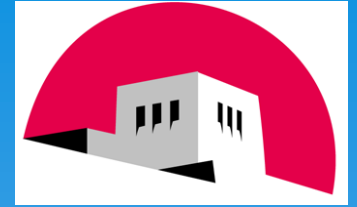


**University of New Mexico
Geospatial and Population Studies**



New Mexico Population Updates

**Robert Rhatigan
Associate Director
Geospatial and Population Studies
University of New Mexico
rhatigan@unm.edu
505.277.4034**

**New Mexico
Data User's Conference
November 16, 2017**

Outline

- **2020 Census**
- **NM Population Estimates**
- **NM Population Projections**

Census 2020



Census 2020 Outline

- * **What's at Stake?**
- * **Concerns**
- * **What We Can Do**

Census 2020

At Stake:

- * **Congressional Apportionment**
- * Redistricting
- * Data Quality
- * Economic Development
- * **Hundreds of Billions of Dollars**

Cen\$u\$ 2020

- * **Used to Allocate \$600 Billion in Annual Federal Funds**
- * **Over \$6 Billion Annually for New Mexico**
 - * Medicaid
 - * Transportation
 - * Education
 - * Housing
 - * CDBG
 - * 150 other programs

THE GEORGE WASHINGTON UNIVERSITY

WASHINGTON, DC

Counting for Dollars 2020

16 Large Federal Assistance Programs that Distribute Funds on Basis of Decennial
Census-derived Statistics (Fiscal Year 2015)

New Mexico

Total Program Obligations: \$6,197,394,617

Per Capita: \$2,972 (see note on proper use)

<u>CFDA #</u>	<u>Program Name</u>	<u>Dept.</u>	<u>Type</u>	<u>Recipients</u>	<u>Obligations</u>
93.778	Medical Assistance Program (Medicaid)	HHS	Grants	States	\$4,173,017,895
10.551	Supplemental Nutrition Assistance Program (SNAP)	USDA	Direct Pay	Households	\$685,206,629
20.205	Highway Planning and Construction	DOT	Grants	States	\$360,908,073
93.774	Medicare Part B (Supplemental Medical Insurance) – Physicians Fee Schedule Services	HHS	Direct Pay	Providers	\$252,631,865
84.010	Title I Grants to Local Education Agencies	ED	Grants	LEAs	\$115,281,583
10.555	National School Lunch Program	USDA	Grants	States	\$95,353,466
84.027	Special Education Grants (IDEA)	ED	Grants	States	\$90,766,161
93.600	Head Start/Early Head Start	HHS	Grants	Providers	\$84,381,811
14.871	Section 8 Housing Choice Vouchers	HUD	Direct Pay	Owners	\$74,512,000
93.767	State Children's Health Insurance Program (S-CHIP)	HHS	Grants	States	\$73,635,000
93.527/ 93.224	Health Center Programs (Community, Migrant, Homeless, Public Housing)	HHS	Grants	Providers	\$65,320,352
10.557	Supplemental Nutrition Program for Women, Infants, and Children (WIC)	USDA	Grants	States	\$38,654,036
14.195	Section 8 Housing Assistance Payments Program (Project-based)	HUD	Direct Pay	Owners	\$30,028,385
93.658	Foster Care (Title IV-E)	HHS	Grants	States	\$20,392,000
93.596	Child Care and Development Fund-Entitlement	HHS	Grants	States	\$20,188,000
93.568	Low Income Home Energy Assistance (LIHEAP)	HHS	Grants	States	\$17,117,361

2020 Cen\$u\$

Oversimplified, Unscientific, Back-of-the Napkin

Cost of a 1% Undercount in New Mexico:

\$3,000 X 20,000 people X 10 years

= \$600,000,000

Census 2020 Concerns

Federal Level:

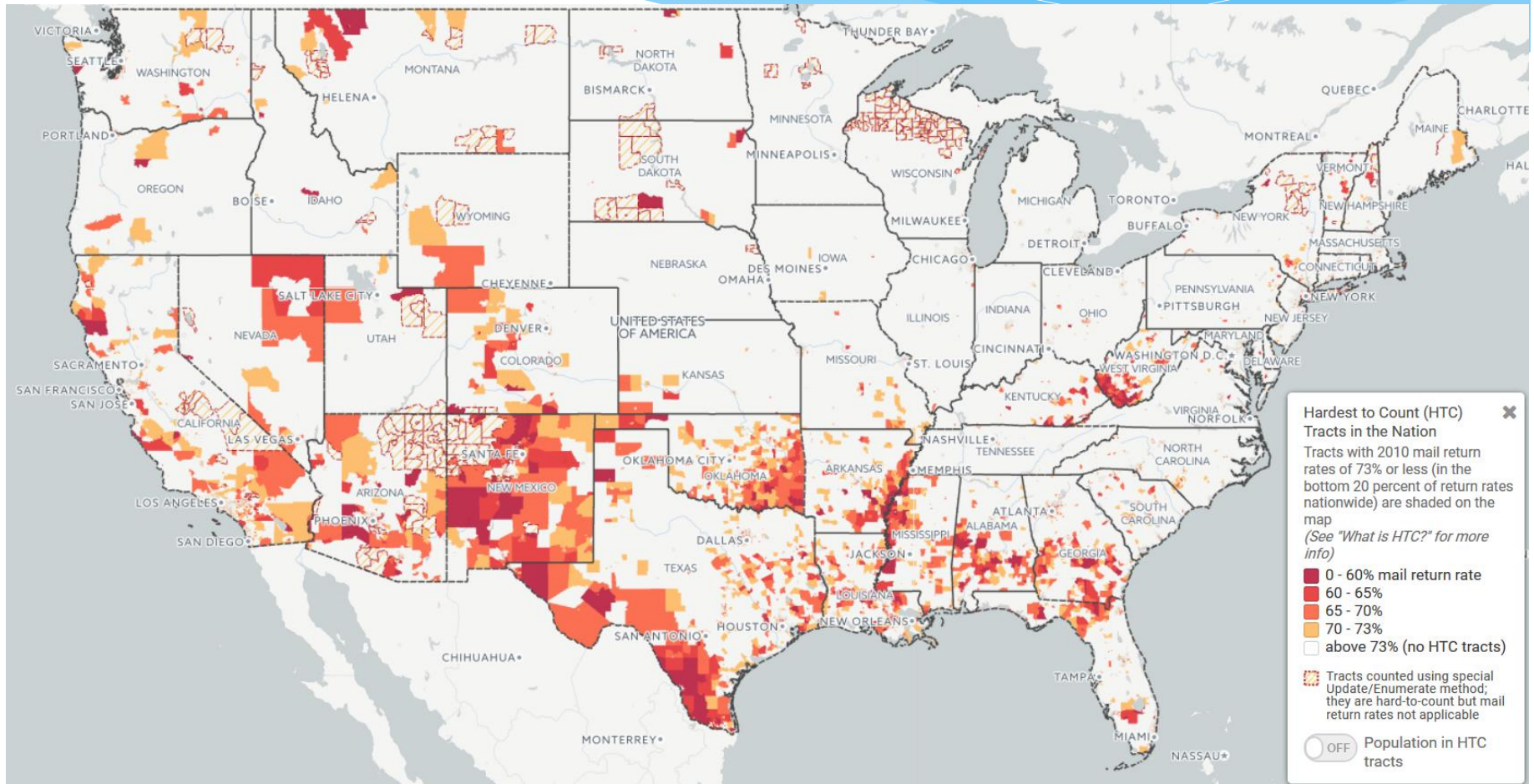
- * Budget
- * Testing
- * Leadership
- * IT Infrastructure
- * Data Confidentiality (Real or Perceived)

State Level:

- * New Mexico is Hard to Count!
- * No Financial Assistance for Census Partnership Programs



Hardest to Count Communities



2020 Census

- * **New Mexico is Vulnerable to Undercount**
 - * 2000 Undercount = 1.94%
 - * 2010 – NM 2nd Lowest Response Rate in US
 - * **Most at Risk:**
 - * **Native Americans**
 - * **Hispanics**
 - * **Impoverished**

What Can We Do?

