

***Experiences, Challenges and Opportunities
to Improve the Breast and Cervical Cancer
Program in Puerto Rico:
The Role of UPR Comprehensive Cancer Center***

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UPRCCC

Women's Cancers in the English Caribbean

PAHO

Miami, FL

May 11-12, 2016

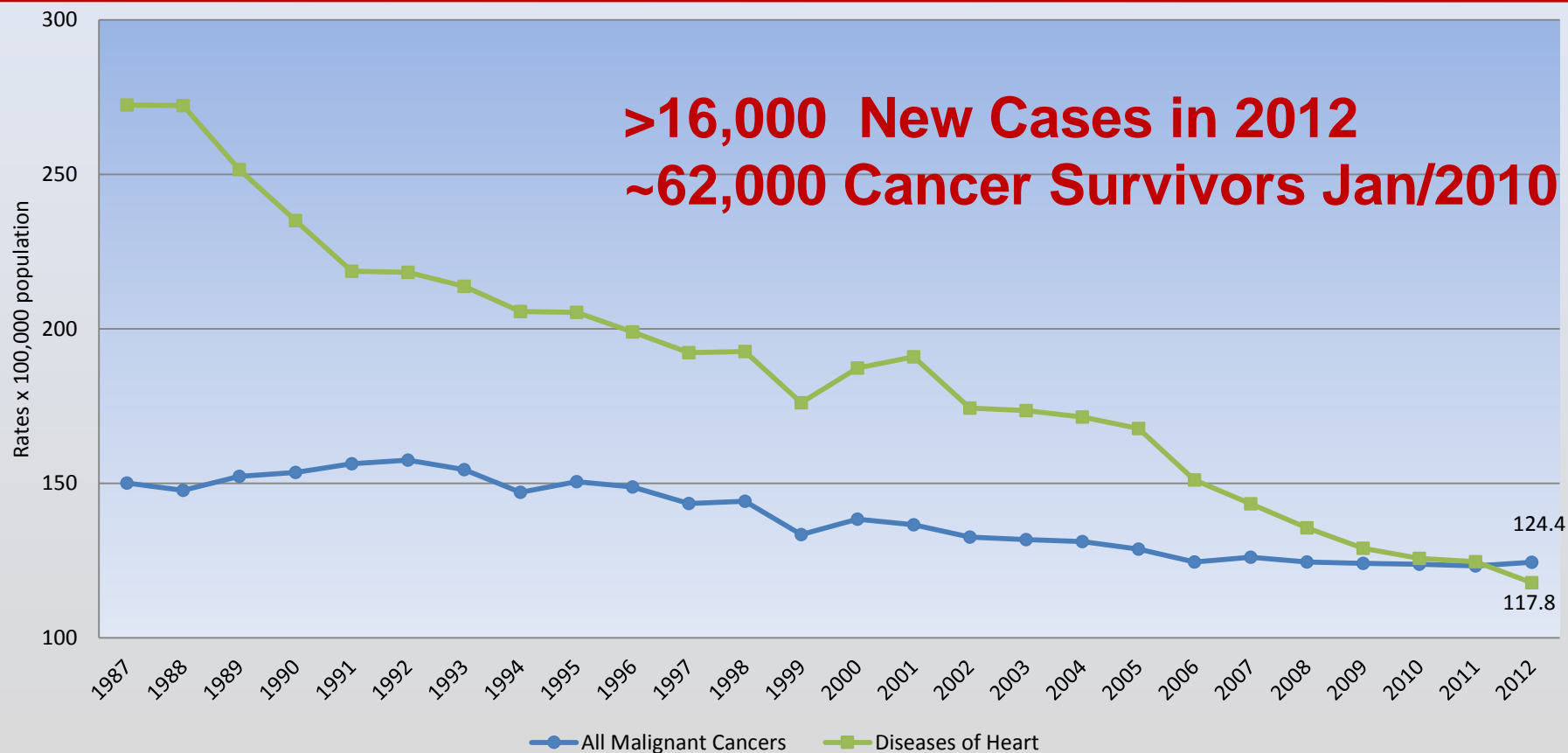


CANCER BURDEN IN PUERTO RICO

Burden of Cancer Puerto Rico, 2013

- Cancer **1st** leading cause of death
- Accounts for approximately **25%** of all deaths
- Estimates **2013**:
 - **15,686** new cases
 - **5,217** deaths

Age Adjusted* Mortality Rates for All Malignant Cancers and Diseases of the Heart Puerto Rico, 1987-2012

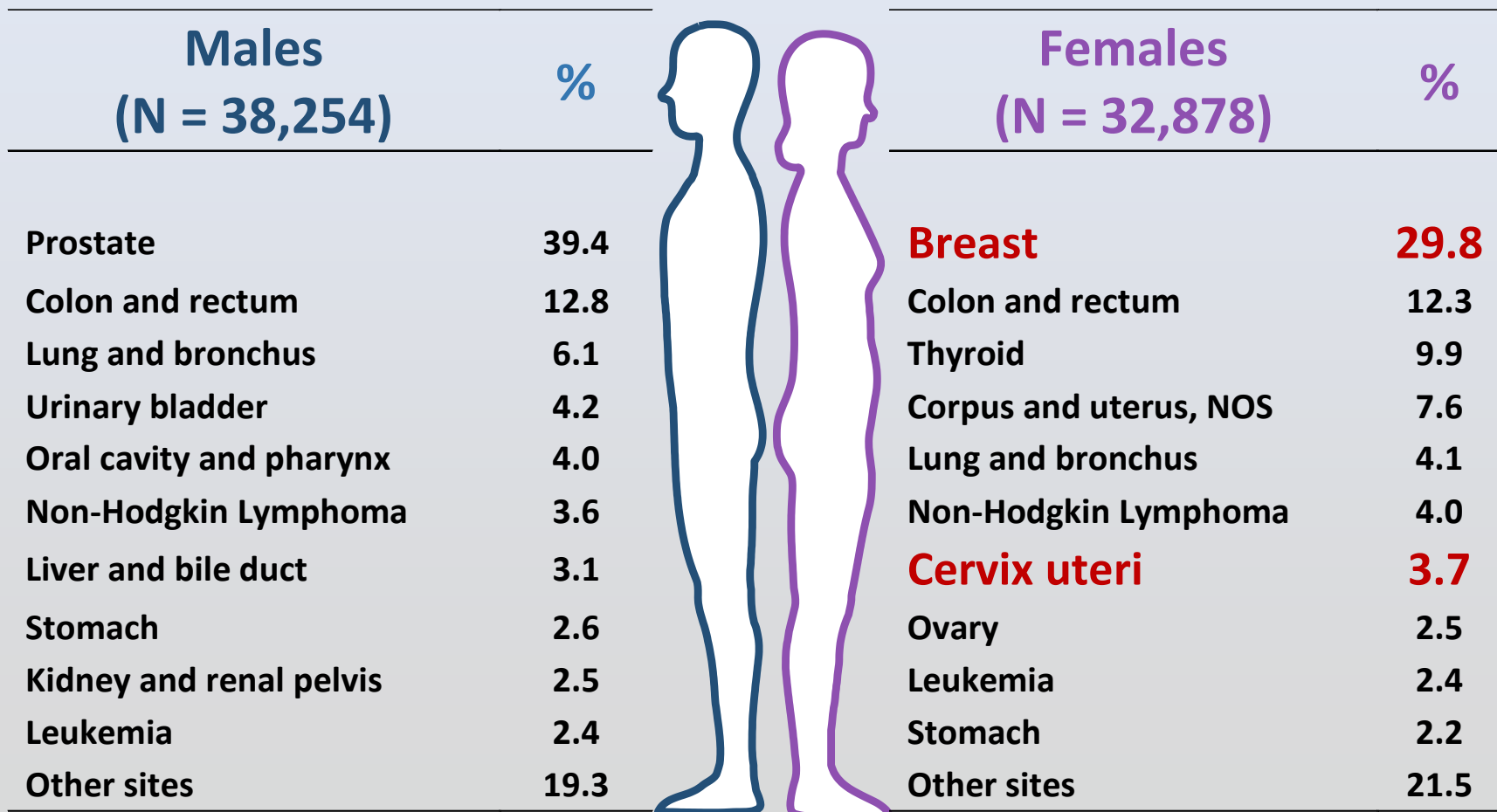


*Rates are per 100,000 and age-adjusted to the 2000 US Std Population (19 age groups – Census P25-1130) standard.

Data Source: Mortality Case File provided by the Demographic Registry of Puerto Rico (November 5, 2014).

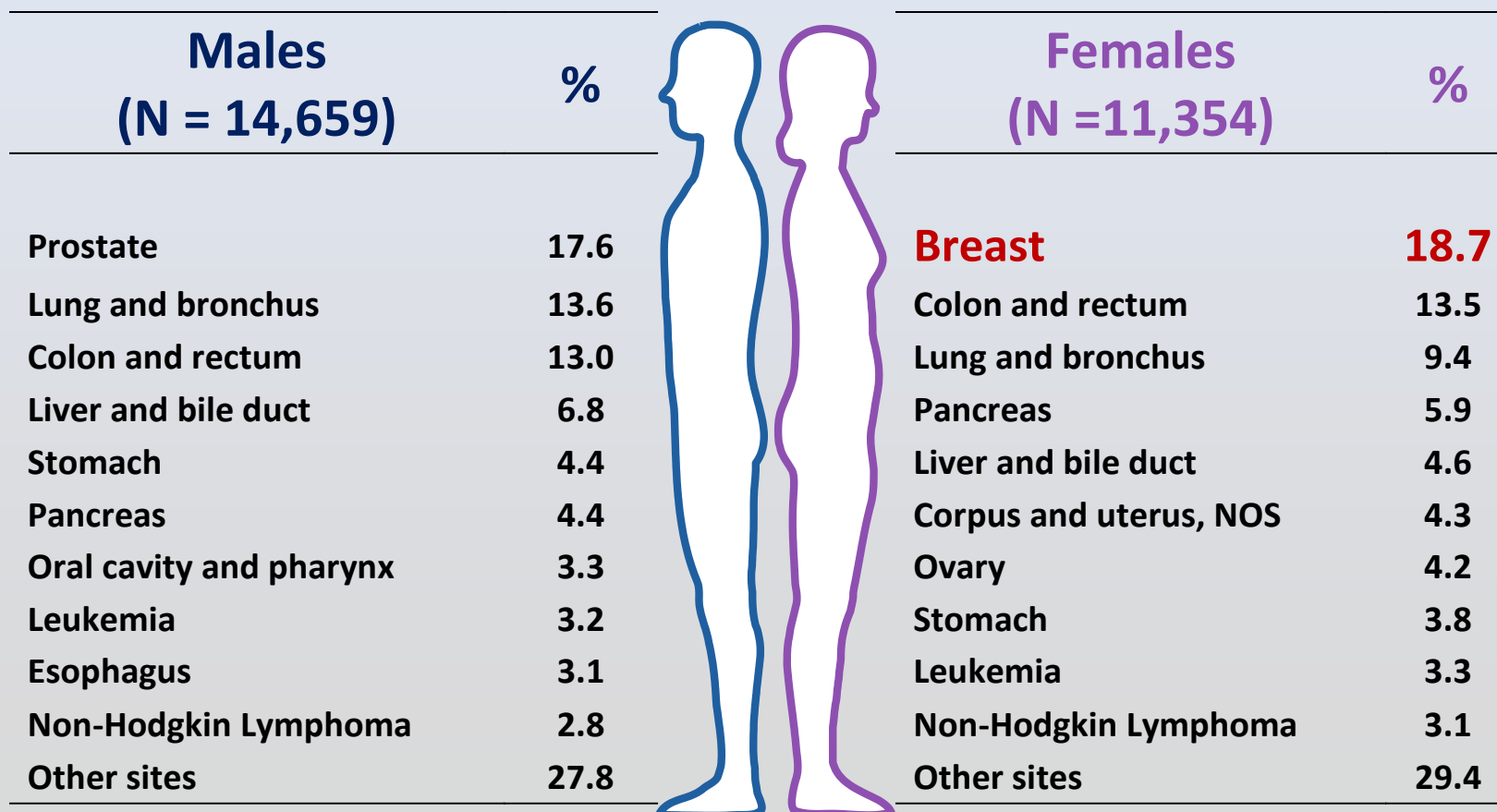
Population Source: Vintage 2012 estimates series from the Population Division of the United States Census Bureau.

