

**Population Trends  
and  
Projected Population Growth  
in  
West Tennessee Counties  
1970 to 2020**



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## Executive Summary

- West Tennessee's total population experienced a lower rate of growth from 1990 to 2000 than the State of Tennessee, the East South Central Division, the Southern Region, or the U.S. populations.
- Tennessee's share of the total U.S. population increased slightly between 1990 and 2000. West Tennessee's share of Tennessee declined slightly between 1990 and 2000. The Tennessee Hispanic population's share of the U.S. Hispanic population more than tripled as did the West Tennessee Hispanic population's share of the State of Tennessee. The Tennessee Hispanic 2000 population counts already exceed 2010 projections. For this reason, a constant share method was chosen to arrive at total population and population by race projections for the State of Tennessee and the 21 West Tennessee counties as a geographic area.
- Tennessee's 2000 population of 5.7 million is projected to grow to 6.1 million by 2010 and 6.5 million by 2020. The white population's share of Tennessee's total population is projected to decline from 80% in 2000 to 75% in 2010 with slight gains occurring in the black population, but more significant gains in the Hispanic/Latino and all other racial groups.
- West Tennessee's total population of 1.5 million is projected to reach 1.6 million by 2010 and 1.7 million by 2020. Historically, West Tennessee counties as a total population have experienced 10%, 3.5% and 10% growth rates for each ten-year interval of data from 1970 to 2000. The projections arrived at in this paper take into account these past trends and project growth rates of 7% from 2000 to 2010 and 8% from 2010 to 2020 for the total West Tennessee geographic area.
- Four alternatives were provided for each county presenting high and low projections with an average alternative. The high projections included population by race data for 1990 and 2000 only, while the low projections include 1970, 1980, 1990 and 2000 data.
- For the population by race section, the West Tennessee population projections from Table 4 were used and again the total population for each county was viewed as a share of the total population of West Tennessee. The racial shares within each county were also projected and applied to each county's total population projection for 2010 and 2020.
- Shelby County with 60% of the total population is the predominant population center for West Tennessee. Madison County is the next most populated. Tipton County is experiencing significant growth as a result of in-migration from Shelby County. All other counties are predominantly rural and are for the most part experiencing growth.

## **Population Trends and Projected Population Growth in West Tennessee Counties**

### *Purpose*

The purpose of this paper is to examine past population trends by total population and population by race for West Tennessee Counties, specifically those counties West of the Tennessee River, with the goal of projecting four alternative future populations for 2010 and 2020.

### *Scope*

The scope of the paper takes into account four intervals of census data from 1970 to 2000 and projects the total population of this 21 county area and also the populations of each individual county to 2010 and 2020. For the racial composition, two intervals of data, 1990 and 2000, were used to project 2010 and 2020 populations by race. The scope is limited in that it relies exclusively on past population and racial trends, which are not always indicative of future trends. Further evaluation of population and other social and economic indicators can be provided on an individual county basis.

### *Methodology*

Using extrapolation and share methods for projections, four alternatives projections were developed for the total populations of individual counties. The extrapolation techniques used linear and exponential growth trend-lines for each county using both total population and population by race. These county projections were then summed to arrive at a total population for all counties combined.

The constant share method used national and state data to arrive at a total population for all counties combined. Then each county's share of the total population within the 21-county population over the four intervals (1970 – 2000) was calculated, projected to 2010 and 2020, and applied to the total West Tennessee population projections.

As mentioned in the scope, the racial composition projections incorporated only 1990 and 2000 census data. The total population of each county was broken down into four racial categories: white, black, Hispanic/Latino (of any race), and other racial groups. Each racial group's population was then projected to 2010 and 2020. The projected populations by race were then summed to arrive at total population projections.

For population by race projections, total population projections were arrived at using the share method and then individual racial shares of each county were projected and applied to individual county projections.

*West Tennessee Population Growth Compared to Larger Geographic Areas*

Several larger geographic areas were examined in the context of population growth to begin to formulate a plan to project the populations of these individual counties in West Tennessee. Table 1 summarizes total population, racial composition and growth from 1990 to 2000 for the United States, its four Regions, the three Divisions of the Southern Region, the State of Tennessee and, finally, the 21 West Tennessee

**Table 1: Nation, Region, Division, State and West Tennessee Populations, 1990 and 2000**

| <b>Geographic Area</b>   | <b>Total Population</b> | <b>White Population</b> | <b>Black Population</b> | <b>Hispanic Population (Includes all Races)</b> | <b>Other Racial Groups (Non-Hispanic)</b> |
|--|-------------------------|-------------------------|-------------------------|---|---|
| United States 1990 Census  | 248,709,873             | 188,128,296             | 29,216,293              | 22,354,059                                      | 9,011,225                                 |
| South Region 1990 Census   | 83,652,453              | 59,640,306              | 15,598,480              | 6,758,532                                       | 1,655,135                                 |
| East South Central Division 1990 Census                            | 15,176,284              | 11,990,018              | 2,965,889               | 95,285  | 125,092                                   |
| Tennessee 1990 Census  | 4,877,185               | 4,027,631               | 774,925                 | 32,741  | 41,888                                    |
| Total West Tennessee Population 1990 Census                        | 1,359,225               | 874,972                 | 463,607                 | 9,200   | 11,446                                    |
| United States 2000 Census  | 281,421,906             | 194,552,774             | 33,947,837              | 35,305,818                                      | 17,615,477                                |
| South Region 2000 Census   | 100,236,820             | 65,927,794              | 18,766,614              | 11,586,696                                      | 3,955,716                                 |
| East South Central Division 2000 Census                            | 17,023,110              | 12,967,670              | 3,400,392               | 299,176   | 355,872                                   |
| Tennessee 2000 Census  | 5,689,583               | 4,505,930               | 928,204                 | 123,838   | 131,611                                   |
| Total West Tennessee Population 2000 Census                        | 1,499,802               | 882,750                 | 552,040                 | 31,830  | 33,182                                    |
| Actual % Change 1990-2000 US                                       | <b>13.15%</b>           | <b>3.41%</b>            | <b>16.19%</b>           | <b>57.94%</b>                                   | <b>95.48%</b>                             |
| Actual % Change 1990-2000 South Region                             | <b>19.83%</b>           | <b>10.54%</b>           | <b>20.31%</b>           | <b>71.44%</b>                                   | <b>139.00%</b>                            |
| Actual % Change 1990-2000 E South Central Division                 | <b>12.17%</b>           | <b>8.15%</b>            | <b>14.65%</b>           | <b>213.98%</b>                                  | <b>184.49%</b>                            |
| Actual % Change 1990-2000 Tennessee                                | <b>16.66%</b>           | <b>11.88%</b>           | <b>19.78%</b>           | <b>278.24%</b>                                  | <b>214.20%</b>                            |
| Actual % Change 1990-2000 West Tennessee Counties                  | <b>10.34%</b>           | <b>0.89%</b>            | <b>19.07%</b>           | <b>245.98%</b>                                  | <b>189.90%</b>                            |
| United States 2000 Projection                                      | <b>275,306,000</b>      | <b>196,669,000</b>      | <b>33,490,000</b>       | <b>32,478,000</b>                               | <b>12,669,000</b>                         |
| Tennessee 2000 Projection  | <b>5,657,161</b>        | <b>4,607,340</b>        | <b>925,022</b>          | <b>57,669</b>                                   | <b>67,130</b>                             |
| Projected % Change 1990-2000 US (Census)                           | <b>10.69%</b>           | <b>4.54%</b>            | <b>14.63%</b>           | <b>45.29%</b>                                   | <b>40.59%</b>                             |
| Projected % Change 1990-2000 TN (Census)                           | <b>15.99%</b>           | <b>14.39%</b>           | <b>19.37%</b>           | <b>76.14%</b>                                   | <b>60.26%</b>                             |
| Percentage Points over(+) /under( - ) Census Projections US        | <b>2.46%</b>            | <b>-1.12%</b>           | <b>1.57%</b>            | <b>12.65%</b>                                   | <b>54.89%</b>                             |
| Percentage Points over(+) /under( - ) Census Projections Tennessee | <b>0.66%</b>            | <b>-2.52%</b>           | <b>0.41%</b>            | <b>202.10%</b>                                  | <b>153.94%</b>                            |

Note: The US is divided into four Regions: West, Midwest, South, and Northeast

The South Region consists of the following 16 states:

AL, AR, DC, DE, FL, GA, KY, LA, MD, MS, NC, OK, SC, TN, TX, and VA

The South Region consists of three Divisions: West South Central, East South Central, South Atlantic

The East South Central Division consists of four States: KY, TN, MS, AL

Source: United States Bureau of the Census, 1990 and 2000, and US Census Series A Projections for 2000.

Counties as a total population. Table 1 also provides national and state level projections for 2000 and then compares those projections to actual 2000 census data and reveals that West Tennessee grew more slowly than any other geographic area examined. A reason for this may be the loss of Shelby County population to Desoto County, Mississippi through out-migration (Redding, 2000). Shelby County comprises almost two thirds of the West Tennessee counties' total population.

Table 1 also reveals significant change in racial composition from 1990 to 2000 with slower growth in the white population and significant growth in the black population, Hispanic or Latino population, and the combined population of all other races. The latter growth may be attributed to more choices being available on the census forms.

The smallest percentage change in population growth in Table 1 was a less than 1 per cent change in the white population in the 21 West Tennessee counties. The greatest percentage change in population growth was Tennessee's Hispanic population with a 278% growth rate from 1990 to 2000.

Table 2 provides the share of total population and share by race that each geographic area or racial group had within its larger geographic area in 1990 and in 2000. The State of Tennessee showed a slight gain in population share within the United States. While the 21 West Tennessee counties as a geographic area experienced a slight loss in population share within the State of Tennessee. The white population's

**Table 2: State and West Tennessee County Shares of Nation and State Populations, 1990 and 2000**

| <b>Geographic Area</b>                       | <b>Total Population</b> | <b>White Population</b> | <b>Black Population</b> | <b>Hispanic Population (Includes all Races)</b> | <b>Other Racial Groups (Non-Hispanic)</b> |
|--|-------------------------|-------------------------|-------------------------|---|---|
| United States 1990 Census                    | 248,709,873             | 188,128,296             | 29,216,293              | 22,354,059                                      | 9,011,225                                 |
| Tennessee 1990 Census                        | 4,877,185               | 4,027,631               | 774,925                 | 32,741  | 41,888                                    |
| West Tennessee Counties 1990 Census          | 1,359,225               | 874,972                 | 463,607                 | 9,200   | 11,446                                    |
| United States 2000 Census                    | 281,421,906             | 194,552,774             | 33,947,837              | 35,305,818                                      | 17,615,477                                |
| Tennessee 2000 Census                        | 5,689,583               | 4,505,930               | 928,204                 | 123,838   | 131,611                                   |
| West Tennessee Counties 2000 Census          | 1,499,802               | 882,750                 | 552,040                 | 31,830  | 33,182                                    |
| TN Share of US Population 1990               | 1.96%                   | 1.62%                   | 0.31%                   | 0.01%   | 0.02%                                     |
| TN Share of US Population 2000               | 2.02%                   | 1.60%                   | 0.33%                   | 0.04%   | 0.05%                                     |
| West TN Counties Share of TN Population 1990 | 27.87%                  | 17.94%                  | 9.51%                   | 0.19%   | 0.23%                                     |
| West TN Counties Share of TN Population 2000 | 26.36%                  | 15.52%                  | 9.70%                   | 0.56%   | 0.58%                                     |

Source: U.S. Census, 1990 and 2000

share in both cases slightly declined while all other groups had gains, specifically the Hispanic population, which quadrupled its share of the U.S. population within Tennessee and almost tripled its share of the Tennessee population in the 21 West Tennessee counties.

*Projecting Tennessee's Total Population Using Constant Share and Population by Race Using Forecasted Shares*

Tables 1 and 2 identified population trends in the West Tennessee geographic area and several larger geographies surrounding West Tennessee. West Tennessee is a slower growing area with a changing racial composition.

The next step in this paper is to arrive at projections for Tennessee's total population and population by race (See Table 3). The constant share method was used to arrive at projections for Tennessee's total population. U.S. Bureau of the Census projections for the Nation and the State were obtained, but the State

**Table 3: National and State Population Projections for 2010 and 2020**

| <b>Geographic Area</b>   | <b>Total Population</b> | <b>White Population</b> | <b>Black Population</b> | <b>Hispanic Population (Includes all Races)</b> | <b>Other Racial Groups (Non-Hispanic)</b> |
|--|-------------------------|-------------------------|-------------------------|---|---|
| United States 2010 Projection  | 299,861,000             | 201,956,000             | 37,482,000              | 43,687,000                                      | 16,736,000                                |
| United States 2020 Projection  | 324,926,000             | 207,145,000             | 41,548,000              | 55,156,000                                      | 21,077,000                                |
| Projected Shares of U.S. Population by Race 2010                                     | 100.00%                 | 67.35%                  | 12.50%                  | 14.57%  | 5.58%                                     |
| Projected Shares of U.S. Population by Race 2020                                     | 100.00%                 | 63.75%                  | 12.79%                  | 16.97%  | 6.49%                                     |
| Tennessee 2010 Published Projection (Census)   | 6,180,274               | 4,968,978               | 1,051,228               | 75,246  | 84,822                                    |
| Tennessee 2020 Published Projection (Census)   | 6,528,653               | 5,173,696               | 1,163,424               | 92,726  | 98,807                                    |
| Projected Shares of Tennessee Population by Race 2010                                | 100.00%                 | 80.40%                  | 17.01%                  | 1.22%   | 1.37%                                     |
| Projected Shares of Tennessee Population by Race 2020                                | 100.00%                 | 79.25%                  | 17.82%                  | 1.42%   | 1.51%                                     |
| <b>Actual Shares of Tennessee Population by Race 1990</b>                            | 100.00%                 | 82.58%                  | 15.89%                  | 0.67%   | 0.86%                                     |
| <b>Actual Shares of Tennessee Population by Race 2000</b>                            | 100.00%                 | 79.20%                  | 16.31%                  | 2.18%   | 2.31%                                     |
| <b>Projected Share of Tennessee Population by Race 2010</b>                          | 100.00%                 | 75.81%                  | 16.74%                  | 3.68%   | 3.77%                                     |
| <b>Projected Share of Tennessee Population by Race 2020</b>                          | 100.00%                 | 72.43%                  | 17.16%                  | 5.19%   | 5.22%                                     |
| Projected 2010 Population TN Using 2000 Constant Share and Forecasted Shares by Race | 6,062,371               | 4,595,957               | 1,014,805               | 223,207   | 228,402                                   |
| Projected 2020 Population TN Using 2000 Constant Share and Forecasted Shares by Race | 6,569,117               | 4,757,768               | 1,127,571               | 340,747   | 343,030                                   |

- Notes: 1) Projected 2010 and 2020 Populations were developed using 2000 US Census data for the State as a constant share of US Census projections.  
 2) The projection for the Hispanic race in TN was significantly lower than the actual 2000 population, therefore, to project race for 2010 and 2020, shares for 1990 and 2000 were projected.  
 3) Population projections by race for West TN Counties were based upon projected shares from 1990 and 2000 data of total West TN population.

