Demographics & Your Community

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Cornell Municipal Clerks Institute

Monday, July 21, 2008

1st Year Curriculum

With very special thanks to ……

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Much of the material for this presentation is taken from their workshop presentation given in July 2007.

Workshop Topics

- Where Does Our Data Come From?
- Accessing Census Data on the Web
- Interpreting Demographic Change
- Planning for the 2010 Census

What do we need data for?

- Establish baseline measures (e.g., what is the poverty rate in our community?)
- Compare to other communities, organizations, etc. (e.g., how does our current poverty rate compare to surrounding communities in our area? To the state average?
- Establish goal for future (e.g., in 10-20 years we would like our poverty rate to decline by x%).
- Measure change over time and evaluate progress towards goal
- Other purposes?

Where Does Data Come From?

Census Data

Why Do We Take a Census?

- Congressional Reapportionment
- State and Local Redistricting
- State and Federal Funds Allocation
- Planning
- Research

How Do We Take the Census?

Through Address Based Enumeration

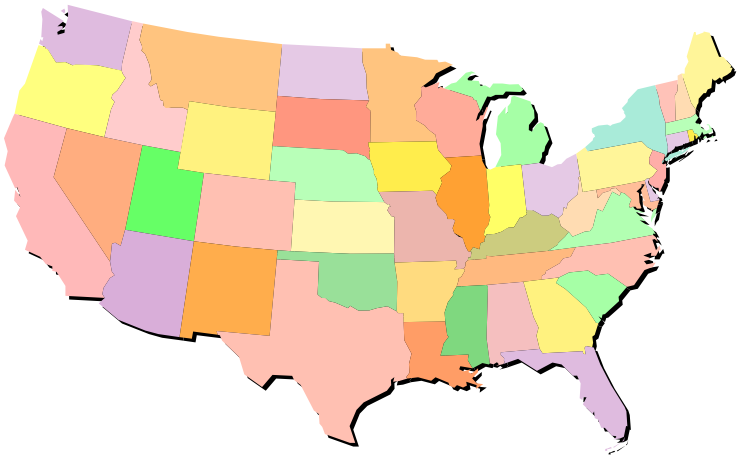
- Concerned with capturing the housing unit – <u>not the people</u>
- **Compile a Master Address File (MAF)**
  - 120 million addresses
- **Updated with:**
  - UPSP Delivery Sequence File
  - Pre-Census Field Address Listing
  - Local Address Review - LUCA
- Every address will be accounted for

Enumeration and Follow-up

- Enumeration methods
  - Mailout-Mailback
  - Update leave
  - List enumerate
- NRFU (Non-Response Follow-Up)
- Under(over)-enumeration
- Local Address Review

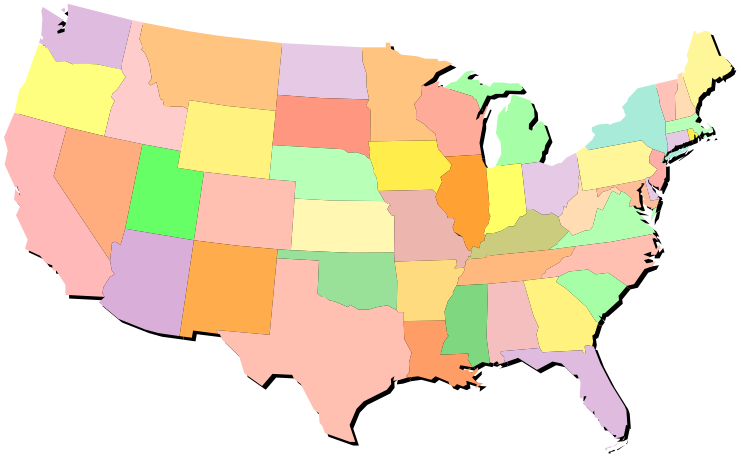
Geography

- Governmental/Political Units
  - U.S.
  - States
  - Counties
  - Towns
  - Cities
  - Villages
  - Indian Reservations
  - Split areas



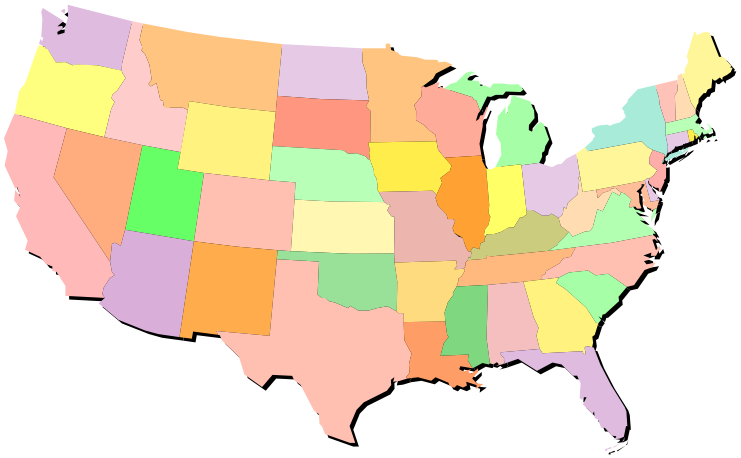
Geography

- Administrative Units
  - Congressional Districts
  - State Legislative Districts
  - School Districts
  - Zip Codes
  - Traffic Analysis Zones (TAZ)



Geography

- Statistical Units
  - Census Tracts
  - Block Groups
  - Blocks
  - Metropolitan Areas
  - Urban/Rural



What Data is Collected?

- Short Form vs. Long Form
  - 100% Questions
    - 6 Population items
    - 1 Housing item
  - Sample Questions (Approx. 1 in 6 sample)
    - Detailed Socio-economic characteristics of population
    - Detailed Physical and Financial characteristics of housing

Summary Data Profiles

- DP1 - General Demographic Characteristics
- DP2 - Social Characteristics
- DP3 - Economic Characteristics
- DP4 - Housing Characteristics

American Community Survey
The New Census!

- Replacement for the 2010 Long Form
- Large monthly sample
- Generate annual estimates for small areas
- Full coverage began in 2005
- Issues of data comparability and statistical error

Access to Data – the NY State Data Center Program

- Data Dissemination
- Technical Assistance
- Research and analysis

Through:

Local Data Center Affiliates

U.S. Census Bureau

Subjects A to Z | FAQs | Privacy Policy | Help

Daily Radio Features
PROFILE AMERICA (Al Dia)

- New on the Site
- Data Tools
- American FactFinder
- Jobs@Census
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- Publications
- Are You in a Survey?
- About the Bureau
- Regional Offices
- Doing Business with Us
- Related Sites

65+ In The United States 2005

SEARCH: FAQs Census.gov GO

United States Census 2000
Your Gateway to Census 2000 · Census 2000 EEO Tabulations · Summary File 4 (SF 4) · Summary File 3 (SF 3)

People & Households
Estimates · American Community Survey · Projections · Housing · Income | State Family Income · Poverty · Health Insurance · International · Genealogy · More

Business & Industry
Economic Census · Economic Indicators · NAICS · Survey of Business Owners · Government · E-Stats · Foreign Trade | Export Codes · Local Employment Dynamics · More

Geography
Maps · TIGER · Gazetteer · More

Newsroom
Releases · Facts For Features · Minority Links · Broadcast and Photo Services · More

Special Topics
Hurricane Data and Emergency Preparedness · Census Calendar · Training · For Teachers · Statistical Abstract · FedStats · FirstGov

DataFerrett: The tool for intensive data mining

Data Finders

Population Clocks
U.S. 299,258,020
World 6,529,300,277
15:39 GMT (EST+5) Jul 19, 2006

Latest Economic Indicators
- Housing Starts
- Manufacturing and Trade Inventories and Sales

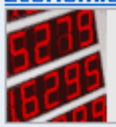
Population Finder

city/ town, county, or zip
or state
-- select a state -- GO

Find An Area Profile with QuickFacts

Select a state to begin
-- select a state --

Economic Indicators



Select an indicator
-- select an indicator --

U.S. Census Bureau

Census 2000 Gateway | Glossary

United States Census 2000

Your Gateway to Census 2000

Thank you, America, for your participation in Census 2000.
The population of the U.S. on April 1, 2000 was **281,421,906** [PDF 2M].

