

MAG map viewers

Objectives

- Develop a framework for creating web map viewers
 - Integrate dynamic maps with reporting and data visualization
 - Simple, easy to use
 - Consistent look-and-feel
- Implement framework for two pilot sites
 - *Demographic viewer*: data from Census 2010 and American Community Survey (2005 – 2009)
 - *Employment viewer*: data from MAG employer database



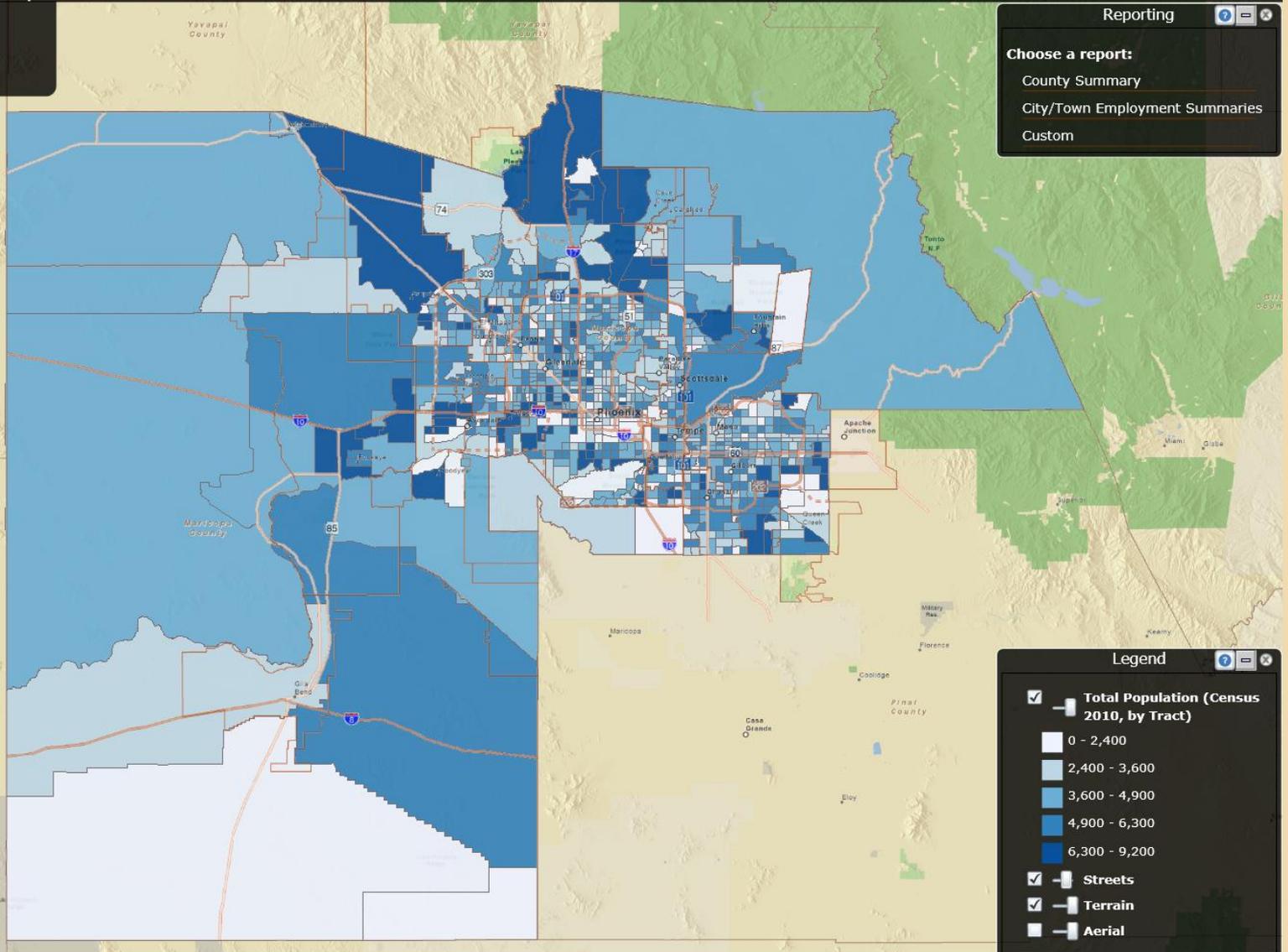
Choose a map:

- Population
- Housing

Reporting

Choose a report:

- County Summary
- City/Town Employment Summaries
- Custom



Legend

- Total Population (Census 2010, by Tract)
 - 0 - 2,400
 - 2,400 - 3,600
 - 3,600 - 4,900
 - 4,900 - 6,300
 - 6,300 - 9,200
- Streets
- Terrain
- Aerial

12 Miles



Demographic Maps

Choose a map:

