

6. 2050 MTP POPULATION PROJECTIONS

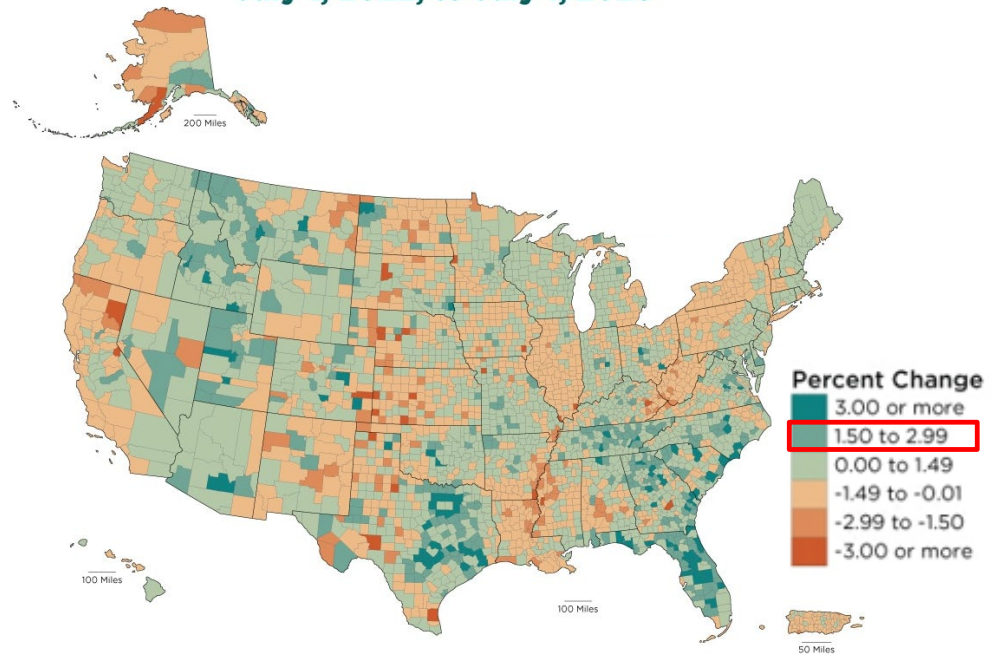
Jessica Omoregie, Ph.D. –
AEDI Demographer

Cohort Component Method

aedi
Arkansas Economic
Development Institute



Percent Change in County Population: July 1, 2022, to July 1, 2023

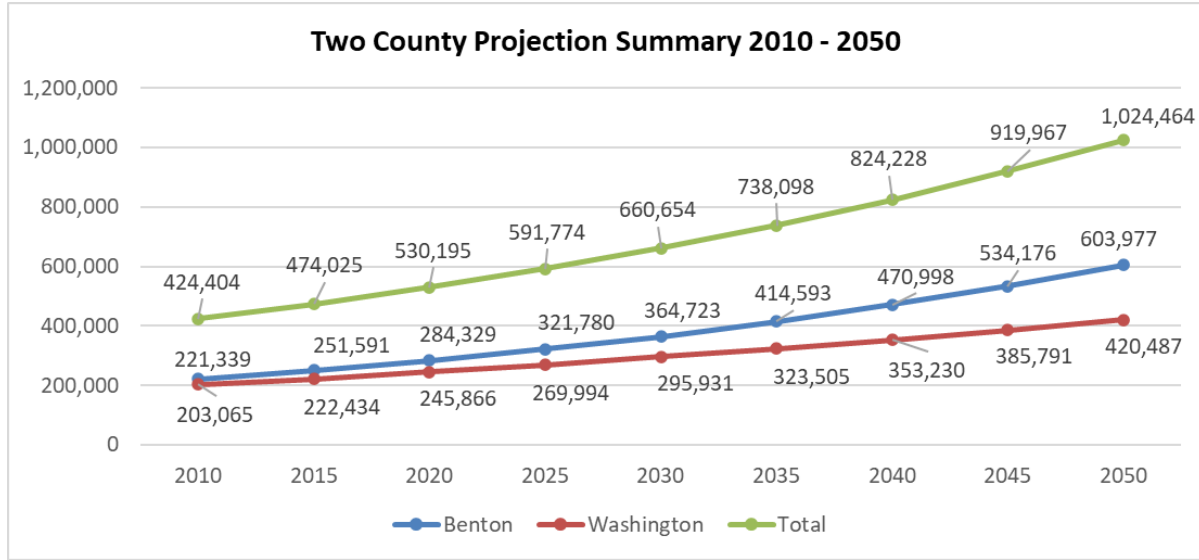


United States®
Census
Bureau

U.S. Department of Commerce
U.S. CENSUS BUREAU
[census.gov](https://www.census.gov)

