Rural Economic Analysis Program



Department of Agricultural & Applied Economics 🕜 College of Agriculture and Life Sciences

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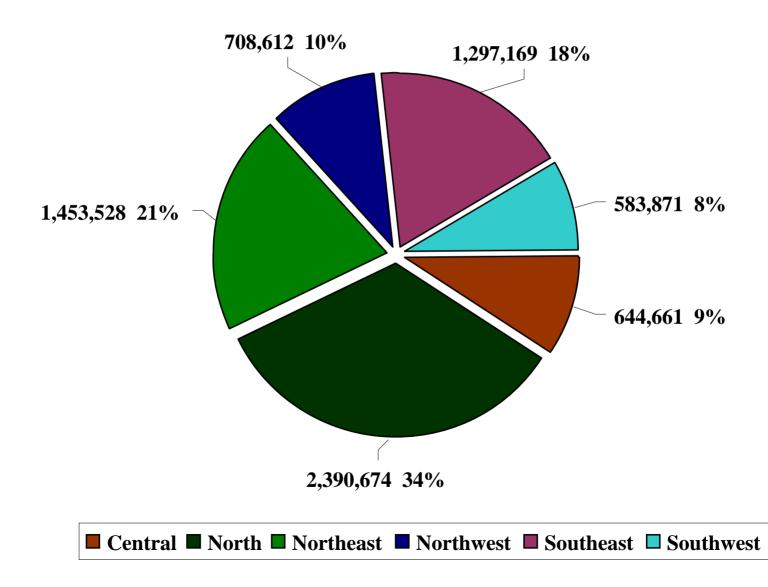
Virginia Issues and Analysis

Jim Pease Rural Economic Analysis Program (REAP) Department of Agricultural & Applied Economics

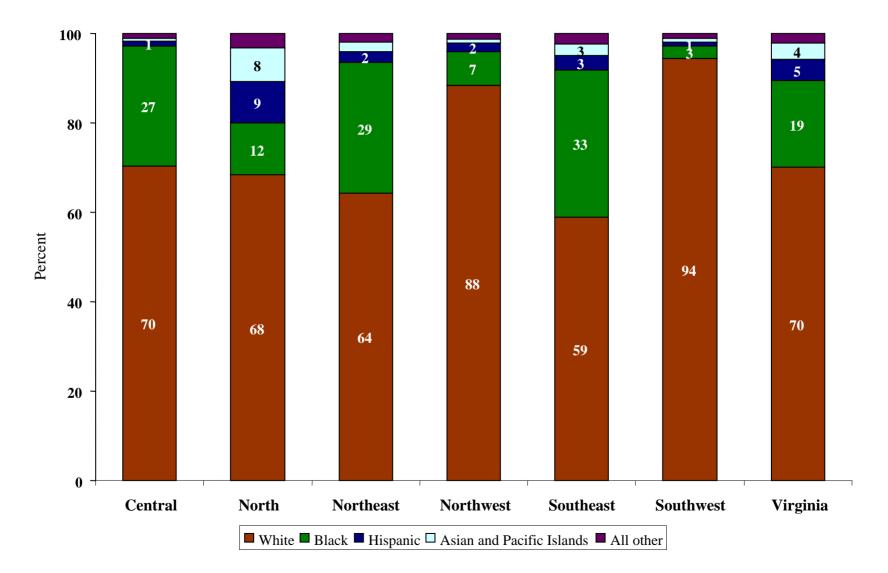
> Presented at VESA/VCE Conference April 18-20, 2005 Hotel Roanoke

Demographics

Population by District, 2000

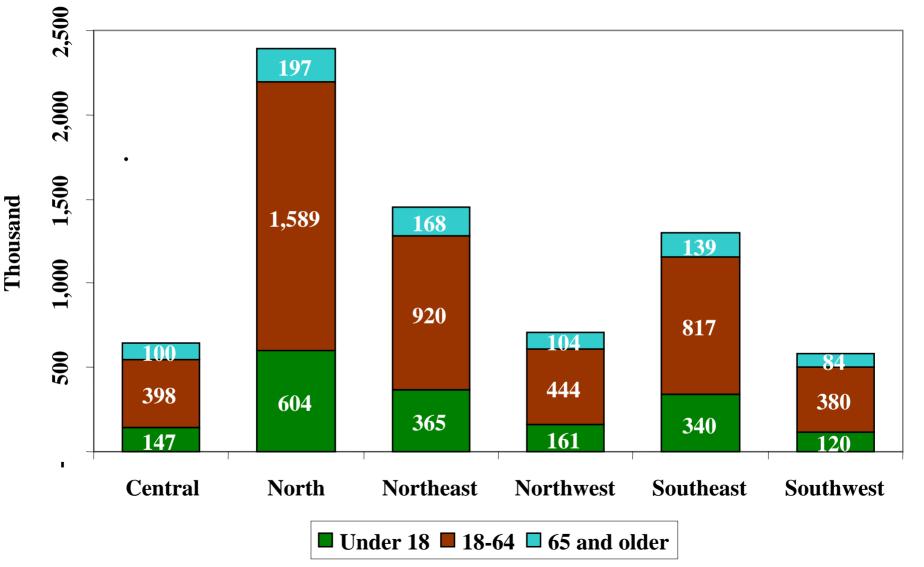


Race/Ethnic Composition by District, 2000

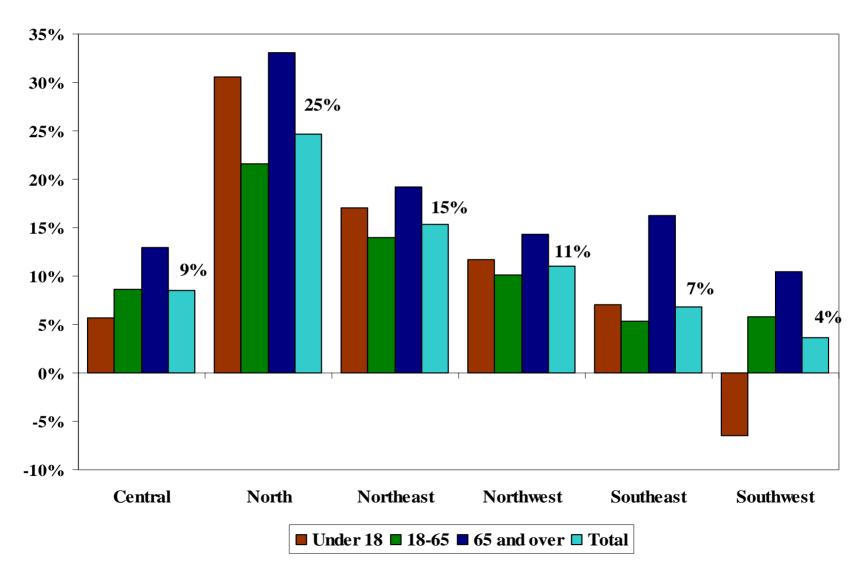


Source U.S. Bureau of the Census, 2000 Census of Population and Housing, Census File STF-1. Online at http://www.census.gov. Accessed 4 Mar. 05.