Source: U.S. Bureau of the Census, 1990 and 2000.

projections were not used for total population or the populations of each race. Instead, projections for the total population of Tennessee were derived keeping the share of Tennessee's population within the U.S. constant at 2.02 per cent. Racial projections were developed using 1990 and 2000 shares of the state's population by race. Racial shares were projected to 2010 and 2020 and applied to the Tennessee projected 2010 and 2020 populations. Table 3 shows the published national and state projections from the U.S. Bureau of the Census and the resultant projections derived using the methodologies described.

As stated earlier, shares by race were projected to 2010 and 2020 based upon 1990 and 2000 census data shares by race. Published Census projections were not used because the actual 2000 Census counts for the Hispanic or Latino population in Tennessee was 200 percentage points over the year 2000 published estimate (See Table 1). Until this new population becomes more established in this region, the data available is the only predictor of future populations.

*Projecting West Tennessee's 21-County Area Using 2000 Constant Share and Forecasted Shares by Race*

The next step in the paper is to arrive at total population projections for West Tennessee as a geographic area. Table 2 revealed that the West Tennessee population comprised roughly 26 per cent of the state population in 2000. Keeping this share constant and applying it to the projections for the state in Table 3 yields a projection of almost 1.6 million in 2010 and over 1.7 million in 2020. Table 4 presents the

**Table 4: Population Projections by Race for West Tennessee Counties, 2010 and 2020**

| <b>Geographic Area</b>   | <b>Total Population</b> | <b>White Population</b> | <b>Black Population</b> | <b>Hispanic Population (Includes all Races)</b> | <b>Other Racial Groups (Non-Hispanic)</b> |
|--|-------------------------|-------------------------|-------------------------|---|---|
| Projected 2010 Population TN Using 2000 Constant Share and Forecasted Shares by Race                           | 6,062,371               | 4,595,957               | 1,014,805               | 223,207   | 228,402                                   |
| Projected 2020 Population TN Using 2000 Constant Share and Forecasted Shares by Race                           | 6,569,117               | 4,757,768               | 1,127,571               | 340,747   | 343,030                                   |
| West Tennessee Counties 1990 Census  | 1,359,225               | 874,972                 | 463,607                 | 9,200   | 11,446                                    |
| West Tennessee Counties 2000 Census  | 1,499,802               | 882,750                 | 552,040                 | 31,830  | 33,182                                    |
| <b>Actual Shares of West Tennessee Population by Race 1990</b>   | <b>100.00%</b>          | <b>64.37%</b>           | <b>34.11%</b>           | <b>0.68%</b>                                    | <b>0.84%</b>                              |
| <b>Actual Shares of West Tennessee Population by Race 2000</b>   | <b>100.00%</b>          | <b>58.86%</b>           | <b>36.81%</b>           | <b>2.12%</b>                                    | <b>2.21%</b>                              |
| <b>Projected Share of West Tennessee Population by Race 2010</b>   | <b>100.00%</b>          | <b>53.34%</b>           | <b>39.51%</b>           | <b>3.57%</b>                                    | <b>3.58%</b>                              |
| <b>Projected Share of West Tennessee Population by Race 2020</b>   | <b>100.00%</b>          | <b>47.83%</b>           | <b>42.21%</b>           | <b>5.01%</b>                                    | <b>4.95%</b>                              |
| <b>Projected 2010 Population West TN Ctys Using 2000 Constant Share* and Projected Share for Racial Groups</b> |                         |                         |                         |   |   |
| Projected 2010 Population West TN Ctys Using 2000 Constant Share* and Projected Share for Racial Groups        | 1,598,071               | 852,454                 | 631,348                 | 57,014  | 57,255                                    |
| <b>Projected 2020 Population West TN Ctys Using 2000 Constant Share* and Projected Share for Racial Groups</b> |                         |                         |                         |   |   |
| Projected 2020 Population West TN Ctys Using 2000 Constant Share* and Projected Share for Racial Groups        | 1,731,651               | 828,207                 | 730,864                 | 86,810  | 85,770                                    |

Note: \*See Table 2 for West Tennessee Counties share of Tennessee population in 2000.

Source: U.S. Bureau of the Census, 1990 and 2000.

projected State of Tennessee populations arrived at in Table 3 for 2010 and 2020, the actual 1990 and 2000 census counts for West Tennessee counties, the shares of racial groups in West Tennessee in 1990 and 2000, and projected shares of racial groups in West Tennessee for 2010 and 2020. Table 4 then provides projections for West Tennessee Counties' total population and population by race for 2010 and 2020. After arriving at projections for the total population and racial groups within this population, the next step is to examine individual counties within the West Tennessee geographic area. The next sections will review past trends, offer reasons for the trends, and project these trends to 2010 and 2020.

*Past Population Trends of Individual Counties within West Tennessee*

Table 5 provides past populations of the 21 counties included in the West Tennessee Study Area from 1970 to 2000. The final column shows the percentage change or growth in total population that occurred during those 30 years.

**Table 5: West Tennessee County Populations 1970 - 2000 and Percentage Change 1970 - 2000**

| <b>West Tennessee Counties</b>  | <b>Total Population 1970</b> | <b>Total Population 1980</b> | <b>Total Population 1990</b> | <b>Total Population 2000</b> | <b>Percentage Change 1970-2000</b> |
|---------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------------|
| Benton                          | 12,126                       | 14,901                       | 14,524                       | 16,537                       | 36%                                |
| Carroll                         | 25,741                       | 28,285                       | 27,514                       | 29,475                       | 15%                                |
| Chester                         | 9,927                        | 12,727                       | 12,819                       | 15,540                       | 57%                                |
| Crockett                        | 14,402                       | 14,941                       | 13,378                       | 14,532                       | 1%                                 |
| Decatur                         | 9,457                        | 10,857                       | 10,472                       | 11,731                       | 24%                                |
| Dyer                            | 30,427                       | 34,663                       | 34,854                       | 37,279                       | 23%                                |
| Fayette                         | 22,692                       | 25,305                       | 25,559                       | 28,806                       | 27%                                |
| Gibson                          | 47,871                       | 49,467                       | 46,315                       | 48,152                       | 1%                                 |
| Hardeman                        | 22,435                       | 23,873                       | 23,377                       | 28,105                       | 25%                                |
| Hardin                          | 18,212                       | 22,280                       | 22,633                       | 25,578                       | 40%                                |
| Haywood                         | 19,596                       | 20,318                       | 19,437                       | 19,797                       | 1%                                 |
| Henderson                       | 17,291                       | 21,390                       | 21,844                       | 25,522                       | 48%                                |
| Henry                           | 23,749                       | 28,656                       | 27,888                       | 31,115                       | 31%                                |
| Lake                            | 7,896                        | 7,455                        | 7,129                        | 7,954                        | 1%                                 |
| Lauderdale                      | 20,271                       | 24,555                       | 23,491                       | 27,101                       | 34%                                |
| Madison                         | 65,727                       | 74,546                       | 77,982                       | 91,837                       | 40%                                |
| McNairy                         | 18,369                       | 22,525                       | 22,422                       | 24,653                       | 34%                                |
| Obion                           | 29,936                       | 32,781                       | 31,717                       | 32,450                       | 8%                                 |
| Shelby                          | 722,014                      | 777,113                      | 826,330                      | 897,472                      | 24%                                |
| Tipton                          | 28,001                       | 32,930                       | 37,568                       | 51,271                       | 83%                                |
| Weakley                         | 28,827                       | 32,896                       | 31,972                       | 34,895                       | 21%                                |
| <b>Total West TN Population</b> | <b>1,194,967</b>             | <b>1,312,464</b>             | <b>1,359,225</b>             | <b>1,499,802</b>             | <b>26%</b>                         |

Source: US Bureau of the Census, 1970-2000 and US Census National Projections 2010 and 2020.

Five counties experienced growth greater than or equal to 40% from 1970 to 2000. Chester (57%), Hardin (40%), Henderson (48%), Madison (40%), and Tipton (83%) all fall within this category. Hardin and Henderson are smaller, more rural counties with populations subject to economic expansion or contraction. These two counties did not experience growth from 1980 to 1990. Chester County is similar, but benefits from its proximity to Madison County. Madison County, which is becoming a significant population center with a more diverse economic base, experienced steady growth in all intervals. Tipton County with its proximity to Memphis receives the outward movement of residents relocating out of the City of Memphis and Shelby County (Redding, 2000).

Four counties grew from 30% to 40%. Benton (36%), Henry (31%), Lauderdale (34%), and McNairy (34%) all experienced population losses in the 1980s but rebounded in the 1990s. Again, these are more rural counties and residents do not have access to larger markets for work in an economic slowdown. Lauderdale's population growth in the 1990s is partially attributed to group quarters.

Six counties grew from 20% to 30% from 1970 to 2000. Decatur (24%), Dyer (23%), Fayette (27%), Hardeman (25%), Shelby (24%), and Weakley (21%) all fit into this category but for different reasons. Decatur, Hardeman and Weakley counties lost population during the 1980s. Hardeman's population rebounded because of new prison facilities with a large group quarters population. Decatur, especially, and Weakley are rural counties with small populations. Weakley County may receive a new prison facility, which, if this occurs, will increase its population for 2010 in excess of the projections put forth in this paper. Fayette County is poised for more population growth with its proximity to Eastern Shelby County. Its growth from 1990 to 2000 was somewhat offset by losses in the African American population.

Dyer County with its access to I-55 via 155 did not lose population in the 1980s as many rural counties did, but neither did it grow. Its population rebounded in the 1990s and with I-69 paralleling Highway 51, Dyersburg may experience a significant economic impact, essentially by becoming more of a crossroads with its linkages to I-40 via 412 to the east, I-55 via 155 to the west, and now immediate proximity to I-69.

Shelby County's growth as noted earlier is offset by out-migration to Desoto County, Mississippi, Tipton County, and Fayette County. Growth in Shelby County specifically from 1990 to 2000 can be attributed to the African American population with its growth rate of 21%. The 1970s until the mid 1980s was the exodus from Memphis. Now that Shelby County is "built up", the surrounding counties are the new frontier. However, redevelopment downtown could slow outward growth and may reverse this trend, though not in the immediate future.

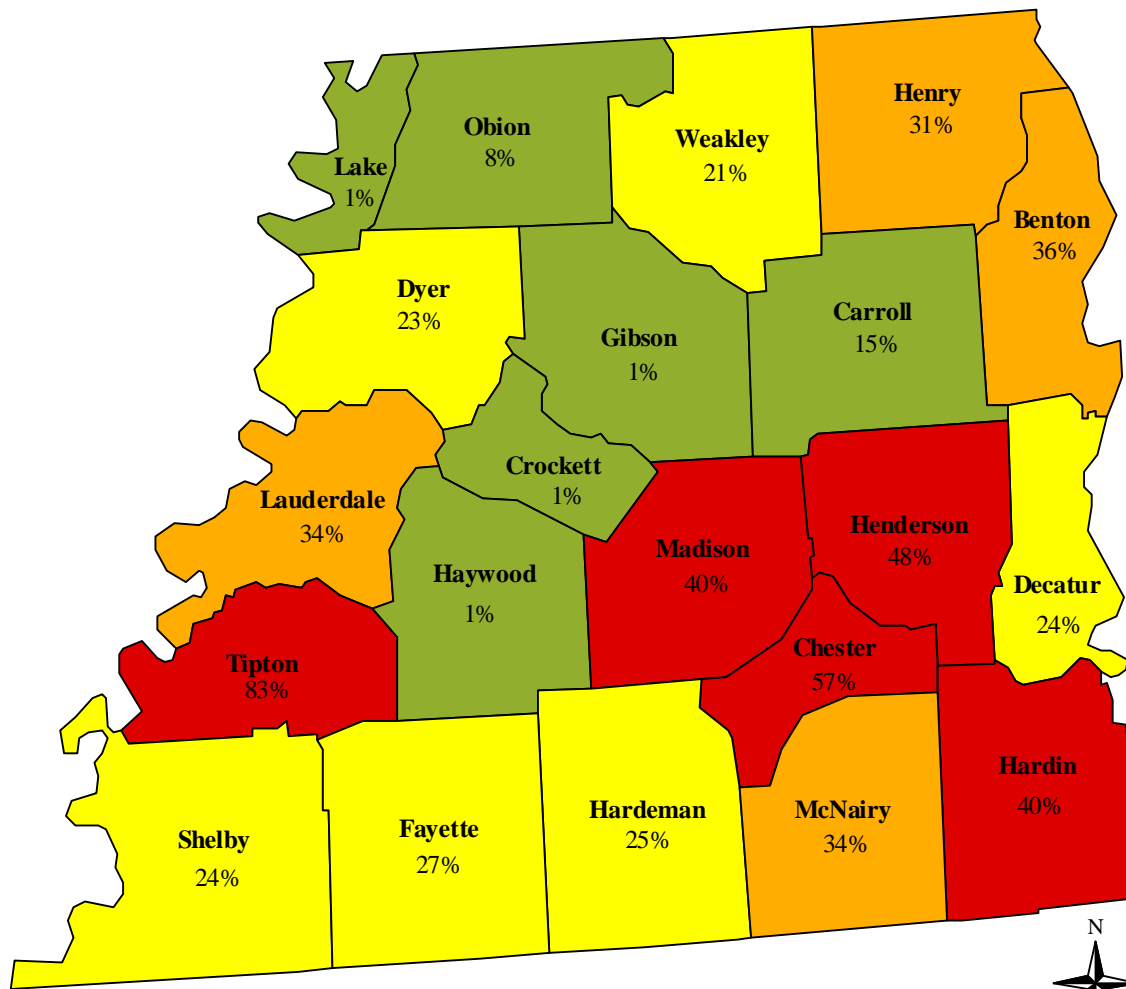
Six counties grew less than 20%. Carroll (15%), Crockett (1%), Gibson (1%), Haywood (1%), Lake (1%), and Obion (8%) all gained population in the 1970s and then lost population in the 1980s. Lake County has steadily lost population and would have been the only county with negative population growth over these 30 years had it not been for the new prison facility. Carroll, Crockett, and Gibson counties experienced some growth in the 1990s, which may be attributed to their proximity to Madison County. This growth will likely continue as Madison County continues to grow.