Top Ten Incidence Cancer Sites In Puerto Rico, 2008-2012

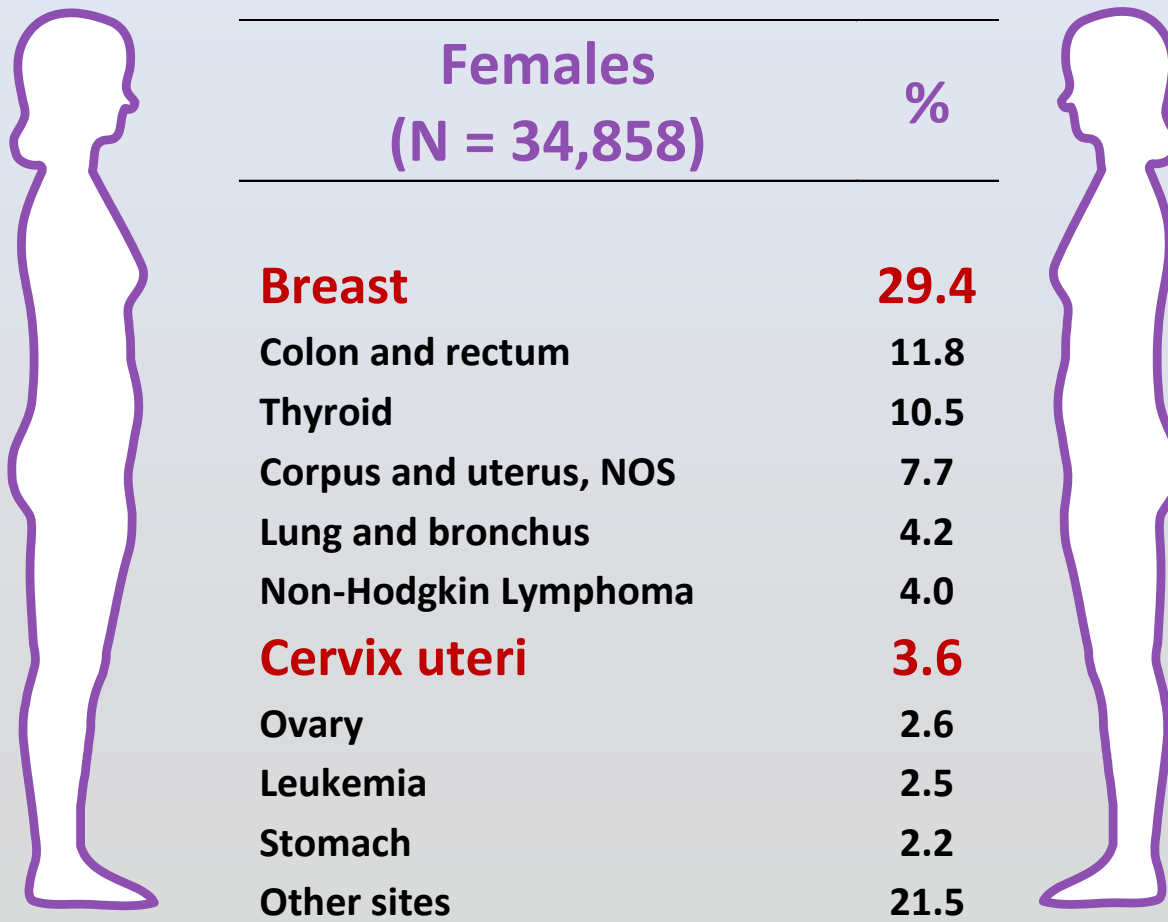


Zavala-Zegarra D, Tortolero-Luna G, Torres-Cintrón CR, Alvarado-Ortiz M, Román-Ruiz Y, Vázquez-Cubano N, Ojeda-Reyes G, Hayes-Vélez FJ, Ortiz-Ortiz KJ, (2015). Cáncer en Puerto Rico, 2008-2012. Registro Central de Cáncer de Puerto Rico. San Juan, PR.

Top Ten Mortality Cancer Sites in Puerto Rico, 2008-2012



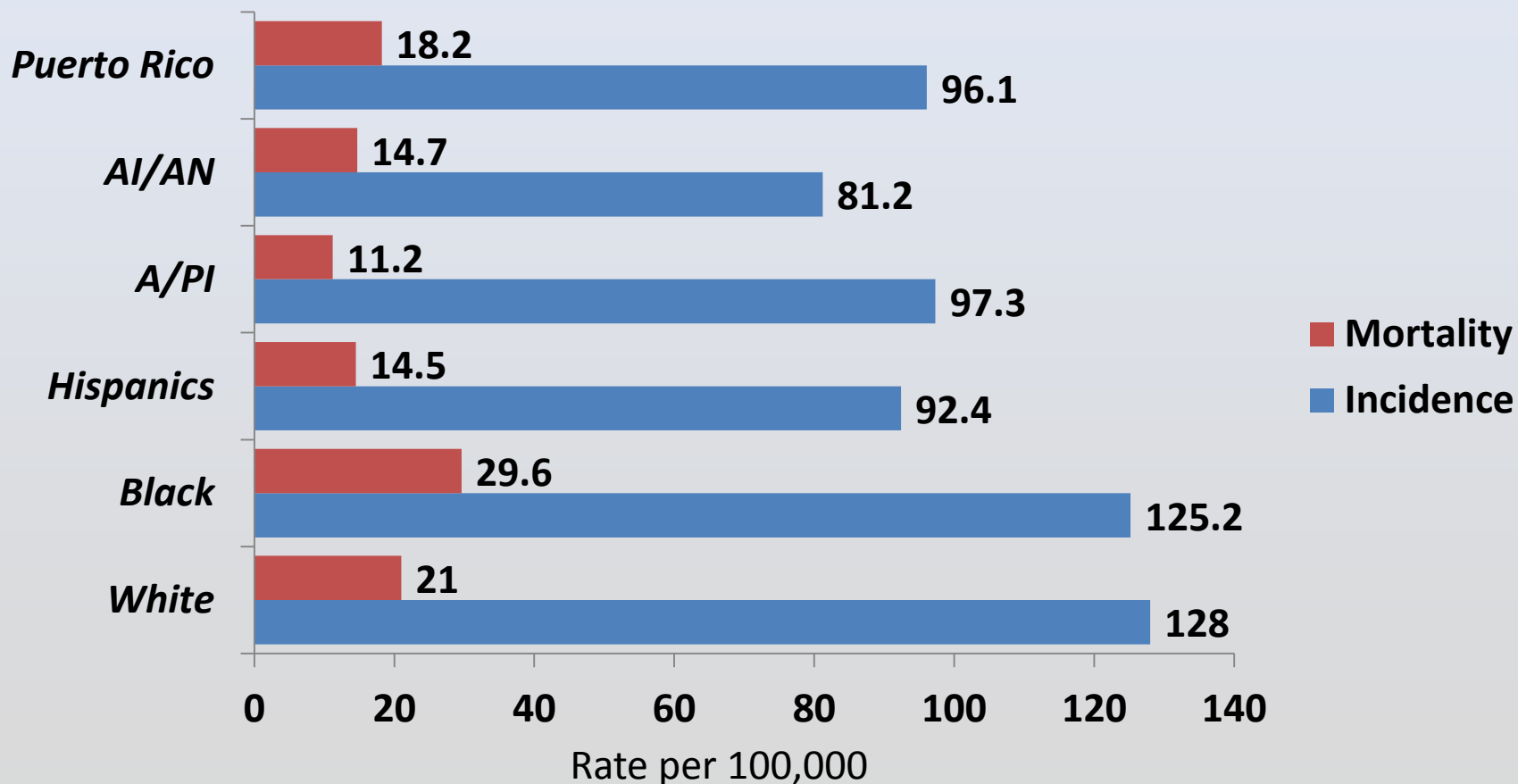
Top Ten Incidence Cancer Sites In Puerto Rico, 2009-2013