Information Links

News Media - News releases, web casts, tip sheets, videos, photos, and embargo access

Introduction to Census 2000 Data - Overviews of Census 2000 and PowerPoint slides to download

Release Schedules by:
- Product
- Geography
- Subject

Census Store - Order products on-line

Evaluations - Results from the Census 2000 Testing, Experimentation, and Evaluation Program

Special Tabulations - Program for obtaining custom data tabulations

Count Question Resolution - Program for challenging Census 2000 counts

Notes and Errata [PDF 1.4m] - Includes geography and data corrections

Questionnaires - Short and long forms, and why we asked the questions

Operations - Overview information, participation rates, and ESCAP

Local Sources for Census 2000 Regional Offices, State Data Centers, Census Information Centers, and Depository Libraries

Partnerships - Information of interest

Access Data by Geography

American FactFinder

Tables and maps of Census 2000 data for all geographies to the block level Go

State&County QuickFacts

Summaries of the most requested data for states and counties Go

Enter a **street address** to find Census 2000 data

Data Highlights

Data highlights, documentation, and FTP access for the U.S., states, counties, places (cities & towns) and more. Data for Puerto Rico (en español) and Island Areas.

Select a state: United States Go

Census Data

Rankings and Comparisons (PHC-T)
Tables showing population change, comparisons with 1990, Race and Hispanic or Latino origin, and other topics for states, counties, and places

Census 2000 Briefs and **Special Reports**
Analytical reports on population change, race, age, family structure, housing, apportionment, and more

Publications Library
View or download published results from Census 2000 available in Portable Document Format (PDF).

Geographic Products and Information
Maps and digital geographic products for

Census 2000 Data Releases
- Demographic Profiles
- Summary File 1
- Summary File 2
- Summary File 3
- Summary File 4
- American Indian and Alaska Native Summary File (AIANSF)
- Congressional Apportionment
- Congressional District Summary Files (108th)
- Congressional District Summary Files (109th)
- Resident Population
- Redistricting Data

Microdata
- 1-Percent Public Use Microdata Sample

U.S. Census Bureau

American FactFinder

FactFinder

Main | Search | Feedback | FAQs | Glossary | Site Map | Help

Your source for population, housing, economic, and geographic data

- POPULATION FINDER
- FACT SHEET
- PEOPLE
- HOUSING
- BUSINESS AND GOVERNMENT
- ABOUT THE DATA
- DATA SETS
- DOWNLOAD CENTER
- MAPS
- TOOLS AND REFERENCES

Address Search...

Enter a street address to find Census 2000 data

- Browser Notes
- Confidentiality
- Citing FactFinder

Fast Access to Information

Get a **Fact Sheet** for your community...

city/town, county, or zip

state -- select a state -- GO

or select a state using a map »

Getting Detailed Data

Decennial Census - taken every 10 years to collect information about the people and housing of the United States
learn more | get data

See the Count Question Resolution Program for information on Census 2000 count corrections.

American Community Survey - an ongoing survey that provides data about your community every year
learn more | get data

Population Estimates Program - population numbers between censuses
learn more | get data

Economic Census - profiles the U.S. economy every 5 years
learn more | get data

Annual Economic Surveys - data from the Annual Survey of Manufactures and Nonemployer Statistics
learn more | get data

Special Interest

Censo 2000 Puerto Rico en español

American Indian and Alaska Native data and links

Kids' Corner - Learn fun facts about your state and take a quiz

Information on Religion and Genealogy

Population Data

Population Finder

Use the Population Finder to view population trends for your community.

U.S. Population Clock

15:39 GMT (EST+5) Jul 19, 2006

299,258,020

more population clocks »

What's New

The first release of **2004 County Business Patterns** data is now available in American FactFinder. more »

2005 Population Estimates for cities and towns are now available in American FactFinder more »

Updates to American FactFinder released April 20, 2006. more »

2002 Economic Census data continue to be released on a flow basis, as Quick Reports, Thematic Maps, and Detailed Statistics Data Sets.

Data from the 2002 Business Expenses Survey and 2002 Survey of Business Owners are now available in American FactFinder.

archive »

Also see the Bureau's latest news releases and The Broadcast Zone.

FACT SHEET

United States

United States

city/town, county, or zip

state

-- select a state -- GO

search by address »

2000 | 2004

View a Fact Sheet for a race, ethnic, or ancestry group

Census 2000 Demographic Profile Highlights:

Reference Map

General Characteristics - show more >>	Number	Percent		
Total population	281,421,906		map	brief
Male	138,053,563	49.1	map	brief
Female	143,368,343	50.9	map	brief
Median age (years)	35.3	(X)	map	brief
Under 5 years	19,175,798	6.8	map	
18 years and over	209,128,094	74.3		
65 years and over	34,991,753	12.4	map	brief
One race	274,595,678	97.6		
White	211,460,626	75.1	map	brief
Black or African American	34,658,190	12.3	map	brief
American Indian and Alaska Native	2,475,956	0.9	map	brief
Asian	10,242,998	3.6	map	brief
Native Hawaiian and Other Pacific Islander	398,835	0.1	map	brief
Some other race	15,359,073	5.5	map	
Two or more races	6,826,228	2.4	map	brief
Hispanic or Latino (of any race)	35,305,818	12.5	map	brief
Household population	273,643,273	97.2	map	brief
Group quarters population	7,778,633	2.8	map	
Average household size	2.59	(X)	map	brief
Average family size	3.14	(X)	map	
Total housing units	115,904,641		map	
Occupied housing units	105,480,101	91.0		brief
Owner-occupied housing units	69,815,753	66.2	map	
Renter-occupied housing units	35,664,348	33.8	map	brief
Vacant housing units	10,424,540	9.0	map	

DP-1. Profile of General Demographic Characteristics: 2000

Data Set: Census 2000 Summary File 1 (SF 1) 100-Percent Data
Geographic Area: **United States**

NOTE: For information on confidentiality protection, nonsampling error, definitions, and count corrections see http://factfinder.census.gov/home/en/datanotes/expsf1u.htm.