Population by Age Group & District, 2000

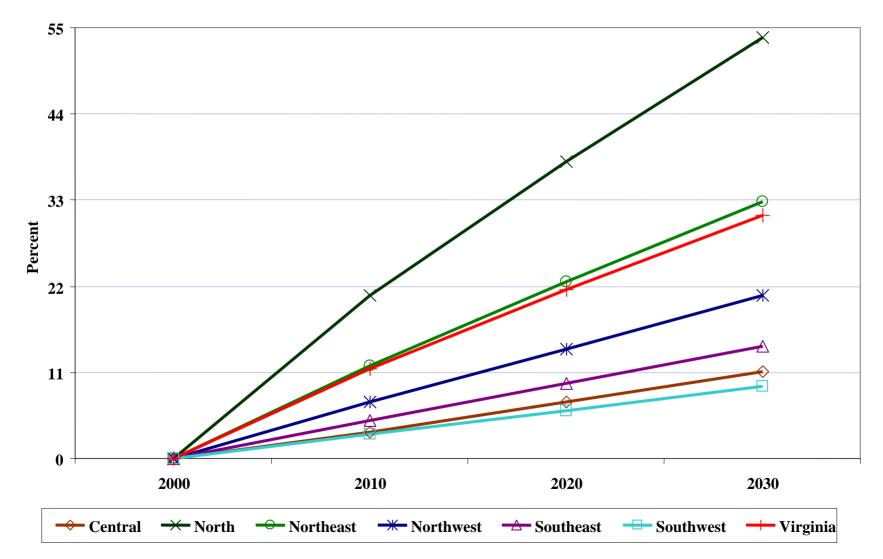


Population Growth by Age Group and District, 1990-2000

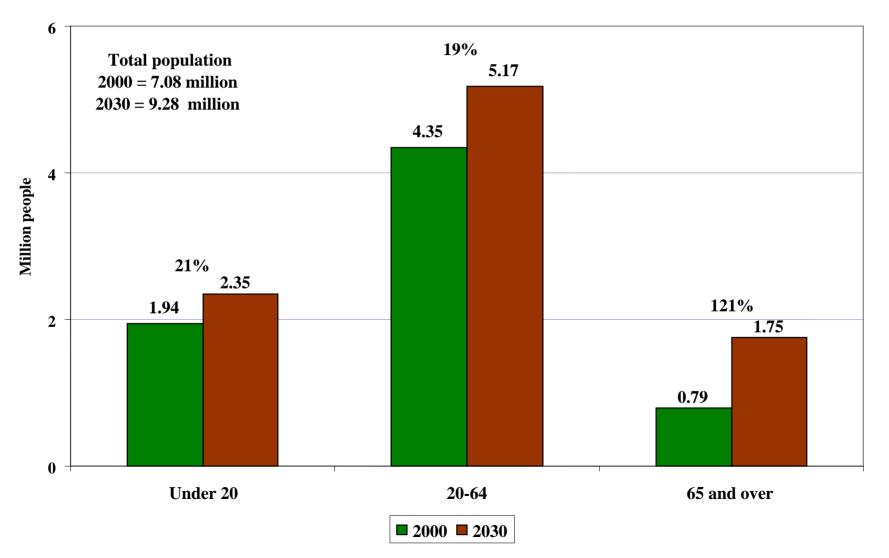


Source U.S. Bureau of the Census, 2000 Census of Population and Housing, Census File STF-1. Online at http://www.census.gov. Accessed 4 Mar. 05.

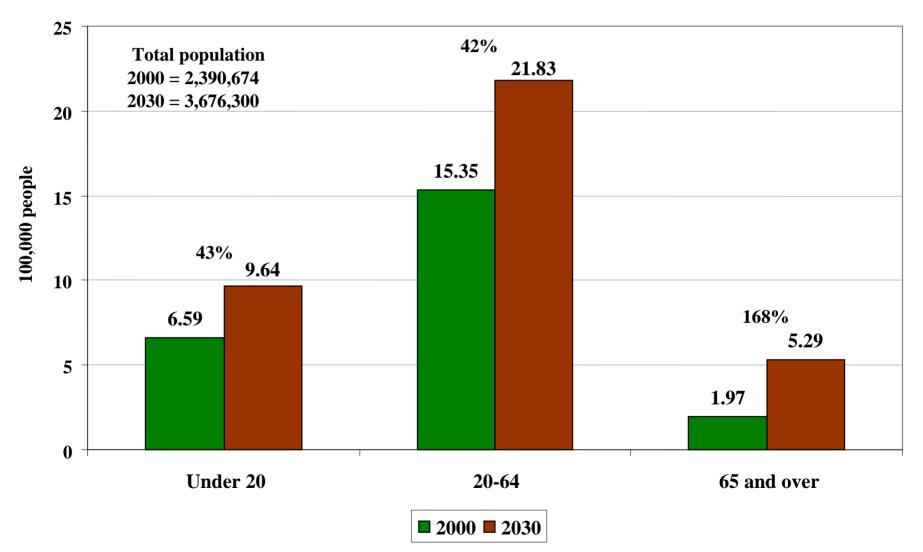
Projected Population Increase by District, 2000-2030



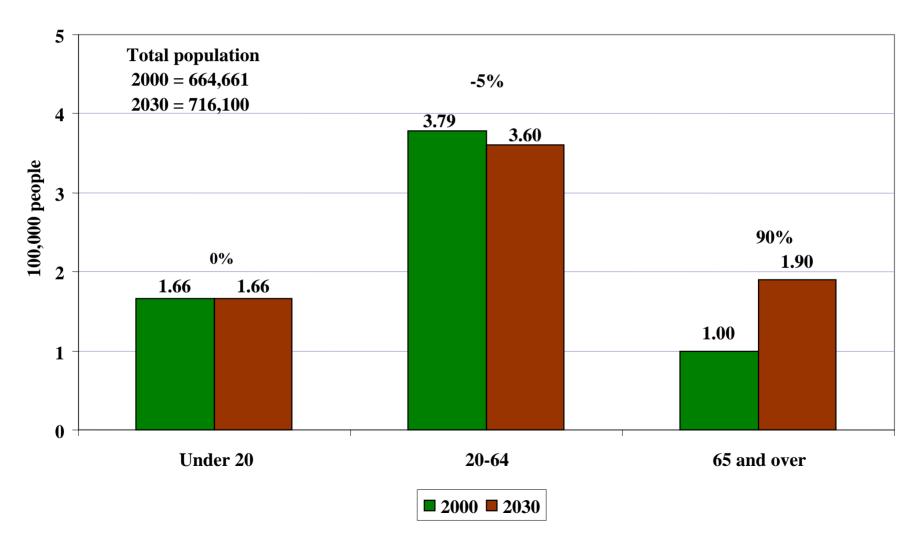
Virginia Population and Projections by Age Group, 2000 and 2030