The 2020 Census: A New Design for the 21st Century

Motivate People to Respond

Conduct a nation-wide communications and partnership campaign

- Maximize outreach using traditional and new media
- Target ads to specific audiences
- Work with trusted sources to inspire participation



Establish Where to Count

Identify all addresses where people could live



- Conduct a 100% review and update of the nation's address list
- Minimize field work with in-office updating
- Use multiple data sources to identify areas with address changes
- Get local government input

TELEPHONE AND PAPER SELF-RESPONSE

NONRESPONSE FOLLOWUP

INTERNET SELF-RESPONSE

Count the Population

Collect data from all households, including group and unique living arrangements

- Make it easy for people to respond anytime, anywhere
- Encourage people to use the new online response option
- Use the most cost-effective strategy to contact and count nonrespondents
- Knock on doors only when necessary
- Streamline in-field census-taking



Release Census Results

Process and Provide Census Data

- Deliver apportionment counts to the President by December 31, 2020
- Release counts for redistricting by April 1, 2021
- Make it easier for the public to get data



What Can We Do?

- * Establishing Where to Count**
 - * Local Update of Census Addresses (LUCA)**
- * Motivating People to Respond**
 - * Complete Count Committees**
- * Establishing Trust**

Local Update of Census Addresses

LUCA:

- * Local Input on Establishing *Where to Count*
- * Open to all Governments - State, Tribal, County, City
- * February – July 2018
 - * REGISTRATION ENDS DECEMBER 15, 2017
- * Who Has Registered?
- * Help is Available
 - * Census Geography Division
 - * GAC 2020 Census Subcommittee
 - * State Liaison
 - * COGs

Complete Count Committees

- * Established by tribal, state and local governments to increase awareness and motivate response to the census
- * Utilize trusted voices within communities rather than relying on Census Bureau outreach
- * Formed no later than Early 2019
- * Funding will increase effectiveness

Establishing Trust

- * **Title 13 of U.S. Code**
- * **No Question of Residency Status**
- * **Technically Difficult to Extract Individual Records**
- * **Access to Complete Databases is Limited**

**Census 2020
Questions or
Comments?**

Estimate Source Comparison

	US Census Bureau	UNM GPS
Migration Indicators	3	6+
Methods	1*	3-4
Smallest Geography	City/Town N=138	Census Tract N=499
Race Categories	6	4

GPS Estimates Input Data

- **Dept. of Health Vital Records**
- **IRS Migration Files**
- **Medicare Enrollment**
- **MVD Driver's Licenses**
- **PED School Enrollment**
- **Voter Registration**
- **Residential Building Permits**
- **Others e.g. Group Quarters Survey**

GPS Estimates Methods

- **Cohort-Component**
- **Housing Unit**
- **Ratio Correlation**
- **Shift-Share (Hamilton-Perry)**

Census Estimate San Juan County

2010 Census Count	130,044
2016 Census Estimate	115,079
6 Year Decrease	14,965
6 Year Natural Increase	5,650
6 Year Out Migration	20,770

Estimates Data Portals

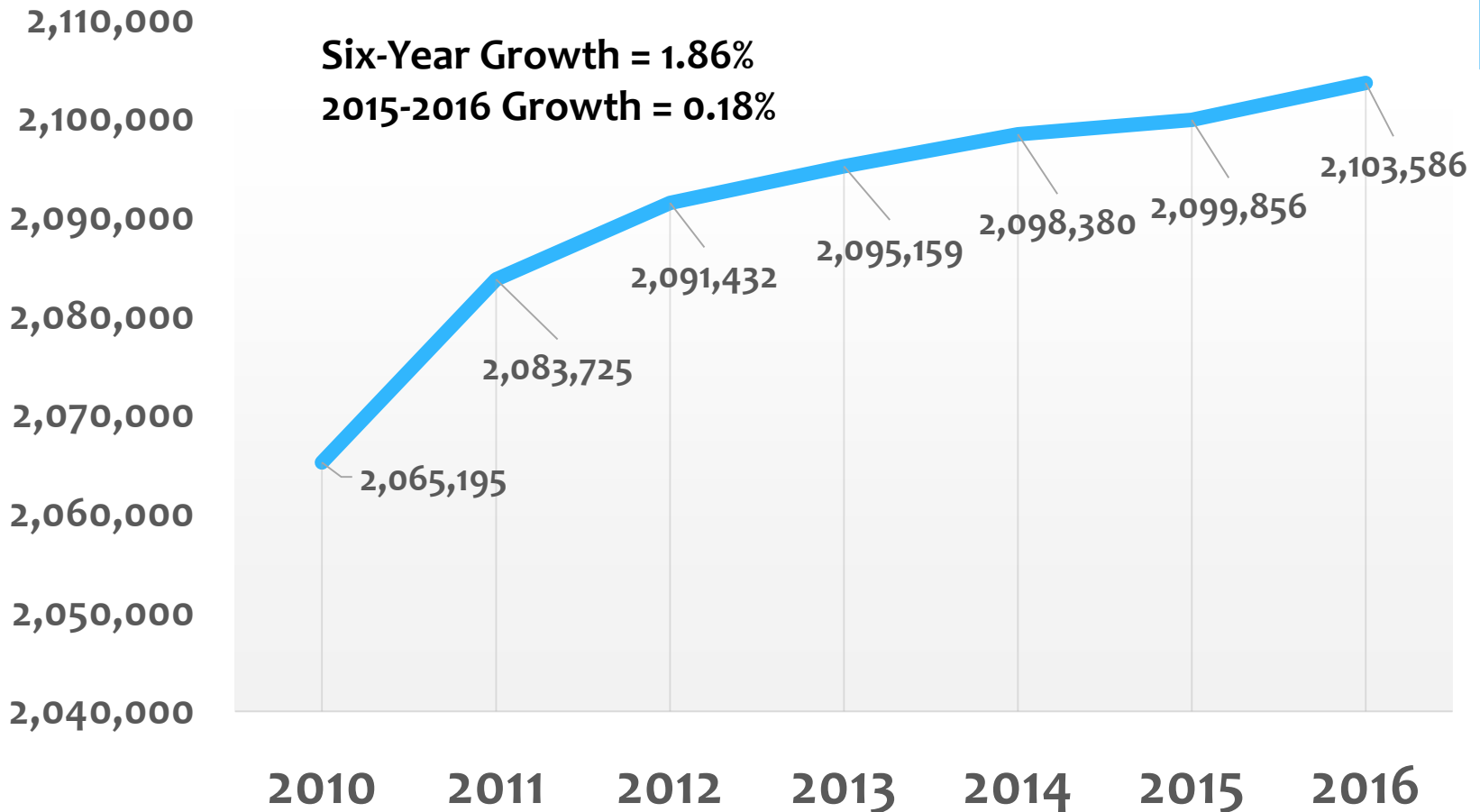
- * **UNM GPS - gps.unm.edu**
- * **NM-IBIS - ibis.health.state.nm.us**
- * **Factfinder - factfinder.census.gov**