Subject	Number	Percent
Total population	**281,421,906**	**100.0**
SEX AND AGE		
Male	138,053,563	49.1
Female	143,368,343	50.9
Under 5 years	19,175,798	6.8
5 to 9 years	20,549,505	7.3
10 to 14 years	20,528,072	7.3
15 to 19 years	20,219,890	7.2
20 to 24 years	18,964,001	6.7
25 to 34 years	39,891,724	14.2
35 to 44 years	45,148,527	16.0
45 to 54 years	37,677,952	13.4
55 to 59 years	13,469,237	4.8
60 to 64 years	10,805,447	3.8
65 to 74 years	18,390,986	6.5
75 to 84 years	12,361,180	4.4
85 years and over	4,239,587	1.5
Median age (years)	35.3	(X)
18 years and over	209,128,094	74.3
Male	100,994,367	35.9
Female	108,133,727	38.4
21 years and over	196,899,193	70.0
62 years and over	41,256,029	14.7
65 years and over	34,991,753	12.4
Male	[illegible]	[illegible]

Data Sets

POPULATION FINDER
FACT SHEET
PEOPLE
HOUSING
BUSINESS AND GOVERNMENT
ABOUT THE DATA
DATA SETS
- Decennial Census
- American Community Survey
- Annual Population Estimates
- Economic Census
- Annual Economic Surveys

DOWNLOAD CENTER
MAPS AND GEOGRAPHY
TOOLS AND REFERENCES

Main ▸ Data Sets

DECENNIAL

Load Query | Clear all selections

Census 2000 | 1990 Census

The Decennial Census occurs every 10 years, in years ending in zero, to count the population and housing units for the entire United States. Its primary purpose is to provide the population counts that determine how seats in the U.S. House of Representatives are apportioned. more...

Other Resources

- Census 2000 Gateway
- Count Question Resolution (PDF - 45 KB)
- Census 2000 Notes and Errata (PDF - 2.2 MB)
- Download Center
- Download data sets via FTP

Explain Table and Map Formats

2000

Census 2000 Summary File 1 (SF 1) 100-Percent Data

Summary File 1 presents counts and information [age, sex, race, Hispanic/Latino origin, household relationship, whether residence is owned or rented] collected from all people and housing units.

Census 2000 Summary File 2 (SF 2) 100-Percent Data

Population and housing characteristics iterated for many detailed race and Hispanic or Latino categories, and American Indian and Alaska Native tribes.

SF 2 Thresholds

Census 2000 Summary File 3 (SF 3) - Sample Data

Summary File 3 presents detailed population and housing data (such as place of birth, education, employment status, income, value of housing unit, year structure built) collected from a 1-in-6 sample and weighted to represent the total population.

Comparing SF 3 Estimates with Corresponding Values in SF 1 and SF 2

Census 2000 Summary File 4 (SF 4) - Sample Data

Select from the following:

- Detailed Tables
- Geographic Comparison Tables
- Quick Tables
- Thematic Maps
- Reference Maps
- Custom Table
- Enter a table number
- List all tables
- List all maps
- About this data set
- Technical Documentation (PDF)

U.S. Census Bureau
American FactFinder

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Select Geography

You are here: Main ▸ Data Sets ▸ Data Sets with Detailed Tables ▸ Geography ▸ Tables ▸ Results
Census 2000 Summary File 1 (SF 1) 100-Percent Data, Detailed Tables

Choose a selection method

list | name search | address search | map | geo within geo

Show all geography types | Explain Census Geography

Select a geographic type
.... County Subdivision

Select a state
New York

Select a county
Niagara County

Select one or more geographic areas and click 'Add'

All County Subdivisions
Cambria town
County subdivisions not defined
Hartland town
Lewiston town
Lockport town
Lockport city
Newfane town

Map It

Add ▼

Make Your Selections

Current geography selections:

===== County Subdivision ======
Westerlo town, Albany County, New York
Livingston town, Columbia County, New York
Taghkanic town, Columbia County, New York
Newstead town, Erie County, New York
Cairo town, Greene County, New York
Lewiston town, Niagara County, New York
Wilson town, Niagara County, New York

Download data for more than 7,000 geographic areas using the Download Center.

Remove

Next ▶

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Select Tables

You are here: Main ▸ Data Sets ▸ Data Sets with Quick Tables ▸ Geography ▸ Tables ▸ Results

Census 2000 Summary File 3 (SF 3) - Sample Data, Quick Tables

Choose a table selection method

by subject | by keyword | show all tables

Select one or more tables and click 'Add'

DP-2. Profile of Selected Social Characteristics: 2000
DP-3. Profile of Selected Economic Characteristics: 2000
DP-4. Profile of Selected Housing Characteristics: 2000
DP-2-PR. Profile of Selected Social Characteristics: 2000 (format for Puerto Rico)
QT-H4. Physical Housing Characteristics - All Housing Units: 2000
QT-H5. Physical Housing Characteristics - Vacant Housing Units: 2000
QT-H6. Price Asked and Rent Asked: 2000
QT-H7. Year Structure Built and Year Householder Moved Into Unit: 2000
QT-H8. Rooms, Bedrooms, and House Heating Fuel: 2000
QT-H9. Occupancy, Telephone Service, Housing Facilities, and Meals Included in Rent: 2000

What's this?

Add ▼

Current table selections:

Remove

Show Result ▶

Demographic Profiles - 3

Population Quick Tables – 23

Housing Quick Tables – 23

U.S. Census Bureau

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Main | Search | Feedback | FAQs | Glossary | Site Map | Help

Select Tables

You are here: Main ▸ Data Sets ▸ Data Sets with Detailed Tables ▸ Geography ▸ **Tables** ▸ Results

Census 2000 Summary File 3 (SF 3) - Sample Data, Detailed Tables

Choose a table selection method

by subject | by keyword | show all tables

Select one or more tables and click 'Add'

P28. Place of Work for Workers 16+ Years--MSA/PMSA Level
P29. Place of Work for Workers 16+ Years-Minor Civil Division Level for 12 States (CT, ME, MA, MI, MN, NH, NJ, NY, PA, RI, VT, WI)
P30. Means of Transportation to Work for Workers 16+ Years
P31. Travel Time to Work for Workers 16+ Years
P32. Travel Time to Work by Means of Transportation to Work for Workers 16+ Years Who Did Not Work at Home
P33. Aggregate Travel Time to Work (in Minutes) by Travel Time by Means of Trans. for Workers 16+ Years
P34. Time Leaving Home to go to Work for Workers 16+ Years
P35. Private Vehicle Occupancy for Workers 16+ Years
P36. Sex by School Enrollment by Level of School by Type of School for the Population 3+ Years
P37. Sex by Educational Attainment for the Population 25+ Years

Abbreviations:
Black - Black or African American
AIAN - American Indian and Alaska Native
NHPI - Native Hawaiian and Other Pacific Islander
SOR - Some Other Race

What's this?