Northern District Population and Projections, 2000 and 2030

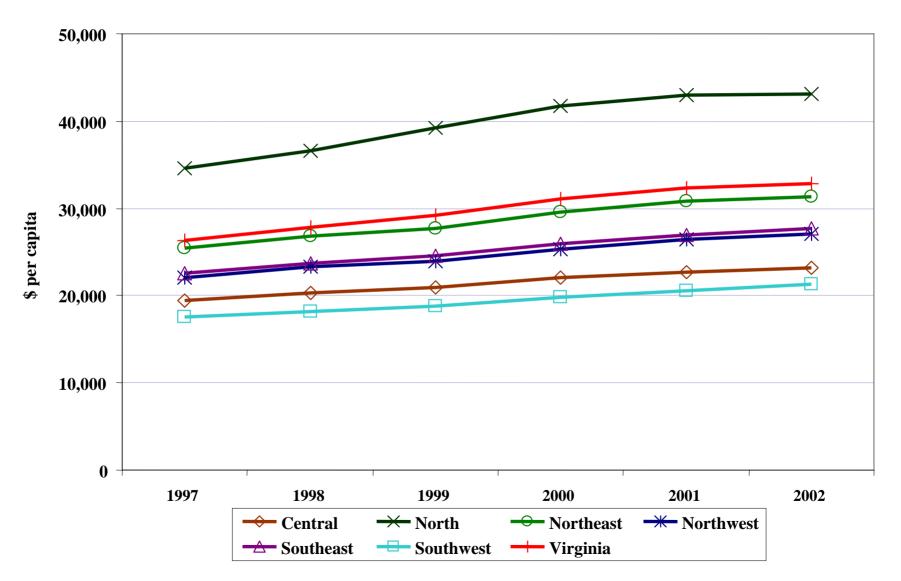


Central District Population and Projections, 2000 and 2030



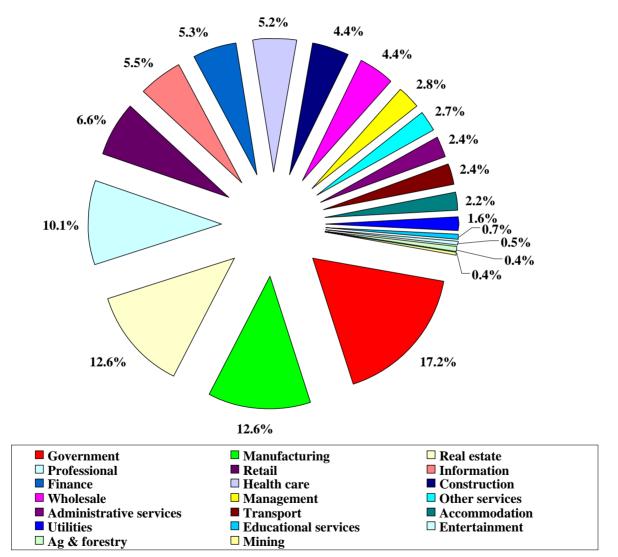
Economy

Per Capita Income by District, 1997-2002



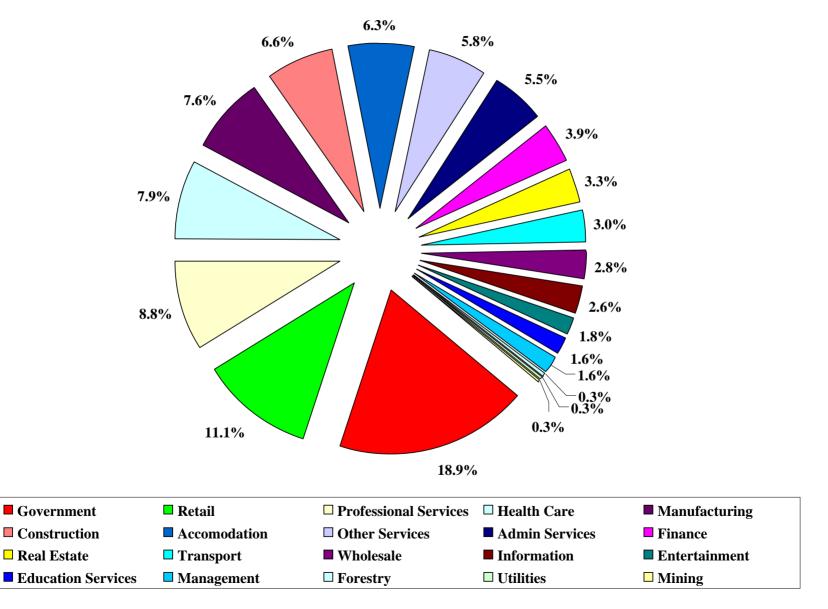
Source: U.S. Department of Commerce, Bureau of Economic Analysis, online at www.bea.gov/bea/regional/reis/, accessed 7 Mar 05.

Virginia Gross State Product by Industry, 2002



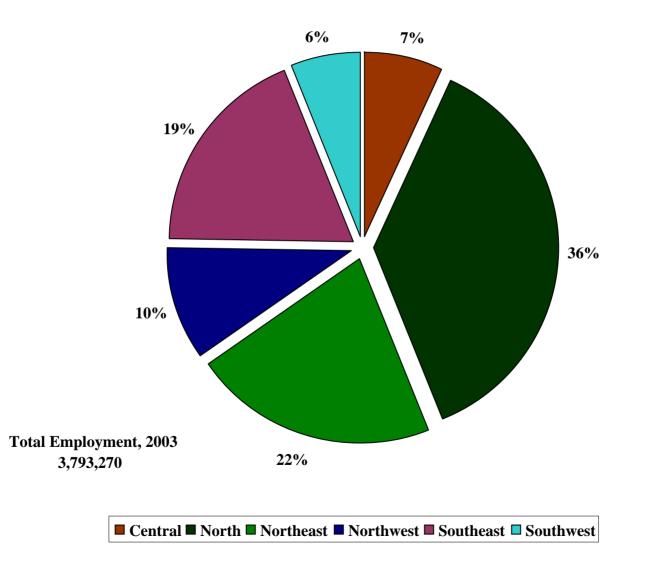
Source: U.S. Department of Commerce, Bureau of Economic Analysis, online at <u>www.bea.doc.gov/bea/regional/gsp.htm</u>, accessed 7 Mar 05.