Data Uncertainty

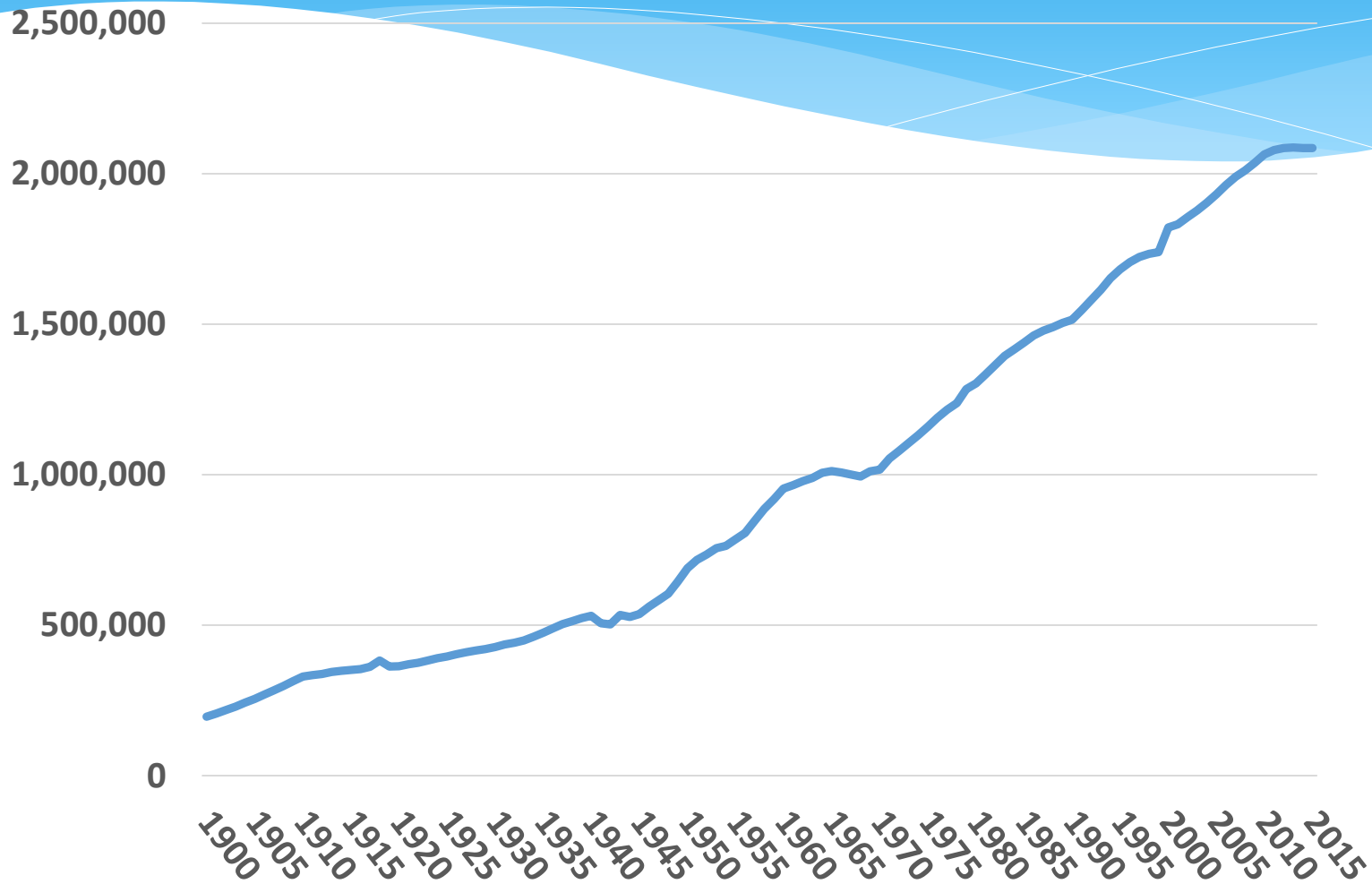
Increases:

- **As Size of Population Decreases**
- **Further from the Last Census**
- **For Minority Populations**
- **On Tribal Lands**
- **As Populations Grow or Decline**