Add ▼

Current table selections:

Remove

Show Result ▶

Population Tables – 433

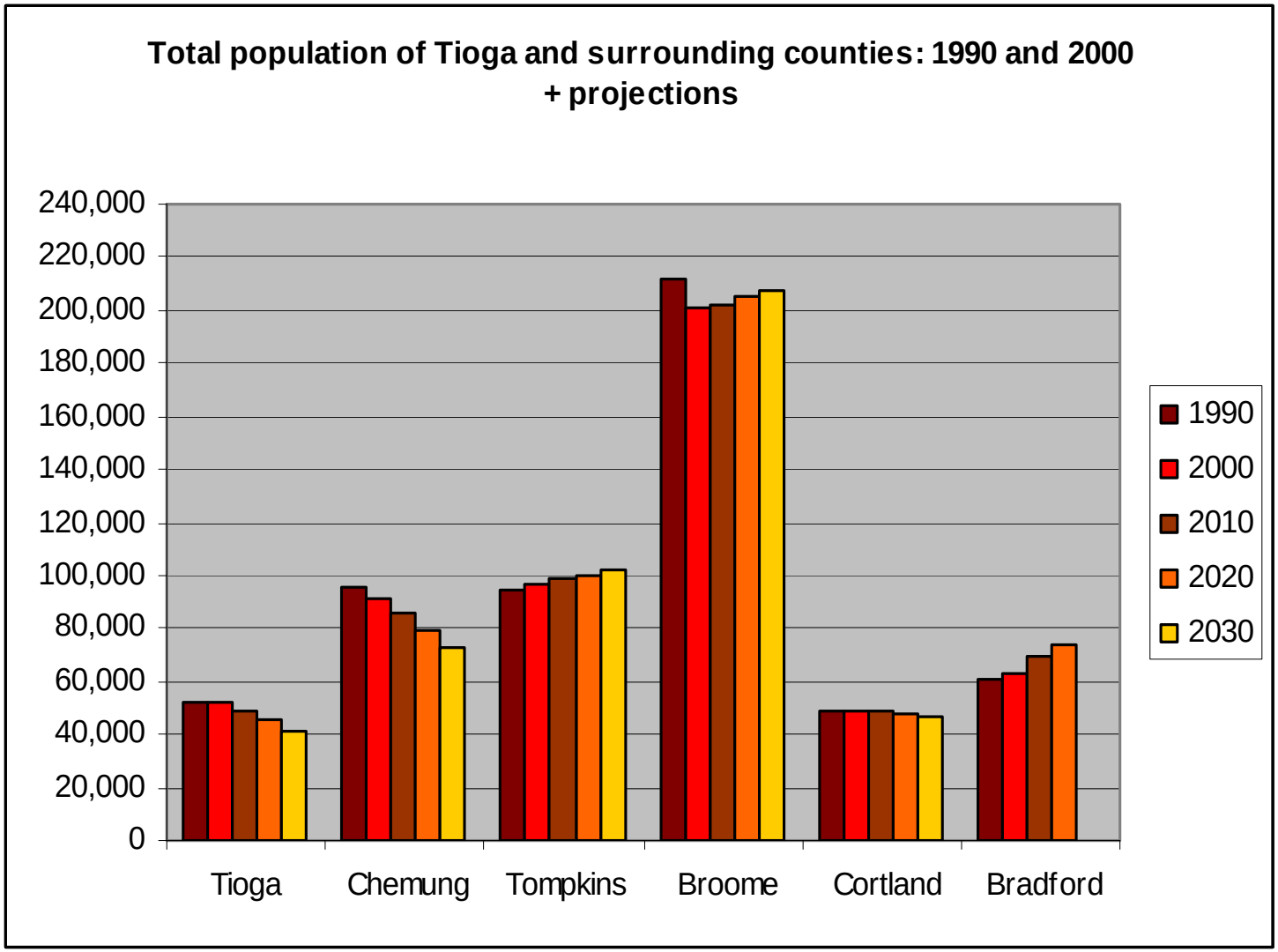
Housing Tables – 307

Demographic Trends

INTERPRETING DEMOGRAPHIC CHANGE:

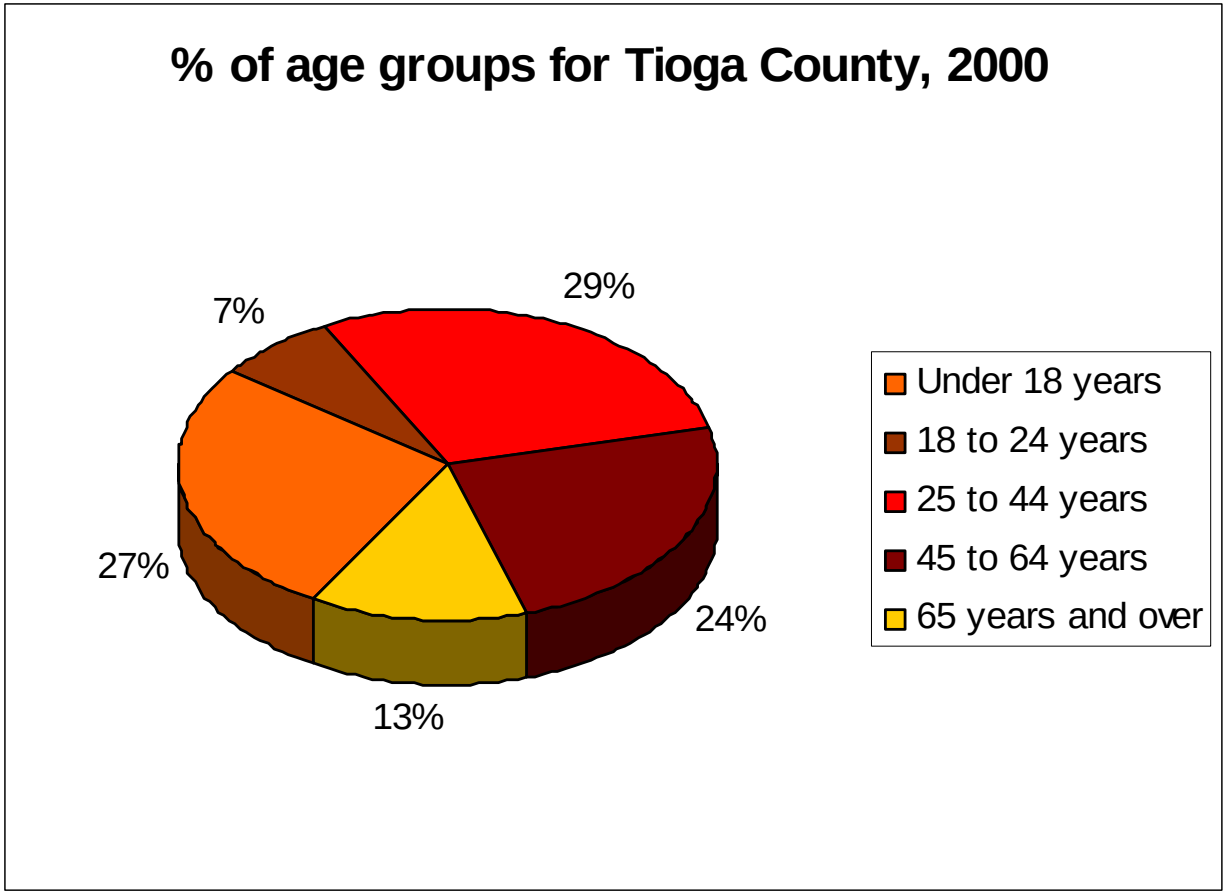
- Current data is the first step, but it doesn't provide much context, particularly for decision-making and planning.
- Need comparison points, such as adjacent counties, averages for the state, U.S., region, etc.
- Need trend data, past – present – future.
- What has the trend been?
- What is the trend projected to be?
- How do these trends compare to adjacent counties (or towns)?
- What does this mean? What are some of the implications that come to mind?
- Let's continue to use Tioga County as an example.....