Breast Cancer

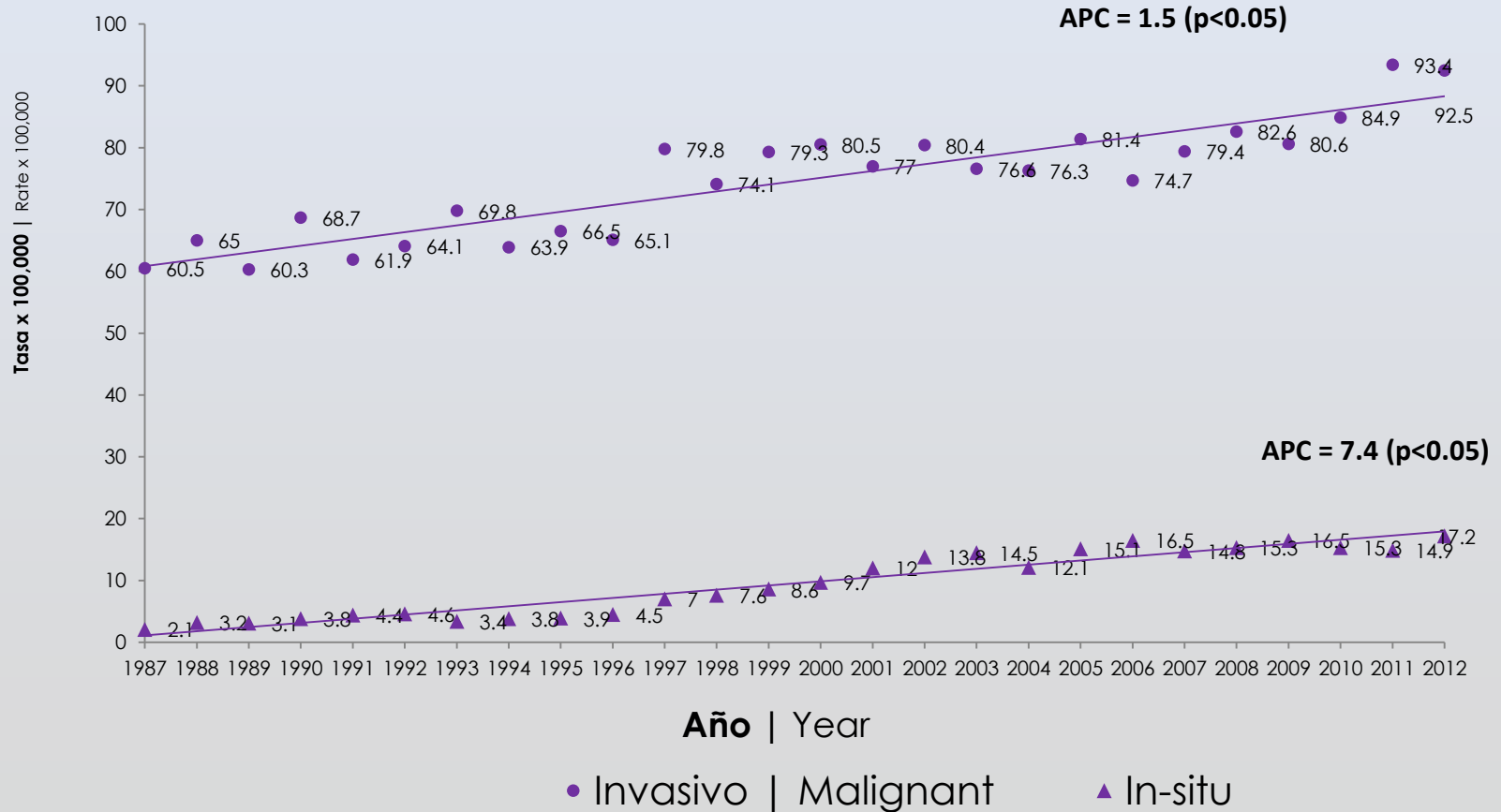
- An average of **2,048** women were diagnosed with invasive breast cancer each year between 2009 and 2013.
- An average of **424** women died from breast cancer each year between 2009 and 2013.

Age-Adjusted* Incidence Rate of Breast Cancer in Puerto Rico and U.S. by Race/Ethnicity: 2009-2013

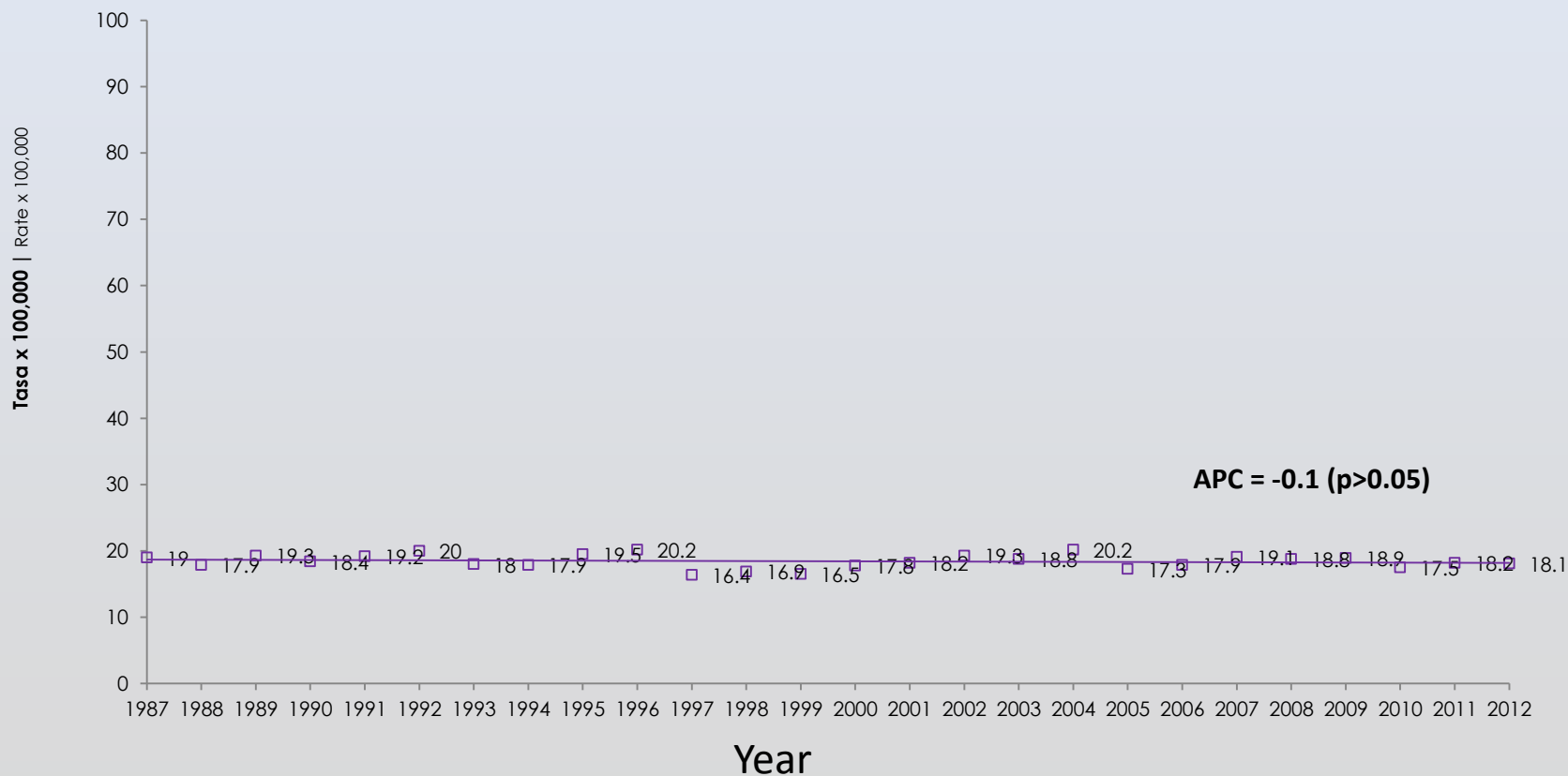


Rate Adjusted to the 2000 U.S. Std. Pop

AGE-ADJUSTED INCIDENCE RATES OF INVASIVE AND IN-SITU FEMALE BREAST CANCER: PUERTO RICO, 1987-2012 (2000 US STD. POP.)

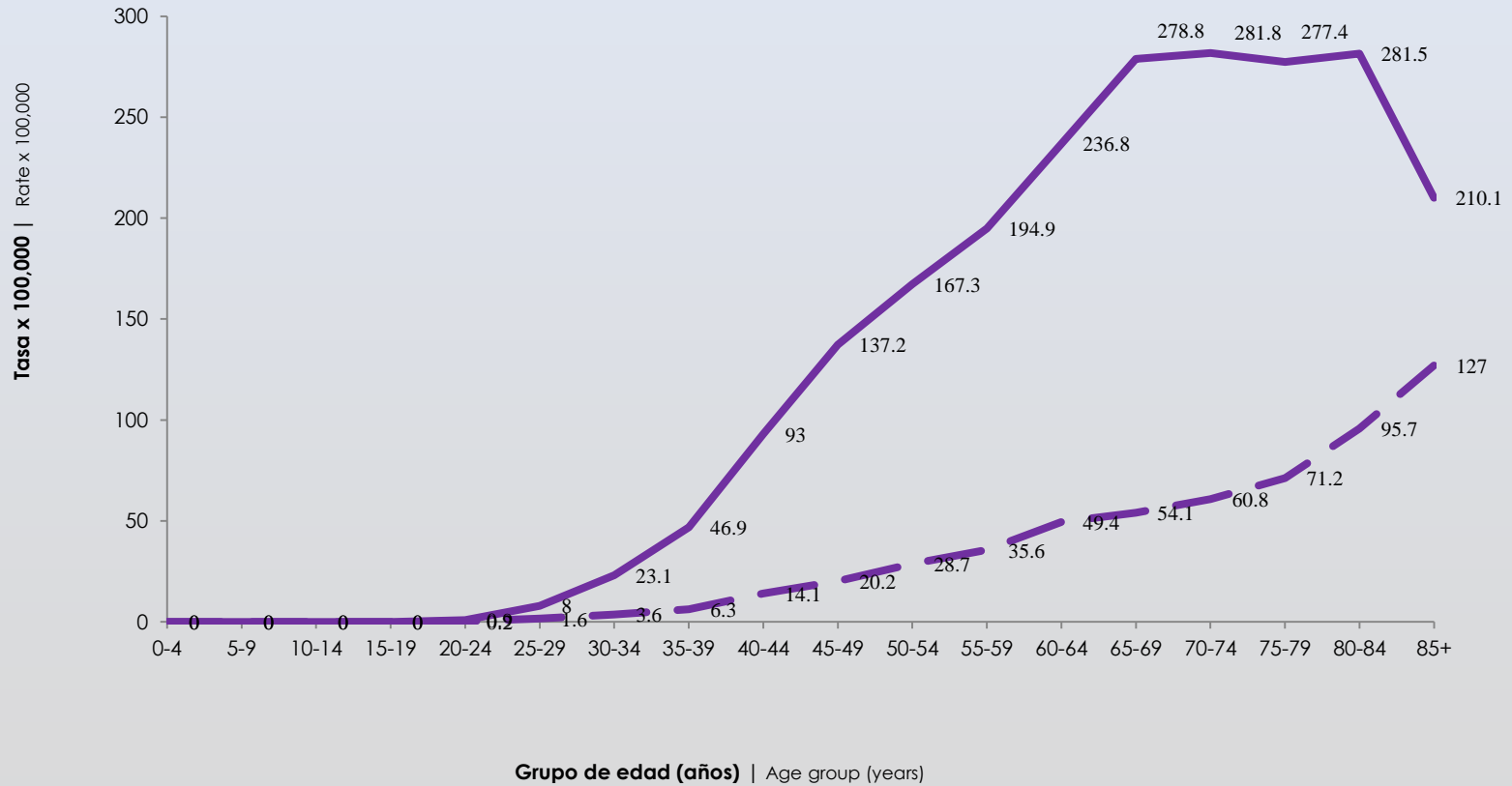


AGE-ADJUSTED MORTALITY RATES OF INVASIVE FEMALE BREAST CANCER: PUERTO RICO, 1987-2012



(2000 US STD. POP.)