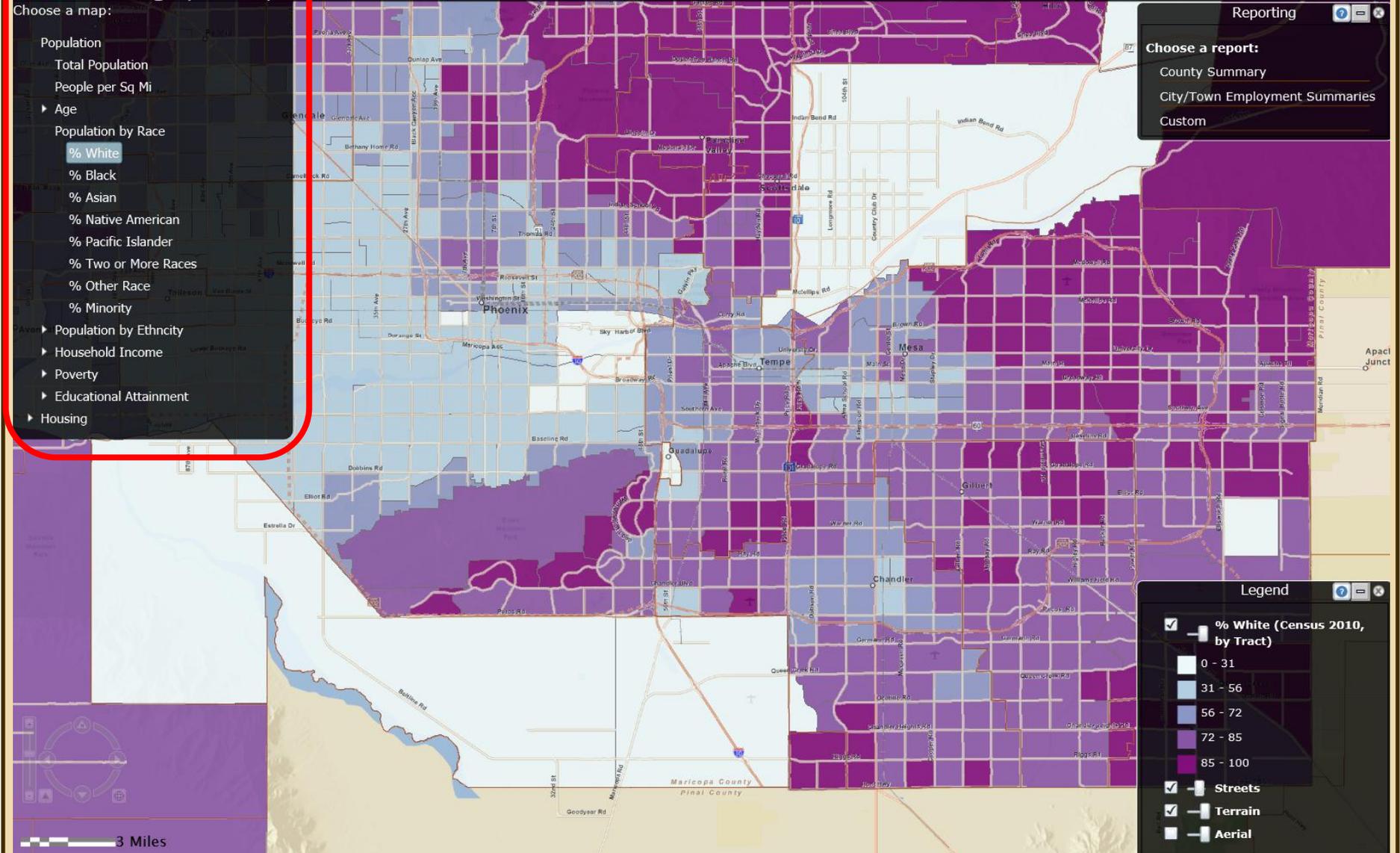
- Population
 - Total Population
 - People per Sq Mi
- Age
- Population by Race
 - % White**
 - % Black
 - % Asian
 - % Native American
 - % Pacific Islander
 - % Two or More Races
 - % Other Race
 - % Minority
- Population by Ethnicity
- Household Income
- Poverty
- Educational Attainment
- Housing

Current map: Percent White

Legend Reports Map PDF Help

Reporting

- Choose a report:
- County Summary
 - City/Town Employment Summaries
 - Custom



Legend

- % White (Census 2010, by Tract)
 - 0 - 31
 - 31 - 56
 - 56 - 72
 - 72 - 85
 - 85 - 100
- Streets
- Terrain
- Aerial

3 Miles



Demographic Maps

Choose a map:

Current map: Percent of Households with Income 50K to 100K

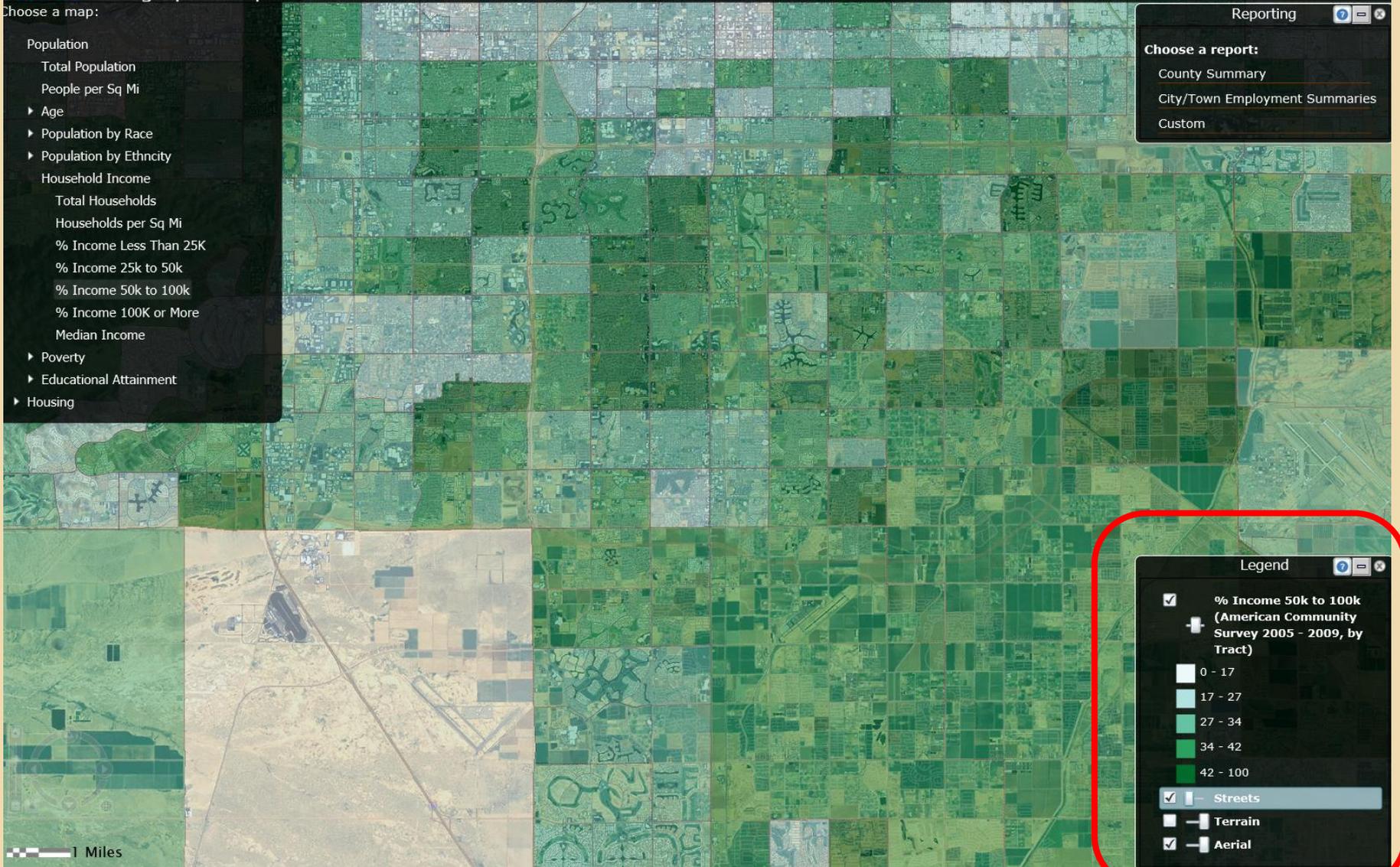
Legend Reports Map PDF Help

Reporting

Choose a report:

- County Summary
- City/Town Employment Summaries
- Custom

- Population
 - Total Population
 - People per Sq Mi
- ▶ Age
- ▶ Population by Race
- ▶ Population by Ethnicity
- Household Income
 - Total Households
 - Households per Sq Mi
 - % Income Less Than 25K
 - % Income 25k to 50k
 - % Income 50k to 100k
 - % Income 100K or More
 - Median Income
- ▶ Poverty
- ▶ Educational Attainment
- ▶ Housing



Legend

- % Income 50k to 100k (American Community Survey 2005 - 2009, by Tract)
 - 0 - 17
 - 17 - 27
 - 27 - 34
 - 34 - 42
 - 42 - 100
- Streets
- Terrain
- Aerial



Demographic Maps

Choose a map:

- Population
 - Total Population
 - People per Sq Mi
 - Age
 - Population by Race
 - Population by Ethnicity
 - Household Income
- Poverty
 - Total Families
 - Families per Sq Mi
 - % Families Below Poverty Level**
- Educational Attainment
- Housing

Current map: Percent Families Below Poverty Level

Legend Reports Map PDF Help

Reporting

- Choose a report:**
- County Summary
 - City/Town Employment Summaries
 - Custom