For example, let's look at population change, 1990-2030



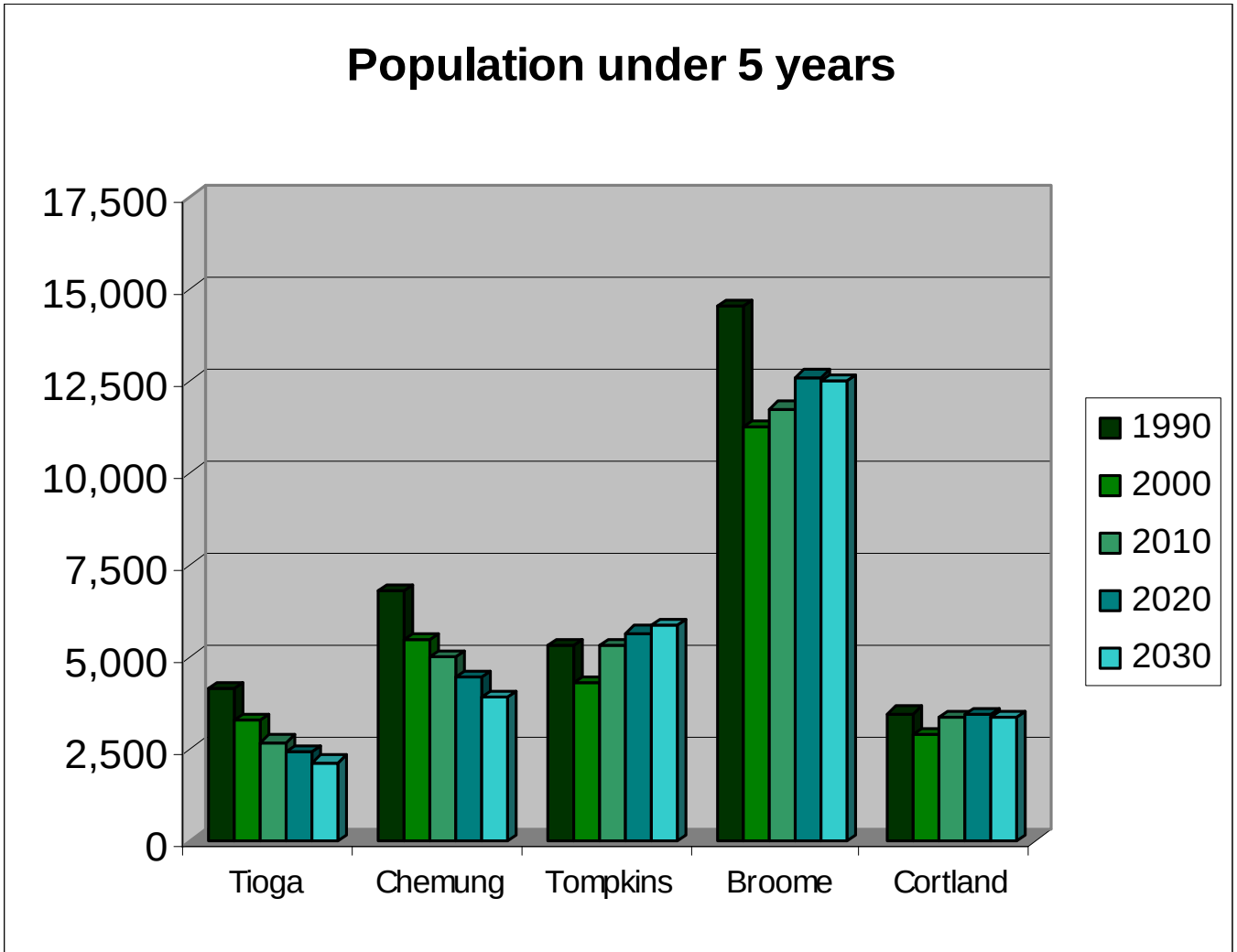
- Tioga County is projected to lose over 10,000 people in the next 20 years.
- How does that compare to the surrounding counties? Is Tioga similar or different?
- What might some of the consequences be?

But total population only tells part of the story…….look at composition.



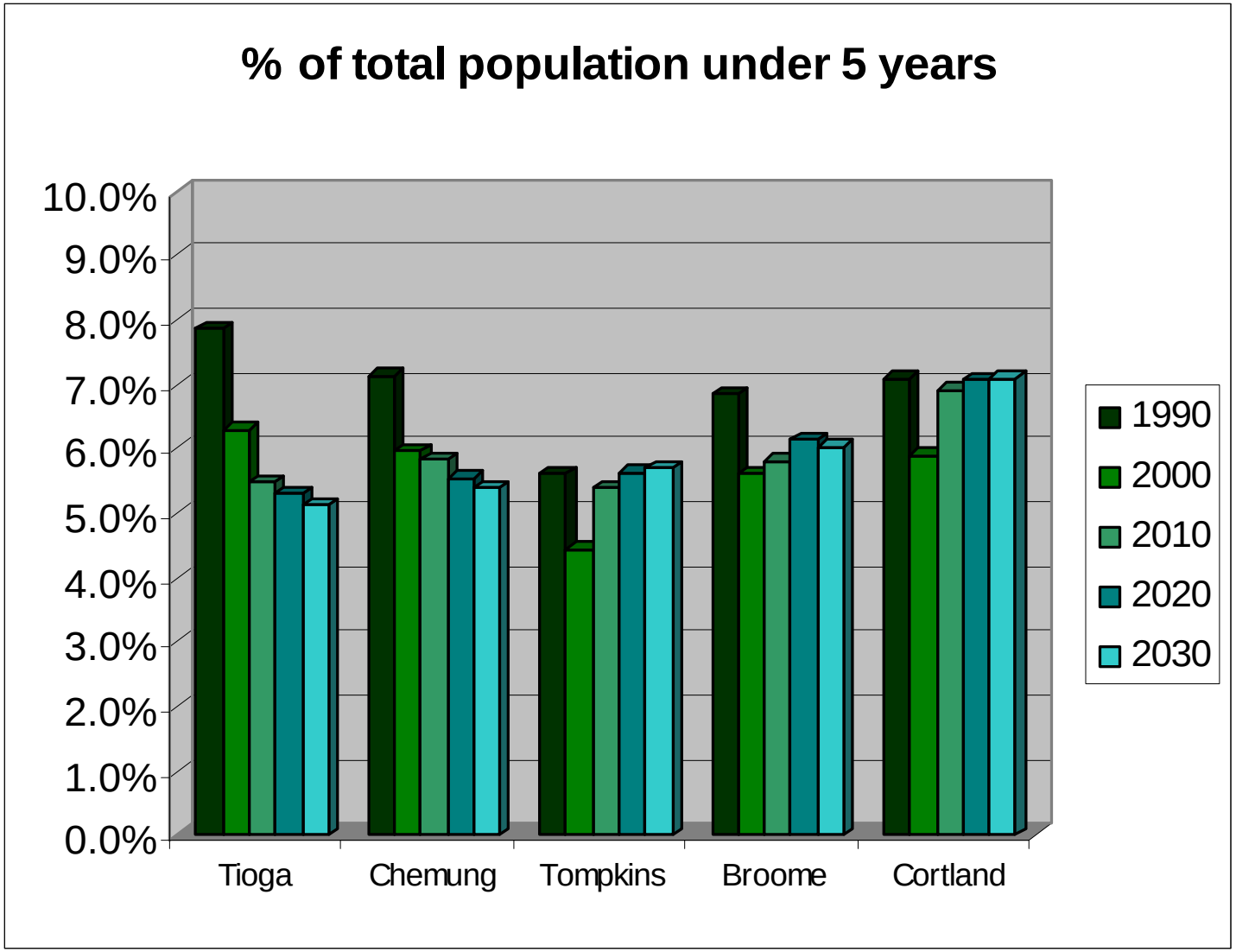
What might changes in this composition mean for Tioga County?