AGE-SPECIFIC INCIDENCE AND MORTALITY RATES OF INVASIVE FEMALE BREAST CANCER: PUERTO RICO, 2008-2012



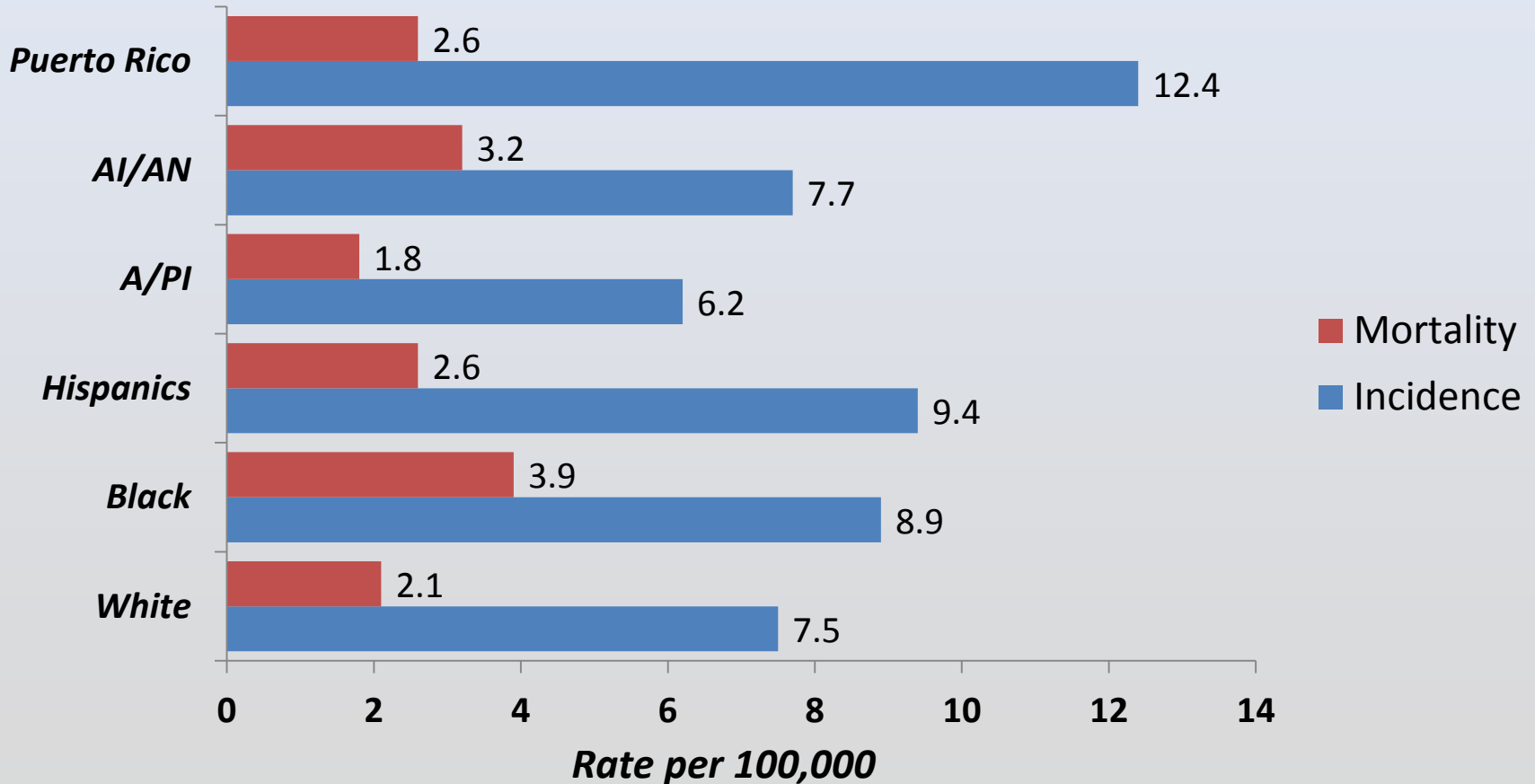
— Incidencia | Incidence

— Mortalidad | Mortality

Cervical Cancer

- An average of **249** women were diagnosed with invasive cervix uteri cancer each year during the period 2009-2013.
- An average of **56** women died from cervix uteri cancer each year during the period 2009-2013.

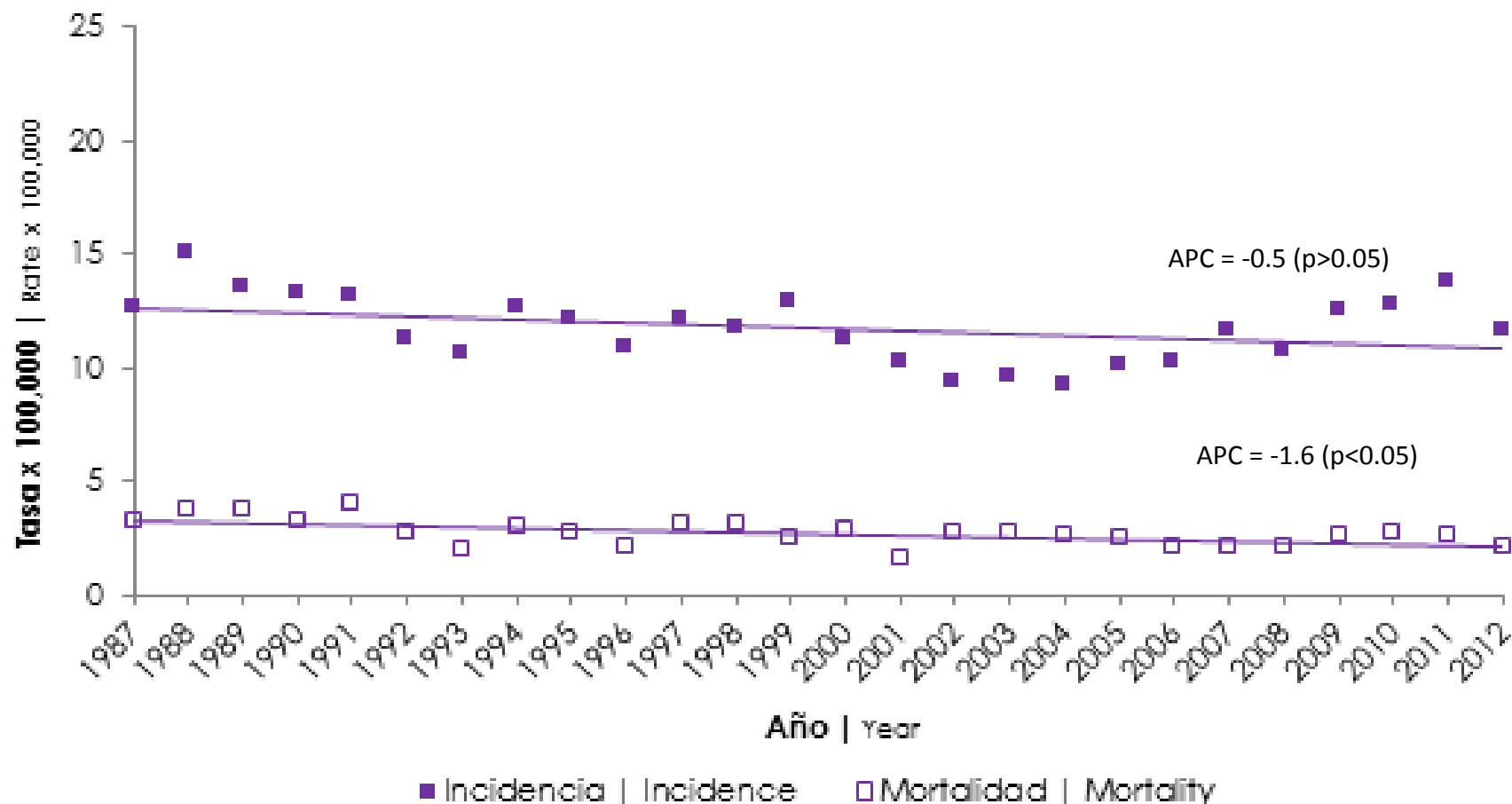
Age-Adjusted* Incidence Rate of Cervical Cancer in Puerto Rico and U.S. by Race/Ethnicity: 2009-2013



