

MoDOT

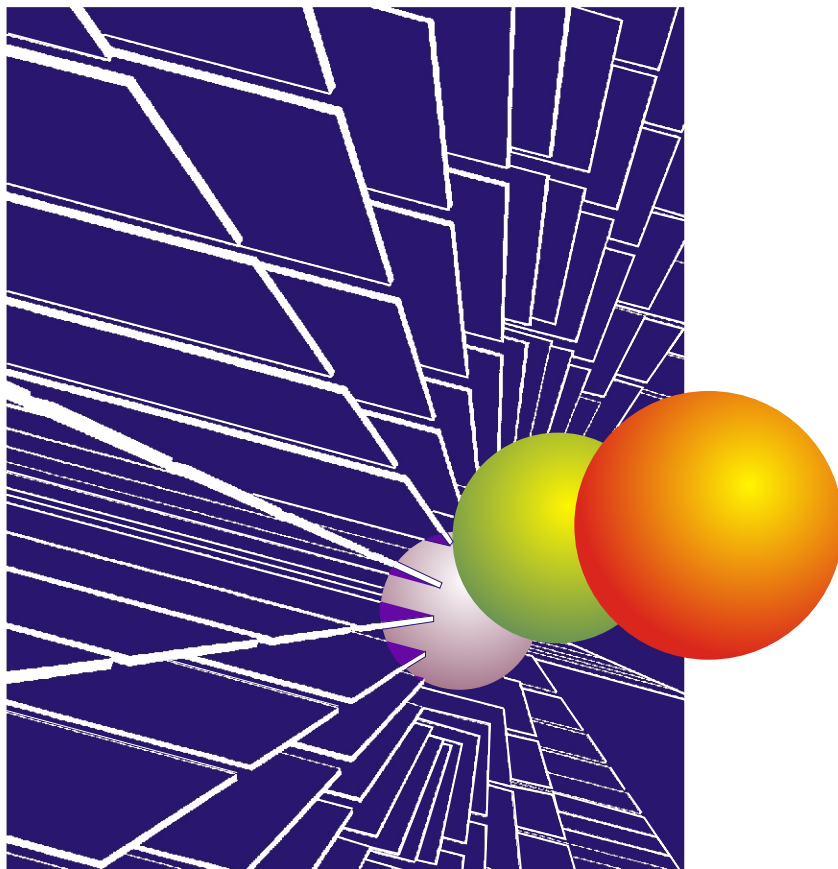
Research, Development and Technology

University of Missouri-Columbia

RDT 03-011

Development and Use of Social and Economic Data at MoDOT

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August, 2003

Final Report

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Report No. RDT 03-011

Development and Use of Social and Economic Data at MoDOT

MISSOURI DEPARTMENT OF TRANSPORTATION
RESEARCH, DEVELOPMENT AND TECHNOLOGY

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JEFFERSON CITY, MISSOURI
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The opinions, findings, and conclusions expressed in this publication are those of the principal investigators and the Missouri Department of Transportation; Research, Development and Technology. They are not necessarily those of the U.S. Department of Transportation, Federal Highway Administration. This report does not constitute a standard or regulation.

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16. Abstract <p>This project was designed to provide easy-to-use census data formats in the specific geographies used by the MoDOT. The website developed as a result of this project provides up-to-date, authoritative data and information for use in transportation planning and project development. The Socio-Economic Indicator Resource Web Page makes data, maps, tables, charts and graphics and analysis available at the level of geography meaningful to MoDOT personnel.</p> <p>The project has been successful in increasing the use of census data in long-range and project planning, environmental clearance, and in providing a basis for Title VI, Environmental Justice and Limited English Proficiency applications related to department functions.</p>			
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Executive Summary

The MoDOT Socio-Economic Indicator Resource (SEIR) can be found on the World Wide Web at: <http://osed.missouri.edu/modot>. This resource is the end result of a yearlong research process centered on delivering timely and authoritative social and economic data into the hands of all personnel that need it.

A SAS database was developed to house the social and economic indicators selected by the Users-Group. This database contains all of the social and economic data at all geographic levels for the entire project. In order to facilitate trend analysis, the database is comprised of data from both the 1990 and 2000 Census.

A GIS was developed in relation to both the Administrative Units and the underlying small area geographies used to describe them: census tracts, block groups and blocks; county and city; road and interstate line work; as well as for other geographies that may or may not be used in the future, i.e. school districts and zip code tabulation areas.

Social and economic data in the form of Maps, Charts and Tables were created for Planning Districts, Regional Planning Commissions, and Metropolitan Planning Organizations and are located on the website. The tabular and graphical forms of content comprise the bulk of the website.

In addition to the pre-generated content, a web-based Data Query application was developed and implemented in order to facilitate the retrieval of user specified datasets at the appropriate Administrative Unit and at specified geographic detail. Data is provided in several formats (.csv, .sas, and .html) and for both 1990 and 2000 time periods, separately or as a trend.

