.3%	57.5%	71.3%
San Germán	49.8%	64.8%	45.2%	45.9%	42.6%	64.7%	66.5%	64.0%	46.7%	69.5%
San Juan	38.4%	55.7%	33.5%	34.3%	30.6%	55.4%	58.6%	54.3%	36.5%	46.0%
San Lorenzo	44.2%	53.5%	41.2%	39.5%	49.4%	53.3%	53.9%	53.1%	41.8%	62.1%
San Sebastián	58.2%	67.8%	55.2%	55.0%	56.1%	67.5%	68.6%	67.1%	56.0%	79.4%
Santa Isabel	49.5%	57.1%	46.3%	47.1%	42.4%	56.8%	51.7%	58.5%	48.3%	58.7%
Toa Alta	40.2%	45.9%	38.0%	36.8%	46.5%	45.7%	49.9%	44.4%	38.8%	55.0%

Poverty Rates for Families and Persons by Municipalities, Puerto Rico 2006-2010

Municipalities	All people								People in families	Unrelated individuals ≥ 15 years
	Total	Age groups				Related children				
		< 18 years	≥ 18 years	18 to 64 years	≥ 65 years	< 18 years	< 5 years	5 to 17 years		
Toa Baja	37.1%	48.0%	33.4%	31.9%	41.0%	47.6%	47.3%	47.8%	35.5%	47.9%
Trujillo Alto	31.3%	39.5%	28.4%	27.5%	33.2%	38.9%	45.1%	36.8%	29.0%	46.7%
Utuado	58.1%	67.7%	54.8%	55.1%	53.7%	67.3%	66.5%	67.6%	56.4%	72.1%
Vega Alta	51.3%	65.6%	46.1%	45.3%	49.9%	65.4%	67.1%	64.8%	49.8%	65.9%
Vega Baja	51.0%	59.9%	47.8%	47.3%	50.3%	59.5%	58.9%	59.8%	49.6%	65.2%
Vieques	47.5%	66.6%	41.4%	42.9%	36.1%	66.3%	75.4%	62.5%	46.8%	51.1%
Villalba	56.2%	62.7%	53.7%	52.7%	59.4%	62.5%	63.5%	62.2%	54.5%	74.8%
Yabucoa	51.5%	66.2%	46.4%	46.7%	44.9%	66.0%	69.3%	64.8%	50.1%	62.9%
Yauco	55.5%	62.5%	53.2%	53.7%	51.1%	62.4%	60.1%	63.2%	54.1%	68.9%

Source: 2006-2010 American Community Survey 5-Year Estimates

Educational Attainment for Municipalities, Puerto Rico 2010-2011

Municipality	Population > 25 years	Less than high school diploma		High school graduate (includes equivalency)	
		Total	Percent (%)	Total	Percent (%)
Adjuntas	12,232	5,086	41.6%	2,956	24.2%
Aguada	27,291	11,491	42.1%	6,814	25.0%
Aguadilla	40,785	15,633	38.3%	10,860	26.6%
Aguas Buenas	18,433	7,313	39.7%	4,657	25.3%
Aibonito	16,714	5,782	34.6%	4,537	27.1%
Añasco	19,214	7,825	40.7%	5,760	30.0%
Arecibo	64,866	22,036	34.0%	17,349	26.7%
Arroyo	12,225	4,473	36.6%	3,282	26.8%
Barceloneta	15,724	5,757	36.6%	4,520	28.7%
Barranquitas	17,805	6,768	38.0%	4,305	24.2%
Bayamón	140,626	35,862	25.5%	30,724	21.8%
Cabo Rojo	34,008	13,046	38.4%	7,910	23.3%
Caguas	93,586	26,009	27.8%	22,913	24.5%
Camuy	22,890	9,275	40.5%	4,932	21.5%
Canóvanas	29,341	8,861	30.2%	9,082	31.0%
Carolina	119,204	26,380	22.1%	29,943	25.1%
Cataño	17,728	6,781	38.3%	4,432	25.0%
Cayey	31,275	11,066	35.4%	8,978	28.7%
Ceiba	9,321	2,875	30.8%	2,262	24.3%
Ciales	11,837	5,181	43.8%	3,190	26.9%
Cidra	27,594	8,727	31.6%	9,088	32.9%
Coamo	24,985	9,010	36.1%	6,785	27.2%
Comerío	12,953	5,539	42.8%	3,433	26.5%
Corozal	23,151	9,175	39.6%	5,815	25.1%
Culebra	1,377	499	36.2%	375	27.2%
Dorado	24,157	6,666	27.6%	6,148	25.5%
Fajardo	24,395	7,147	29.3%	7,269	29.8%
Florida	7,948	2,876	36.2%	2,196	27.6%
Guánica	12,850	5,120	39.8%	3,974	30.9%
Guayama	28,659	8,092	28.2%	8,179	28.5%
Guayanilla	13,898	4,879	35.1%	3,707	26.7%
Guaynabo	67,588	15,071	22.3%	12,577	18.6%
Gurabo	28,212	7,950	28.2%	6,045	21.4%
Hatillo	27,045	10,896	40.3%	5,472	20.2%
Hormigueros	12,009	3,826	31.9%	3,333	27.8%
Humacao	38,308	11,911	31.1%	11,983	31.3%
Isabela	30,098	11,488	38.2%	8,086	26.9%
Jayuya	10,103	3,668	36.3%	3,442	34.1%