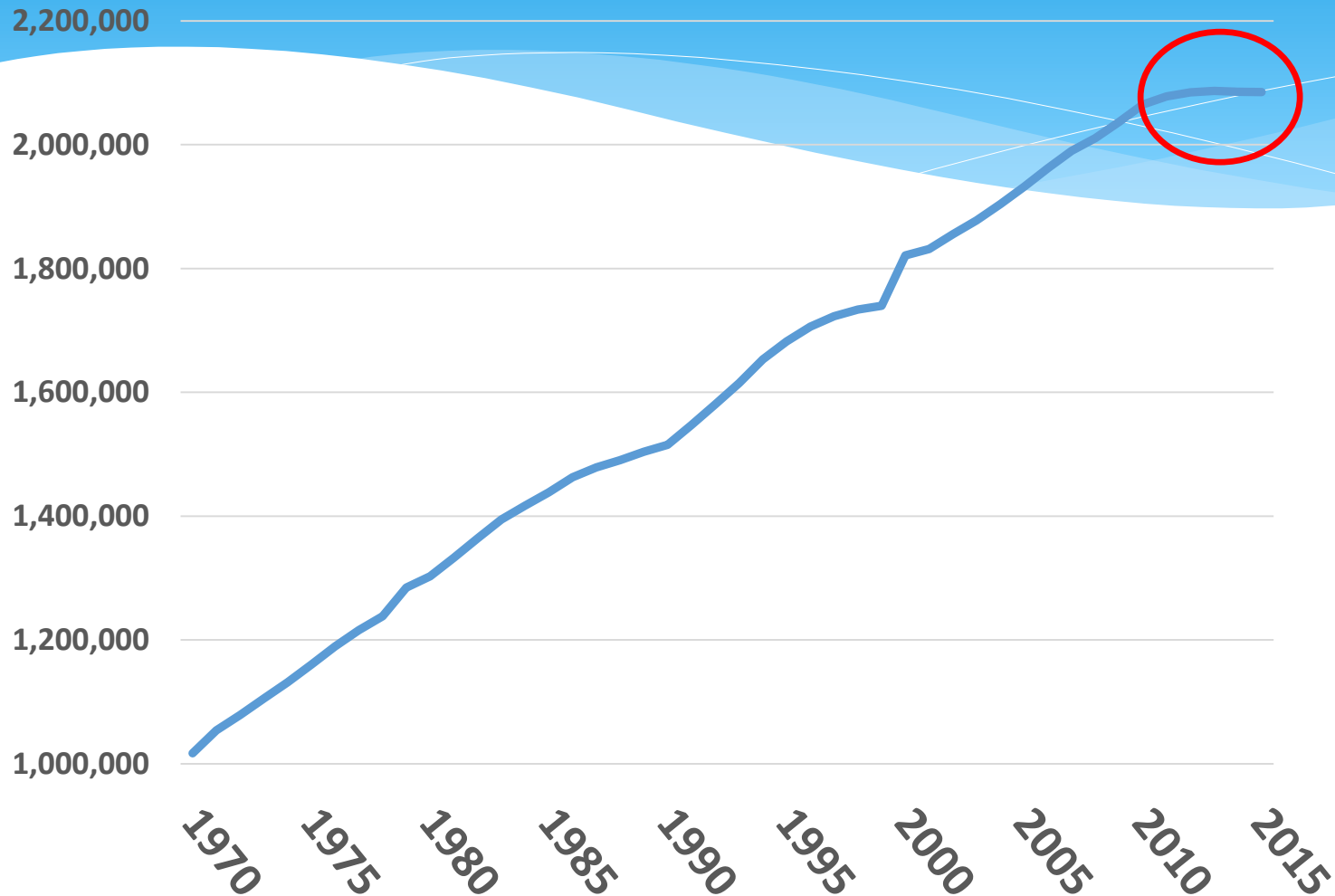
New Mexico Population Totals 2010-2016



NM Population 1900 - 2016



NM Population 1970 - 2016

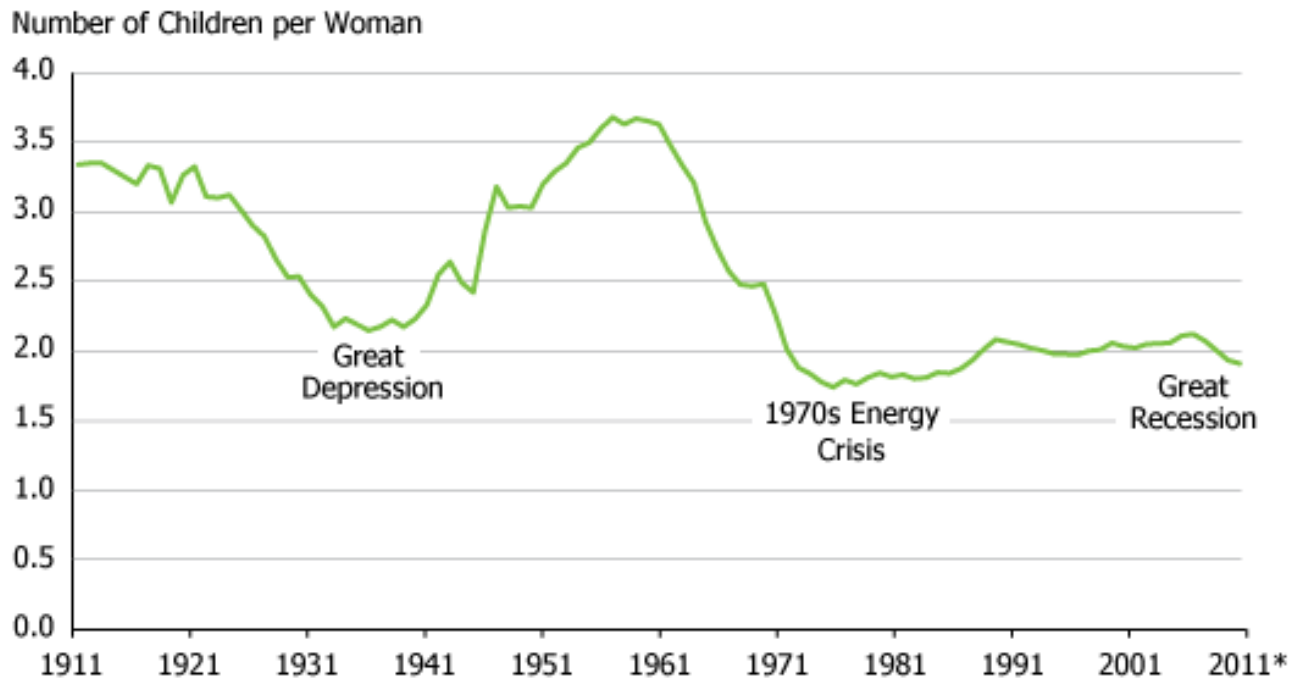


Source: US Census Bureau Population Estimates
<https://www.census.gov/popest/data/historical/index.html>

Why Flat Growth?

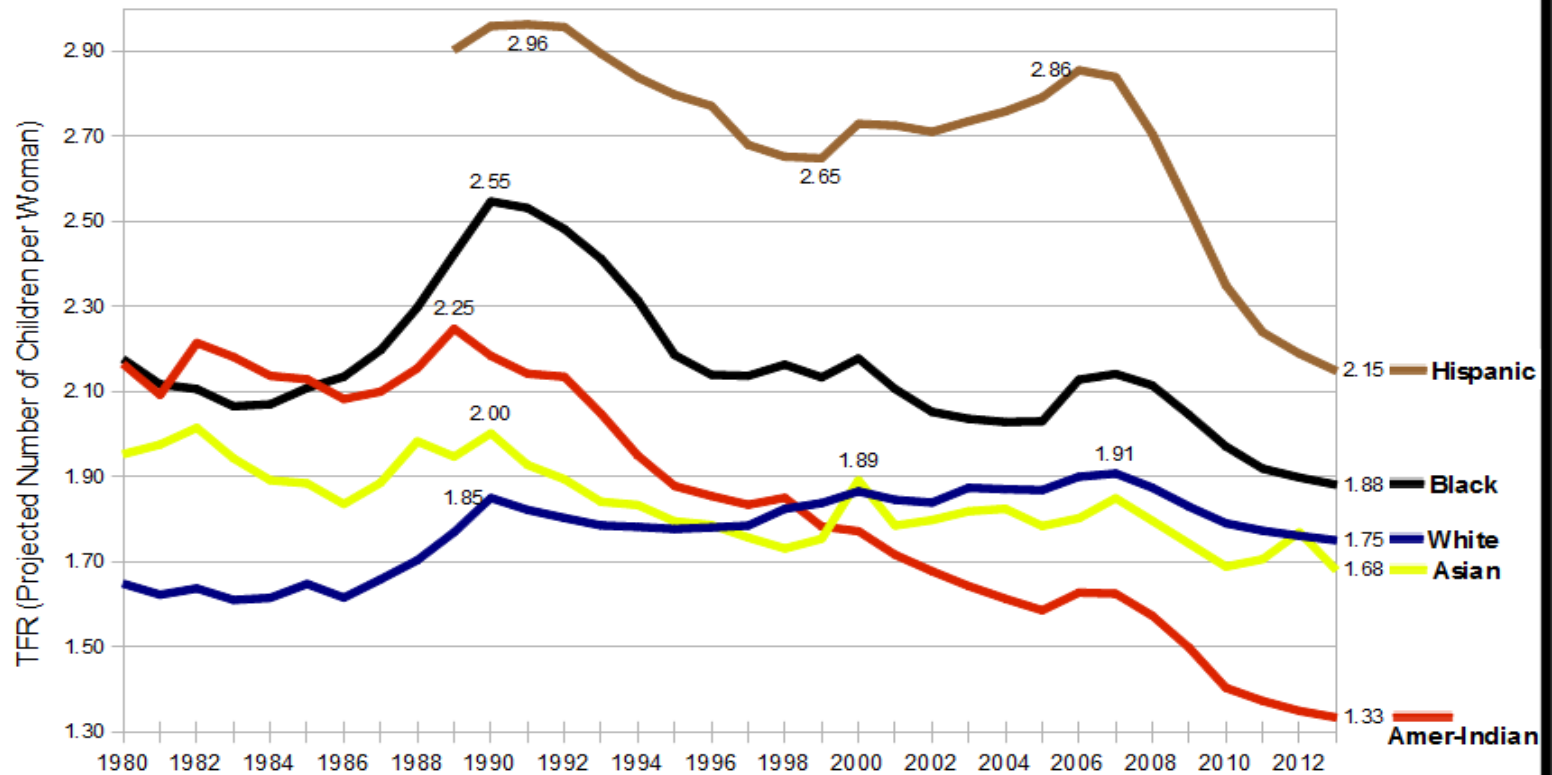
- * **Births are Down**
- * **Deaths are Up**
- * **Migration is Out**