Source: Vintage 2023 Population Estimates

AEDI Population Projections for NWA - Cohort Component Model									
Year	2010	2015	2020	2025	2030	2035	2040	2045	2050
Benton	221,339	251,591	284,329	321,780	364,723	414,593	470,998	534,176	603,977
Washington	203,065	222,434	245,866	269,994	295,931	323,505	353,230	385,791	420,487
Total	424,404	474,025	530,195	591,774	660,654	738,098	824,228	919,967	1,024,464



Average Annual Growth Rates – Past and Future

Decennial Census - Two County Region												
1990	2000	1990 to 2000			2010	2000 to 2010			2020	2010 to 2020		
		Numeric	%	AAGR		Numeric	%	AAGR		Numeric	%	AAGR
210,908	311,121	100,213	47.52%	3.96%	424,404	113,283	36.41%	3.15%	530,204	105,800	24.93%	2.25%
		Growth/year				Growth/year				Growth/year		
		10,021				11,328				10,580		
		Growth/Day				Growth/Day				Growth/Day		
		27.46				31.04				28.99		

AEDI - Projection - Two County Region												
2020	2030	2020 to 2030			2040	2030 to 2040			2050	2040 to 2050		
		Numeric	%	AAGR		Numeric	%	AAGR		Numeric	%	AAGR
530,204	660,654	130,450	24.60%	2.22%	824,228	163,574	24.76%	2.24%	1,024,464	200,236	24.29%	2.20%
		Growth/year				Growth/year				Growth/year		
		13,045				16,357				20,024		
		Growth/Day				Growth/Day				Growth/Day		
		35.74				44.81				54.86		

**Largest-Gaining U.S. Metro Areas:
July 1, 2022–July 1, 2023**

Rank	Metro area	Numeric change
1	Dallas-Fort Worth-Arlington, TX	152,598
2	Houston-Pasadena-The Woodlands, TX	139,789
3	Atlanta-Sandy Springs-Roswell, GA	68,585
4	Orlando-Kissimmee-Sanford, FL	54,916
5	Tampa-St. Petersburg-Clearwater, FL	51,622
6	Charlotte-Concord-Gastonia, NC-SC	50,458
7	Austin-Round Rock-San Marcos, TX	50,105
8	Phoenix-Mesa-Chandler, AZ	49,240
9	San Antonio-New Braunfels, TX	48,071
10	Miami-Fort Lauderdale-West Palm Beach, FL	43,387

**Fastest-Growing U.S. Metro Areas:
July 1, 2022–July 1, 2023**

Rank	Metro area	Percent change
1	Wildwood-The Villages, FL	4.7
2	Lakeland-Winter Haven, FL	3.8
3	Myrtle Beach-Conway-North Myrtle Beach, SC	3.7
4	Ocala, FL	3.4
5	Port St. Lucie, FL	3.1
6	Hinesville, GA	2.9
7	Midland, TX	2.9
8	Spartanburg, SC	2.9
9	Wilmington, NC	2.8
10	Daphne-Fairhope-Foley, AL	2.8

Source: U.S. Census Bureau, Vintage 2023 Population Estimates.