Results for Maricopa County

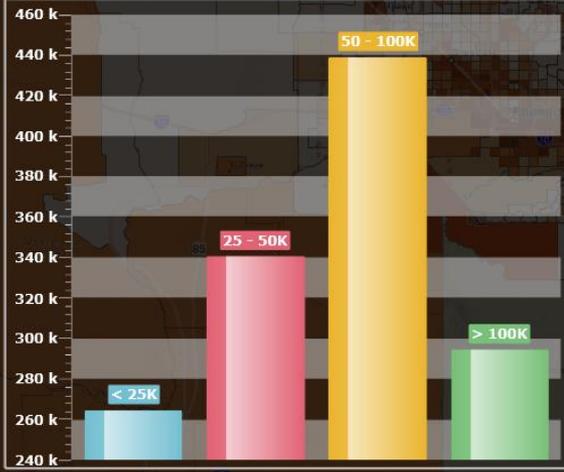
Summary Report

Charts

Display Chart Legend

Print Summary Report:

Household Income^



Source: *Census 2010; ^American Community Survey 2005 - 2009

- Population by Race*
- Population by Ethnicity*
- Housing Unit Occupancy*
- Population by Age*
- Educational Attainment*

Legend

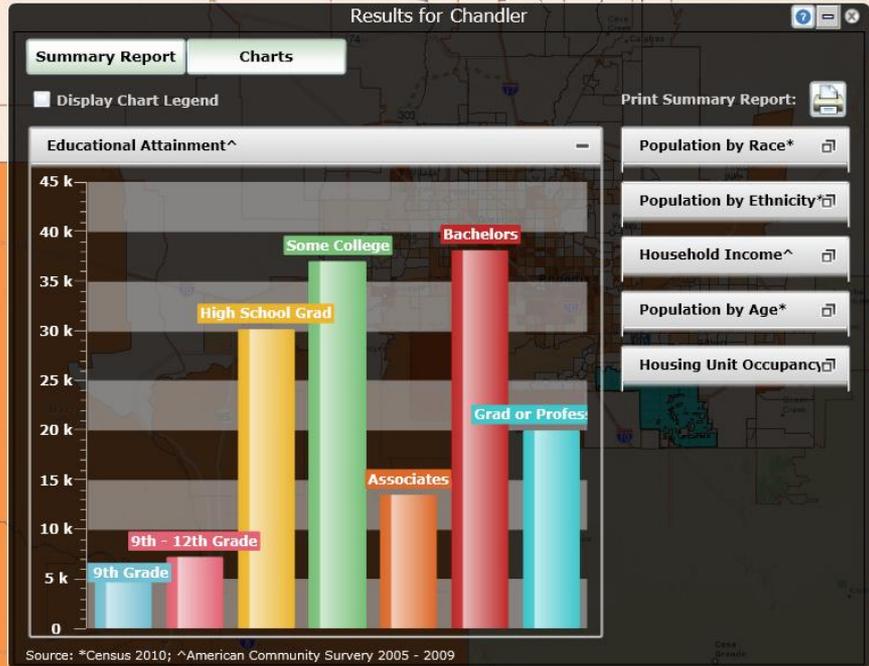
- % Families Below Poverty Level (American Community Survey 2005 - 2009, by Tract)
 - 0 - 5
 - 5 - 12
 - 12 - 22
 - 22 - 38
 - 38 - 85.7
- Streets
- Terrain
- Aerial

12 Miles



Choose a map:

- Population
 - Total Population
 - People per Sq Mi
- ▶ Age
- ▶ Population by Race
- ▶ Population by Ethnicity
- ▶ Household Income
- Poverty
 - Total Families
 - Families per Sq Mi
 - % Families Below Poverty Level
- ▶ Educational Attainment
- ▶ Housing



Reporting

Choose a report:

- County Summary
- City/Town Employment Summaries

Choose a place:

Chandler

Get report

Custom

Legend

% Families Below Poverty Level (American Community Survey 2005 - 2009, by Tract)

- 0 - 5
- 5 - 12
- 12 - 22
- 22 - 38
- 38 - 85.7
- Streets
- Terrain
- Aerial

12 Miles



Choose a map:

- Population
 - Total Population
 - People per Sq Mi
- Age
 - Median Age
 - % Under Age 18
 - % Age 18 and Over**
 - % Age 65 and Over
- Population by Race
- Population by Ethnicity
- Household Income
- Poverty
- Educational Attainment
- Housing