Declining Fertility

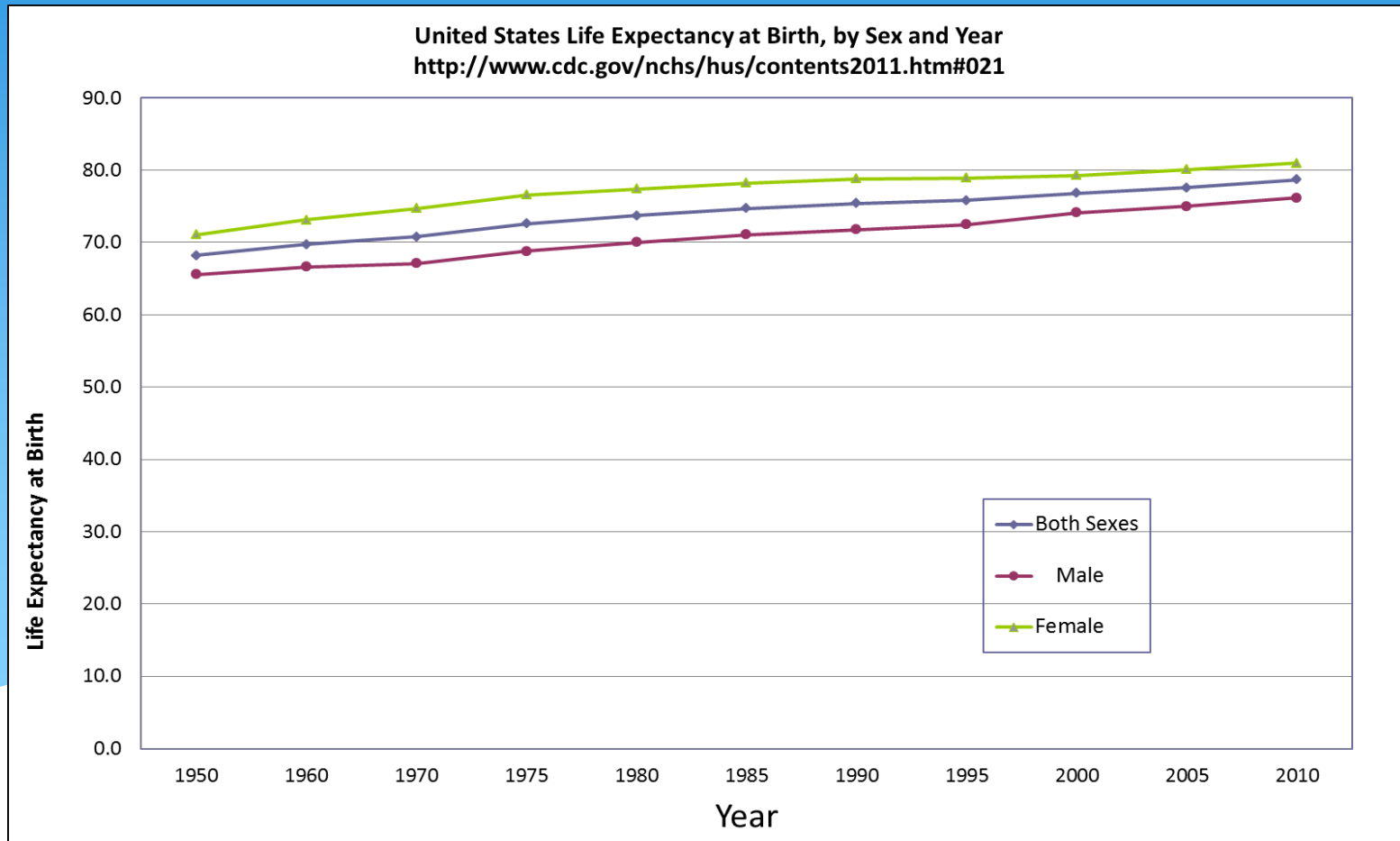


Declining Fertility

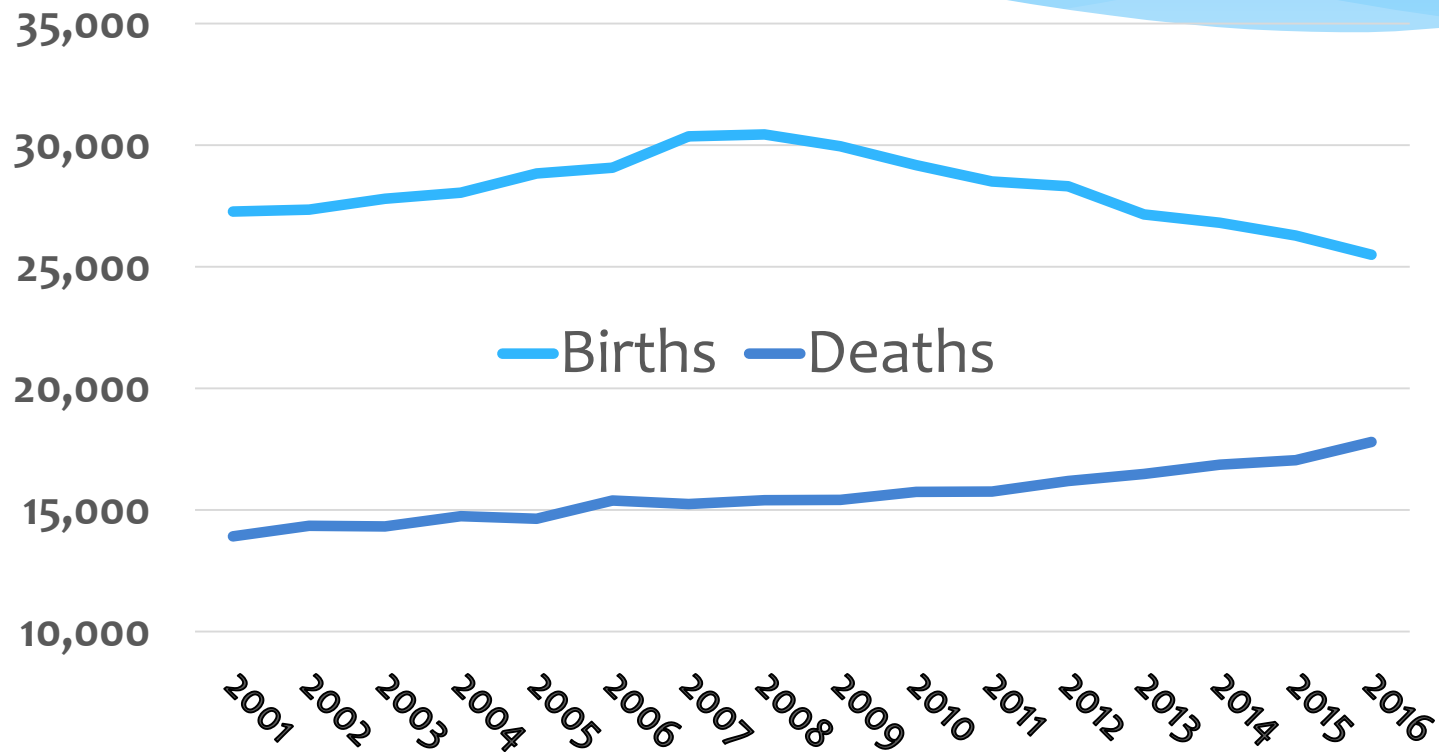
Total Fertility Rates in the USA, 1980-2013 By Race and Hispanic Origin