Maps 1, 2, and 3 on the following pages illustrate these past trends by providing long term growth rates as was just discussed, mid-term growth rates, and short-term growth rates. As noted on each map Hardeman, Lake and Lauderdale counties' population growth in the last 10 years resulted from expanded or new prison facilities housing significant group quarters populations. Shelby and Tipton counties' populations are also impacted by group quarters facilities but not as significantly as the other three counties.

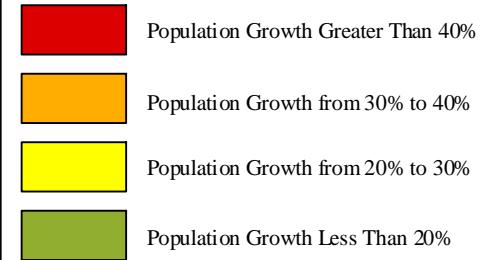
Map 1 provides long-term population change over this 30-year period of 1970 to 2000. Map 2 provides a mid-range view of these county population trends from 1980 to 2000. And Map 3 provides a short-term view of population growth in West Tennessee Counties from 1990 to 2000. The maps are coded Red for Fast Growing Areas, Orange for Healthy Growth, Yellow for Less than Healthy Growth, and Green for Stagnant or Negative Growth. Each map also provides a context map showing the location of these counties within the surrounding states.

The next step in this paper is to examine populations by race for individual counties. As discussed in the scope and methodology sections, each county's total population by broken down by race into four categories: white, black, Hispanic/Latino, and all other racial groups. The next section illustrates this analysis.

## Map 1: West Tennessee County Population Long Term Trend 1970 - 2000



**Legend:**



**States Surrounding  
West Tennessee Counties:**



0 300 Miles



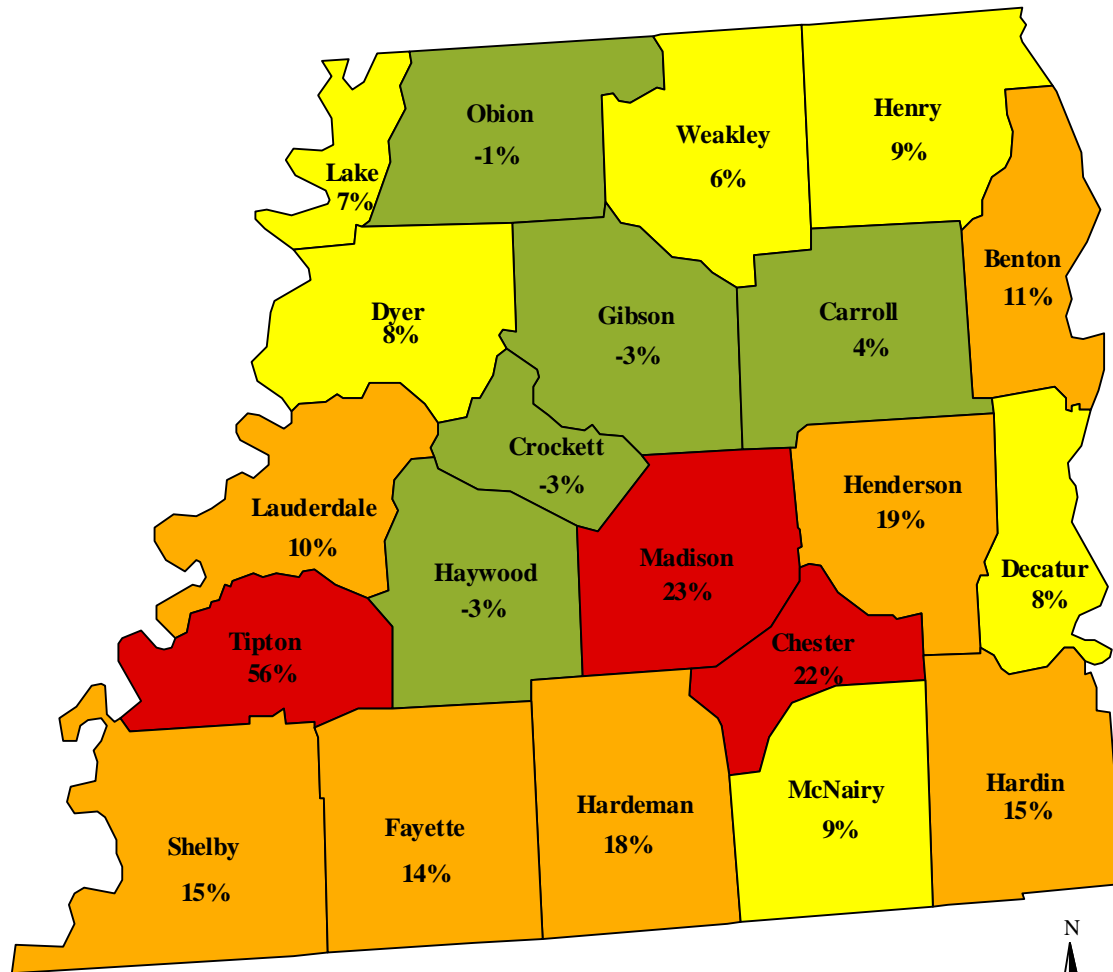
**Prepared by:**

Regional Economic Development Center  
(REDC) at The University of Memphis  
Spring 2003

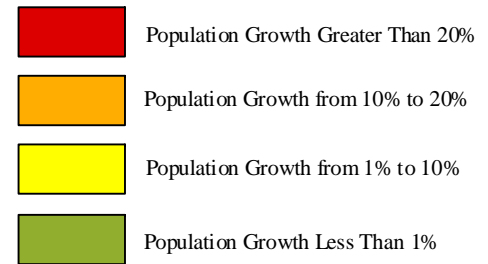
Note: Hardeman, Lake, and Lauderdale Counties have significant new prison populations. Tipton County also has a new prison facility. Prison populations were not included in the projection process but were included in these maps illustrating past trends.

10 0 10 20 Miles

**Map 2:  
West Tennessee County Population Mid-Term Trend 1980 - 2000**



**Legend:**



**States Surrounding  
West Tennessee Counties:**



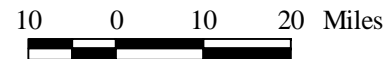
0 300 Miles



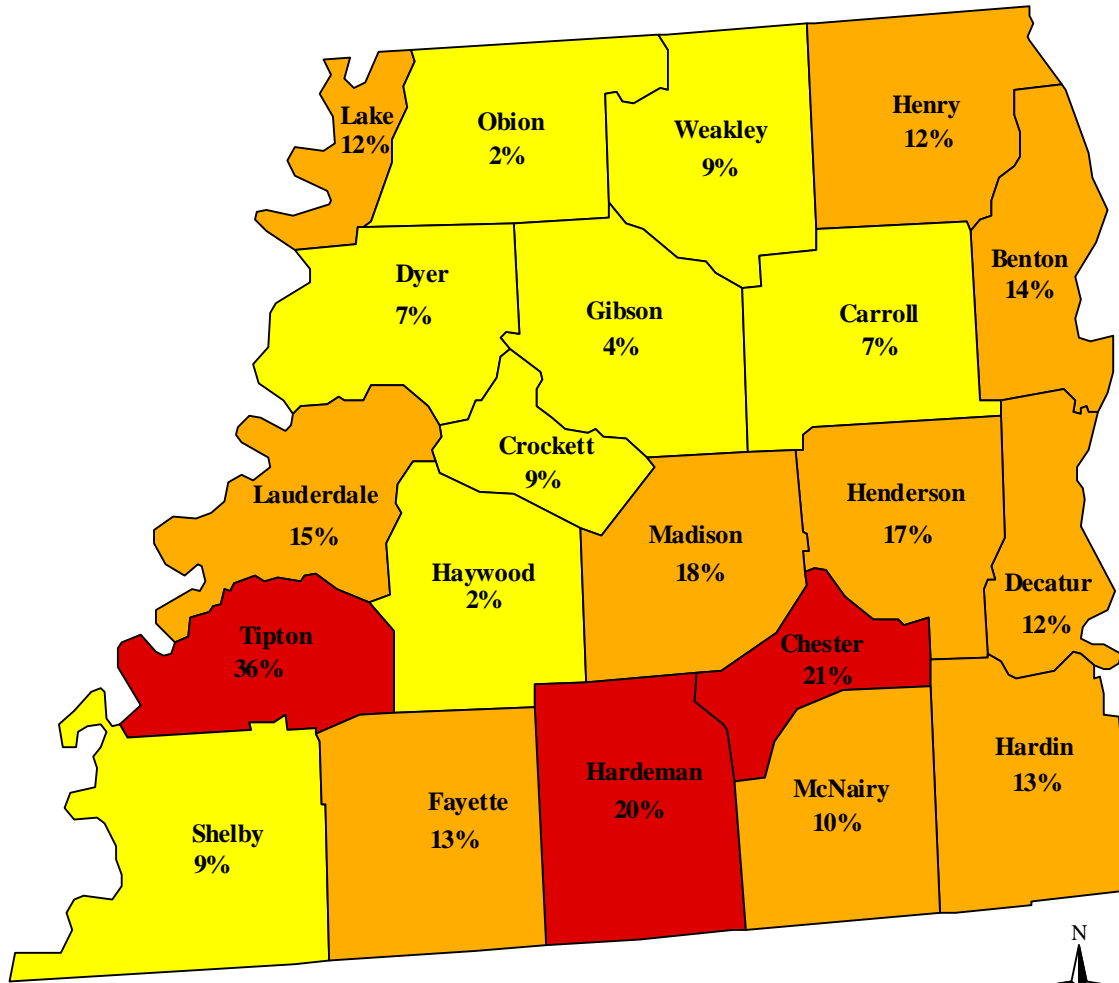
**Prepared by:**

Regional Economic Development Center  
(REDC) at The University of Memphis  
Spring 2003

Note: Hardeman, Lake, and Lauderdale Counties have significant new prison populations. Tipton County also has a new prison facility. Prison populations were not included in the projection process but were included in these maps illustrating past trends.



**Map 3:  
West Tennessee County Population Short-Term Trend 1990 - 2000**



**Legend:**

- Population Growth Greater Than 20%
- Population Growth from 10% to 20%
- Population Growth from 1% to 10%
- Population Growth Less Than 1%

**States Surrounding  
West Tennessee Counties:**



0 300 Miles

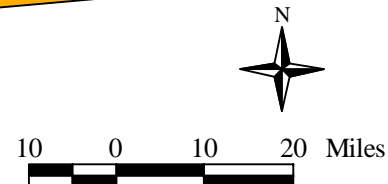


**Prepared by:**

Regional Economic Development Center  
(REDC) at The University of Memphis

Spring 2003

Note: Hardeman, Lake, and Lauderdale Counties have significant new prison populations. Tipton County also has a new prison facility. Prison populations were not included in the projection process but were included in these maps illustrating past trends.



*Past Population Trends of Individual Counties by Race within West Tennessee*

Table 6 provides 1990 and 2000 data by race to show where growth or decline occurred within racial categories. This table also illustrates why a fast growing area may not be growing in total population due to individual racial population trends. Two examples of this are Fayette and Shelby Counties. Fayette