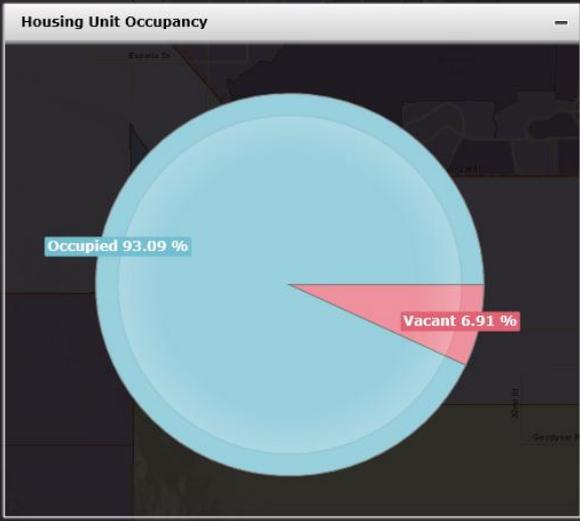
Results for Selected Tracts

- Selected Features
- Summary Report
- Charts

Display Chart Legend

Print Summary Report:

- Population by Race
- Population by Ethnicity
- Population by Age



Source: Census 2010

Reporting

Choose a report:

- County Summary
- City/Town Employment Summaries
- Custom

Identify a:

- Point of Interest
- Area of Interest
- Region of Interest
- Corridor of Interest

Stop selecting

Clear selection

Legend

% Age 18 and Over (Census 2010, by Tract)

- 0 - 65
- 65 - 73
- 73 - 80
- 80 - 90
- 90 - 100

Streets

Terrain

Aerial

3 Miles



Demographic Summary for Gilbert



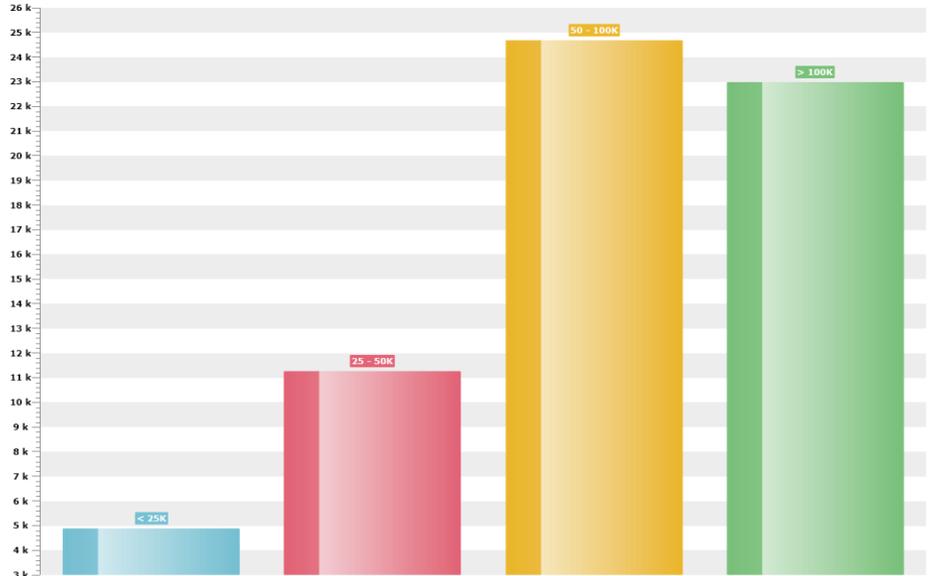
Category	Name	Gilbert
	Percent:	4.5
	Per square mile:	136.6
Population by Ethnicity	Hispanic*	31,074
	Percent:	14.9
	Per square mile:	456.6
	Non-Hispanic*	177,379
	Percent:	85.1
	Per square mile:	2,606.4
Educational Attainment	Population 25 and older*	119,716
	Less than 9th Grade*	2,581
	Percent:	2.2
	Per square mile:	37.9
	9th to 12th Grade*	3,416
	Percent:	2.9
	Per square mile:	50.2
	High School Graduate*	21,724
	Percent:	18.1
	Per square mile:	319.2
	Some College*	33,739
	Percent:	28.2
	Per square mile:	495.8
	Associates Degree*	13,024
	Percent:	10.9
Per square mile:	191.4	
Bachelors Degree*	30,604	
Percent:	25.6	
Per square mile:	449.7	
Graduate or Professional Degree*	14,628	
Percent:	12.2	
Per square mile:	214.9	
Poverty	Families*	50,160
	Families in Poverty	1,889
	Percent:	3.8
	Per square mile:	27.8
Household Income	Households*	63,814
	Median Household Income*	79,921
	Less Than \$25,000*	4,882
	Percent:	7.7
	Per square mile:	71.7
	\$25,000 to \$50,000*	11,266
	Percent:	17.7
	Per square mile:	165.5
\$50,000 to \$100,000*	24,679	
Percent:	38.7	

Source: *Census 2010; *American Community Survey 2005 - 2009

Demographic Summary for Gilbert



Household Income^



Source: *Census 2010; *American Community Survey 2005 - 2009

Export map to PDF

Map Title: Percent of Population Age 18 and Ov

Map Notes: These are some comments about the map.