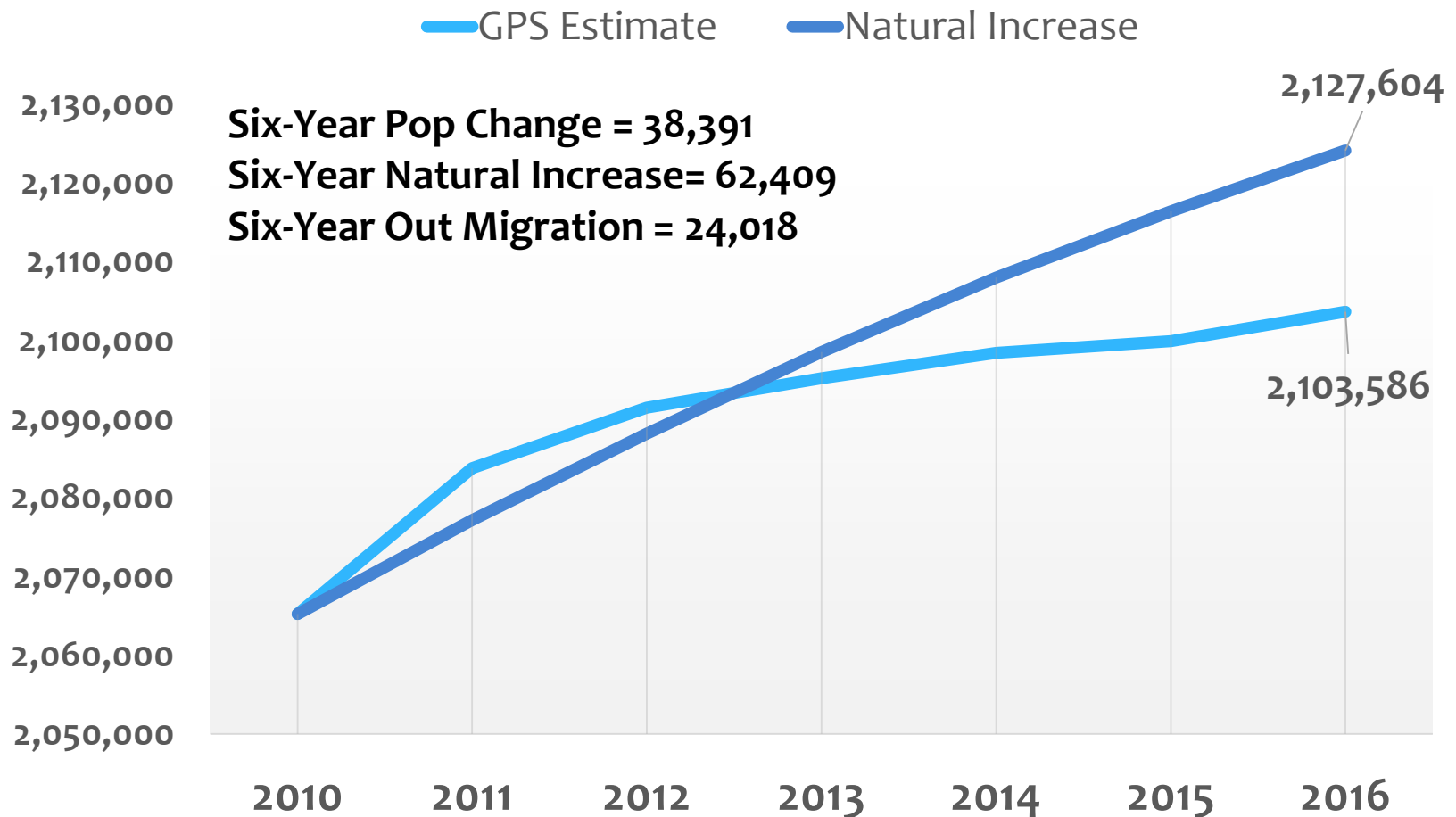
Mortality



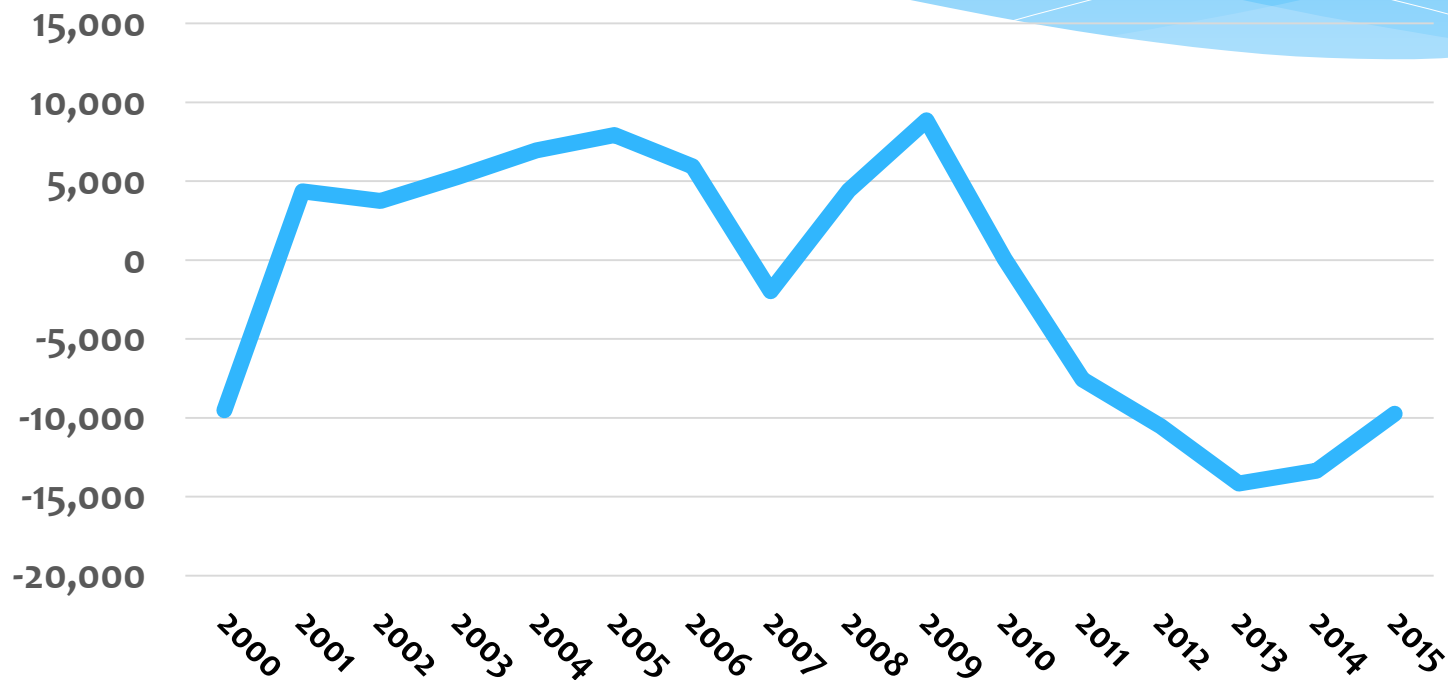
Births and Deaths in New Mexico 2001-2016