Educational Attainment for Municipalities, Puerto Rico 2010-2011

Municipality	Population > 25 years	Less than high school diploma		High school graduate (includes equivalency)	
		Total	Percent (%)	Total	Percent (%)
Juana Díaz	31,212	10,013	32.1%	9,140	29.3%
Juncos	25,164	8,502	33.8%	7,248	28.8%
Lajas	17,283	7,519	43.5%	4,731	27.4%
Lares	20,318	8,942	44.0%	4,898	24.1%
Las Marías	6,427	3,259	50.7%	1,503	23.4%
Las Piedras	24,493	8,423	34.4%	7,263	29.7%
Loíza	18,276	5,752	31.5%	6,254	34.2%
Luquillo	12,920	3,854	29.8%	3,616	28.0%
Manatí	28,686	10,377	36.2%	7,888	27.5%
Maricao	3,850	1,758	45.7%	1,276	33.1%
Maunabo	7,981	3,463	43.4%	2,139	26.8%
Mayagüez	57,513	20,782	36.1%	15,452	26.9%
Moca	25,390	9,742	38.4%	7,317	28.8%
Morovis	19,335	7,995	41.3%	4,782	24.7%
Naguabo	16,573	5,751	34.7%	4,980	30.0%
Naranjito	19,038	7,405	38.9%	5,262	27.6%
Orocovis	14,315	5,961	41.6%	4,371	30.5%
Patillas	12,572	4,491	35.7%	3,696	29.4%
Peñuelas	14,777	5,421	36.7%	4,155	28.1%
Ponce	108,440	33,044	30.5%	28,800	26.6%
Quebradillas	16,674	6,619	39.7%	4,232	25.4%
Rincón	10,384	4,305	41.5%	2,513	24.2%
Río Grande	34,883	10,727	30.8%	8,895	25.5%
Sabana Grande	16,645	5,632	33.8%	4,909	29.5%
Salinas	19,362	7,149	36.9%	5,830	30.1%
San Germán	23,801	8,652	36.4%	6,552	27.5%
San Juan	272,948	71,862	26.3%	54,307	19.9%
San Lorenzo	26,648	10,979	41.2%	6,620	24.8%
San Sebastián	28,474	13,447	47.2%	6,018	21.1%
Santa Isabel	14,002	4,500	32.1%	4,115	29.4%
Toa Alta	44,708	11,539	25.8%	10,612	23.7%
Toa Baja	58,357	16,170	27.7%	15,857	27.2%
Trujillo Alto	48,537	11,659	24.0%	10,595	21.8%
Utuado	21,514	8,466	39.4%	5,322	24.7%
Vega Alta	25,032	10,081	40.3%	5,830	23.3%
Vega Baja	38,572	15,706	40.7%	7,240	18.8%
Vieques	6,103	2,412	39.5%	2,006	32.9%
Villalba	15,712	5,786	36.8%	5,050	32.1%
Yabucoa	24,430	9,264	37.9%	7,063	28.9%
Yauco	27,945	10,751	38.5%	7,511	26.9%