Printing Options:

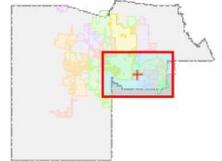
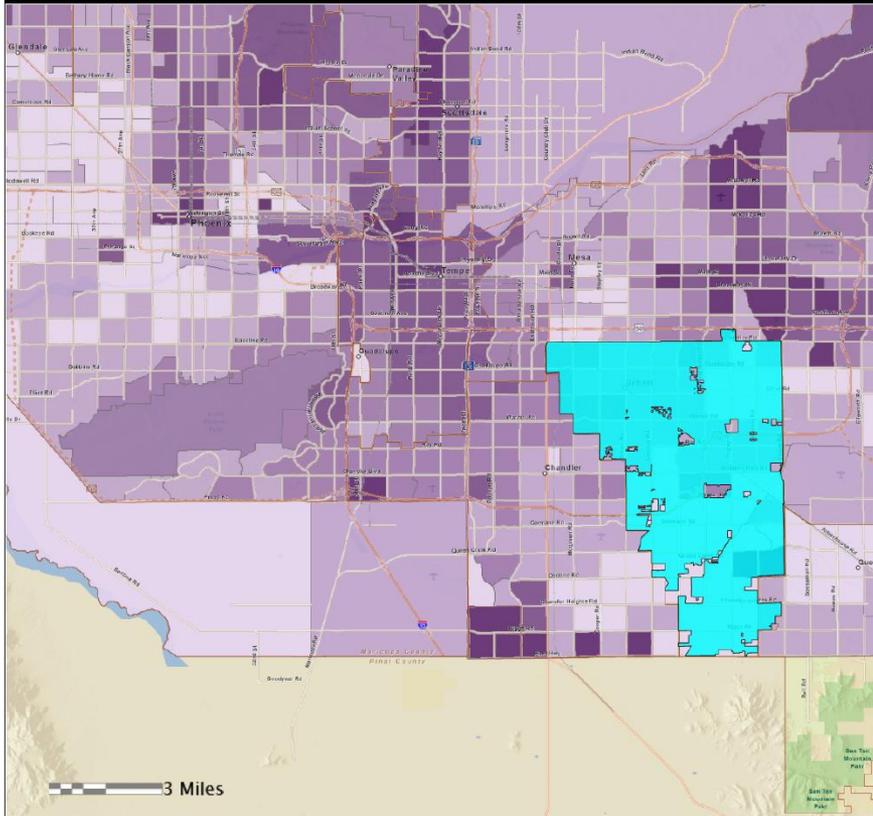
8.5 x 11 in

Landscape
 Portrait

North Arrow
 Scalebar
 Overview Map
 Legend

Print

Percent of Population Age 18 and Over



% Age 18 and Over (Census 2010, by Tract)

- 0 - 65
- 65 - 73
- 73 - 80
- 80 - 90
- 90 - 100



Notes:
These are some comments about the map.

While every effort has been made to ensure the accuracy of this information, the Maricopa Association of Governments makes no warranty, expressed or implied, as to its accuracy and expressly disclaims liability for the accuracy thereof. This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION.



MAG Demographic Viewer Help

[About the viewer](#) [How to make a map](#) [How to make a report](#)

How to make a map

1) Choose a demographic map:

A hierarchical menu of available demographic maps is provided in the upper left corner of the viewer under the label **Choose a map**. The maps are organized by topics (e.g. population, housing) and sub-categories (e.g. Age, Population by Race). Note that changing a map will change the text in the viewer's header and also contents of the **Legend** window

2) Navigate to an area of interest:

To navigate to an area of interest you can either interact with the map directly using your mouse or you can use the navigation tools located in the lower left corner of the viewer.

To interact with the map directly: zoom in by either using the mouse wheel or double clicking on a location in the map you wish to. To pan, hold the left mouse button down, drag to the location you wish to release.

To use the navigation tools: hover the mouse over the item

Results for Selected Tracts

[About](#) [Selected Features](#) [Summary Report](#) [Charts](#)

Help -- Summary Report

The **Summary report** presents an aggregate view of the selected tracts: there is one record for each summary metric. The results in this table integrate data from both the Census 2010 and American Community Survey (ACS) 5 year estimates for 2005 - 2009. Records ending with an 'M' have Census 2010 as the datasource while records ending in '^' have the ACS estimates as their source.

The summary results for the given selection can be compared against results from other geographies. Results from the Jurisdiction and Custom reports can be against the totals for Maricopa County and the State of Arizona. Results from the County Summary report may be compared against the State of Arizona and other counties within Arizona. To perform a comparison:

- 1) Check the **Use Comparison** box in the upper left corner. This will enable and populate the drop-down box to the immediate right.
- 2) From the drop-down box, choose an area you would like to compare against. This will add a new column to the table for the desired comparison area.