**Table 6: West Tennessee County Populations by Race and Percentage Change, 1990 to 2000**

| West Tennessee Counties          | White           | White           | Percentage Change 1990 - 2000 | Black           | Black           | Percentage Change 1990 - 2000 |
|----------------------------------|-----------------|-----------------|-------------------------------|-----------------|-----------------|-------------------------------|
|                                  | Population 1990 | Population 2000 |                               | Population 1990 | Population 2000 |                               |
| Benton                           | 14,058          | 15,834          | 12.63%                        | 301             | 348             | 15.61%                        |
| Carroll                          | 24,108          | 25,643          | 6.37%                         | 3,140           | 3,030           | -3.50%                        |
| Chester                          | 11,349          | 13,612          | 19.94%                        | 1,396           | 1,557           | 11.53%                        |
| Crockett                         | 11,056          | 11,549          | 4.46%                         | 2,253           | 2,077           | -7.81%                        |
| Decatur                          | 9,972           | 10,954          | 9.85%                         | 409             | 406             | -0.73%                        |
| Dyer                             | 30,452          | 31,602          | 3.78%                         | 4,138           | 4,784           | 15.61%                        |
| Fayette                          | 14,056          | 17,858          | 27.05%                        | 11,196          | 10,312          | -7.90%                        |
| Gibson                           | 37,016          | 37,661          | 1.74%                         | 8,925           | 9,447           | 5.85%                         |
| Hardeman*                        | 14,441          | 14,698          | 1.78%                         | 8,786           | 9,634           | 9.65%                         |
| Hardin                           | 21,539          | 24,099          | 11.89%                        | 973             | 941             | -3.29%                        |
| Haywood                          | 9,567           | 9,088           | -5.01%                        | 9,611           | 10,066          | 4.73%                         |
| Henderson                        | 19,896          | 22,932          | 15.26%                        | 1,758           | 2,034           | 15.70%                        |
| Henry                            | 24,922          | 27,596          | 10.73%                        | 2,831           | 2,777           | -1.91%                        |
| Lake*                            | 5,139           | 4,648           | -9.57%                        | 1,110           | 1,088           | -2.01%                        |
| Lauderdale*                      | 15,707          | 16,450          | 4.73%                         | 6,941           | 7,629           | 9.90%                         |
| McNairy                          | 20,890          | 22,576          | 8.07%                         | 1,434           | 1,532           | 6.83%                         |
| Madison                          | 53,249          | 59,153          | 11.09%                        | 24,098          | 29,657          | 23.07%                        |
| Obion                            | 28,246          | 28,335          | 0.32%                         | 3,233           | 3,174           | -1.82%                        |
| Shelby*                          | 450,406         | 414,014         | -8.08%                        | 356,555         | 431,181         | 20.93%                        |
| Tipton*                          | 28,250          | 39,431          | 39.58%                        | 8,840           | 9,949           | 12.54%                        |
| Weakley                          | 29,454          | 31,318          | 6.33%                         | 2,115           | 2,409           | 13.90%                        |
| <b>Total West TN Population*</b> | <b>873,774</b>  | <b>879,050</b>  | <b>0.60%</b>                  | <b>459,743</b>  | <b>543,683</b>  | <b>18.26%</b>                 |

| West Tennessee Counties          | Hispanic                             | Hispanic                             | Percentage Change 1990 - 2000 | Other Racial               | Other Racial               | Percentage Change 1990 - 2000 |
|----------------------------------|--------------------------------------|--------------------------------------|-------------------------------|----------------------------|----------------------------|-------------------------------|
|                                  | Population (Includes all Races) 1990 | Population (Includes all Races) 2000 |                               | Groups (Non-Hispanic) 1990 | Groups (Non-Hispanic) 2000 |                               |
| Benton                           | 60                                   | 157                                  | 161.67%                       | 105                        | 198                        | 88.57%                        |
| Carroll                          | 159                                  | 386                                  | 142.77%                       | 107                        | 416                        | 288.79%                       |
| Chester                          | 48                                   | 150                                  | 212.50%                       | 26                         | 221                        | 750.00%                       |
| Crockett                         | 48                                   | 793                                  | 1552.08%                      | 21                         | 113                        | 438.10%                       |
| Decatur                          | 61                                   | 229                                  | 275.41%                       | 30                         | 142                        | 373.33%                       |
| Dyer                             | 159                                  | 434                                  | 172.96%                       | 105                        | 459                        | 337.14%                       |
| Fayette                          | 230                                  | 298                                  | 29.57%                        | 77                         | 338                        | 338.96%                       |
| Gibson                           | 289                                  | 540                                  | 86.85%                        | 85                         | 504                        | 492.94%                       |
| Hardeman*                        | 109                                  | 166                                  | 51.88%                        | 41                         | 250                        | 509.07%                       |
| Hardin                           | 28                                   | 260                                  | 828.57%                       | 93                         | 278                        | 198.92%                       |
| Haywood                          | 213                                  | 524                                  | 146.01%                       | 46                         | 119                        | 158.70%                       |
| Henderson                        | 157                                  | 247                                  | 57.32%                        | 33                         | 309                        | 836.36%                       |
| Henry                            | 58                                   | 311                                  | 436.21%                       | 77                         | 431                        | 459.74%                       |
| Lake*                            | 16                                   | 88                                   | 438.17%                       | 1                          | 39                         | 3780.19%                      |
| Lauderdale*                      | 195                                  | 273                                  | 40.06%                        | 72                         | 374                        | 421.11%                       |
| McNairy                          | 48                                   | 229                                  | 377.08%                       | 50                         | 316                        | 532.00%                       |
| Madison                          | 320                                  | 1,572                                | 391.25%                       | 315                        | 1,455                      | 361.90%                       |
| Obion                            | 129                                  | 616                                  | 377.52%                       | 109                        | 325                        | 198.17%                       |
| Shelby*                          | 6,433                                | 23,176                               | 260.26%                       | 9,402                      | 24,994                     | 165.83%                       |
| Tipton*                          | 180                                  | 586                                  | 225.40%                       | 298                        | 856                        | 187.08%                       |
| Weakley                          | 79                                   | 402                                  | 408.86%                       | 324                        | 766                        | 136.42%                       |
| <b>Total West TN Population*</b> | <b>9,020</b>                         | <b>31,437</b>                        | <b>248.54%</b>                | <b>11,417</b>              | <b>33,182</b>              | <b>190.64%</b>                |

Note: \*Percentage change does not include state or federal group quarters populations. Group quarters populations are assumed to continue at the same level.

County's white population increased by 27% from 1990 to 2000, but its black population decreased by almost 8%. Shelby County's black population increased by almost 21%, but its white population decreased by just over 8%.

Also, Table 6 shows the difficulty in projecting the Hispanic or Latino population. These numbers are still very small compared to the total population, however, the percentage change in the number in some counties are massive. To project what will happen in the next 20 years is almost impossible.

*Projecting Populations for Individual Counties within West Tennessee*

As discussed in the methodology section of this paper, two different methods (trend-lines and shares) of projection were used in arriving at county-by-county projections for 2010 and 2020 for West Tennessee. Four different projections were prepared using past populations by county. Tables 7 and 8 provide these 4

**Table 7: Alternative Total Population Projections for West Tennessee Counties 2010**

| County   | Exponential  |  | Exponential<br>Growth<br>Projection<br>1970 to<br>2000 Data | Projected<br>Shares 1970<br>to 2000 Data | Average<br>Projection |
|--|--|--|---|--|-----------------------|
|  | Linear<br>Projection<br>by Race<br>1990 and<br>2000 Data | Growth<br>Projection<br>by Race<br>1990 and<br>2000 Data |   |  |                       |
| Benton   | 18,550   | 18,782   | 18,098  | 18,065                                   | 18,374                |
| Carroll  | 31,436   | 31,538   | 30,473  | 30,404                                   | 30,963                |
| Chester  | 18,261   | 18,731   | 17,659  | 17,467                                   | 18,029                |
| Crockett   | 15,686   | 15,722   | 14,006  | 13,742                                   | 14,789                |
| Decatur  | 12,990   | 13,087   | 12,344  | 12,345                                   | 12,691                |
| Dyer   | 39,704   | 39,848   | 39,899  | 39,903                                   | 39,838                |
| Fayette  | 32,053   | 33,151   | 30,572  | 30,575                                   | 31,588                |
| Gibson   | 49,989   | 50,031   | 47,363  | 46,598                                   | 48,495                |
| Hardeman   | 29,417   | 29,086   | 28,661  | 28,541                                   | 28,926                |
| Hardin   | 28,523   | 28,828   | 28,514  | 28,401                                   | 28,567                |
| Haywood  | 20,157   | 20,203   | 19,717  | 19,446                                   | 19,881                |
| Henderson  | 29,200   | 29,707   | 28,686  | 28,492                                   | 29,021                |
| Henry  | 34,342   | 34,630   | 33,718  | 33,696                                   | 34,096                |
| Lake   | 7,533  | 7,584  | 7,323   | 6,766                                    | 7,302                 |
| Lauderdale                                       | 28,936   | 29,038   | 29,042  | 29,043                                   | 29,015                |
| Madison  | 101,265  | 103,202  | 100,033   | 99,828                                   | 101,082               |
| McNairy  | 31,311   | 31,454   | 27,237  | 27,187                                   | 29,297                |
| Obion  | 33,183   | 33,184   | 33,401  | 33,245                                   | 33,256                |
| Shelby   | 968,034  | 986,595  | 959,516   | 959,549                                  | 968,423               |
| Tipton   | 64,573   | 69,139   | 59,366  | 58,042                                   | 62,780                |
| Weakley  | 37,818   | 37,977   | 36,749  | 36,739                                   | 37,321                |
| <b>Total West Tennessee Counties' Population</b> | <b>1,632,961</b>   | <b>1,661,516</b>   | <b>1,602,377</b>  | <b>1,598,071</b>                         | <b>1,623,731</b>      |

Source Data: U.S. Bureau of the Census, 1970 to 2000.

alternative projections. The first two columns are total population projections, which were calculated by

analyzing 1990 and 2000 census data by race as discussed in the methodology section of this paper, projecting individual racial data, and then summing the racial projections to arrive at total population projections for 2010 and 2020. Group quarters populations were not included in the projections, but those populations were added to the projections of the population not incarcerated.

The first two columns are the highest projections. Under the Exponential Growth column for 2010 and 2020, projected total county populations are found, which involved the use of trend-lines over the 30 years from 1970 to 2000. The next column is the Projected Share where county projections were developed by looking at each county as a share of the total West Tennessee population over the four intervals (1970, 1980, 1990, and 2000). The shares were then projected to 2010 and 2020. Each county's share was then applied to the projections from previous tables for West Tennessee as a

**Table 8: Alternative Total Population Projections for West Tennessee Counties 2020**

| County   | Linear                                | Exponential                                  | Exponential                         | Projected Shares | Average          |
|--|---------------------------------------|--|-------------------------------------|------------------|------------------|
|  | Projection by Race 1990 and 2000 Data | Growth Projection by Race 1990 and 2000 Data | Growth Projection 1970 to 2000 Data |                  |                  |
| Benton   | 20,563                                | 21,288                                       | 19,813                              | 19,956           | 20,405           |
| Carroll  | 33,397                                | 33,708                                       | 31,649                              | 31,816           | 32,643           |
| Chester  | 20,982                                | 22,484                                       | 20,215                              | 19,983           | 20,916           |
| Crockett   | 16,840                                | 16,947                                       | 13,889                              | 13,438           | 15,279           |
| Decatur  | 14,249                                | 14,549                                       | 13,121                              | 13,260           | 13,795           |
| Dyer   | 42,129                                | 42,579                                       | 42,429                              | 42,886           | 42,506           |
| Fayette  | 35,300                                | 38,867                                       | 32,873                              | 33,233           | 35,068           |
| Gibson   | 51,826                                | 51,953                                       | 47,135                              | 45,873           | 49,197           |
| Hardeman   | 30,786                                | 30,752                                       | 29,361                              | 29,357           | 30,064           |
| Hardin   | 31,468                                | 32,420                                       | 31,622                              | 31,723           | 31,808           |
| Haywood  | 20,517                                | 20,653                                       | 19,690                              | 19,262           | 20,031           |
| Henderson  | 32,878                                | 34,475                                       | 32,308                              | 32,218           | 32,970           |
| Henry  | 37,569                                | 38,464                                       | 36,465                              | 36,816           | 37,328           |
| Lake   | 7,103                                 | 7,251  | 6,803                               | 5,605            | 6,691            |
| Lauderdale                                       | 30,746                                | 31,063                                       | 30,801                              | 31,101           | 30,928           |
| Madison  | 113,175                               | 119,354                                      | 111,092                             | 111,727          | 113,837          |
| McNairy  | 35,487                                | 35,927                                       | 29,737                              | 29,959           | 32,777           |
| Obion  | 33,916                                | 33,920                                       | 34,106                              | 34,055           | 33,981           |
| Shelby   | 1,038,602                             | 1,097,314                                    | 1,030,196                           | 1,041,367        | 1,051,870        |
| Tipton   | 77,826                                | 93,289                                       | 71,826                              | 68,829           | 77,943           |
| Weakley  | 40,741                                | 41,231                                       | 38,806                              | 39,188           | 39,991           |
| <b>Total West Tennessee Counties' Population</b> | <b>1,766,101</b>                      | <b>1,858,488</b>                             | <b>1,723,937</b>                    | <b>1,731,651</b> | <b>1,770,044</b> |

Source Data: U.S. Bureau of the Census, 1970 to 2000.

whole (See Table 4). Projections using each county's racial groups differ, in some cases, from projections where each county's total population was projected using the past 30 years' trends. This is due to the fact that racial data only incorporated 1990 and 2000 data and the total population projections contained 1970 – 2000 data. Large differences also occur in fast growing counties or counties with very small populations. Developing four alternative projections provides a high projection and a low projection with the average or last column perhaps providing a more realistic projection. The Appendix contains charts for each county with the four alternative projections and average projections.

*Projecting County by County Total Population and Population by Race*

For the purposes of this paper, Tables 9 and 10 represents the projected share total West Tennessee alternative for 2010 and 2020 (See Table 4 on page 4) for population projections by race. The data used for Tables 9 and 10 are based upon 1990 and 2000 census data by race. Racial shares by county were projected and applied to county projections.

**Table 9: Population Projections by Race  
for West Tennessee Counties, 2010**

| <b>West Tennessee Counties</b>     | <b>Total<br/>Population</b> | <b>White<br/>Population</b> | <b>Black<br/>Population</b> | <b>Hispanic<br/>Population<br/>(Includes<br/>all Races)</b> | <b>Other Racial<br/>Groups (Non-<br/>Hispanic)</b> |
|------------------------------------|-----------------------------|-----------------------------|-----------------------------|---|--|
| Benton                             | 18,165                      | 17,215                      | 388                         | 264   | 298  |
| Carroll                            | 30,464                      | 26,302                      | 2,765                       | 636   | 761  |
| Chester                            | 18,045                      | 15,664                      | 1,677                       | 263   | 440  |
| Crockett                           | 15,239                      | 11,613                      | 1,777                       | 1,633   | 216  |
| Decatur                            | 12,687                      | 11,619                      | 384                         | 416   | 267  |
| Dyer                               | 38,465                      | 31,542                      | 5,330                       | 738   | 855  |
| Fayette                            | 31,337                      | 21,530                      | 8,812                       | 365   | 630  |
| Gibson                             | 48,160                      | 36,737                      | 9,639                       | 811   | 974  |
| Hardeman                           | 32,408                      | 17,105                      | 14,122                      | 454   | 727  |
| Hardin                             | 27,898                      | 26,032                      | 861                         | 521   | 483  |
| Haywood                            | 19,336                      | 8,119                       | 10,151                      | 866   | 200  |
| Henderson                          | 28,706                      | 25,477                      | 2,268                       | 342   | 620  |
| Henry                              | 33,519                      | 29,507                      | 2,589                       | 595   | 828  |
| Lake                               | 8,569                       | 4,869                       | 3,256                       | 203   | 241  |
| Lauderdale                         | 30,134                      | 17,949                      | 10,982                      | 428   | 775  |
| Madison                            | 104,023                     | 63,452                      | 34,868                      | 2,974   | 2,730  |
| McNairy                            | 26,175                      | 23,550                      | 1,579                       | 432   | 615  |
| Obion                              | 31,862                      | 27,174                      | 2,963                       | 1,161   | 564  |
| Shelby                             | 941,016                     | 353,707                     | 503,037                     | 42,036  | 42,237   |
| Tipton                             | 65,091                      | 51,182                      | 11,254                      | 1,114   | 1,542  |
| Weakley                            | 36,773                      | 32,110                      | 2,647                       | 764   | 1,251  |
| Total West Tennessee<br>Population | 1,598,071                   | 852,454                     | 631,348                     | 57,014  | 57,255   |

Source: U.S. Bureau of the Census, 1990 and 2000.