Source: 2006-2010 American Community Survey 5-Year Estimates

Educational Attainment for Municipalities, Puerto Rico 2010-2011

Municipality	Some college or associate's degree		Bachelor's degree		Graduate or professional degree	
	Total	Percent (%)	Total	Percent (%)	Total	Percent (%)
Adjuntas	2,408	19.7%	1,482	12.1%	300	2.5%
Aguada	4,425	16.2%	3,528	12.9%	1,033	3.8%
Aguadilla	6,822	16.7%	5,611	13.8%	1,859	4.6%
Aguas Buenas	3,519	19.1%	2,424	13.2%	520	2.8%
Aibonito	3,255	19.5%	2,625	15.7%	515	3.1%
Añasco	2,634	13.7%	2,442	12.7%	553	2.9%
Arecibo	13,329	20.5%	9,290	14.3%	2,862	4.4%
Arroyo	2,629	21.5%	1,426	11.7%	415	3.4%
Barceloneta	2,889	18.4%	2,076	13.2%	482	3.1%
Barranquitas	3,978	22.3%	2,327	13.1%	427	2.4%
Bayamón	39,224	27.9%	26,151	18.6%	8,665	6.2%
Cabo Rojo	6,535	19.2%	4,944	14.5%	1,573	4.6%
Caguas	20,762	22.2%	17,262	18.4%	6,640	7.1%
Camuy	4,976	21.7%	3,015	13.2%	692	3.0%
Canóvanas	5,954	20.3%	4,328	14.8%	1,116	3.8%
Carolina	31,998	26.8%	23,091	19.4%	7,792	6.5%
Cataño	3,281	18.5%	2,459	13.9%	775	4.4%
Cayey	4,935	15.8%	4,944	15.8%	1,352	4.3%
Ceiba	2,199	23.6%	1,621	17.4%	364	3.9%
Ciales	2,077	17.5%	1,204	10.2%	185	1.6%
Cidra	4,318	15.6%	4,013	14.5%	1,448	5.2%
Coamo	5,092	20.4%	3,033	12.1%	1,065	4.3%
Comerío	2,433	18.8%	1,222	9.4%	326	2.5%
Corozal	4,628	20.0%	2,766	11.9%	767	3.3%
Culebra	302	21.9%	177	12.9%	24	1.7%
Dorado	5,081	21.0%	4,399	18.2%	1,863	7.7%
Fajardo	5,134	21.0%	3,685	15.1%	1,160	4.8%
Florida	1,898	23.9%	714	9.0%	264	3.3%
Guánica	1,943	15.1%	1,459	11.4%	354	2.8%
Guayama	6,520	22.8%	4,707	16.4%	1,161	4.1%
Guayanilla	3,124	22.5%	1,838	13.2%	350	2.5%
Guaynabo	12,908	19.1%	17,365	25.7%	9,667	14.3%
Gurabo	6,357	22.5%	5,447	19.3%	2,413	8.6%
Hatillo	5,631	20.8%	3,881	14.4%	1,165	4.3%
Hormigueros	2,247	18.7%	2,006	16.7%	597	5.0%
Humacao	7,896	20.6%	4,627	12.1%	1,891	4.9%
Isabela	5,716	19.0%	3,671	12.2%	1,137	3.8%
Jayuya	1,313	13.0%	1,161	11.5%	519	5.1%