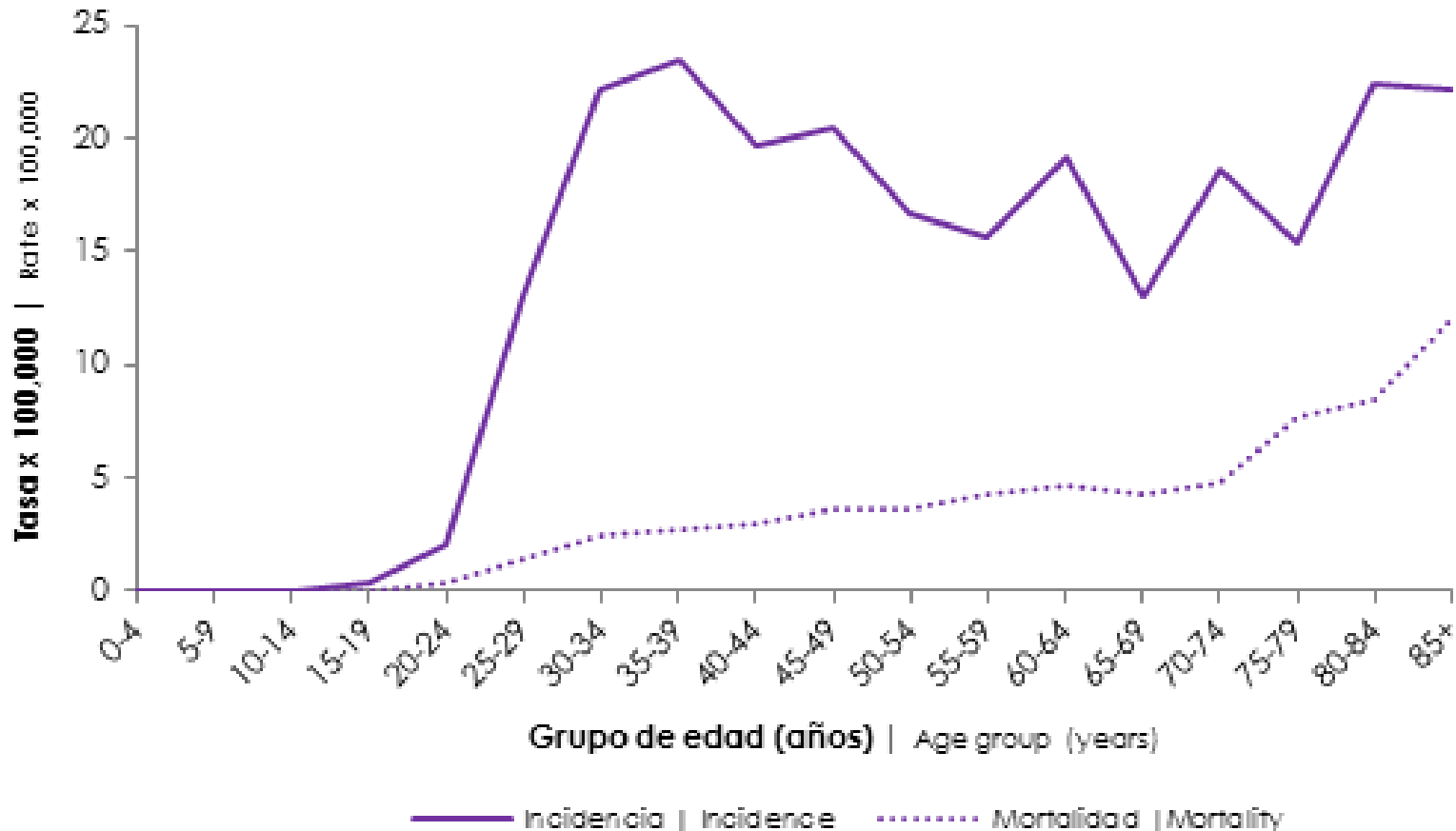
Rate Adjusted to the 2000 U.S. Std. Pop

AGE-ADJUSTED INCIDENCE AND MORTALITY RATES

OF CERVIX UTERI CANCER: PUERTO RICO, 1987-2012 (2000 US STD. POP.)

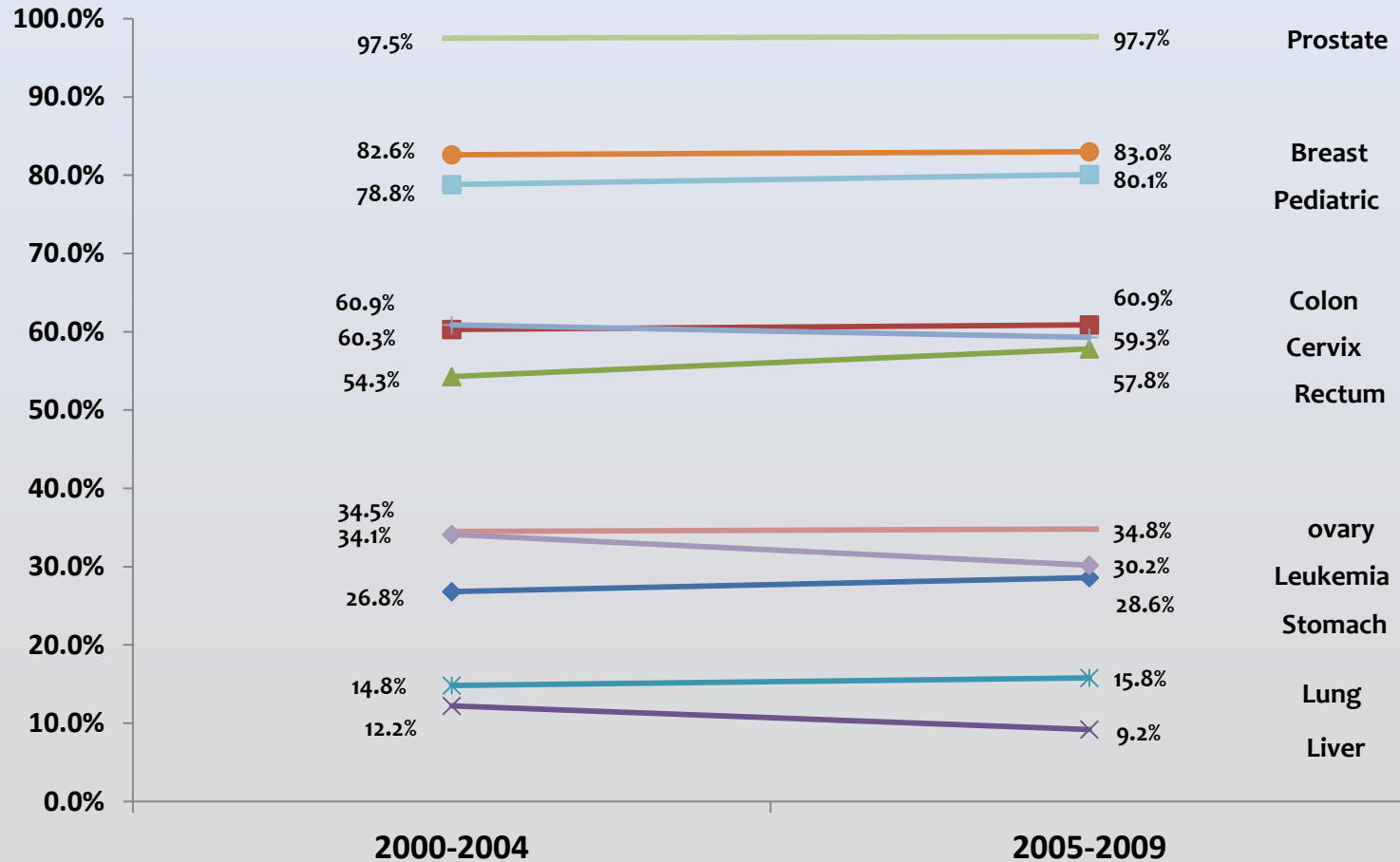


AGE-SPECIFIC INCIDENCE AND MORTALITY RATES OF CERVIX UTERI CANCER: PUERTO RICO, 2008-2012 (2000 US STD. POP.)



CONCORD STUDY

Net Survival– Puerto Rico

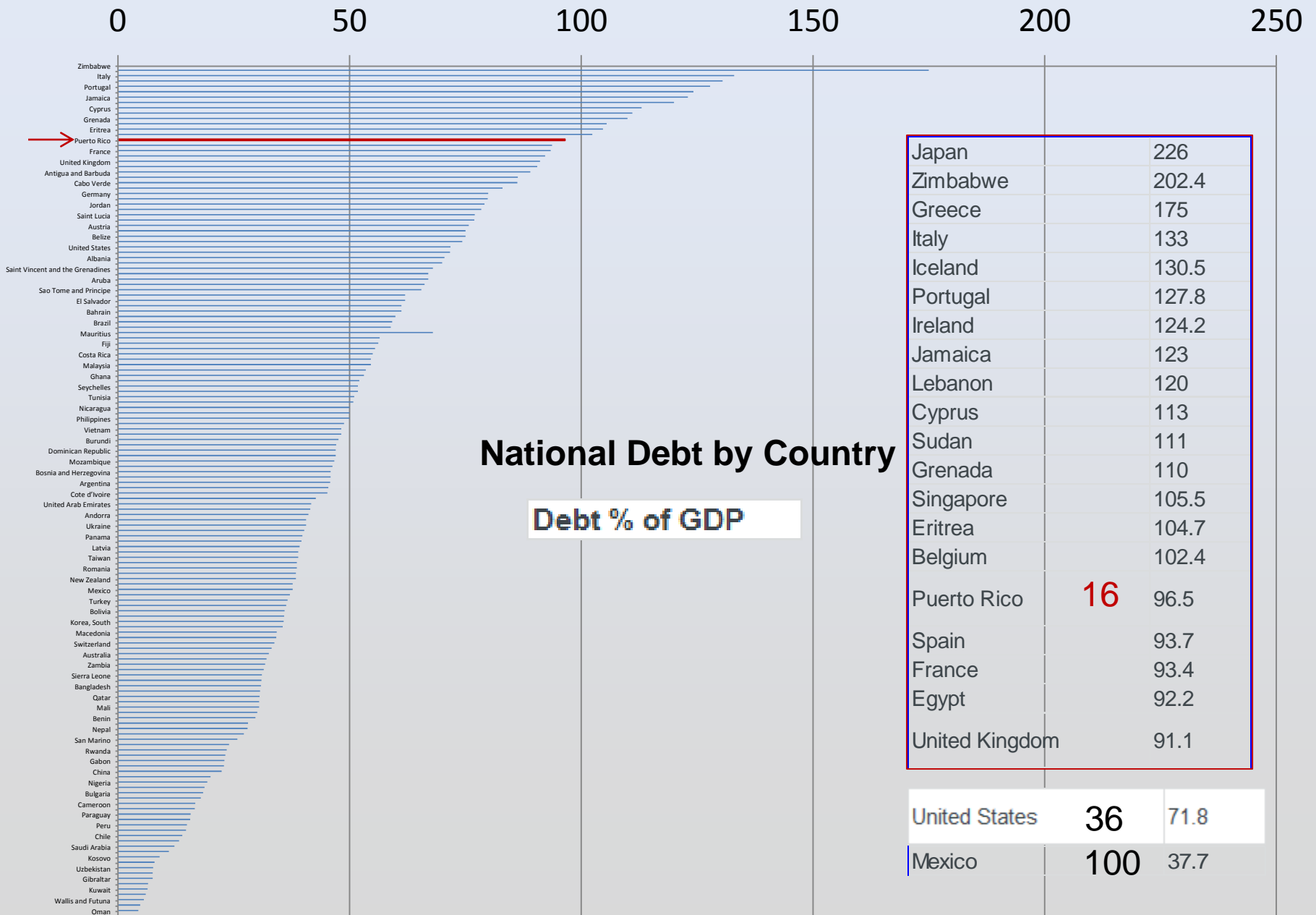


Source: [The Lancet](https://doi.org/10.1016/S0140-6736(14)62038-9) (DOI:10.1016/S0140-6736(14)62038-9)

[Terms and Conditions](#)