**Table 10: Population Projections by Race  
for West Tennessee Counties, 2020**

| <b>West Tennessee Counties</b>     | <b>Total<br/>Population</b> | <b>White<br/>Population</b> | <b>Black<br/>Population</b> | <b>Hispanic<br/>Population<br/>(Includes<br/>all Races)</b> | <b>Other Racial<br/>Groups (Non-<br/>Hispanic)</b> |
|------------------------------------|-----------------------------|-----------------------------|-----------------------------|---|--|
| Benton                             | 20,273                      | 19,025                      | 438                         | 391   | 418  |
| Carroll                            | 31,989                      | 27,394                      | 2,494                       | 932   | 1,168  |
| Chester                            | 21,164                      | 18,231                      | 1,836                       | 397   | 699  |
| Crockett                           | 16,248                      | 11,832                      | 1,454                       | 2,624   | 338  |
| Decatur                            | 13,951                      | 12,533                      | 364                         | 638   | 415  |
| Dyer                               | 40,318                      | 31,870                      | 6,027                       | 1,098   | 1,322  |
| Fayette                            | 34,653                      | 26,041                      | 7,191                       | 446   | 975  |
| Gibson                             | 48,776                      | 36,132                      | 9,981                       | 1,134   | 1,529  |
| Hardeman                           | 37,784                      | 18,604                      | 17,356                      | 668   | 1,156  |
| Hardin                             | 30,927                      | 28,592                      | 780                         | 829   | 726  |
| Haywood                            | 19,047                      | 7,102                       | 10,377                      | 1,272   | 295  |
| Henderson                          | 32,744                      | 28,736                      | 2,566                       | 456   | 986  |
| Henry                              | 36,716                      | 32,085                      | 2,405                       | 929   | 1,297  |
| Lake                               | 9,386                       | 4,470                       | 4,211                       | 314   | 391  |
| Lauderdale                         | 34,016                      | 19,054                      | 13,188                      | 565   | 1,209  |
| Madison                            | 119,403                     | 69,213                      | 41,323                      | 4,630   | 4,237  |
| McNairy                            | 28,261                      | 24,970                      | 1,653                       | 671   | 967  |
| Obion                              | 31,584                      | 26,175                      | 2,756                       | 1,805   | 848  |
| Shelby                             | 1,003,140                   | 287,523                     | 588,847                     | 64,123  | 62,647   |
| Tipton                             | 81,867                      | 65,194                      | 12,661                      | 1,696   | 2,317  |
| Weakley                            | 39,403                      | 33,429                      | 2,955                       | 1,191   | 1,828  |
| Total West Tennessee<br>Population | 1,731,651                   | 828,207                     | 730,864                     | 86,810  | 85,770   |

Source: U.S. Bureau of the Census, 1990 and 2000.

### *Summary and Conclusions*

West Tennessee's total population experienced a lower rate of growth from 1990 to 2000 than the State of Tennessee, the East South Central Division, the Southern Region, or the U.S. population. Shelby County has historically contained 60 per cent of the 21 West Tennessee Counties' total population and still maintains this share even with its lower growth rates. These lower growth rates are as a result of Shelby County's proximity to Desoto County, Mississippi. Shelby County's out-migration to Desoto County has resulted in significantly increased growth trends in that county.

Another development that occurred from 1990 to 2000 was the dramatic increase in the Hispanic/Latino populations throughout the Southeast. Tennessee's Hispanic Population grew at almost 5 times the national rate from 1990 to 2000. West Tennessee's Hispanic population grew at more than 4 times the national rate from 1990 to 2000. U.S. 2000 Census projections at the state level were close to the 2000 counts for total

population, white population, and black population. For Hispanic populations the 2000 count was 200% of the 2000 projected population at the state level.

Tennessee's share of the total U.S. population increased slightly between 1990 and 2000. West Tennessee's share of Tennessee declined slightly between 1990 and 2000. The Tennessee Hispanic population's share of the U.S. Hispanic population more than tripled as did the West Tennessee Hispanic population's share of the Tennessee. The Tennessee Hispanic 2000 population counts already exceed 2010 projections. For this reason, a constant share method was chosen to arrive at total population and population by race projections for the State of Tennessee and the 21 West Tennessee counties as a geographic area.

Tennessee's 2000 population of 5.7 million is projected to grow to 6.1 million by 2010 and 6.5 million by 2020. The white population's share of Tennessee's total population is projected to decline from 80% in 2000 to 75% in 2010 with slight gains occurring in the black population, but more significant gains in the Hispanic/Latino and all other racial groups.

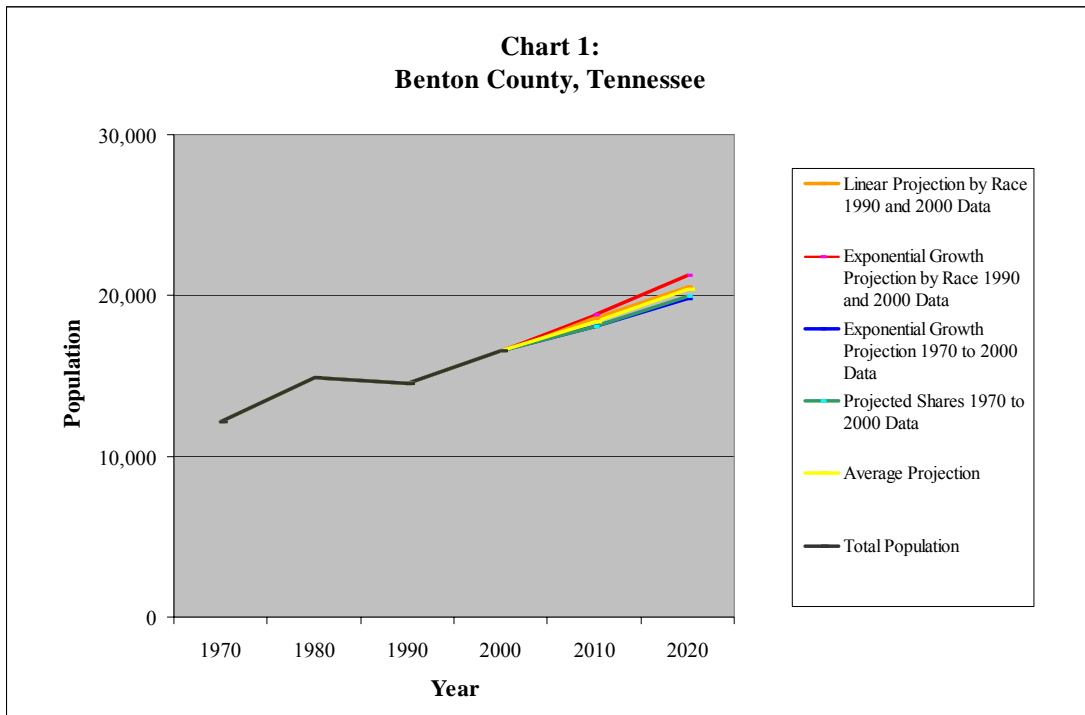
West Tennessee's total population of 1.5 million is projected to reach 1.6 million by 2010 and 1.7 million by 2020. Historically, West Tennessee counties as a total population have experienced 10%, 3.5%, and 10% growth rates for each interval of data. The projections arrived at in this paper take into account these past trends and project growth rates of 7% from 2000 to 2010 and 8% from 2010 to 2020 for the total West Tennessee geographic area, however, four alternatives were provided presenting high and low projections with an average alternative. The high projections included population by race data for 1990 and 2000 only while the low projections include 1970, 1980, 1990 and 2000 data.

For the population by race section, the West Tennessee population projections from Table 4 were used and again the total population for each county was viewed as a share of the total population of West Tennessee. The racial shares within each county were also projected and applied to each county's total population projection for 2010 and 2020.

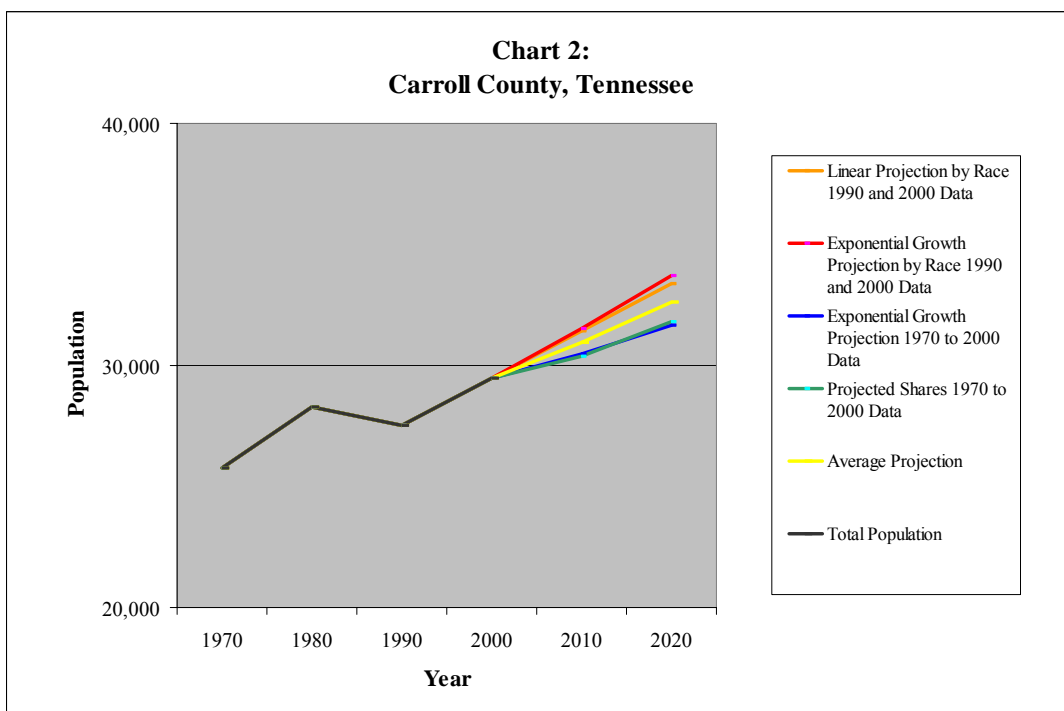
Shelby County is the predominant population center for West Tennessee. Madison County is the next most populated. Tipton County is experiencing significant growth as a result of in-migration from Shelby County. All other counties are predominantly rural and are for the most part experiencing growth.

For a more comprehensive view of some of the economic indicators that may have contributed to population growth or decline in these counties, request a copy of Employment and Real Wage Growth in Western Tennessee: 1989 – 1999 by Steve Redding. And, as mentioned in the scope of paper, additional population projections with age and sex detail can be obtained by calling The Regional Economic Development Center (REDC) at The University of Memphis.