Total population only tells part of the story…….



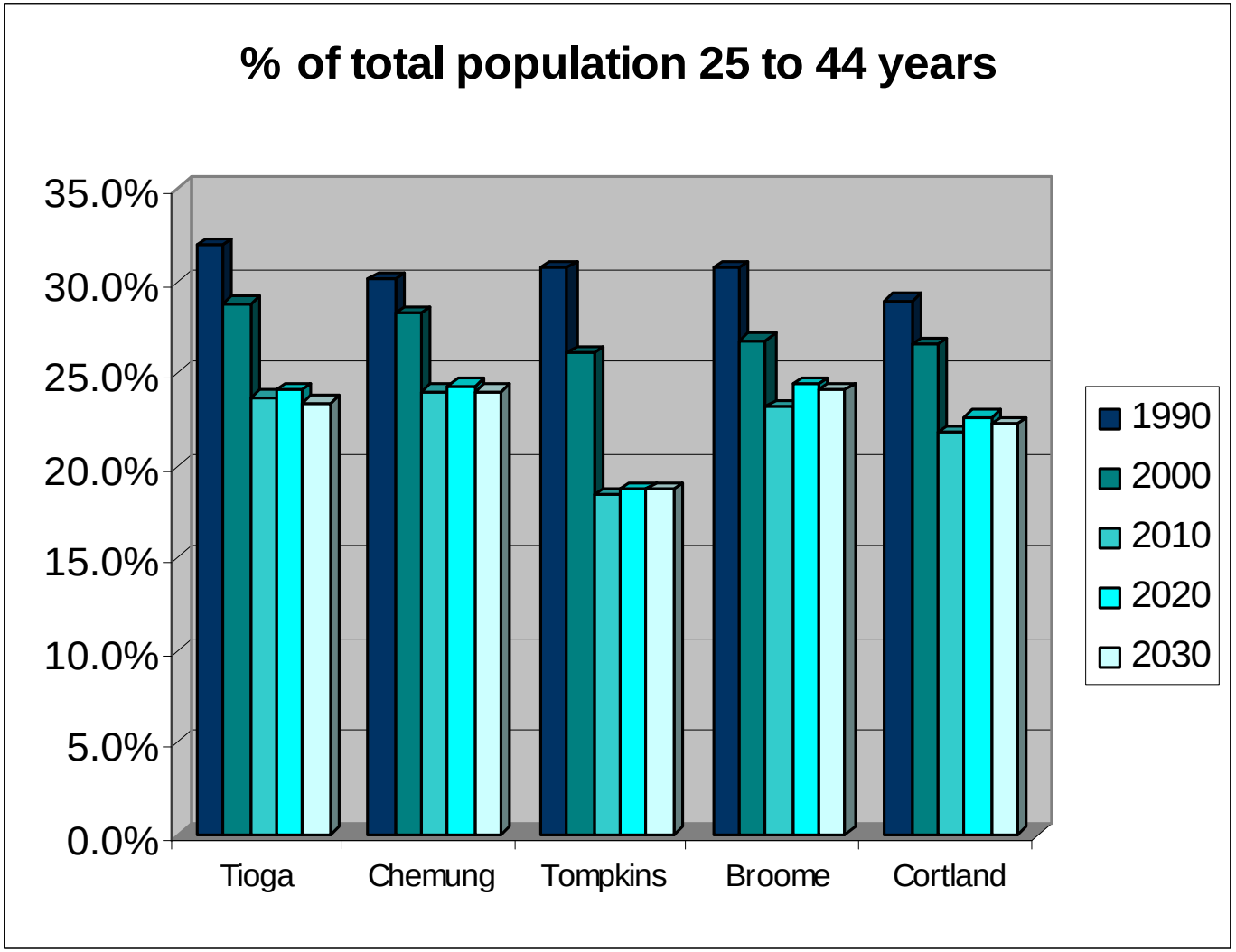
When we look at the projections for the population under 5 years of age, what are some of the implications that come to mind?

% vs.



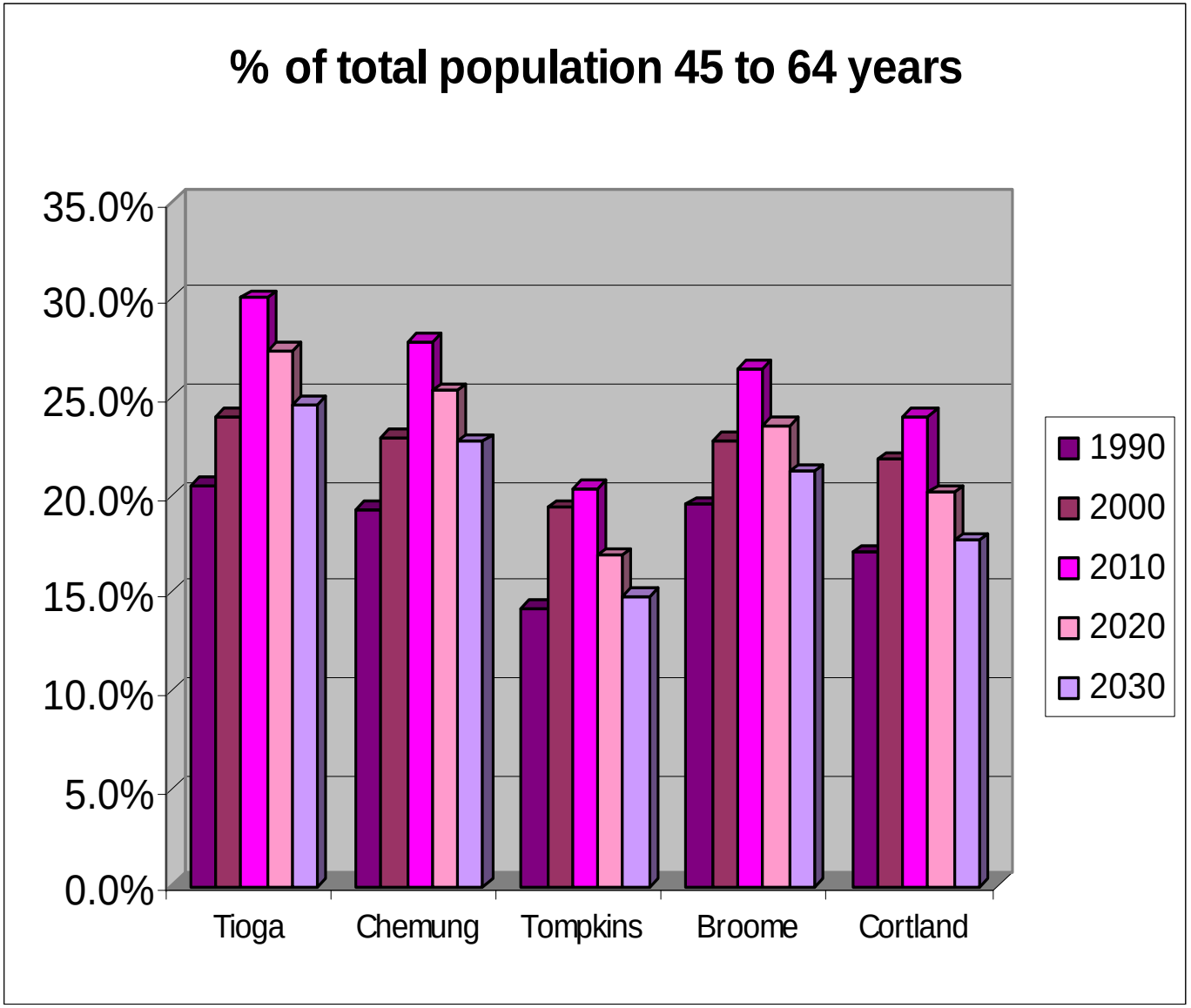
- By examining population age composition using percentages, it is now easier to compare Tioga's data to other counties that may have much bigger or smaller populations.
- What issues might Tioga County face in the next 20 years if these projections are true?
- Lowest % of under 5 year olds in "region"