CHALLENGES

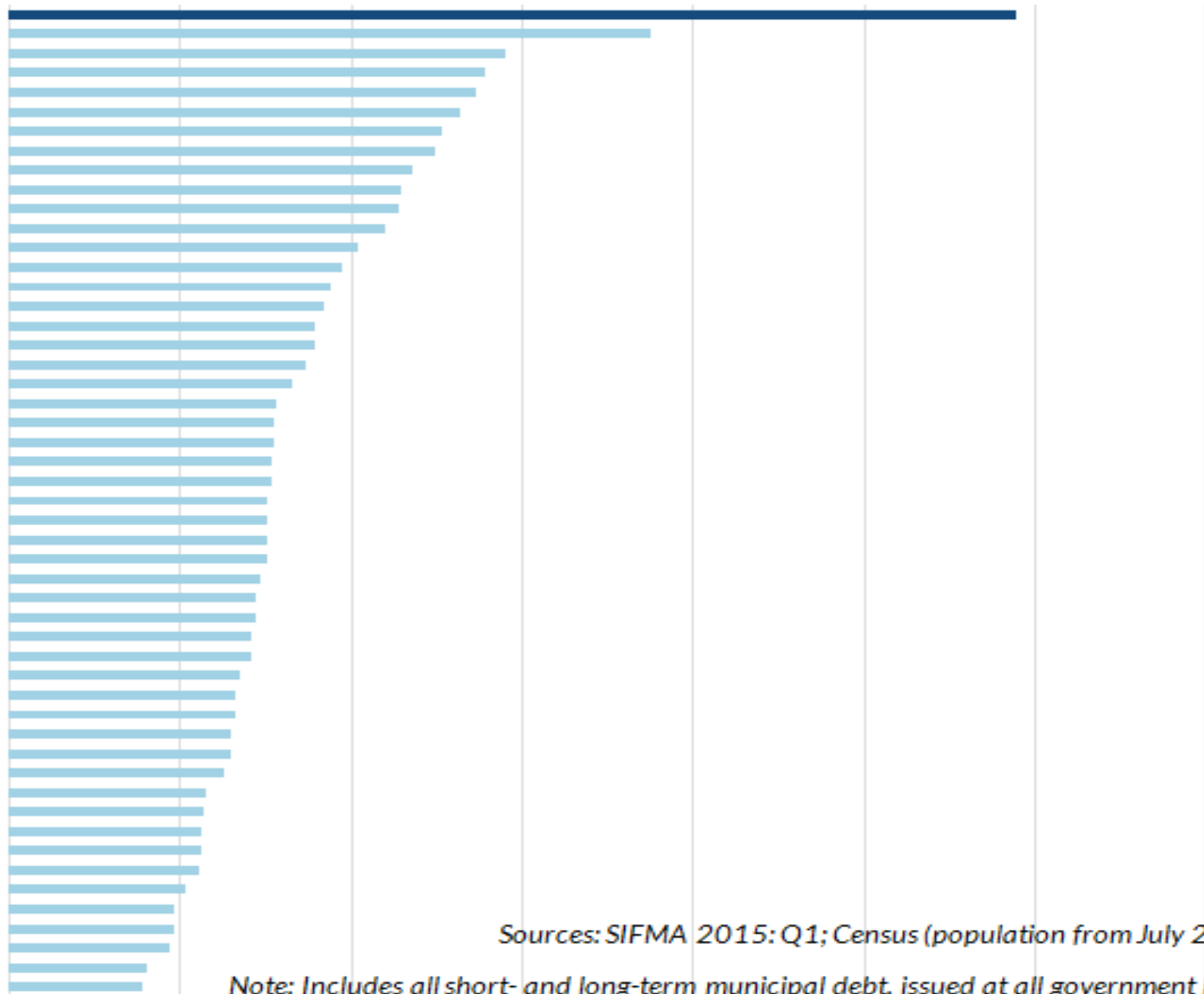




Total Municipal Debt Outstanding Per Capita

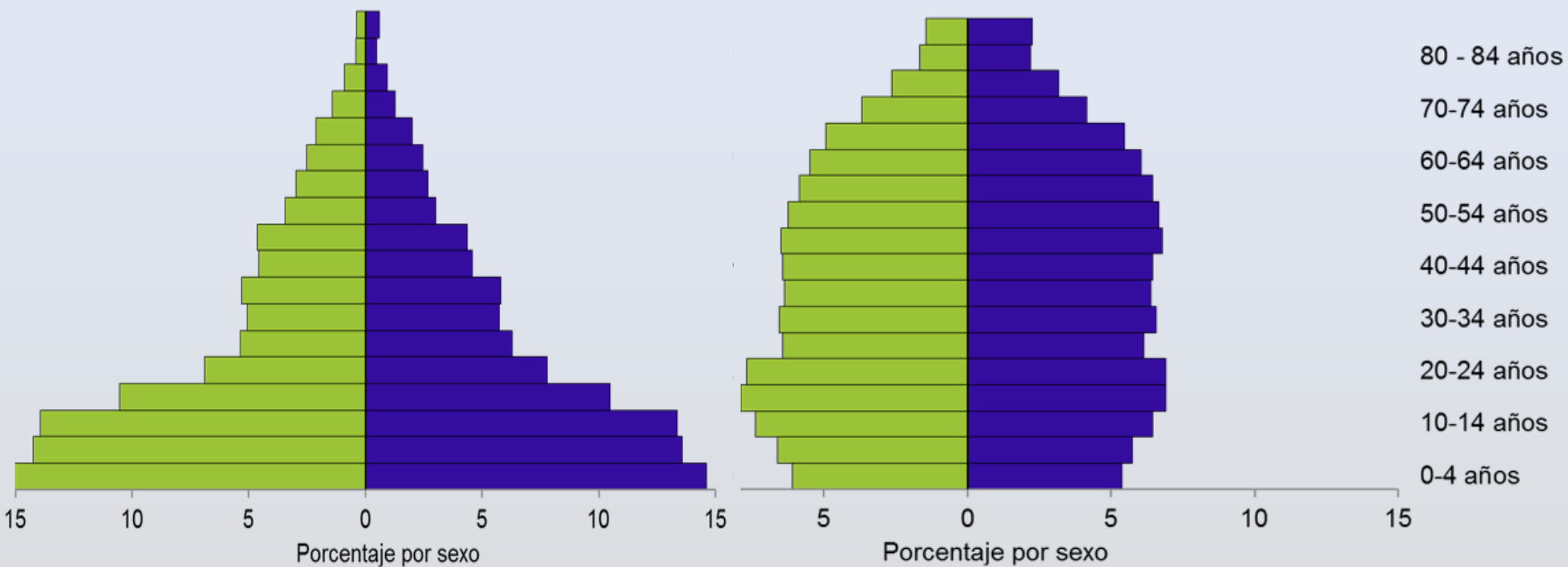
\$0 \$5,000 \$10,000 \$15,000 \$20,000 \$25,000 \$30,000 \$35,000

- Puerto Rico
- New York
- Alaska
- Massachusetts
- California
- New Jersey
- Connecticut
- Rhode Island
- Illinois
- Texas
- Hawaii
- Washington
- Colorado
- Pennsylvania
- Nebraska
- Nevada
- Oregon
- Ohio
- Minnesota
- Maryland
- Michigan
- Arizona
- Delaware
- Missouri
- Indiana
- Wisconsin
- Vermont
- Kentucky
- Kansas
- Louisiana
- Virginia
- South Carolina
- Utah
- Florida
- New Mexico
- Iowa
- New Hampshire
- Georgia
- Alabama
- North Dakota
- Maine
- West Virginia
- Tennessee
- Mississippi
- South Dakota
- North Carolina
- Wyoming
- Oklahoma
- Arkansas
- Montana
- Idaho



Sources: SIFMA 2015: Q1; Census (population from July 2014)

Note: Includes all short- and long-term municipal debt, issued at all government levies.