State Employment by Sector, 2002



Source: U.S. Department of Commerce, Bureau of Economic Analysis, online at www.bea.doc.gov/bea/regional/reis/, accessed 7 Mar 05.

Employment by District, 2003



Source: Virginia Employment Commission, online at velma.virtuallmi.com/ accessed 7 Mar 05.

Virginia Non-farm Employment Projections by Industry, 2002-2012

Industry	Employment Change	Employment Change %
(sorted by total 2002 Jobs)	Change	Change 70
Total Employment, All Jobs	+640,245	+19
Professional and Business	+188,367	+34
Services		
Education and Health Services	+161,886	+27
Manufacturing	-3,540	-1
Natural Resources and Mining	-3,444	-5

Agriculture

Impacts of Virginia Agriculture

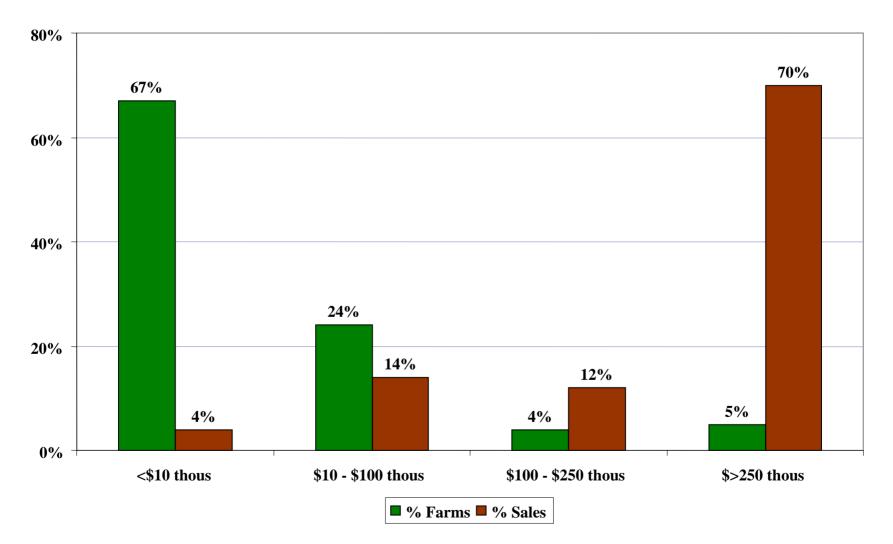
Direct and indirect economic impacts¹

- ► 11% of GSP (Gross State Product)
- ➤ 10% of total state employment
- Farms occupy 8.6 million acres (35%) of Virginia's 24.9 million acres land area²

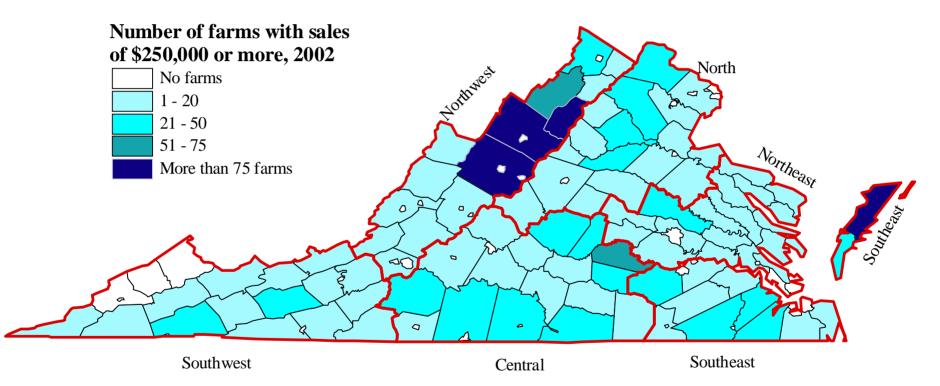
1. Lamie, D. 1998. The Economic Impact of Agriculture on the Commonwealth of Virginia, online at http://www.reap.vt.edu/, accessed 7 Mar 05

2. Census of Agriculture 2002, U.S. Department of Agriculture, online at www.usda.gov/nass/, accessed 7 Mar 05

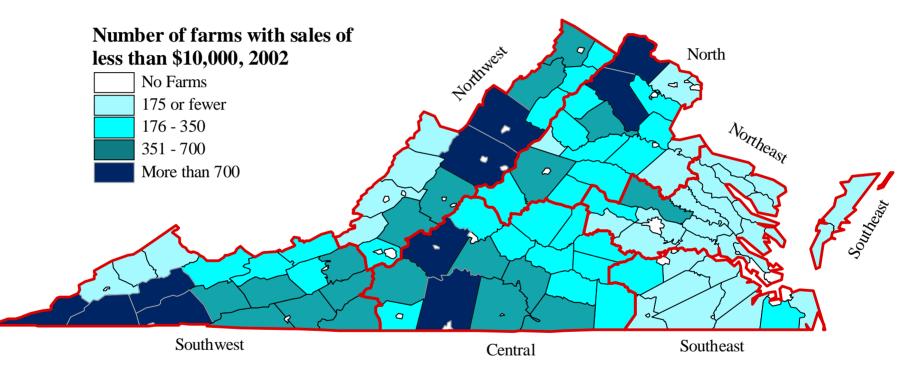
Virginia Farms and Sales by Sales Category, 2002



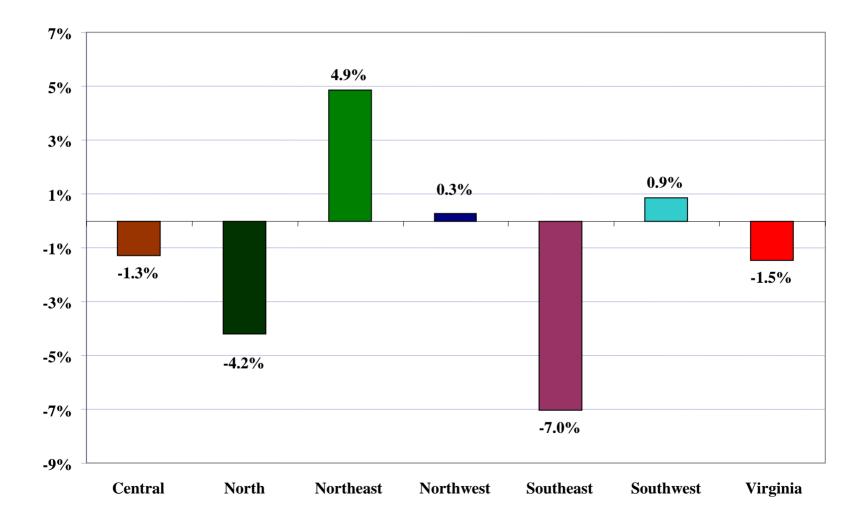
Farms with Sales Greater than \$250,000, 2002