The current summary report, as well as the current comparison, may be exported to your desktop for further use. To export the table:

- 1) Choose the desired export format (Word, Excel, CSV) from the drop down box in the upper right corner of the window
- 2) Click the button containing the print icon in the upper right corner
- 3) In the **Save As** choose a location to save the file



Employment Maps

Current map: Total Employment*

Legend Reports Map PDF Help

Choose a map:

Total Employment, 2010:

Total Employment

Natural Resources and Mining

Trade, Transportation and Utilities

Construction

Manufacturing

Information

Financial Activities

Professional and Business Services

Education and Health Services

Leisure and Hospitality

Government

Other Services

▶ Employment Density, 2010:

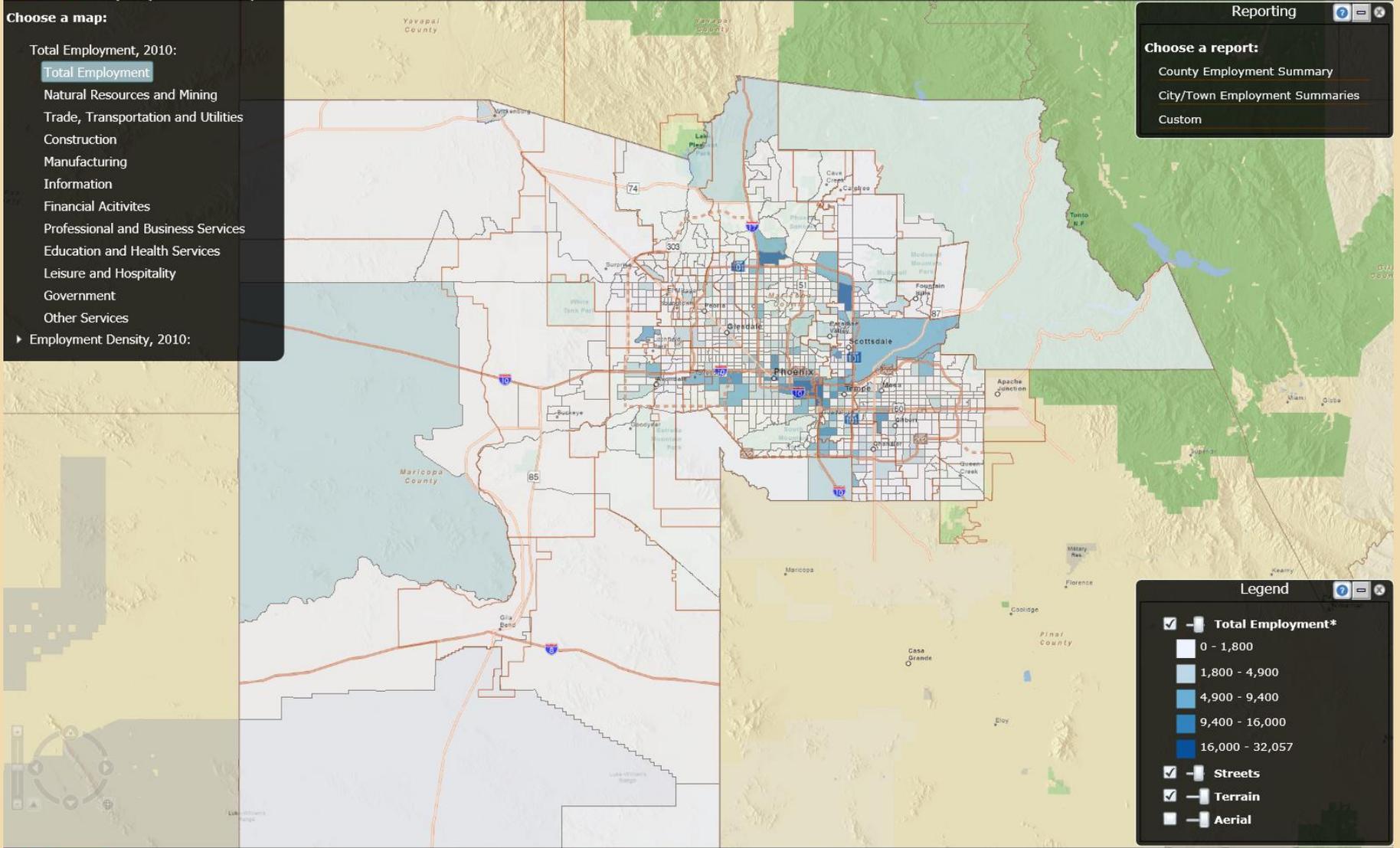
Reporting

Choose a report:

County Employment Summary

City/Town Employment Summaries

Custom



Legend

Total Employment*

0 - 1,800

1,800 - 4,900

4,900 - 9,400

9,400 - 16,000

16,000 - 32,057

Streets

Terrain

Aerial

12 Miles

*Source: 2010 MAG Employer Database (limited to employers with 5 or more employees)