And another slice of the population.....



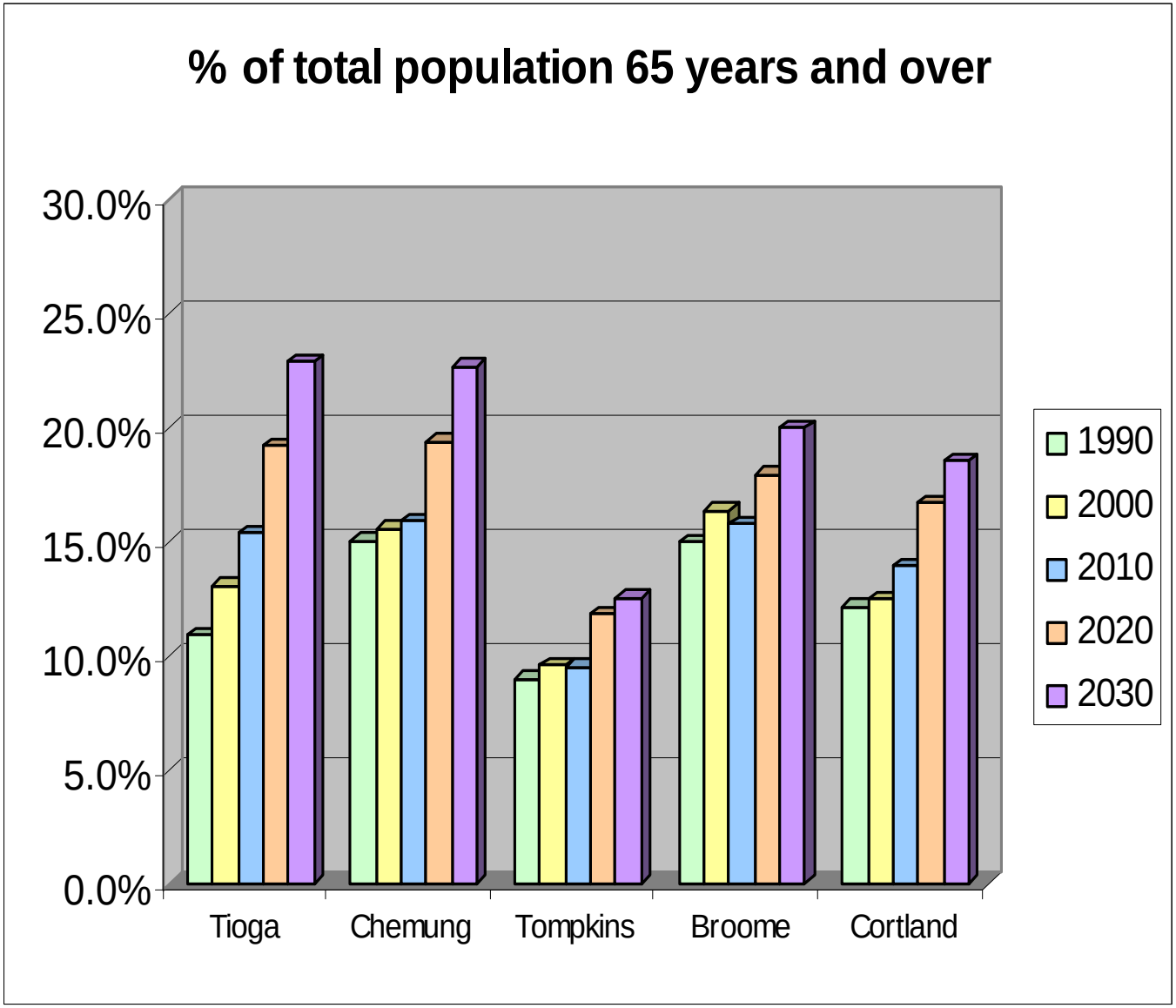
- The number of people age 25-44 years are projected to decline from about 15,000 in the year 2000 to 9,700 in the year 2030.
- While # declines, the % is projected to remain almost the same 2010-2030.
- Implications?
- Labor force issues?
- People in their prime child-rearing years

And another.....



- Tioga's population age 45-64 is projected to increase from 12,400 in 2000 to 14,800 in 2010, but decline to 10,200 by 2030 (from 30% to just under 25%).
- What are some of the implications?
- People in their prime earnings years.
- Impacts on housing markets?
- May include some early retirees & empty nesters.