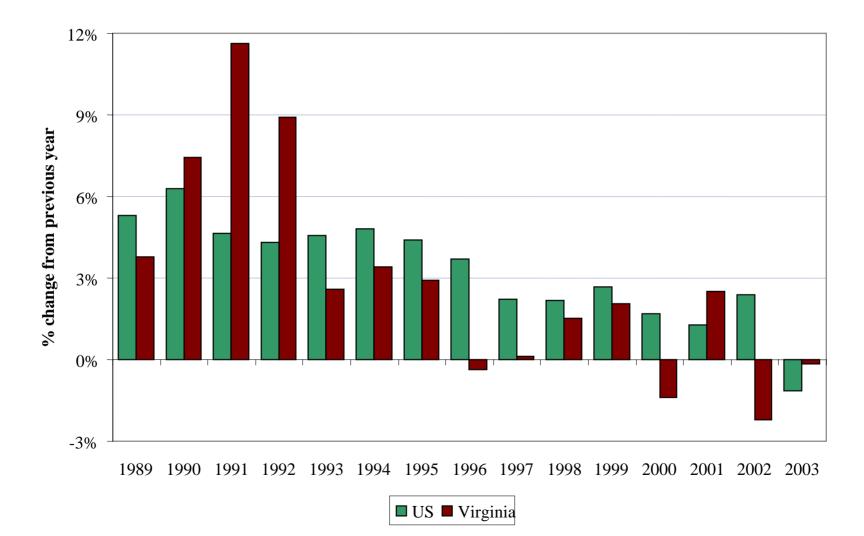
Number of Farms with Sales Less than \$10,000, 2002



Virginia Farm Acres by District, Percent Change, 1997 - 2002

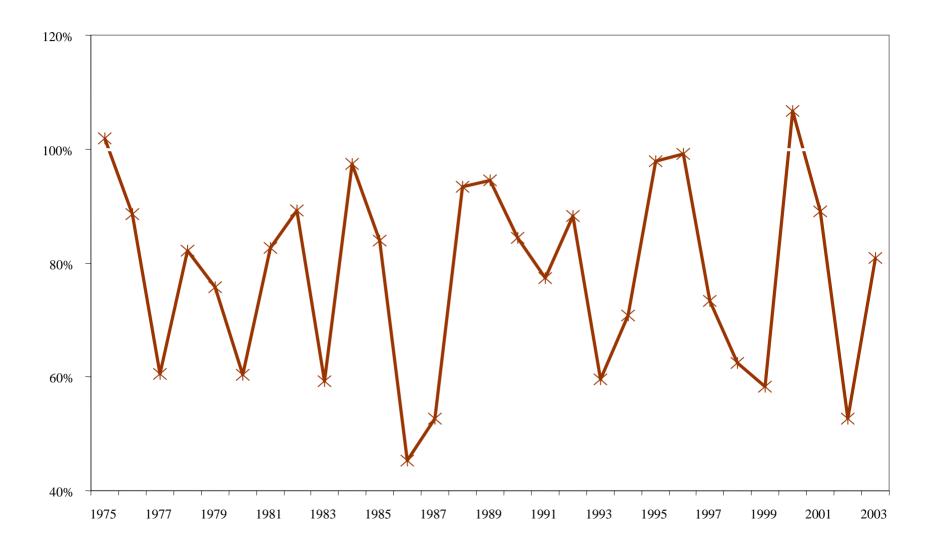


Broiler Production: US and Virginia Growth, 1989 - 2003



Source: USDA/NASS Poultry Production and Value, usda.mannlib.cornell.edu/data-sets/livestock/95910/, accessed 14 Dec. 2004

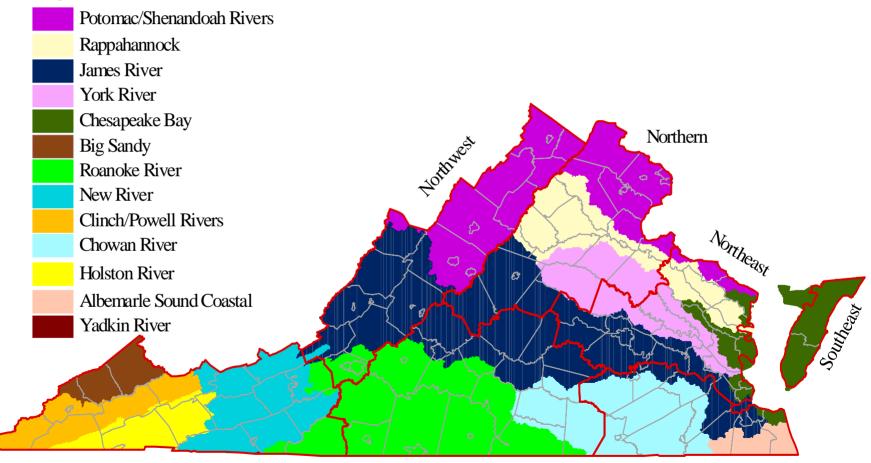
Virginia Corn Yield per Acre as Percent of US Yield, 1975 - 2003