Educational Attainment for Municipalities, Puerto Rico 2010-2011

Municipality	Some college or associate's degree		Bachelor's degree		Graduate or professional degree	
	Total	Percent (%)	Total	Percent (%)	Total	Percent (%)
Juana Díaz	6,502	20.8%	4,229	13.5%	1,328	4.3%
Juncos	5,098	20.3%	3,356	13.3%	960	3.8%
Lajas	2,646	15.3%	2,085	12.1%	302	1.7%
Lares	3,522	17.3%	2,323	11.4%	633	3.1%
Las Marías	873	13.6%	545	8.5%	247	3.8%
Las Piedras	4,544	18.6%	3,326	13.6%	937	3.8%
Loíza	3,766	20.6%	2,041	11.2%	463	2.5%
Luquillo	2,978	23.0%	1,665	12.9%	807	6.2%
Manatí	5,503	19.2%	3,823	13.3%	1,095	3.8%
Maricao	382	9.9%	347	9.0%	87	2.3%
Maunabo	1,488	18.6%	667	8.4%	224	2.8%
Mayagüez	9,164	15.9%	7,921	13.8%	4,194	7.3%
Moca	4,173	16.4%	3,367	13.3%	791	3.1%
Morovis	4,091	21.2%	2,012	10.4%	455	2.4%
Naguabo	3,200	19.3%	1,956	11.8%	686	4.1%
Naranjito	3,998	21.0%	1,981	10.4%	392	2.1%
Orocovis	2,079	14.5%	1,559	10.9%	345	2.4%
Patillas	2,702	21.5%	1,379	11.0%	304	2.4%
Peñuelas	3,035	20.5%	1,850	12.5%	316	2.1%
Ponce	21,144	19.5%	19,140	17.7%	6,312	5.8%
Quebradillas	3,462	20.8%	1,971	11.8%	390	2.3%
Rincón	1,610	15.5%	1,540	14.8%	416	4.0%
Río Grande	8,552	24.5%	5,400	15.5%	1,309	3.8%
Sabana Grande	3,203	19.2%	2,481	14.9%	420	2.5%
Salinas	3,935	20.3%	2,032	10.5%	416	2.1%
San Germán	3,916	16.5%	3,552	14.9%	1,129	4.7%
San Juan	59,793	21.9%	55,228	20.2%	31,758	11.6%
San Lorenzo	5,112	19.2%	3,095	11.6%	842	3.2%
San Sebastián	4,599	16.2%	3,692	13.0%	718	2.5%
Santa Isabel	2,848	20.3%	2,004	14.3%	535	3.8%
Toa Alta	11,532	25.8%	8,516	19.0%	2,509	5.6%
Toa Baja	15,239	26.1%	8,770	15.0%	2,321	4.0%
Trujillo Alto	10,921	22.5%	11,254	23.2%	4,108	8.5%
Utuado	4,126	19.2%	2,773	12.9%	827	3.8%
Vega Alta	5,159	20.6%	3,173	12.7%	789	3.2%
Vega Baja	8,973	23.3%	4,976	12.9%	1,677	4.3%
Vieques	879	14.4%	621	10.2%	185	3.0%
Villalba	2,413	15.4%	2,187	13.9%	276	1.8%
Yabucoa	4,862	19.9%	2,698	11.0%	543	2.2%
Yauco	5,007	17.9%	3,710	13.3%	966	3.5%

Source: 2006-2010 American Community Survey 5-Year Estimates

Live Births in Mothers Younger Than 20 Years of Age by Municipality of Residence, Puerto Rico 2009-2010

Municipalities	2009		2010	
	Número	%	Número	%
Adjuntas	35	13.6	34	16.8
Aguada	68	14.9	58	14.0
Aguadilla	122	17.6	106	17.6
Aguas Buenas	61	17.9	67	20.1
Aibonito	64	18.5	81	24.4
Añasco	43	13.8	47	15.0
Arecibo	192	18.8	179	18.1
Arroyo	62	21.8	44	18.6
Barceloneta	63	20.8	46	15.6
Barranquitas	92	20.6	83	21.1
Bayamón	374	14.8	367	15.6
Cabo Rojo	86	16.7	72	13.5
Caguas	309	18.1	236	14.4
Camuy	68	16.3	65	18.2
Canóvanas	134	21.0	141	21.0
Carolina	328	16.4	259	13.3
Cataño	104	29.1	80	24.6
Cayey	102	17.5	106	19.6
Ceiba	27	16.4	20	12.6
Ciales	70	25.5	40	16.4
Cidra	108	19.7	94	17.3
Coamo	96	19.8	95	19.6
Comerío	54	20.4	40	17.9
Corozal	98	19.3	96	19.5
Culebra	3	14.3	1	5.0
Dorado	77	15.0	64	14.3
Fajardo	79	16.9	93	20.3
Florida	46	25.6	40	27.2
Guánica	34	15.1	49	21.8
Guayama	110	19.7	96	18.8
Guayanilla	50	18.4	47	17.2
Guaynabo	134	12.9	110	11.2
Gurabo	72	13.9	74	14.9
Hatillo	86	18.7	70	16.4
Hormigueros	22	13.3	23	12.4
Humacao	141	20.2	136	19.8
Isabela	81	16.2	69	14.7
Jayuya	51	21.2	46	20.8
Juana Díaz	127	20.5	117	19.0
Juncos	83	16.8	74	16.6
Lajas	48	16.8	42	15.6