And yet another……



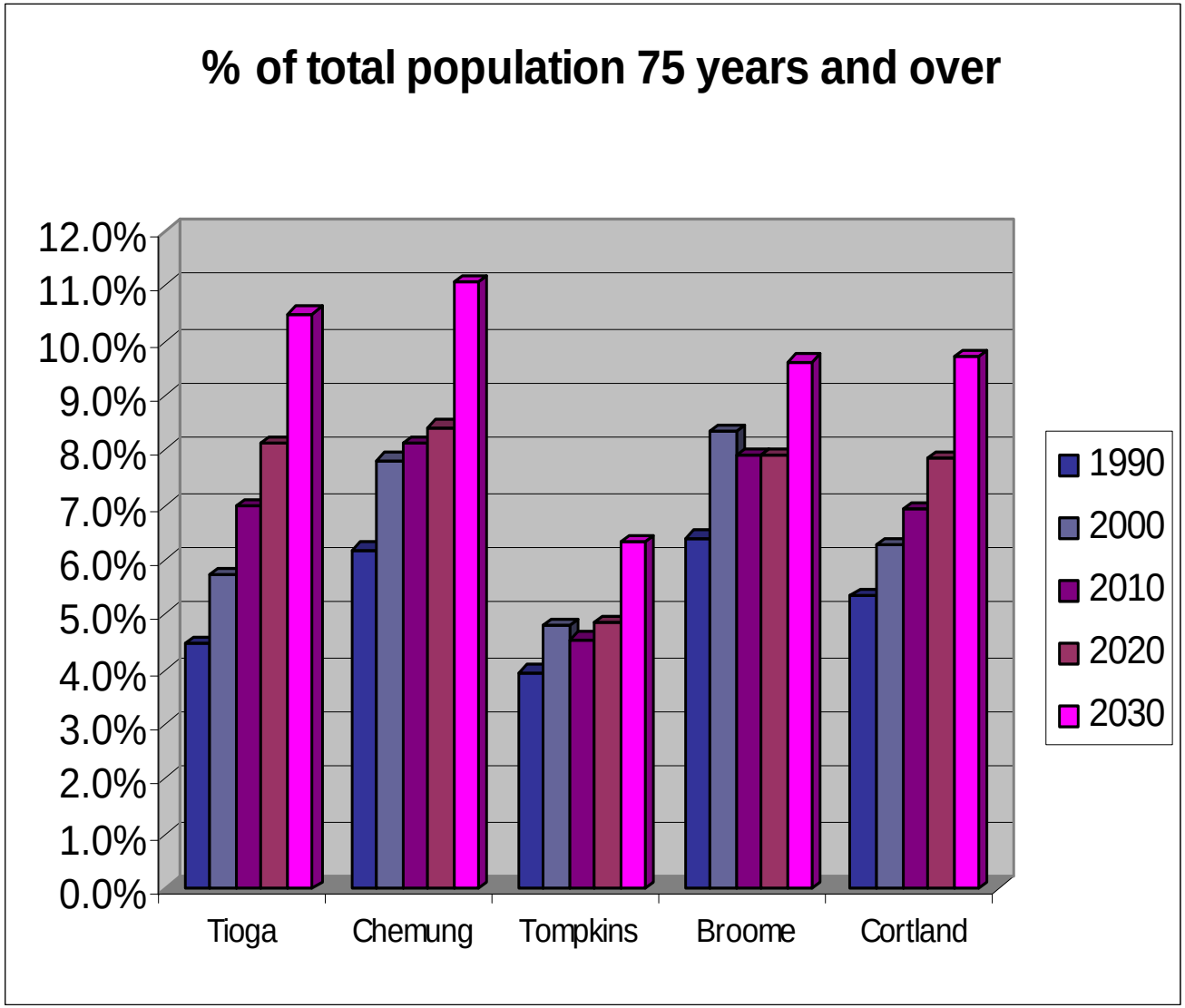
- Tioga's population 65+ is projected to increase from 5,700 in 2000 to 9,500 in 2030.
- This represents an increase from 13% to 23% of total population.

- What are some of the implications?

- Demand for health care and other social services?

- Potential cadre of community volunteers?

And lastly…



- Tioga's population 75+ is projected to increase from 2,963 in 2000 to 4,300 in 2030.
- This represents an increase from 5.7% to 10.5% of total population.
- What are some of the implications? Different from previous chart?

• How to interpret the data once you find it

1. Is the trend on a given indicator increasing or decreasing?
2. Is the increase large or small?
3. How "serious" is the issue; how high is the "bar" on the graph in relation to the "scale"?
4. Is the "gap" between similar (or adjacent) counties (or other geographic units) increasing or decreasing?
5. What might be some of the causes/implications of these changes?

Similar to the exercise that we have just gone through with population data.

Common areas in Community Development to focus on for tracking demographic change

- **Basic Population Characteristics**
  - Total Population
  - Diversity (race/ethnic composition, foreign/native born, etc)
  - Potential Workforce (age composition, educational characteristics, etc)
  - Needs of Aged (% and # age 65+, % disabled, % elderly poverty, # in nursing homes, etc)

Workforce and the Service Sector:

% of Workforce Composed of Women
% Employed as Professionals and Managers % Self-Employed
% Employed in Retail and Wholesale Trade
% Employed in Health Care
% Employed in Education
% Employed in Finance, Insurance, and Real Estate
% Employed in Public Administration

Workforce and the Manufacturing Sector:

- % Employed in Manufacturing
- Number of Manufacturing Firms with 100+ Employees
- Number of Manufacturing Firms with 20-99 Employees
- Number of Manufacturing Firms with 1-19 Employees
- Average Numbers of Employees per Manufacturing Firm

Workforce and the Agricultural Sector:

- Percent Employed Extractive Industry
- Number of Farms
- Number of Acres Harvested
- Acres/Farm (Farm Size)
- Sales in Adjusted Total Market Value in 1000s of 1997 dollars
- Sales in $ Per Farm
- Sales $/Acre*1000

Socioeconomic Status (SES):

- Percent 25+ With Some College
- % without high school diploma
- Average Adjusted PC Income
- Families in Affluence
- % Homeowners vs. Renters
- Average Value of homes
- Crowded Housing
- Families in Poverty
- Children in Poverty

Family Structure & Issues:

- Percent Married Couples with Children under 18 Years of Age
- Percent Female-Headed Households with Children under 18 Years of Age
- Percent Disrupted Marriages
- Percent Births to Single Mothers
- Births to Teens 10-14 Years Old
- Births to Teens 15-17 Years Old

Health & Well-Being:

- Numbers of M.Ds. Per Capita
- Numbers of Nurses per Capita
- Ratio of Nurses to M.Ds.
- Non-Professional Health-Care Workers
- Infant Mortality
- Heart Disease Mortality (and stats for other diseases)

Public Sector Indicators:

- Percent Voting in Presidential Elections
- Index of Political Competition between Political Parties in Presidential Elections
- Per Capita Expenditures by County Governments
- Planning Boards in Towns
- Average Number of Land-Use Planning Ordinances
- Master (Comprehensive) Plans in Towns

Plans for Census 2010

The Census Bureau's World

2010 Decennial Census

Population Estimates

American Communit y Survey

Housing Unit Addresses

Implications of Inaction

- Congressional Representation
  - Lost 2 seats after the 2000 Census
  - Lose 2 more seats (CB 2010 Projections)
- State Redistricting
  - redistribution of population
- Nearly $200 Billion in Federal Funds Allocation

Census 2000 LUCA Participation

(Local Update of Census Master Address File)

- LUCA ’98 (City-style Address Areas)
  - 709 Eligible areas – **36.5% Did Something!**
- LUCA ’99 (Non-CS Address Areas)
  - 993 Eligible areas – **18.4% Did Something!**
- New York City
  - 1.35 million corrections
  - 439,000 additions (369,000 accepted)
- **Missed Saving 2nd Seat by 50,000**

Why Such Low Participation

- **Lack of Awareness**
- **Lack of Understanding the Importance**
- **Lack of Data**
- **Lack of Resources**

Identifying Units Isn’t So Easy!

2010 Census Plan/Objectives

- Address List Development
  - Can we construct a NY Master Address File
  - Identify state/local sources of address-based data
    - USPS, Real Property Records, E-911, drivers licenses
  - Improve local collection and reporting of housing activity

2010 Census Plan/Objectives

- Local Government Training
  - Understand importance of participation and early start
  - Provide assistance in gathering data
  - Provide training on Census LUCA Program
  - See the *Rural NY Minute* publication in your packets! (“The Census Counts…& How!”)

2010 Census Plan/Objectives

- Maintain master inventory of group quarters facilities
  - Prisons, nursing homes, college dormitories, etc.
  - Physical location, capacity, and residents

2010 Census Plan/Objectives

- Improve Census population estimates
  - Alternative methodologies
  - Improve building permit collection and reporting
  - Assist with local challenge procedures

Success Requires Your Help

- Make sure local officials are aware of Census programs
- Educate Board of Supervisors
- Watch for Census mailing
- Contact us:

For more information on the Census 2010, the ACS, building permit data, and challenging the census, contact:

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Thank you!