Environment

Virginia Watersheds and Extension Districts

Major River Basins

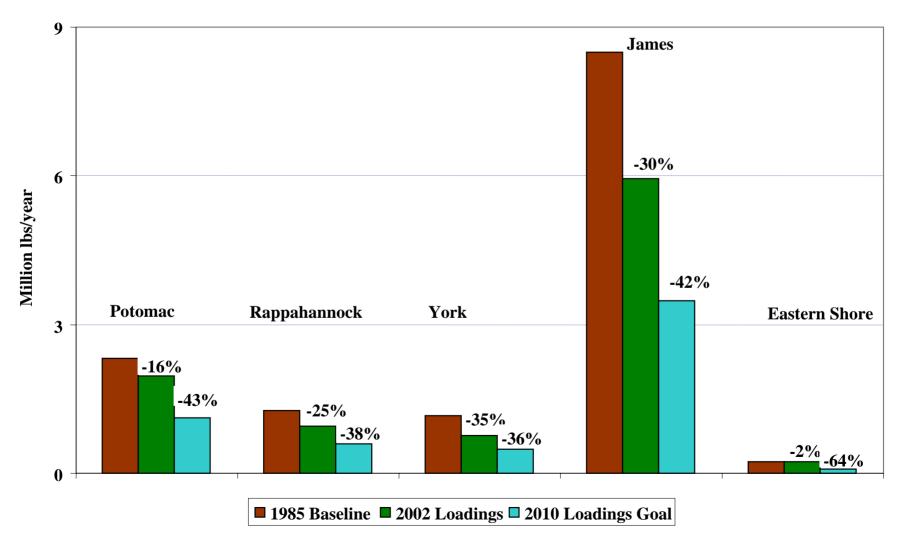


Southwest

Central

Southeast

Virginia Phosphorus Loadings by Watershed, Baseline, 2002 and Goals 2010



Source: Compiled from "Nitrogen, Phosphorus and Sediment Loads by River Basin", Karl Blankenship, Bay Journal, March 2005, online at www.bayjournal.com, accessed 7 Mar 05.

Chesapeake 2000 Goals

Current

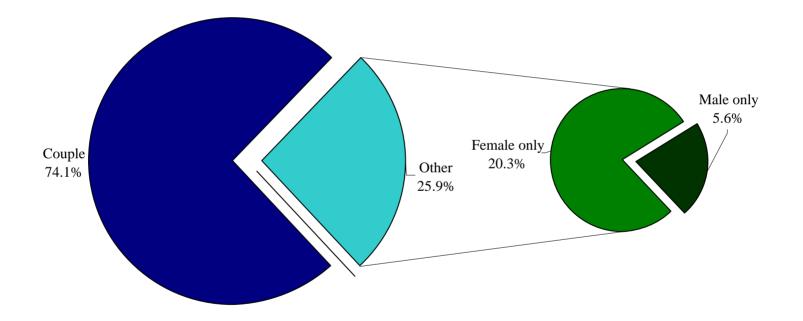
- ≻40% of ag land with NMPs
- >0% of open mixed land with NMPs
- > 3% of urban land with NMPs
- BMPs implemented in few septic systems

2010

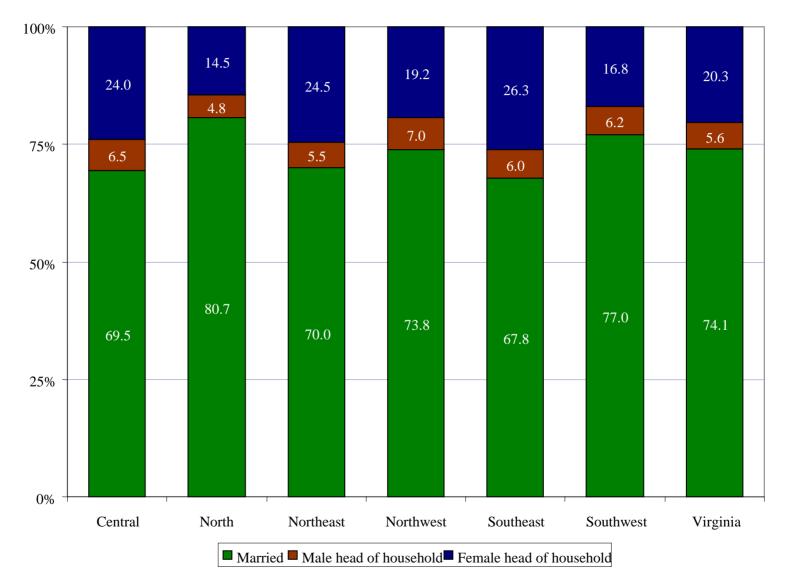
- ➢ 90% of ag land with NMPs
- 78% of open mixed land with NMPs
- 100% of urban land with NMPs
- 60% of septic systems have BMPs

Families, Children, and Education

Heads of Households, Children under 18, 2000

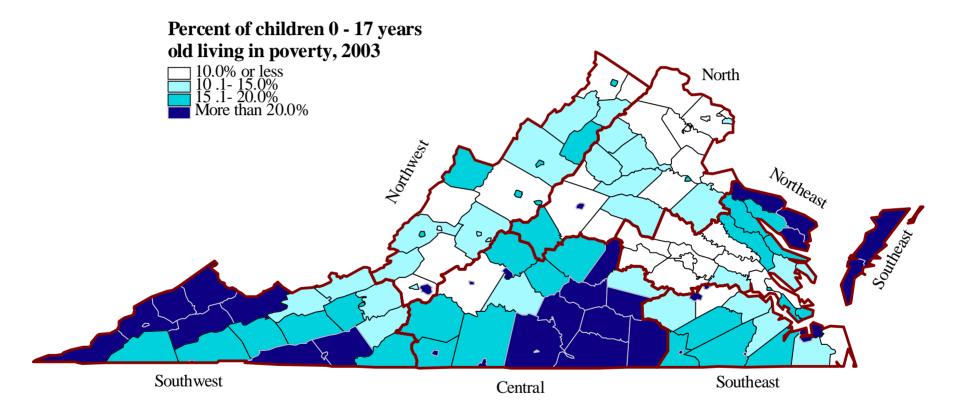


Households with Children by District, 2000

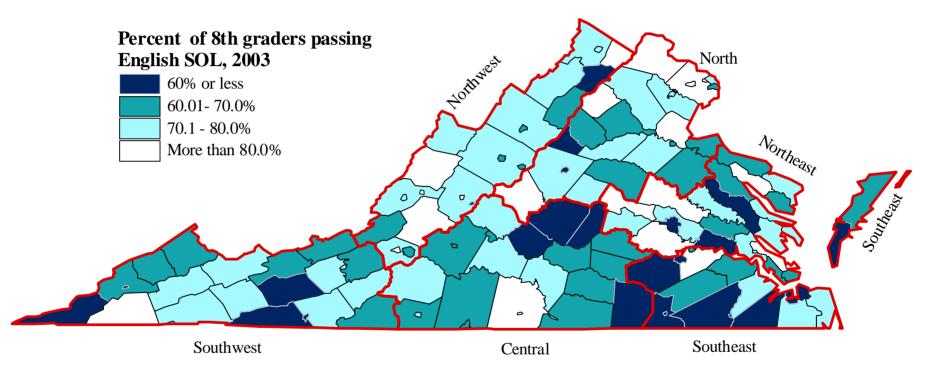


Source U.S. Bureau of the Census, 2000 Census of Population and Housing, Census File STF-1. Online at http://www.census.gov. Accessed 4 Mar. 05.