Live Births in Mothers Younger Than 20 Years of Age by Municipality of Residence, Puerto Rico 2009-2010

Municipalities	2009		2010	
	Número	%	Número	%
Lares	72	19.8	58	17.7
Las Marías	27	19.7	26	21.1
Las Piedras	77	15.7	59	12.8
Loíza	83	23.0	69	21.6
Luquillo	47	19.4	44	18.2
Manatí	118	19.6	101	19.9
Maricao	16	25.0	9	20.5
Maunabo	49	25.8	35	24.5
Mayagüez	190	19.8	165	19.1
Moca	65	13.7	67	14.6
Morovis	84	20.2	87	22.3
Naguabo	59	17.9	46	14.4
Naranjito	70	18.2	72	19.2
Orocovis	68	21.7	66	22.0
Patillas	35	17.3	52	24.5
Peñuelas	73	21.9	51	15.0
Ponce	413	18.1	385	18.3
Quebradillas	55	18.0	45	14.9
Rincón	27	14.8	26	20.3
Río Grande	96	15.6	88	14.9
Sabana Grande	58	19.0	49	16.6
Salinas	95	23.4	90	23.9
San Germán	76	18.7	68	17.4
San Juan	823	18.3	704	16.3
San Lorenzo	92	20.4	61	14.2
San Sebastían	84	16.1	81	18.1
Santa Isabel	69	21.8	62	21.3
Toa Alta	118	13.2	103	12.7
Toa Baja	175	16.8	147	14.7
Trujillo Alto	136	14.8	113	13.8
Utuado	115	26.4	88	24.5
Vega Alta	94	19.1	78	16.3
Vega Baja	143	20.4	128	19.4
Vieques	44	34.9	36	27.7
Villalba	71	21.6	53	17.2
Yabucoa	93	20.4	92	22.4
Yauco	84	17.6	92	18.4
Fuera de P.R.	-	-	1	0.9
No esp.			-	-
Total	8,098	18.1	7,204	17.1

Source: Departamento de Salud, Secretaría Auxiliar de Planificación y Desarrollo, División de Análisis Estadístico, San Juan, Puerto Rico. Negociado del Censo de los Estados Unidos (Released 2011)

Preliminary data

Infant Mortality Rate by Gender and Municipality of Residence of the Mother, Puerto Rico 2008