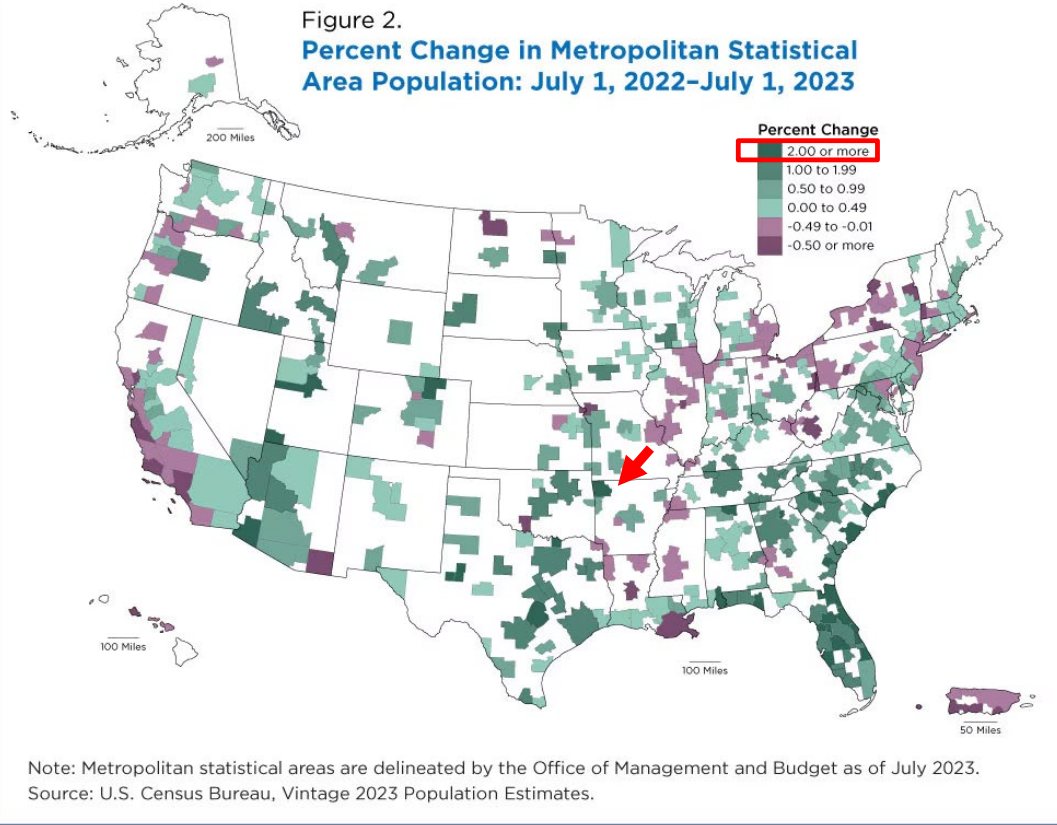
AEDI NWA Projections		
	Avg Numeric Growth	AAGR
2020 - 2030	13,045	2.22%
2030 - 2040	16,357	2.24%
2040 - 2050	20,024	2.20%



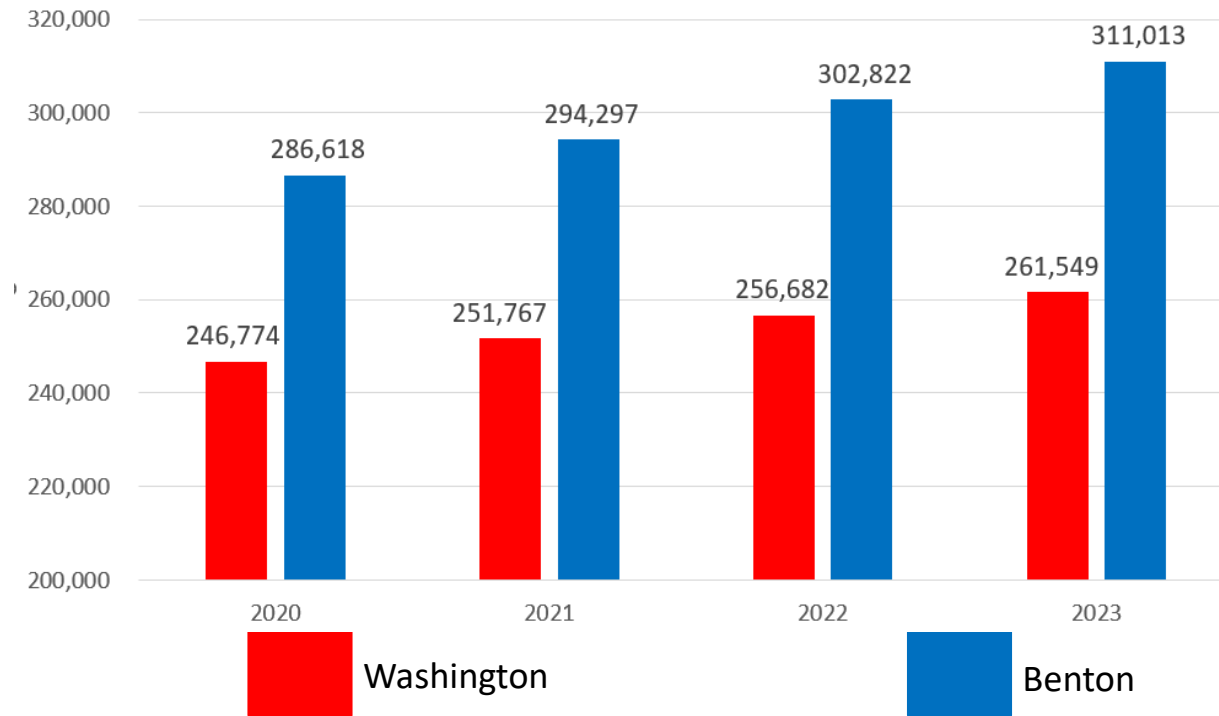
**Fayetteville-Springdale-
Rogers Metropolitan
Statistical Area (MSA)**