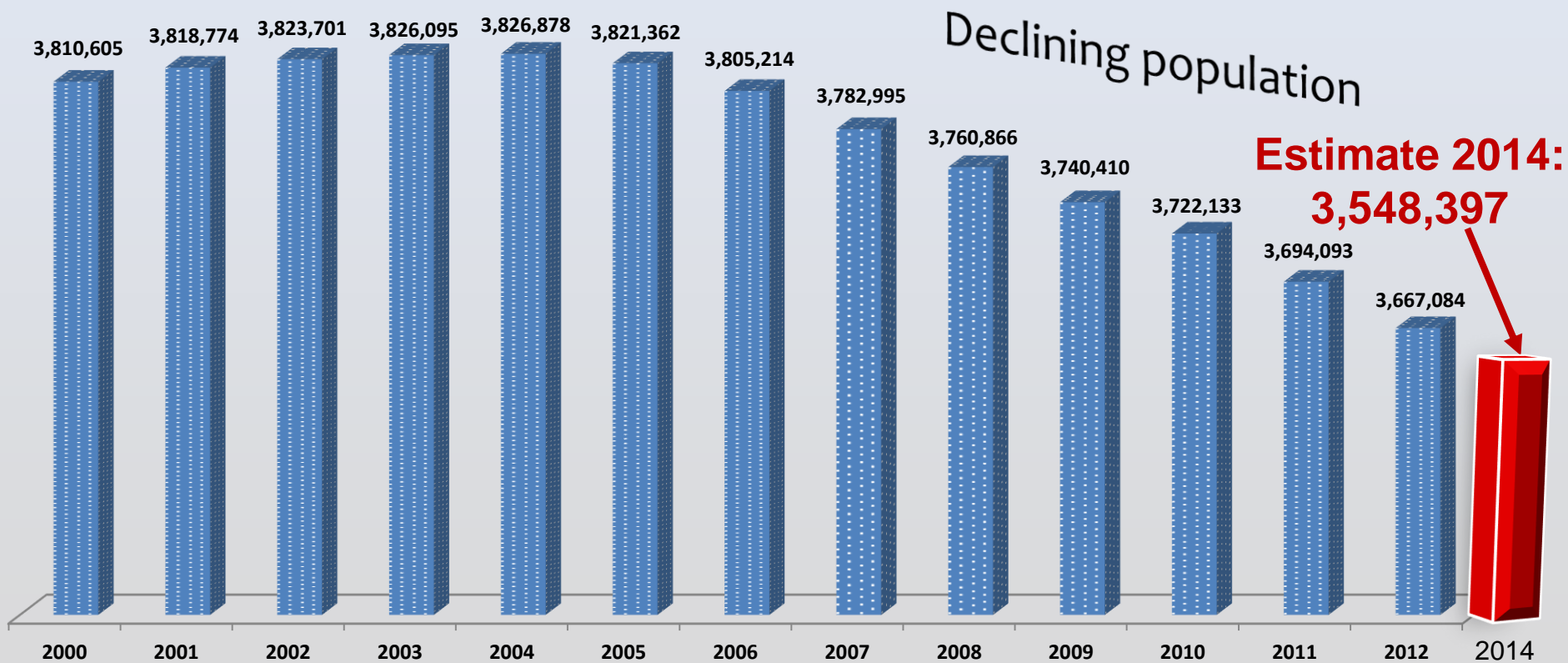


1960

2012

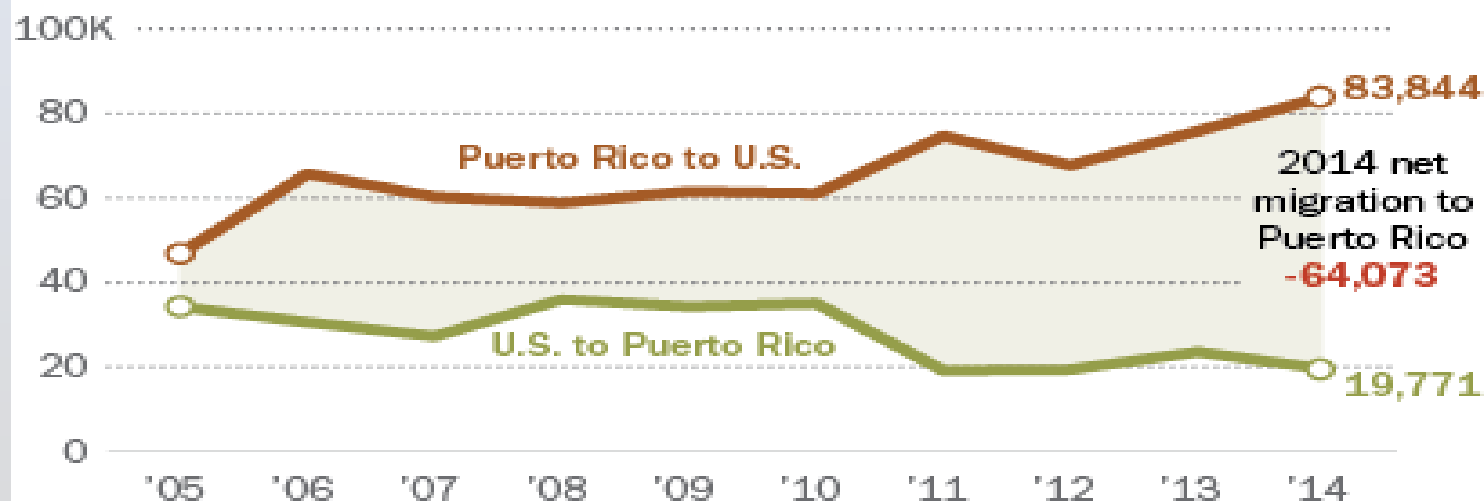
Population Distribution by Age and Sex: 1960 & 2012

U.S. Census Bureau Population Estimates Puerto Rico 2000-2012



More People Are Leaving Puerto Rico for Mainland

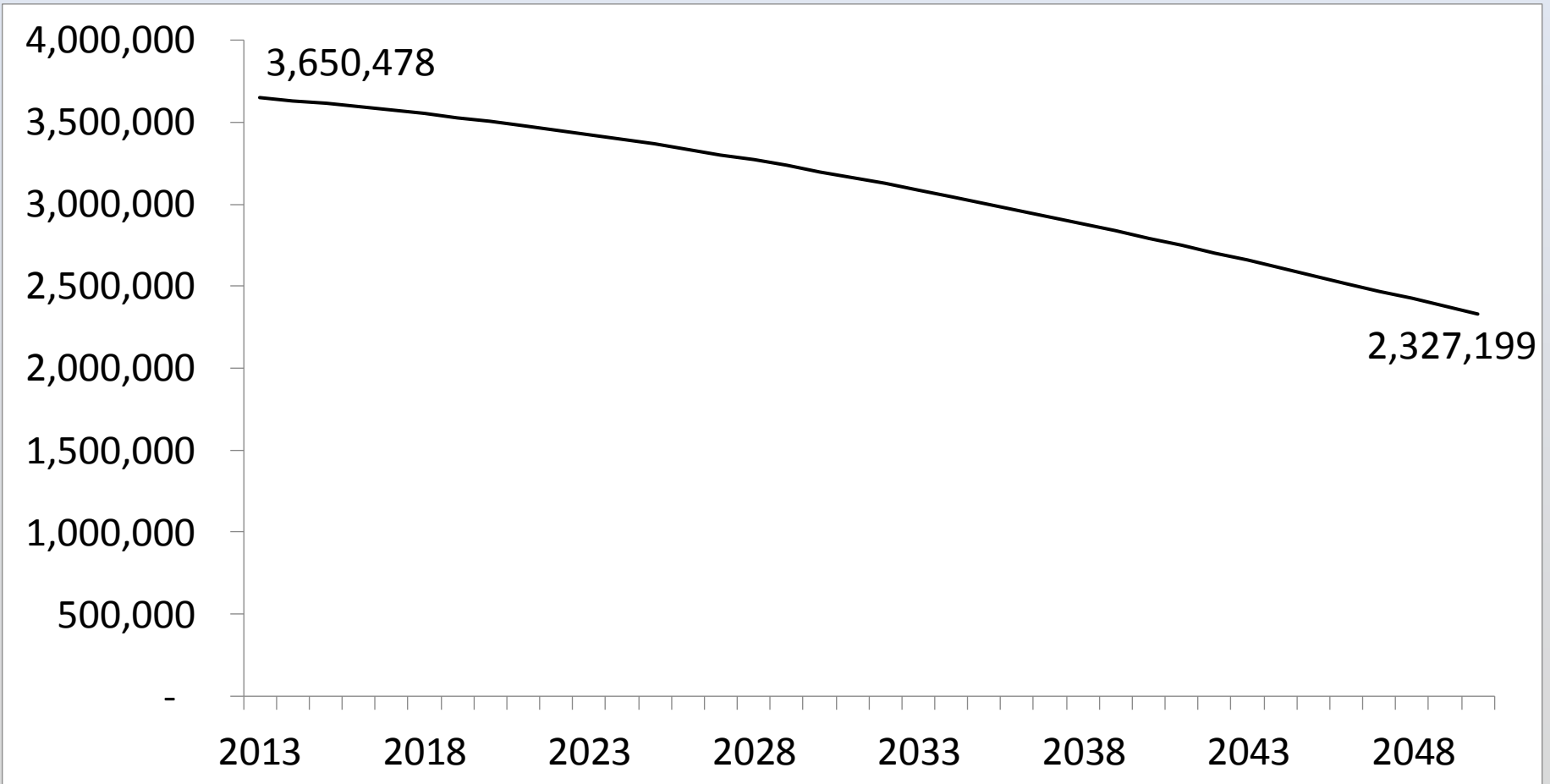
Migration between Puerto Rico and the U.S.



Note: For 2014, totals don't include children under 1 year old. Net migration is the number of migrants to Puerto Rico from the U.S. mainland minus the number of migrants from Puerto Rico to the U.S. mainland.

Source: Pew Research Center analysis of 2005-2014 American Community Survey and Puerto Rico Community Survey