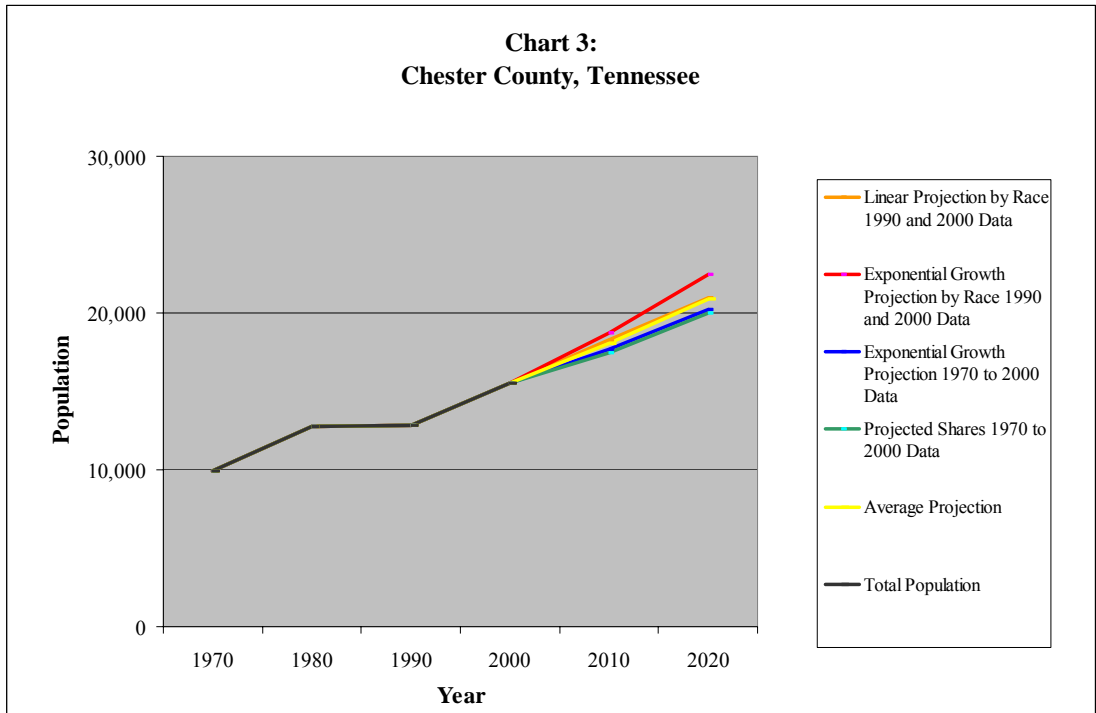
## **Appendix**



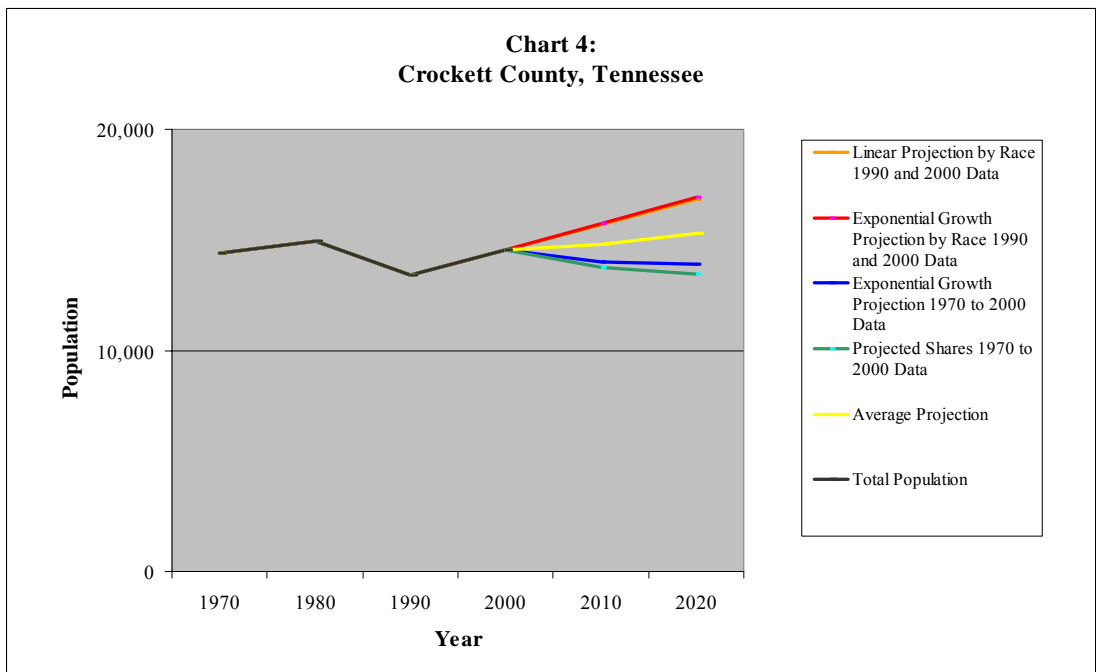
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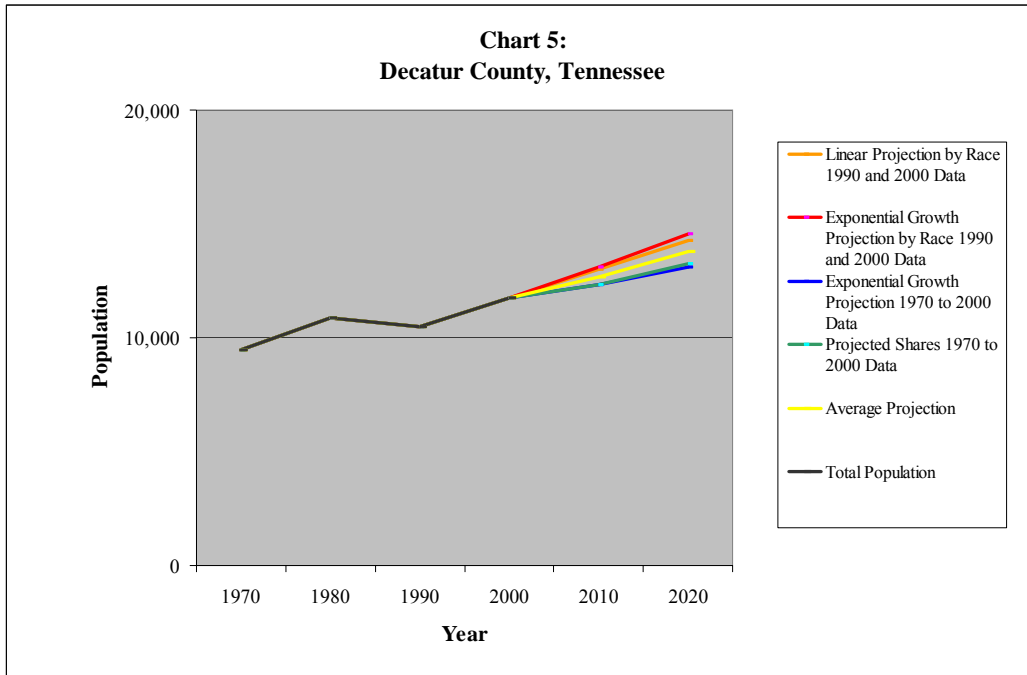
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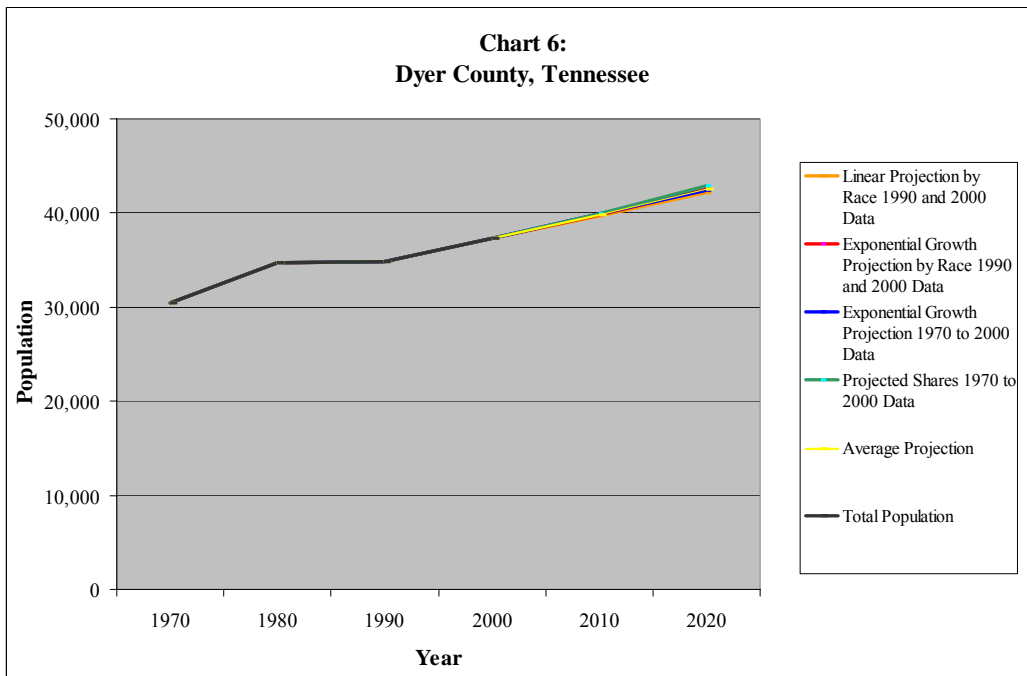
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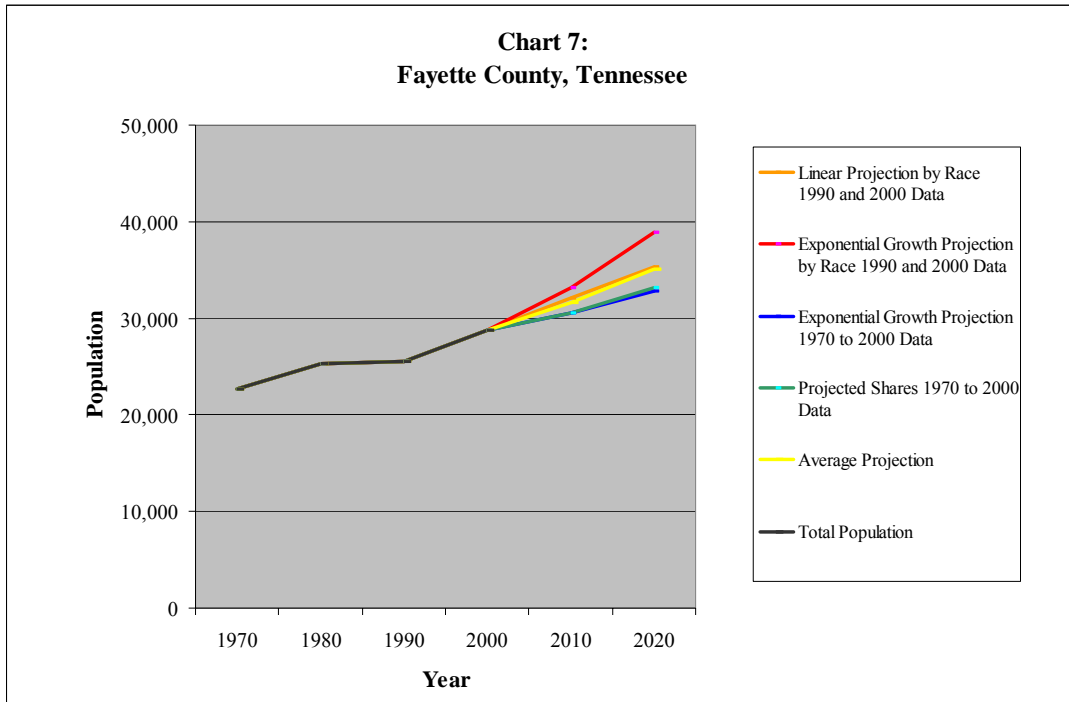
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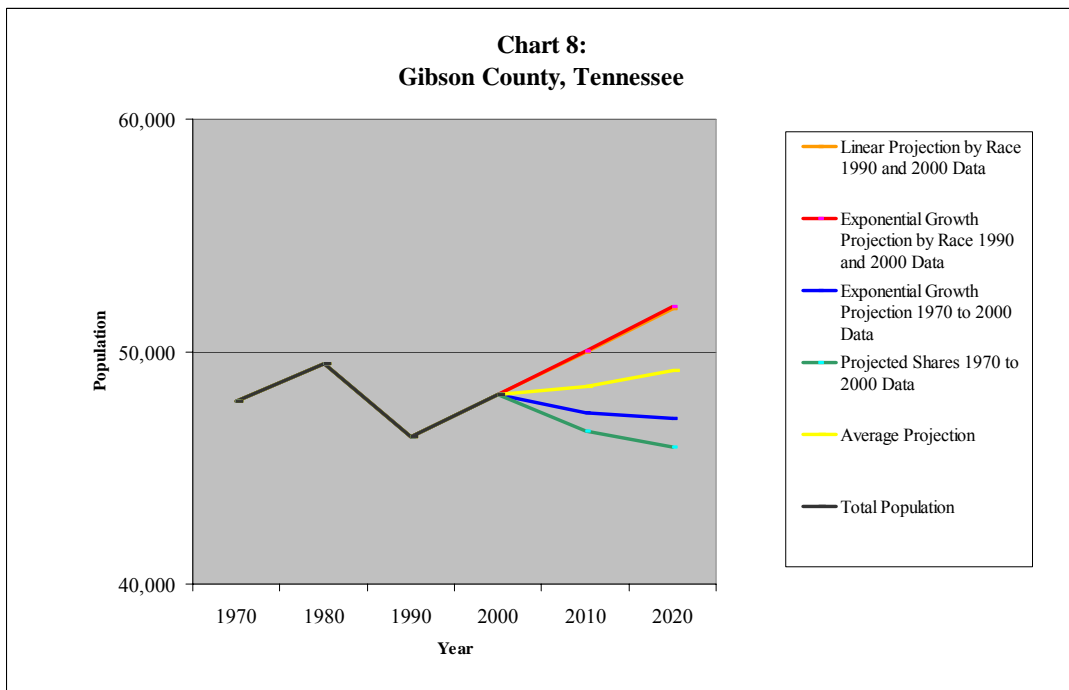
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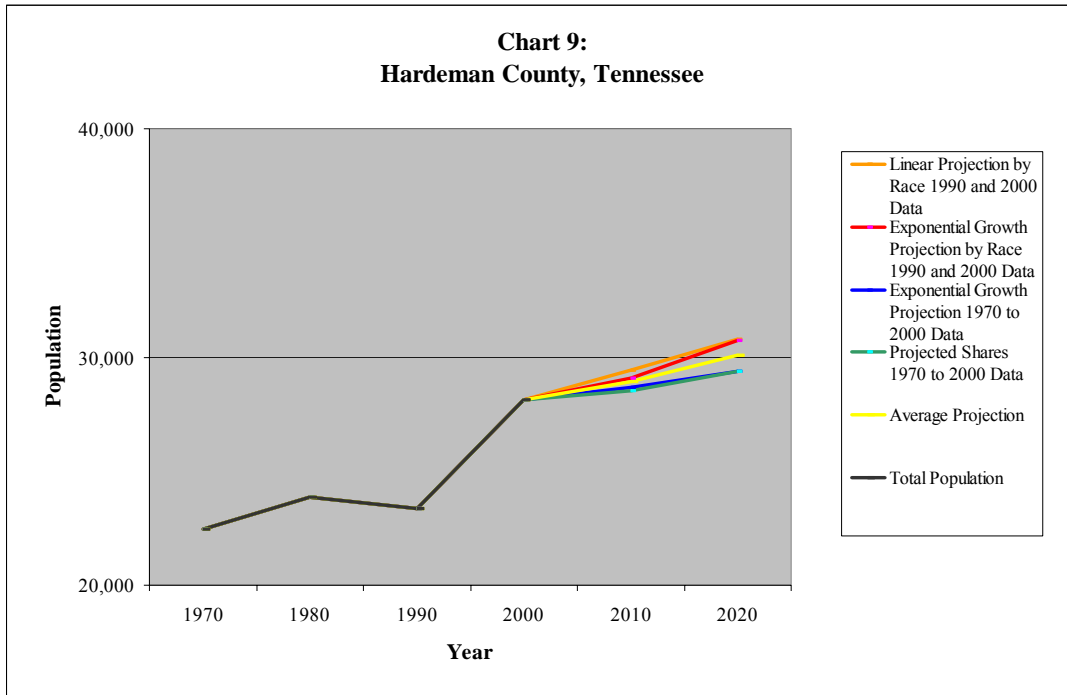
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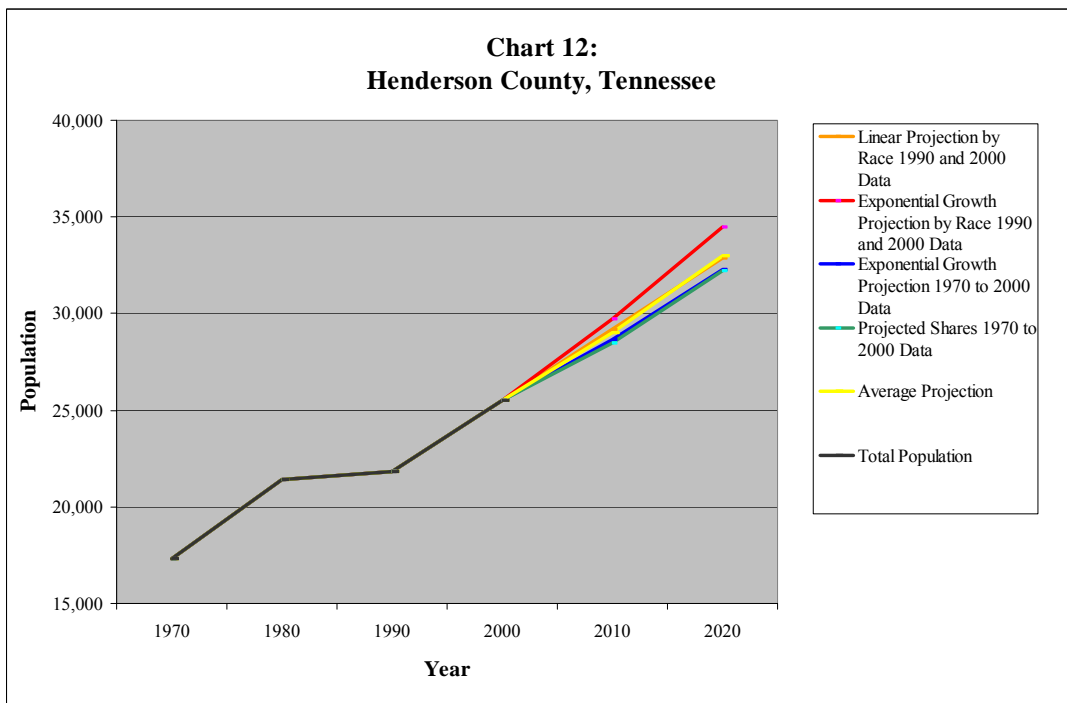
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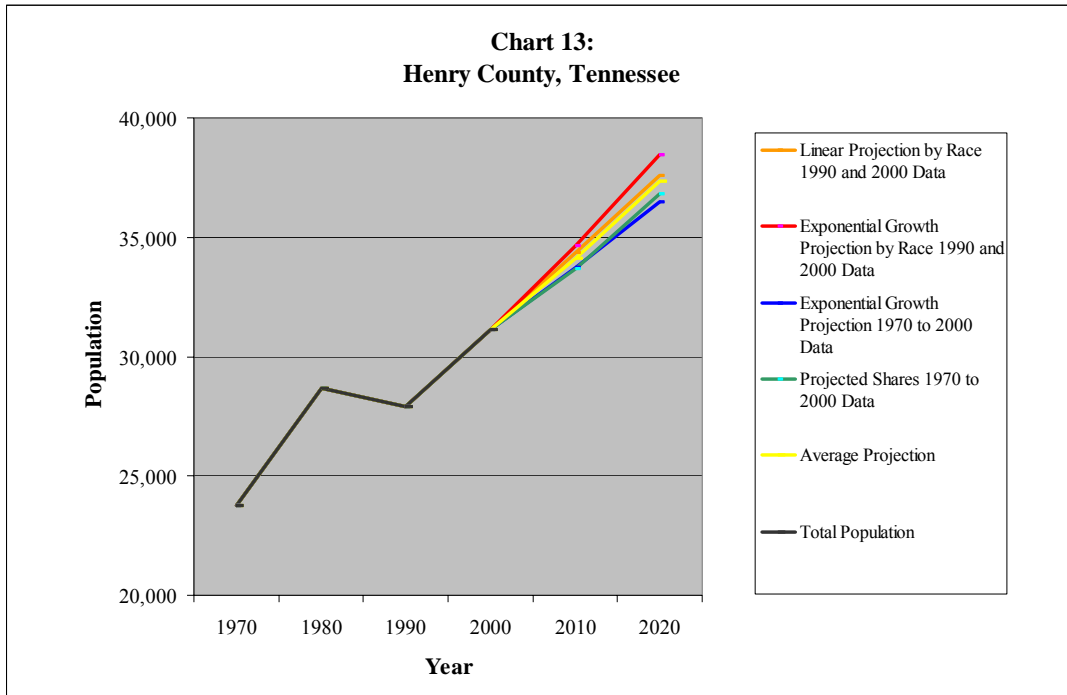
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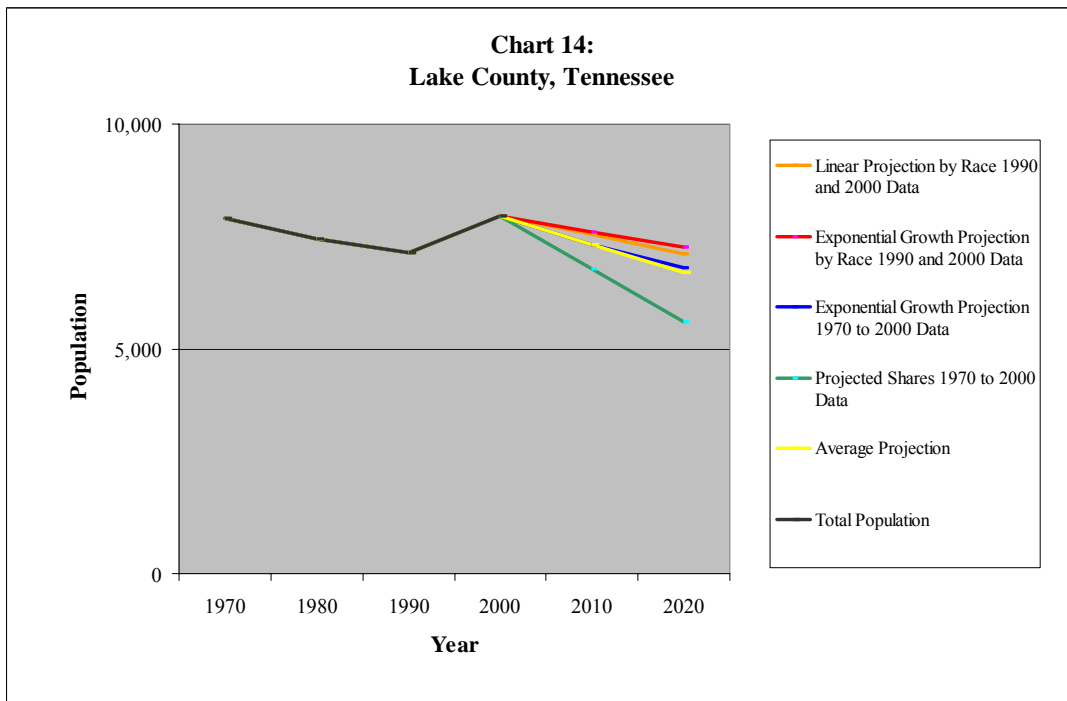