Children in Poverty, 2003

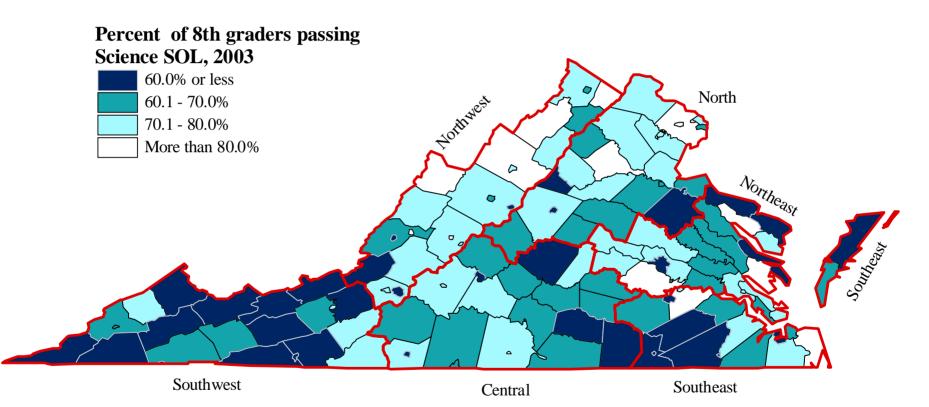


Percent of Students Passing 8th Grade English SOL, 2003



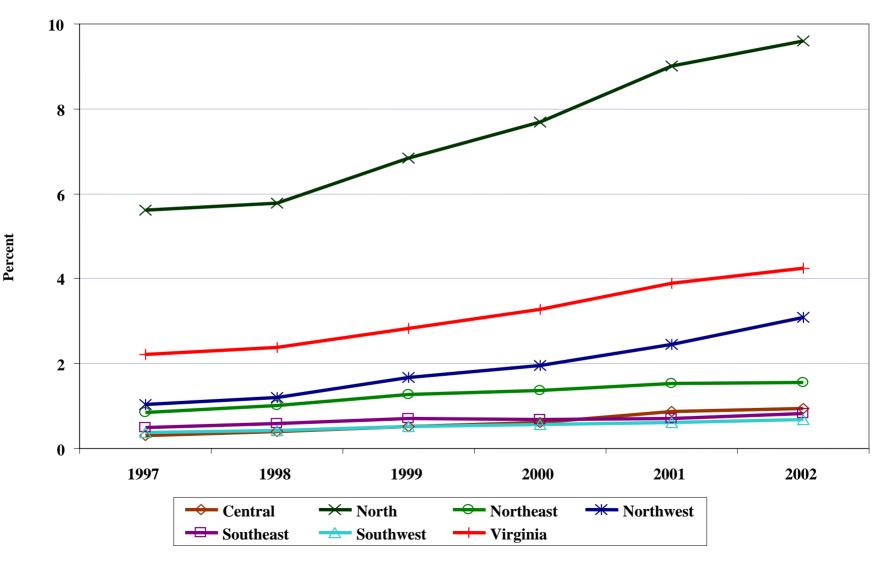
Source: Virginia Dept. of Education. Assessment, "2001-2003 School-by-School SOL Assessment Results." Online http://www.pen.k12.va.us/VDOE/Assessment/home.shtml. Accessed 1 Mar, 05.

Percent of Students Passing 8th Grade Science SOL, 2003



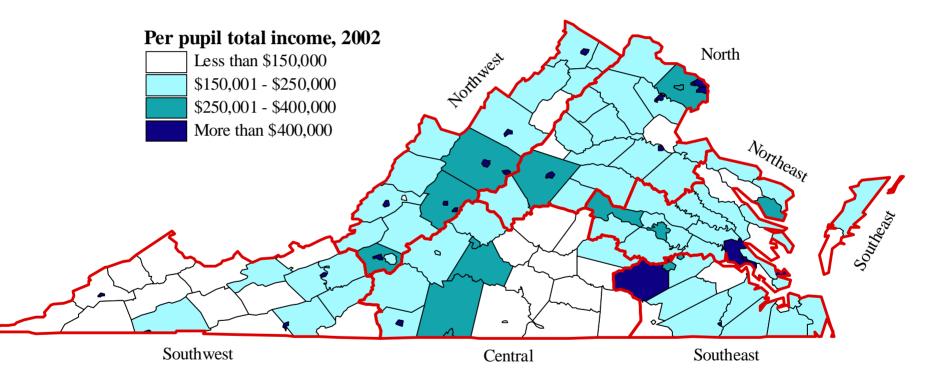
Source: Virginia Dept. of Education. Assessment, "2001-2003 School-by-School SOL Assessment Results." Online http://www.pen.k12.va.us/VDOE/Assessment/home.shtml. Accessed 1 Mar, 05.

K-12 Students with Limited English, 2002



Source: Virginia Department of Education, "Limited English Proficiency". Online at http://www.pen.k12.va.us/VDOE/Publications/rep_page.htm. Accessed 2 Mar. 05.

Local Ability to Pay for Education: Personal Income per Pupil, 2002

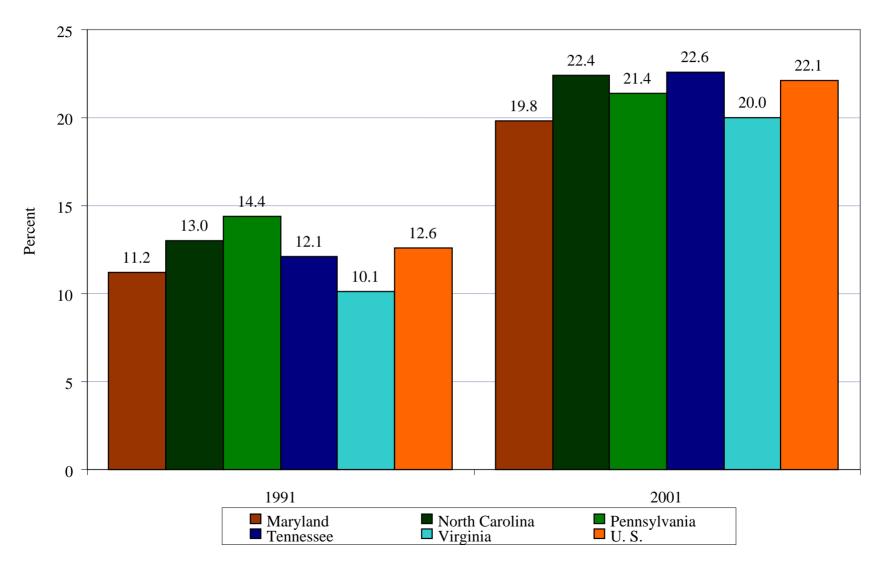


Sources: Dept of Commerce, Bureau of Economic Analysis. "Personal Income." Regional Economic Information System Data, 1969 – 2002. Online at *www.bea.doc.gov/bea/regional/statelocal.htm.* Accessed 1 Mar. 05.