Employment Summary for Maricopa County*

Total number of businesses: 46,892
 Total number of employees: 1,436,175

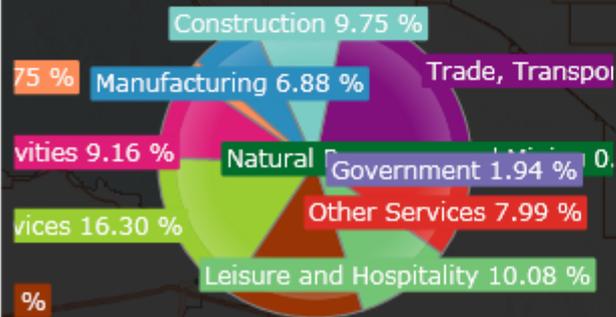
Largest Employers

Rank	Business name	Number of emp
1	State Of Arizona	23,564
2	Banner Health	18,119
3	City Of Phoenix	15,770
4	Walmart	14,325
5	Honeywell	13,488
6	County Of Maricopa	12,532

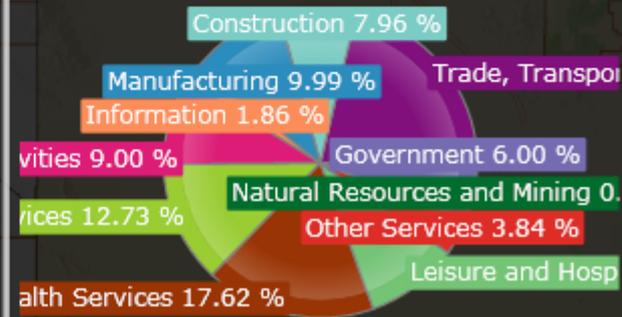
Sector Summary

Sector	Number of busi	Number of emp
Natural Resources and Mining	302	8,300
Trade, Transportation and Utilities	9,932	297,598
Construction	4,555	114,223
Manufacturing	3,215	143,299
Information	819	26,695
Financial Activities	4,281	129,104

Businesses by Sector



Employees by Sector



Employment Summary for Maricopa County*

Total number of businesses: 46,892
Total number of employees: 1,436,175

Sector Summary | Businesses by Sector | Employees by Sector

Largest Employers

Rank	Business name	Number of employees
1	State Of Arizona	23,564
2	Banner Health	18,119
3	City Of Phoenix	15,770
4	Walmart	14,325
5	Honeywell	13,488
6	County Of Maricopa	12,532
7	Smith Food Drug Stores Fry's Food	12,166
8	Arizona State University	11,758
9	Wells Fargo Bank National Association	9,507
10	Bank Of America National Association	9,479

Table export:
Choose an output format:

Employment Summary for Maricopa County*

Total number of businesses: 46,892
Total number of employees: 1,436,175

Businesses by Sector | Employees by Sector | Largest Employers

Sector Summary

Sector	Number of businesses	Number of employees
Natural Resources and Mining	302	8,300
Trade, Transportation and Utilities	9,932	297,598
Construction	4,555	114,223
Manufacturing	3,215	143,299
Information	819	26,695
Financial Activities	4,281	129,104
Professional and Business Services	7,615	182,675
Education and Health Services	6,661	252,843
Leisure and Hospitality	4,711	138,872
Other Services	3,733	55,070
Government	907	86,030

Table export:
Choose an output format:



Employment Summary for Gilbert *

Total number of businesses: 2,550
Total number of employees: 58,503

Employees by Sector | Largest Employers | Sector Summary

Businesses by Sector

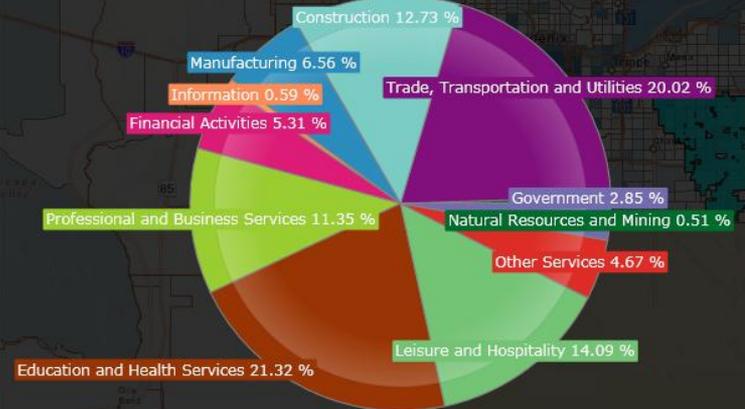


Employment Summary for Gilbert *

Total number of businesses: 2,550
Total number of employees: 58,503

Businesses by Sector | Largest Employers | Sector Summary

Employees by Sector



Demographic viewer:

<http://geo.azmag.gov/maps/demographic/>

Employment viewer:

<http://geo.azmag.gov/maps/employment/>

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