Municipality	Male		Female		Total	
	Total	Rate*	Total	Rate*	Total	Rate*
Adjuntas	-	-	-	-	-	-
Aguada	1	4.4	2	8.3	3	6.4
Aguadilla	3	9.1	3	8.7	6	8.9
Aguas Buenas	2	10.3	-	-	2	5.7
Aibonito	2	11.4	-	-	2	5.3
Añasco	1	7.0	-	-	1	3.2
Arecibo	4	7.4	2	3.9	6	5.7
Arroyo	3	22.1	1	8.1	4	15.4
Barceloneta	-	-	1	6.9	1	3.4
Barranquitas	2	8.3	1	4.7	3	6.6
Bayamón	8	6.0	6	5.0	14	5.5
Cabo Rojo	2	7.3	1	4.0	3	5.8
Caguas	5	5.6	10	11.6	15	8.6
Camuy	-	-	1	5.7	1	2.8
Canóvanas	3	9.2	2	5.8	5	7.4
Carolina	10	9.7	8	8.0	18	8.9
Cataño	3	14.9	2	11.2	5	13.2
Cayey	4	13.5	2	7.1	6	10.3
Ceiba	2	29.4	-	-	2	14.5
Ciales	2	12.6	1	7.5	3	10.2
Cidra	1	3.5	1	3.9	2	3.7
Coamo	3	10.5	-	-	3	5.4
Comerío	1	7.7	1	6.7	2	7.2
Corozal	2	8.2	1	3.9	3	6.0
Culebra	-	-	1	90.9	1	66.7
Dorado	3	11.8	-	-	3	6.1
Fajardo	8	32.3	4	16.3	12	24.3
Florida	-	-	-	-	-	-
Guánica	9	63.8	-	-	9	34.5
Guayama	3	10.1	-	-	3	5.2
Guayanilla	-	-	-	-	-	-
Guaynabo	6	10.0	9	17.6	15	13.5
Gurabo	4	14.8	-	-	4	7.6
Hatillo	2	8.1	1	4.9	3	6.6
Hormigueros	3	46.2	-	-	3	18.8
Humacao	1	2.6	3	7.9	4	5.2
Isabela	-	-	1	4.3	1	2.1
Jayuya	2	16.9	1	7.4	3	11.9
Juana Díaz	4	12.0	3	10.1	7	11.1
Juncos	2	8.0	-	-	2	4.0
Lajas	1	6.5	1	7.4	2	6.9
Lares	-	-	-	-	-	-
Las Marías	-	-	-	-	-	-
Las Piedras	3	11.1	3	13.0	6	12.0
Loíza	-	-	2	11.0	2	5.5

Infant Mortality Rate by Gender and Municipality of Residence of the Mother, Puerto Rico 2008

Municipality	Male		Female		Total	
	Total	Rate*	Total	Rate*	Total	Rate*
Luquillo	2	15.3	3	22.2	5	18.8
Manatí	4	13.3	1	3.6	5	8.7
Maricao	1	20.0	-	-	1	12.3
Maunabo	-	-	1	13.7	1	7.1
Mayagüez	7	14.9	6	13.3	13	14.1
Moca	3	11.9	3	12.9	6	12.3
Morovis	-	-	1	4.4	1	2.2
Naguabo	-	-	3	16.7	3	8.0
Naranjito	4	19.9	2	8.7	6	14.0
Orocovis	2	12.1	1	6.9	3	9.7
Patillas	1	6.5	1	8.6	2	7.4
Peñuelas	2	9.9	2	10.4	4	10.1
Ponce	9	8.2	14	12.4	23	10.3
Quebradillas	1	5.5	1	6.1	2	5.8
Rincón	3	31.9	2	25.3	5	28.9
Río Grande	4	10.9	2	6.1	6	8.7
Sábana Grande	-	-	4	24.5	4	12.1
Salinas	3	16.3	2	9.3	5	12.5
San Germán	3	14.4	2	9.2	5	11.7
San Juan	27	11.7	21	9.6	48	10.7
San Lorenzo	3	12.3	2	9.5	5	11.0
San Sebastián	1	3.5	2	7.7	3	5.5
Santa Isabel	2	10.8	-	-	2	6.0
Toa Alta	4	9.7	1	2.3	5	5.9
Toa Baja	5	8.2	10	18.8	15	13.2
Trujillo Alto	6	13.5	2	5.0	8	9.5
Utuado	-	-	-	-	-	-
Vega Alta	3	11.3	1	4.3	4	8.0
Vega Baja	2	4.7	3	8.0	5	6.2
Vieques	-	-	-	-	-	-
Villalba	1	5.2	1	5.5	2	5.4
Yabucoa	1	3.9	1	4.2	2	4.0
Yauco	2	8.8	3	12.6	5	10.7
Fuera de P.R.	4	-	2	-	6	-
Total	225	4.9	175	3.8	400	8.8

*Rate per 1,000 live births

Source: Departamento de Salud, Secretaría Auxiliar de Planificación y Desarrollo, División de Análisis Estadístico, San Juan, Puerto Rico.

Preliminary data