NM State Total 2010-2016 Vs. Natural Increase

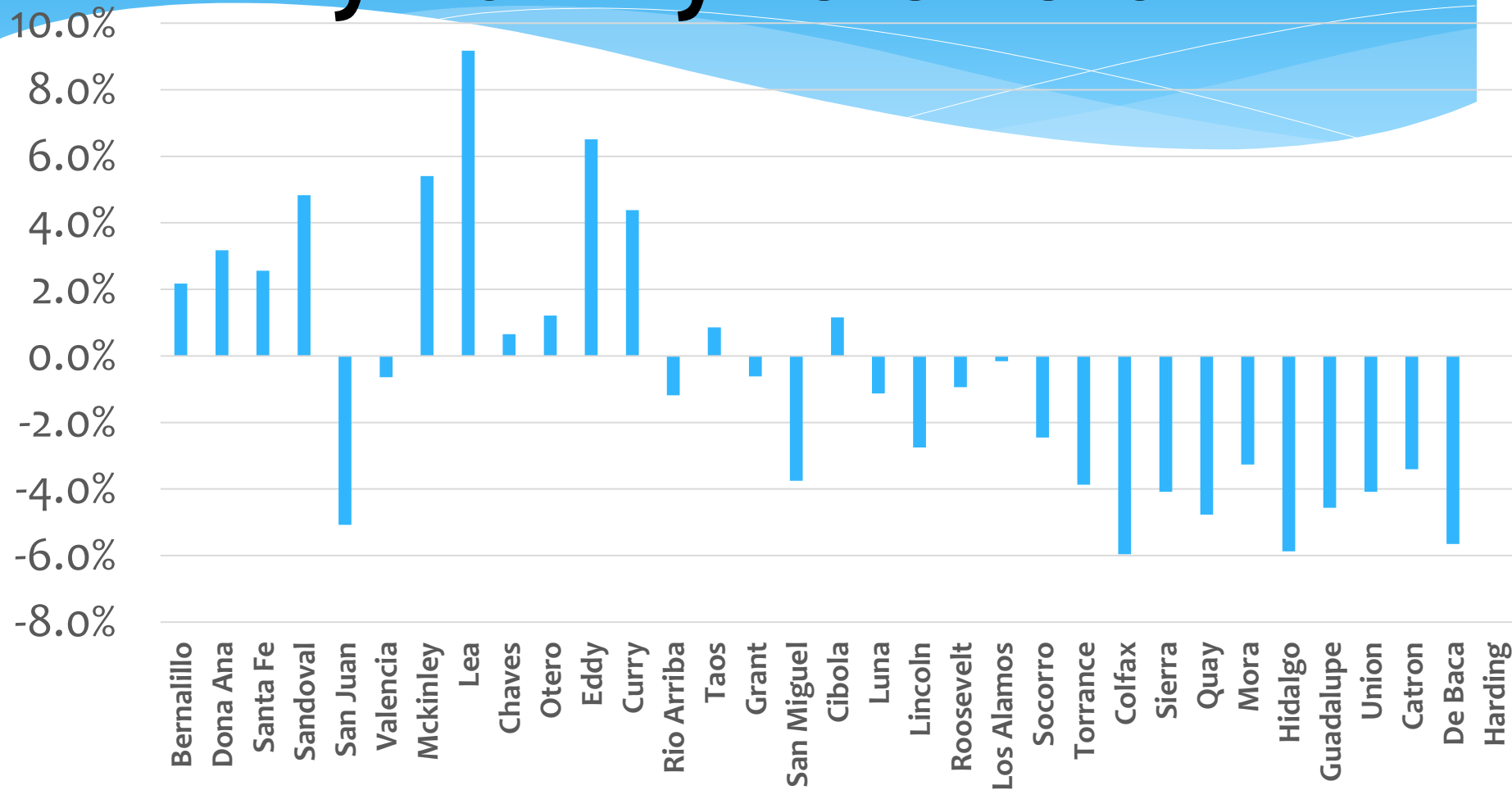


NM Net Domestic Migration 2000-2015



Source: US Census Bureau Population Estimates Components of Change

Population Change by County 2010-2016



Changes in State Demographic Characteristics 2010-2016

	2010	2016	Change
Hispanic	46.4%	48.5%	+2.1%
White	84.6%	84.1%	-0.5%
Female	50.6%	50.5%	-0.15%

NM Net-Migration by Five-Year Cohorts 2010-2015

Cohort	Migration
Under 5 years	N/A
5 to 9 years	-4,967
10 to 14 years	-4,024
15 to 19 years	-2,350
20 to 24 years	-680
25 to 29 years	1,080
30 to 34 years	-881
35 to 39 years	-395
40 to 44 years	-4,777
45 to 49 years	-3,074
50 to 54 years	-6,587
55 to 59 years	-1,165
60 to 64 years	814
65 to 69 years	4,675
70 to 74 years	2,804
75 to 79 years	2,055
80 to 84 years	689
85 years and over	710

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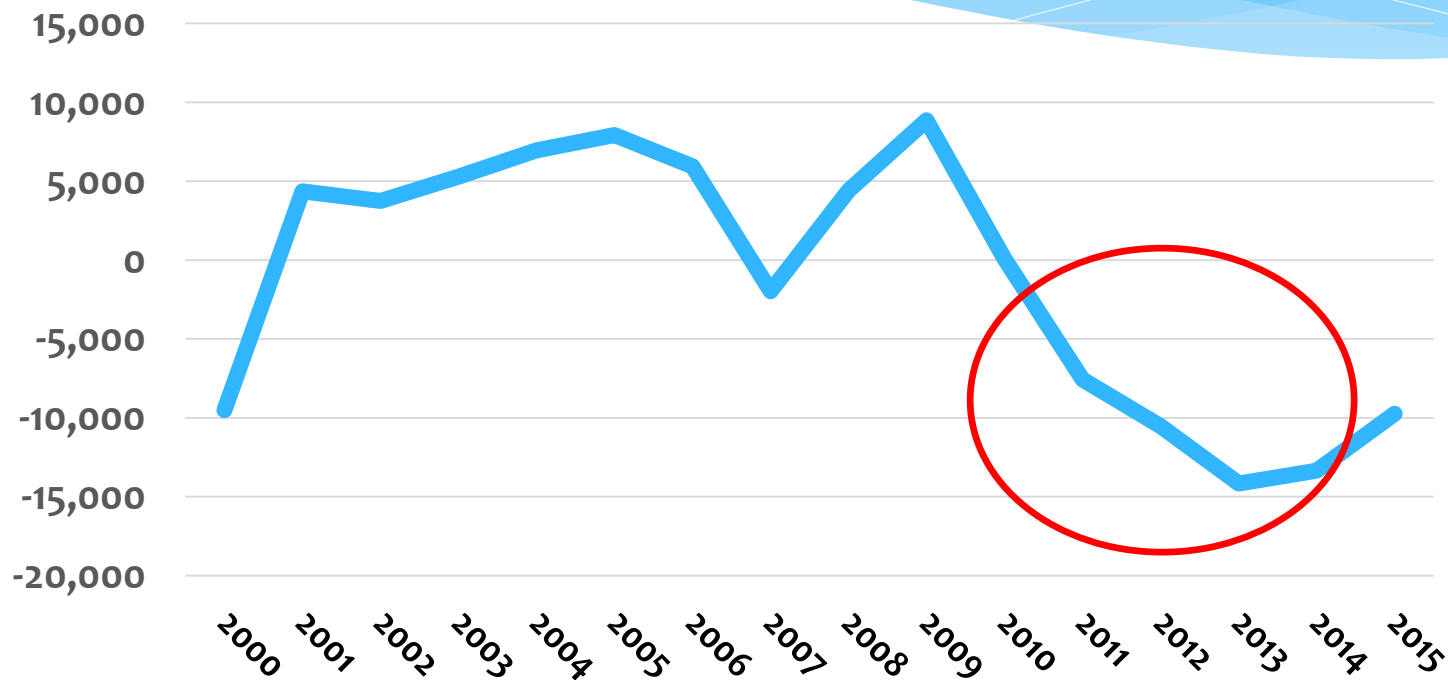
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Population Projections

Projection Sources:

- [UNM Geospatial and Population Studies](#)
 - * NM State and County Projections
- [US Census Bureau](#)
 - * National level only
- [University of Virginia Cooper Center](#)
 - * Projections for every state – Use NM Cautiously
- * Private Sector
 - * ESRI Demographics
 - * Geolytics