**Benton, Madison, and
Washington Counties**

Figure 2.
**Percent Change in Metropolitan Statistical
Area Population: July 1, 2022–July 1, 2023**



Washington & Benton County Census Population Estimates since 2020



Census Estimates (2020 - 2023)		
	Total Growth 2020-2023	Average growth per year
Washington County	14,775	4,925
Benton County	24,395	8,132
Total	39,170	13,057

AEDI 2050 Model (2020 - 2025)		
	Total Growth 2020 - 2025	Average growth per year
Washington County	25,937	5,187
Benton County	37,451	7,490
Total	63,388	12,678

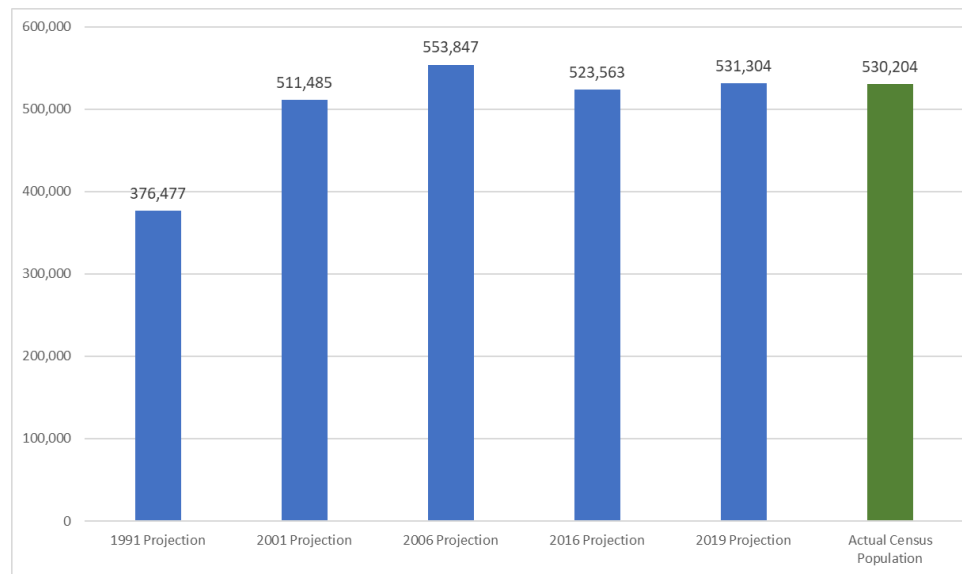
Takeaway: AEDI Model is “on track” through three years after the 2020 census

How do the 2019 & 2024 projections compare?

AEDI 2045 Model - Completed in 2019										
	2005	2010	2015	2020	2023 Census Estimates	2025	2030	2035	2040	2045
Benton	186,756	221,339	251,016	285,496	311,013	324,208	368,740	420,139	478,857	545,893
Washington	183,796	203,065	223,851	245,808	261,549	270,105	300,967	337,270	379,426	428,382
Total	370,552	424,404	474,867	531,304	572,562	594,313	669,707	757,409	858,283	974,275
AEDI 2050 Model - Completed in 2024										
	2010	2015	2020	2023 Census Estimates	2025	2030	2035	2040	2045	2050
Benton	221,339	251,591	284,329	311,013	321,780	364,723	414,593	470,998	534,176	603,977
Washington	203,065	222,434	245,866	261,549	269,994	295,931	323,505	353,230	385,791	420,487
Total	424,404	474,025	530,195	572,562	591,774	660,654	738,098	824,228	919,967	1,024,464

Amount by which 2019 model is higher than 2024 model	2025	2030	2035	2040	2045
	2,539	9,053	19,311	34,055	54,308

ANALYSIS OF YEAR 2020 PROJECTIONS – TWO COUNTY TO 2020 DECENNIAL CENSUS (FIVE PROJECTIONS - 1991 – 2001 – 2006 – 2016 - 2019)