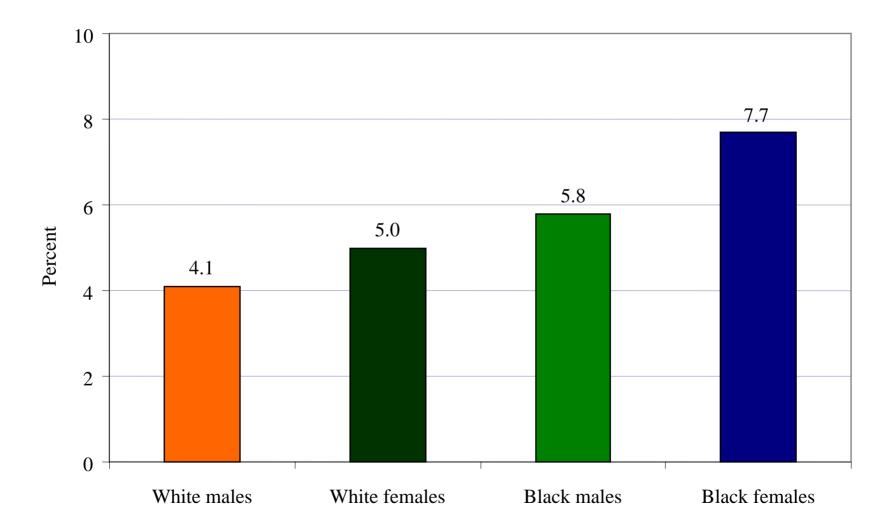
Virginia Dept. of Education. "Sources of Financial Support for Expenditures, Total Local Expenditures for Operations and Total Per Pupil Expenditures for Operations, Fiscal Year 2003." Online at http://www.pen.k12.va.us/VDOE/Publications/rep_page.htm. Accessed 1 Mar. 05.

Health

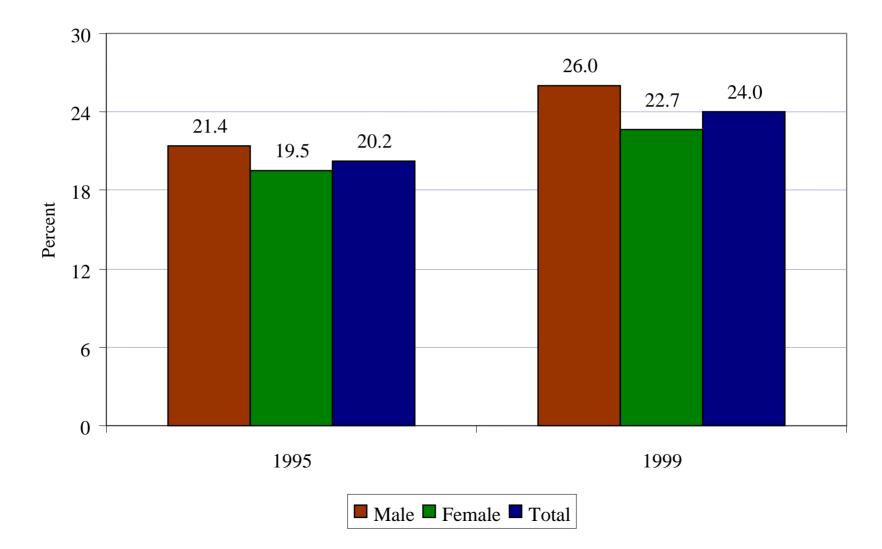
Obesity in Adults, 1991 and 2001



Virginia Incidence of Diabetes, by Gender and Race, 1999

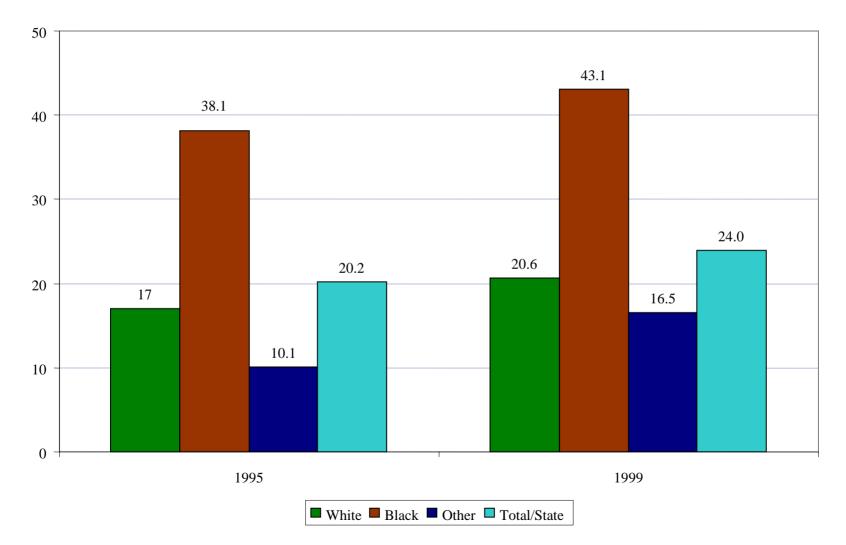


Diabetes as a Principal Cause of Death, by Gender, Virginia 1995 and 1999



Source: Center for Disease Control, National Center for Chronic Disease Prevention and Health Promotion. Online at <u>www.cdc.gov/nccdphp/dnpa/obesity/trend/prev_reg.htm</u>. Accessed 25 Feb. 05.

Diabetes as Principal Cause of Death by Race, Virginia 1995 and 1999



Source: Center for Disease Control, National Center for Chronic Disease Prevention and Health Promotion. Online at www.cdc.gov/nccdphp/dnpa/obesity/trend/prev_reg.htm. Accessed 25 Feb. 05.

Take-Away Points

- Health crisis of obesity and diabetes
- Non-traditional child raising and inequitable educational opportunities
- Environmental concerns will increase, not go away
- Agriculture is critical for economy, environment, land use, but most farm households rely on other income
- Economy and population increasingly concentrated in northern and eastern Virginia



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