UVA Migration Assumptions



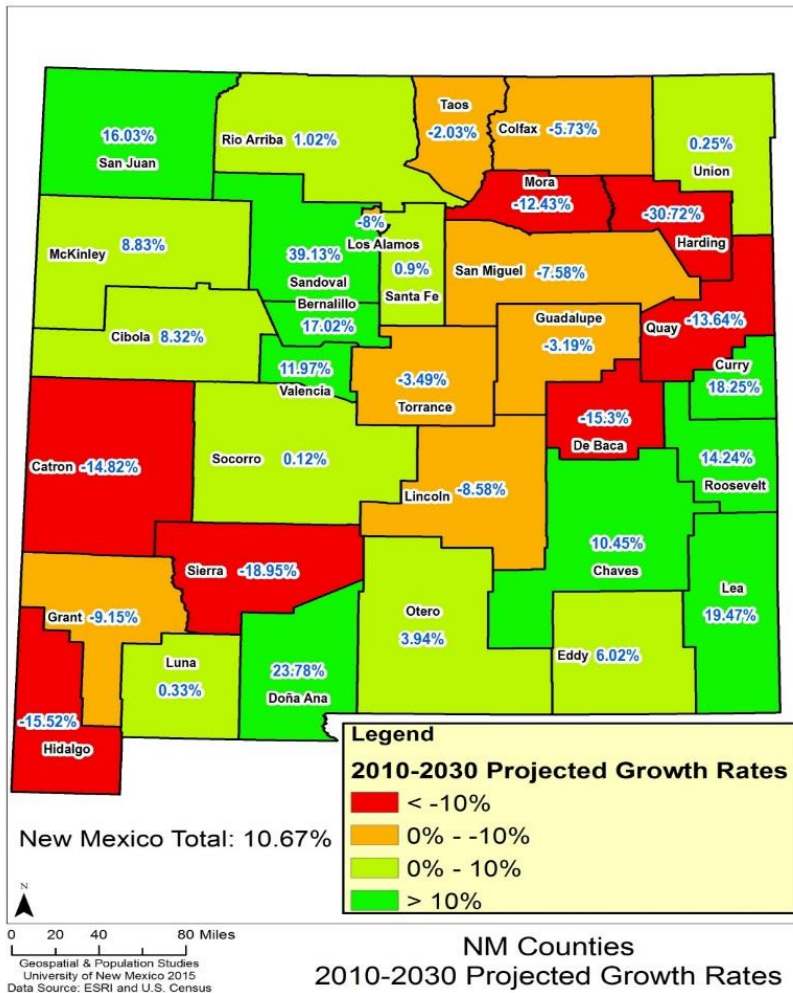
GPS Projections

- **County Level**
- **Five-Year Intervals**
- **Five-Year Cohorts**
- **Updated Every 2-3 Years**
- **Cohort Component Method**
- **Assumptions:**
 - **Age Specific Survival Rates**
 - **Age Specific Fertility Rates**
 - **Age Specific Migration Rates**

GPS Projection Results

- * **Modest Statewide Growth Projected**
 - * 2.4 millions by 2040
- * **Considerably less than 2012 Projections**
- * **38.5% growth observed from 1990-2015**
- * **14.4% growth projected from 2015-2040**

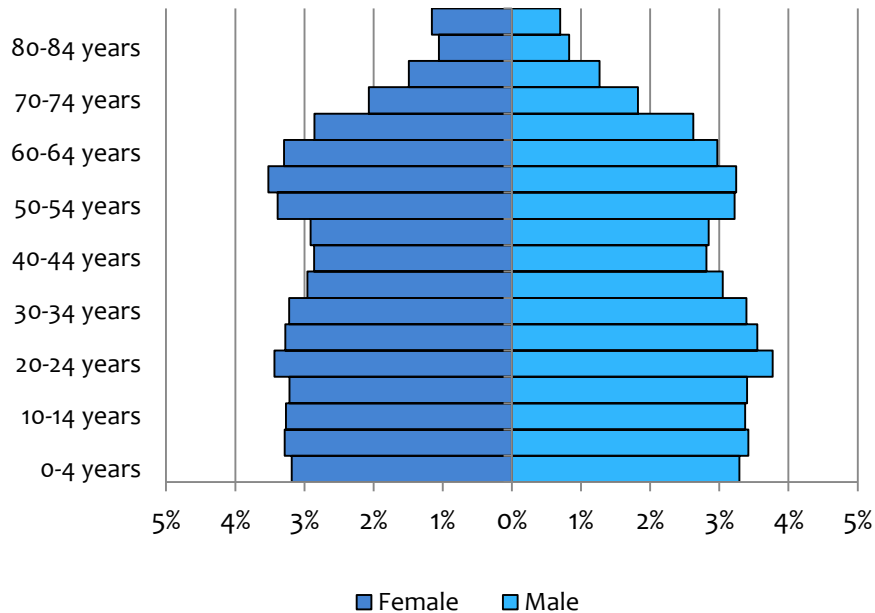
Geographic Distribution of Projected Growth



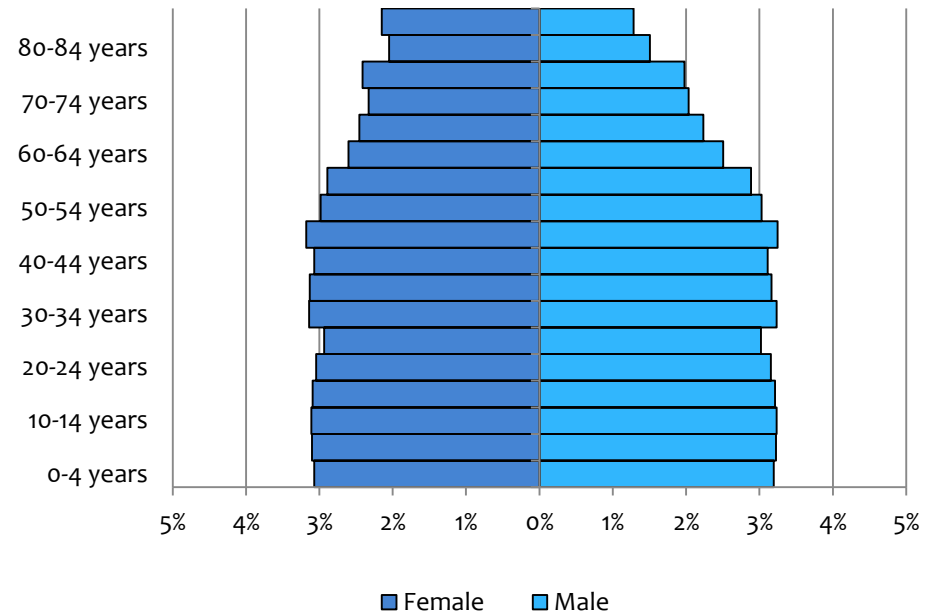
- * Growth concentrated in Metro Areas and the Southeast
- * Continuing decline in population for most rural counties

Age/Sex Distribution 2015 & 2040

2015



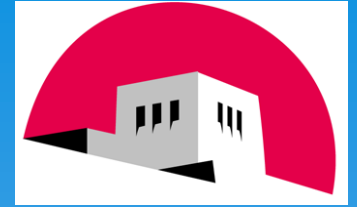
2040



Projections Conclusion

- Data available at gps.unm.edu
- Slow growth through 2020
- High in-migration and growth rates from previous decades wont return soon*
- * Projections will be revisited in 2018
 - * Likely to be revised downward
- * Continued out-migration will lower projections further

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Questions or Comments???

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