Population Projections Summary

County Cohort Component Model

Source: Arkansas Economic Development Institute (AEDI), 2024

		2010	2015	2020	2025	2030	2035	2040	2045	2050
Benton, AR	Non-Hispanic Black	2,660	4,141	5,343	7,487	10,485	14,736	20,414	28,089	38,209
	Hispanic	34,283	40,787	49,097	58,481	69,696	82,911	97,669	113,738	131,338
	Non-Hispanic Other	14,512	19,473	25,326	32,263	40,819	51,887	65,828	82,902	102,071
	Non-Hispanic White	169,884	187,190	204,563	223,549	243,723	265,059	287,087	309,447	332,359
	Total	221,339	251,591	284,329	321,780	364,723	414,593	470,998	534,176	603,977

		2010	2015	2020	2025	2030	2035	2040	2045	2050
Washington, AR	Non-Hispanic Black	5,859	7,108	8,594	10,382	12,400	14,566	17,100	20,062	23,425
	Hispanic	31,458	36,746	42,436	49,068	56,818	65,588	75,299	85,501	96,435
	Non-Hispanic Other	14,991	18,860	22,704	27,600	33,323	39,989	48,537	58,016	68,895
	Non-Hispanic White	150,757	161,720	172,132	182,944	193,390	203,362	212,294	222,212	231,732
	Total	203,065	224,434	245,866	269,994	295,931	323,505	353,230	385,791	420,487

		2010	2015	2020	2025	2030	2035	2040	2045	2050
Two-County	Benton, AR	221,339	251,591	284,329	321,780	364,723	414,593	470,998	534,176	603,977
	Washington, AR	203,065	222,434	245,866	269,994	295,931	323,505	353,230	385,791	420,487
	Total	424,404	474,025	530,195	591,774	660,654	738,098	824,228	919,967	1,024,464

YEAR 2050

1 MILLION PEOPLE - 3 LAND USE PATTERNS/GROWTH SCENARIOS

FIGURE 2 FDOT CONTEXT CLASSIFICATIONS

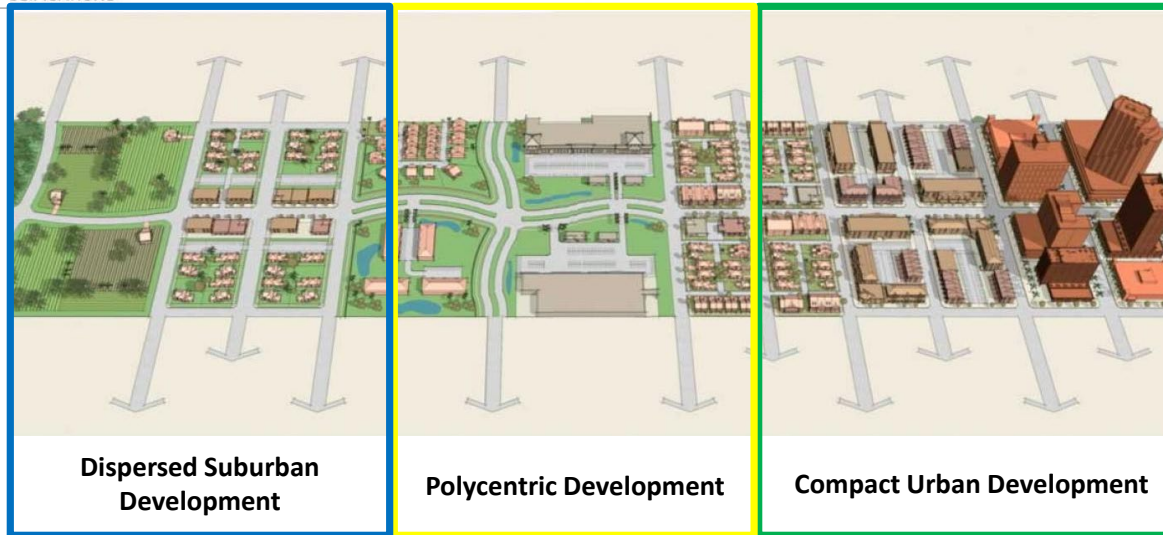


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YEAR 2050

1 MILLION PEOPLE - 3 LAND USE PATTERNS/GROWTH SCENARIOS

CLASSIFICATIONS



**Dispersed Suburban
Development**

Polycentric Development

Compact Urban Development

https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/roadway/completestreets/files/fdot-completestreets-brochure.pdf?sfvrsn=b7c1dd93_4