Population Projections



SOCIODEMOGRAPHIC CHARACTERISTICS

- ***Median Age (yr.)***

– Puerto Rico	38.1
– U.S.	37

- ***Income:*** median annual income

– Puerto Rico	\$19,686
– U.S.	\$51,371

SOCIODEMOGRAPHIC CHARACTERISTICS

- ***Below Poverty Level:***

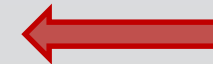
- **Puerto Rico** 45%
- U.S. 16%

- ***Educational Level (\geq HS)***

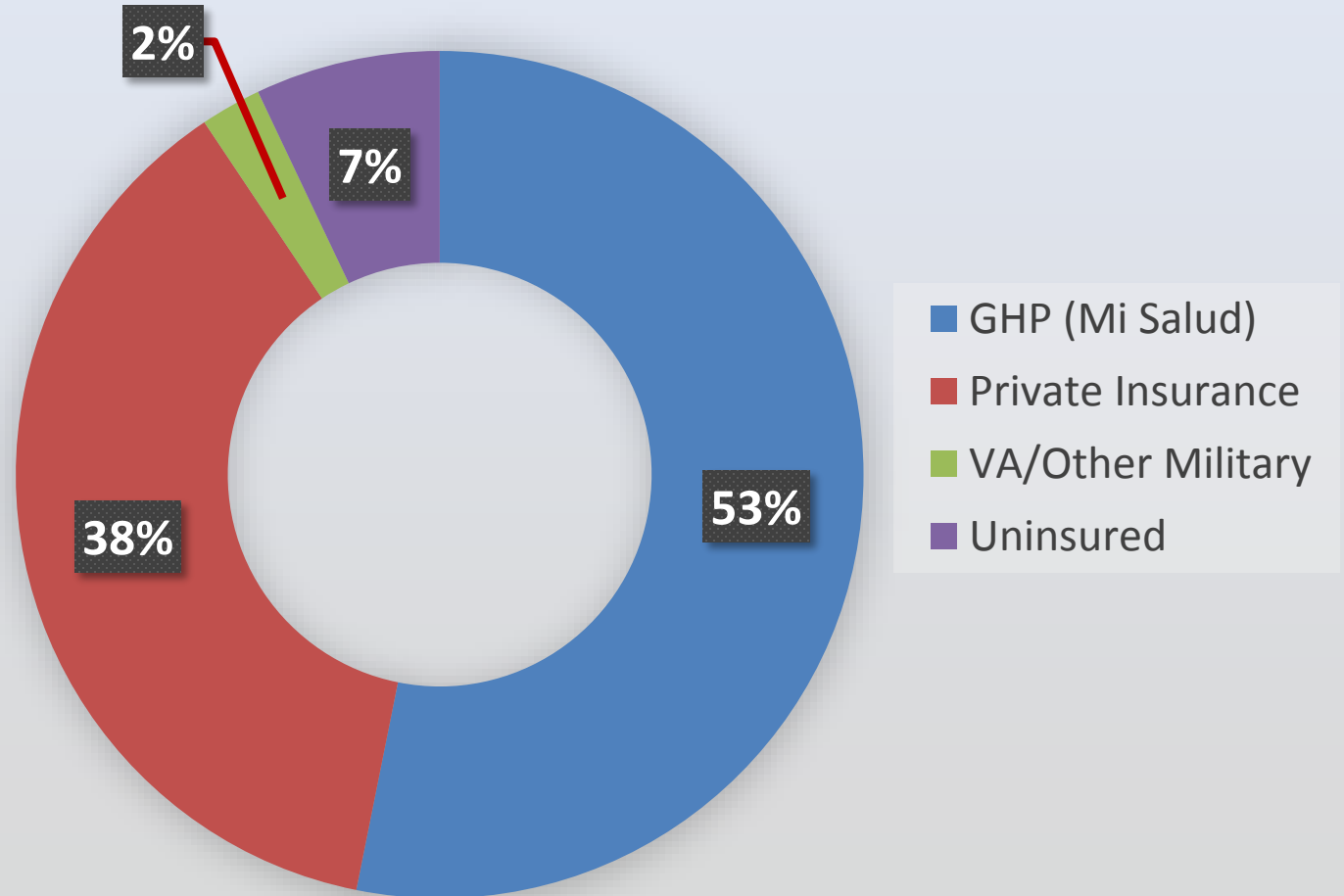
- **Puerto Rico** 72%
- U.S. 86%

- ***Health Insurance (Uninsured)***

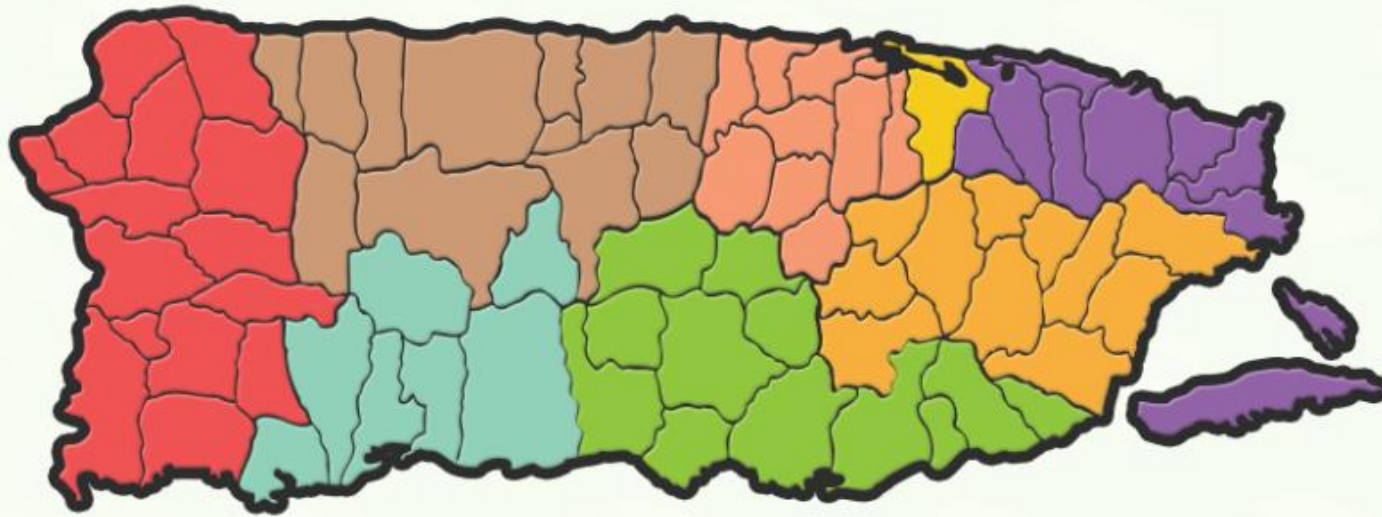
- **Puerto Rico** 7.6%
- U.S. 16%



Health Insurance Coverage in Puerto Rico-ACS 2013



2nd to Hawaii in Health Insurance Coverage



- NORTE
- METRO-NORTE
- SAN JUAN
- NORESTE
- OESTE
- SUROESTE
- SURESTE
- ESTE

GOVERNMENT HEALTH PLAN

REGIÓN	POBLACIÓN	ENTIDAD ADMINISTRADORA
San Juan	102,152	First Medical Health Plan, Inc. (FMHP)
Metro Norte	202,401	Triple S Salud (Triple S)
Norte	202,689	First Medical Health Plan, Inc. (FMHP)
Oeste	226,878	Triple S Salud (Triple S)
Suroeste	142,221	Molina Healthcare of Puerto Rico, Inc. (MHPR)
Sureste	163,549	PMC Medicare Choice, LLC (PMC)
Este	214,618	Molina Healthcare of Puerto Rico, Inc. (MHPR)
Noreste	134,273	MMM Multi Health, LLC (MMM)

Other Challenges

- Government Health Plan (Mi Salud)
 - No paying on time
 - Insurance Companies
 - PRPHA
 - Exodus of Healthcare Professionals
 - 1 per day
 - Last year over 500

OPPORTUNITIES



OPPORTUNITIES

- Access to Health Care
 - Low Percentage of Uninsured (7.6%)
- Federal Funding
- Large Network of FQHC's

ontrol de Cancer



Coalición para el Control de Cáncer de Puerto Rico
PROGRAMA DE CONTROL COMPRENSIVO DE CÁNCER

Coalición para el Control de Cancer de PuertoRico

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REGISTRO CENTRAL DE CÁNCER DE PUERTO RICO

Registro Central de Cancer de Puerto Rico

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PUERTO RICO BREAST & CERVICAL CANCER PREVENTION AND EARLY DETECTION PROGRAM

Prevención y Detección temprana de Cáncer de Mama y Cuello Uterino de Puerto Rico

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Puerto Rico Comprehensive Cancer Control Program



**Coalición para el
Control de Cáncer
de Puerto Rico**

PROGRAMA DE CONTROL COMPRESIVO DE CÁNCER

Comprehensive Cancer Control

Comprehensive Cancer Control is a collaborative process through which a community pools resources to reduce the burden of cancer by working to achieve:

- Risk Reduction
- Early Detection
- Improved Treatment
- Enhanced Survivorship



PUERTO RICO COMPREHENSIVE CANCER CONTROL PLAN

2015 - 2020



Puerto Rico Comprehensive Cancer Control Plan: 2015-2020

- Prevention
 - ***HPV vaccination***
 - Nutrition and Physical Activity
 - Use of Tobacco and other Products
 - Sun Exposure
- Screening and Early Detection
 - ***Breast Cancer***
 - ***Cervical Cancer***
 - Colorectal Cancer
 - Prostate Cancer

Puerto Rico Comprehensive Cancer Control Plan: 2015-2020 (2)

- Treatment
 - Access the High Quality Treatment
 - Access to Patient Assistant Program
 - Use of Treatment Guidelines
 - Access to Clinical Trials
- Survivorship
 - Use Survivorship Care Plan
 - Services and Resources for cancer Survivors and Caregivers
 - Assess Economic Impact of Cancer Care
- Implement Policy, Systems and Environmental Approaches (PSE)





Contáctenos



INICIO SOBRE NOSOTROS CANCER DE SENO CANCER DE CERVIX PARTICIPANTES RECURSOS PROVEEDORES EVENTOS Y NOTICIAS



Bienvenidos a nuestro nuevo Portal

Bienvenido a nuestro nuevo portal - El Programa de Prevención y Detección Temprana de Cáncer de Mama y Cuello Uterino de PR es auspiciado por los Centros de Control y Prevención de Enfermedades (CDC por sus siglas en inglés). El Programa





Puedes hacer la diferencia...
hazte las pruebas hoy.

MAMOGRAFÍA Y PAPANICOLAOU

GRATIS
para mujeres elegibles
al programa

REQUISITOS:

- Estar entre las edades de 21 a 64 años
- No cualificar para la Reforma de Salud
- No tener plan médico privado
- Cumplir con los requisitos de ingreso económico
- Mujeres de 65 años o más que no cuentan con Medicare, o no tienen Medicare Parte B

Si desea saber si es elegible para el programa o recibir más información, puede comunicarse al

(787) 522-3265

CENTRO
COMPRESIVO
DE
CÁNCER
universidad de puerto rico



ESTADO LIBRE ASOCIADO DE
PUERTO RICO
Departamento de Salud

Busca el centro de tu salud

CENTROS DE SALUD PRIMARIA EN PUERTO RICO

Océano Atlántico



Clínicas de Salud Primaria:
Clínicas que ofrecen servicios de salud primaria



Clínicas de Salud Escolar:
Servicios de salud primaria dentro de escuelas públicas



Programas de personas sin hogar:
Servicios de salud primaria para deambulantes



Programas de vivienda pública:
Servicios de salud primaria en residenciales públicos



***Puerto Rico Behavioral Risk
Factors Surveillance System***

PRDOH

Cancer Screening Behaviors, in U.S. and Puerto Rico, BRFSS 2014

Screening Test	U.S. (Md%)	PR Overall	PR Females
Pap Smear (21-65 YRS)	82.6%		77.4%
Mammography			
40+ years	73.0%		78.8%
50+ years	75.6%		80.4%
CRCS Endoscopy (50+ yrs.)	69.3%	50.6%	51.1%
CRCS FOBT (50+ yrs.)	12.8%	18.5%	17.8%
USPSTF (50-75 yrs.)	66.6%	52.5%	52.9%



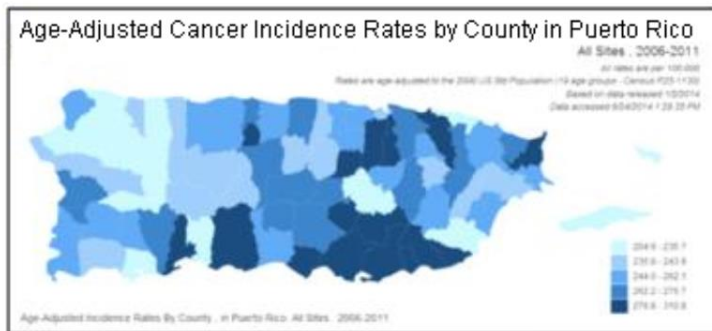
Welcome to Our Portal

Message from the Directors

The Cancer Registry of Puerto Rico is responsible for calculating and disseminate the latest information available on cancer incidence and mortality in Puerto Rico.

The information in the registry is obtained by an active search of cases of cancer in the places where we study, diagnose or treat cancer patients.

We have made an effort to present information in simple and accessible to patients, physicians, public and private organizations, researchers, students and the general public.



Popular Links

- [Annual Report](#)
- [Taxes and Maps](#)
- [Calendar of Events](#)
- [Frequently Asked Questions \(FAQ's\)](#)
- [Site Map](#)

"This work was partially supported by the National Program of Cancer Registries (NPRC) of the Centers for Disease Control (CDC). Grant # 5U58-DP 003863-03. Its contents are solely the responsibility of the

Thank you







PESCADORES

UNIDOS

BOQUERON



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COMPRESIVO
DE CÁNCER
universidad de puerto rico