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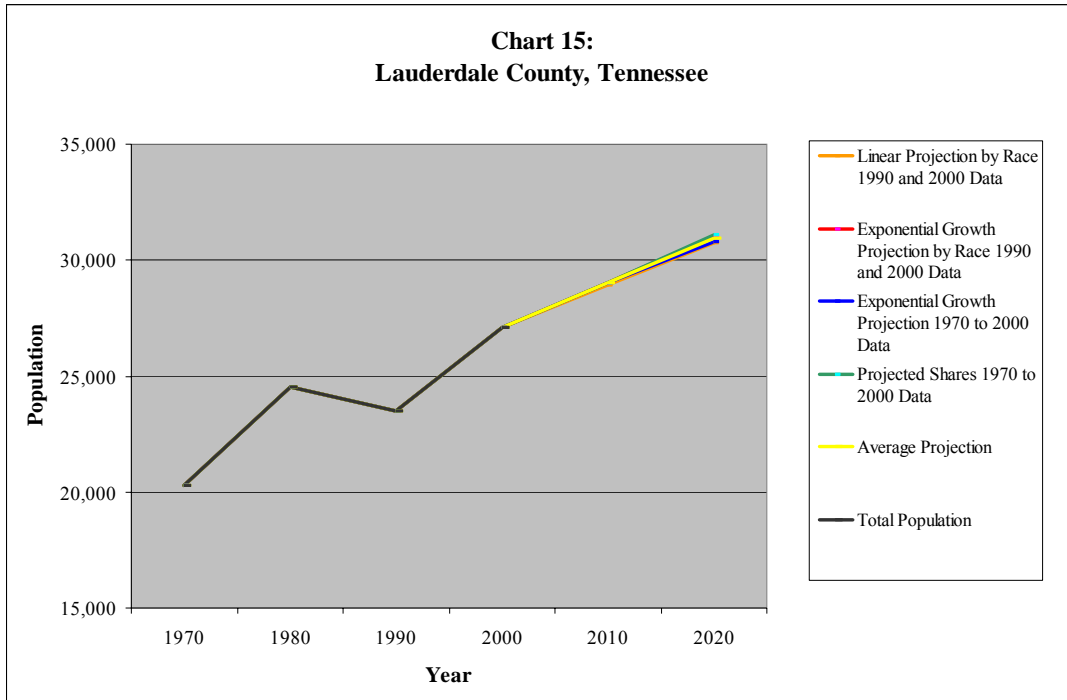
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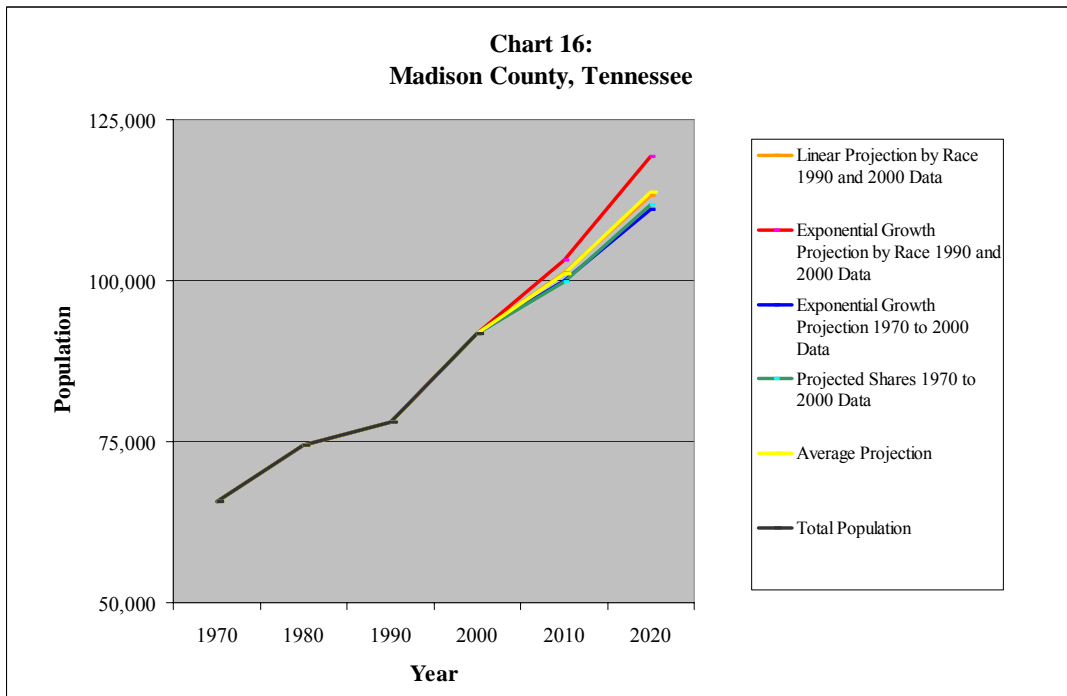
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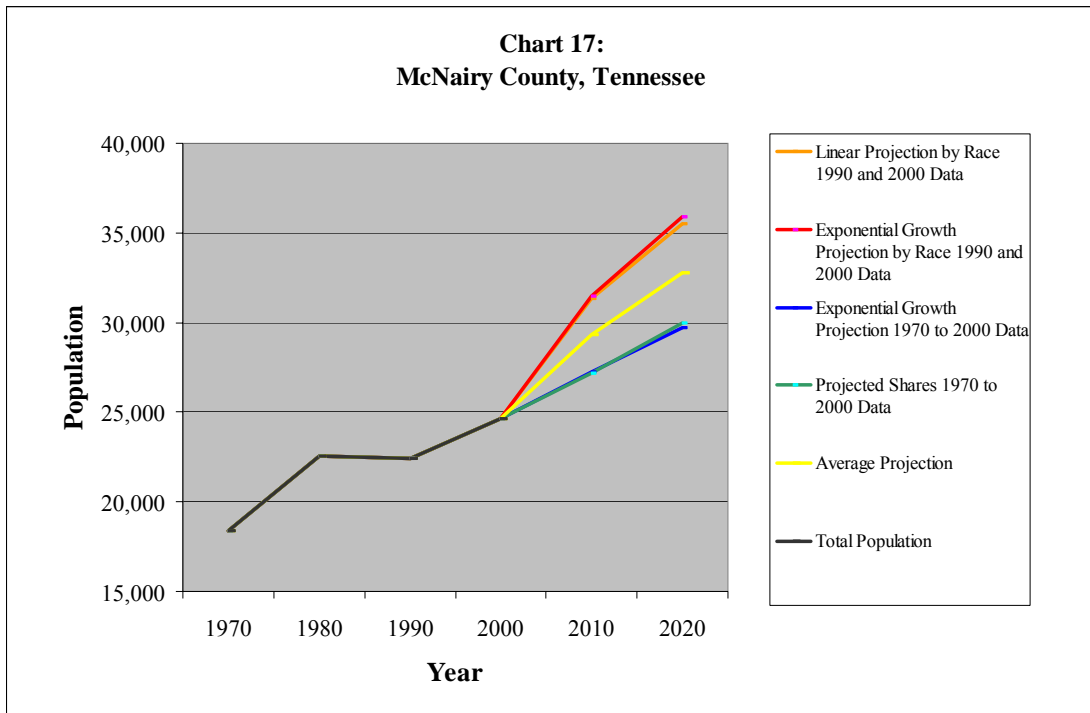
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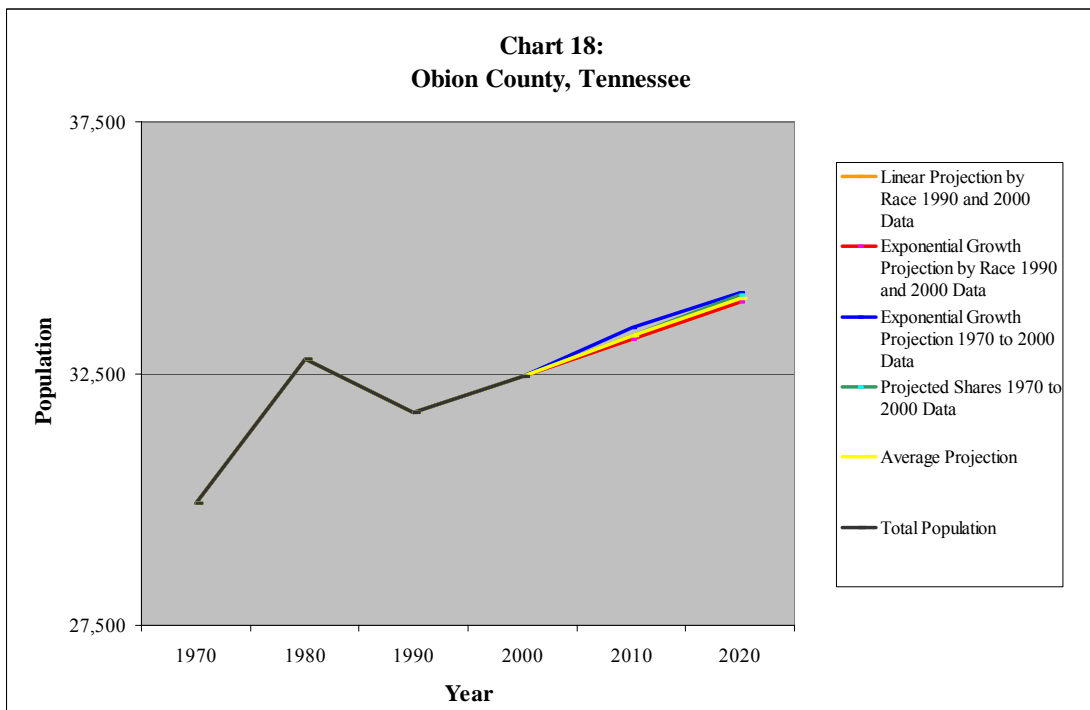
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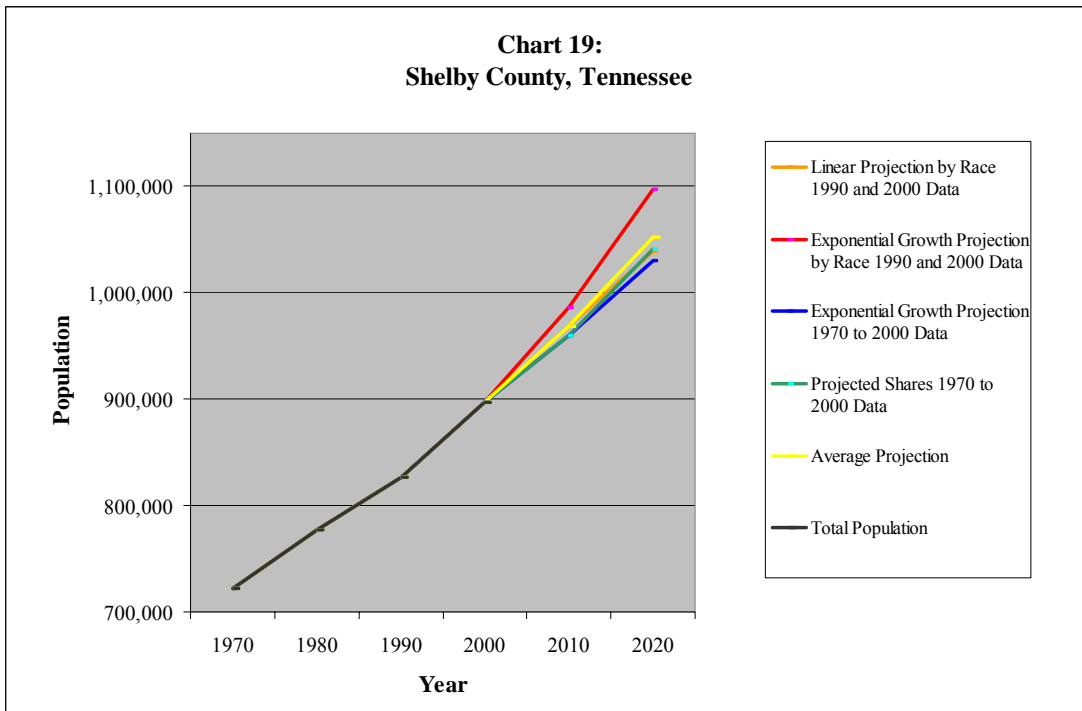
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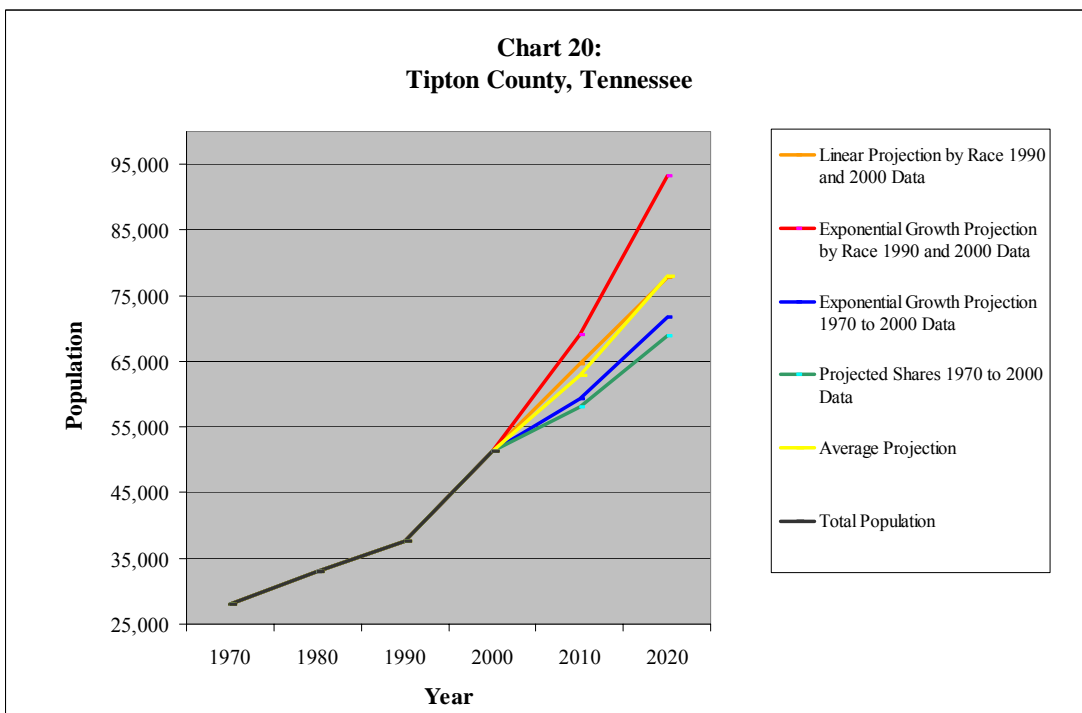
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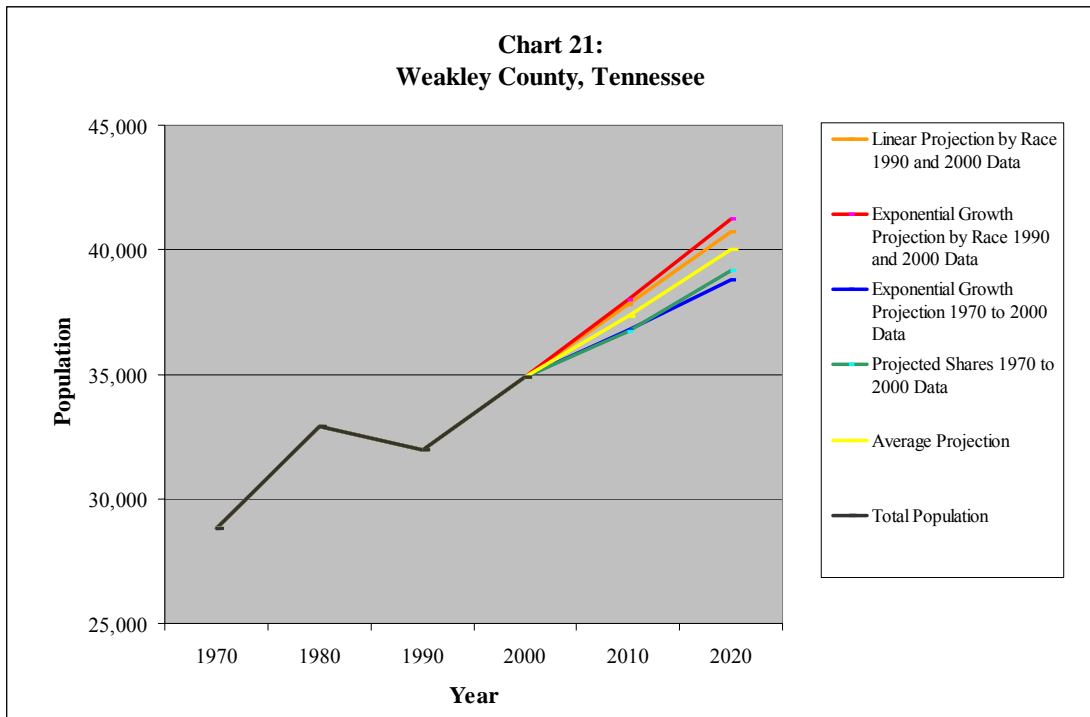
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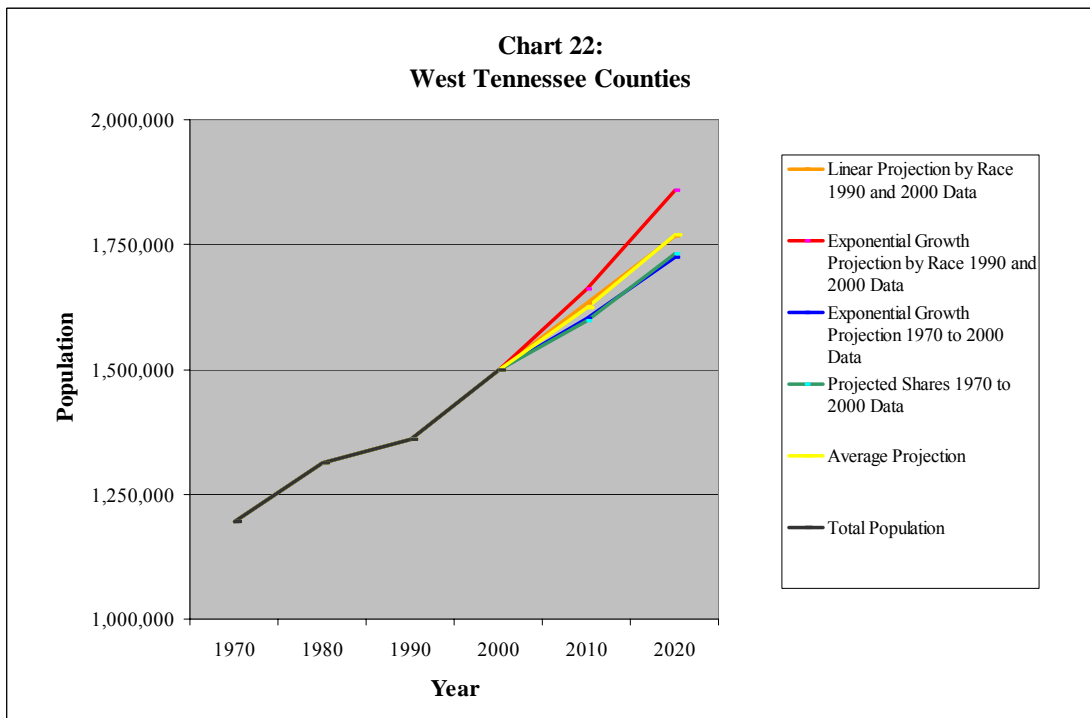
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## References

Redding, Steve. Employment and Real Wage Growth in Western Tennessee: 1989 – 1999, Regional Economic Development Center (REDC), The University of Memphis, 2002.

Redding, Steve. The Migration of People and Their Incomes in the Memphis MSA: 1992 to 1997, Regional Economic Development Center (REDC), The University of Memphis, 2000.

Bed Space and Capacities Report, July, 2002, Tennessee Department of Corrections. <http://www.state.tn.us/correction/planning/bed.html>, 2003.

1970 Census of Population and Housing, U.S. Bureau of the Census, Washington, DC, 1973.

1980 Census of Population and Housing, U.S. Bureau of the Census, Washington, DC, 1982.

1990 Census of Population and Housing, U.S. Bureau of the Census, Washington, DC, <http://www.census.gov>, 1992.

2000 Census of Population and Housing, U.S. Bureau of the Census, Washington, DC, <http://www.census.gov>, 2002.