Regional Profile Reports were written that describe the social and economic trends affecting MoDOT Planning Districts.

Environmental Justice Analysis Reports were written for Planning Districts and describe the social and economic environment, in terms of quality of life, for the EJ populations: minorities, low-income, disabled and elderly.

Corridor Analysis was developed using the Highway 65 corridor from the Arkansas and Missouri border to the city of Buffalo, Missouri. The corridor analysis is a prominent feature of the website and the methodology is in place in order to produce more corridor analyses in a timely fashion.

Trainings began on January 31st, and ended February 11th. Four training sites, Springfield, Kansas City, Jefferson City, and St. Louis, from around the state, were selected for administering the trainings. Training evaluations indicate that both the MoDOT Socio-Economic Indicator Resource, and the training sessions are viewed as useful and needed.

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Introduction

The detailed demographic, social and economic characteristics of Missouri are essential elements of MoDOT planning, project development and Environmental Justice functions. Access to such information and its application has been problematic. There is a very great quantity of data from many sources in many different formats with unspecified reliability organized in differing geographic layers. MoDOT staff needs easy access to up-to-date social and economic information that is relevant, authoritative, convenient and understandable.

This project was designed to provide easy-to-use social and economic data in the specific geographies used by the MoDOT. The website developed as a result of this project provides up-to-date, authoritative data and information for use in transportation planning and project development. The Socio-Economic Indicator Resource Web Page makes data, maps, tables, charts and graphics, and analysis available at the level of geography meaningful to MoDOT personnel.

Objectives

The objectives of this research were to identify the relevant social and economic data for use at MoDOT, and then to develop and implement authoritative information products and electronic applications that could be easily used by MoDOT personnel for planning, project development, and for Title VI and Environmental Justice applications.

- Develop and implement a social and economic indicator database.
- Develop and implement various content formats for display on the World Wide Web.
- Provide training on the understanding and use of the social and economic data.

Present Condition

Prior to this project it was not clear how social and economic indicators should best be aligned for analysis for transportation functions. Also, there were no integrated sets of reports or information system tools available to MoDOT staff for this data. Neither was there a training program in place to encourage the appropriate use of such information.

Technical Approach

The following section details the methods that were employed in order to achieve the project objectives and when applicable a web-link to a page on the web site that illustrates the final outcome of that technical approach.

At the very outset of the project a Users-Group was created with the function of providing useful knowledge regarding the kinds of data items that would be useful as well as how these pieces should come together in regards to the web application. OSEDA established a project team with expertise in social and economic data analysis and report writing, database design and development, web application design and development, and training design and delivery. A MoDOT Steering Committee involving Kent Van Landuyt, Ernie Perry, Stefan Denson and Frank Miller provided overall guidance to the project. A Users-Group with representatives from public relations, planning, project development, environmental justice, TMS, district office and RPCs provided input on transportation planning perspectives, the review of best practices and assessment of preliminary designs.

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The driving force behind the project is the Socio-Economic Indicator Resource (SEIR) database (<http://mcdc2.missouri.edu/cgi-bin/uexplore?/pub/data//modotx>). The SEIR database is comprised of 1990 and 2000 Census data at block group, census tract and county level geographies (as well as aggregated to the Administrative Units of the Planning District, Regional Planning Commission, and Metropolitan Planning Organization). The SEIR Database also includes 2000 Census data at all geographies for the MPO portions that fall in the States of Kansas and Illinois. The MoDOT Socio-Economic Indicator Resource database is maintained on a public access server and exists in SAS format. Aside from being the actual repository for the social and economic data, there is an extensive set of metadata describing the variables that were used to compute the indicators when necessary and a description of the indicators overall. Variables in the database come from both SF1 and SF3 Census datasets for the 1990 and 2000 Census periods.

A GIS was developed that coincides with geography layers maintained by MoDOT for use in creating the map section of the content of the web page, as well as for the corridor analysis. The GIS exists as independent “personal geodatabases” organized by the Administrative Unit for which it serves: MoDOT Planning District, Regional Planning Council, Metropolitan Planning Organization and Corridor. For each Administrative Unit, and their specific sub-regions, for example, the Northwest Planning District, through the “clip” feature of the ArcGIS software numerous geographic layers/boundaries were developed, these are: census block, census block group, census tract, city, county, school district, zip code tabulation area, state highway, federal highway and interstate. Since the GIS utilized the “personal geodatabase” framework of

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the ArcGIS 8.x software, it is possible to make these geographies available to users via a cd-rom or on a server.

The best method for deployment of a project of this nature was through the World Wide Web (<http://osedamissouri.edu/modot>). Thus, the SEIR web page was developed in order to deliver the maps, tables, charts and analysis to the end user at the appropriate Administrative level (for an example of the data elements supplied for the Planning Districts see Appendix C, for an example of the web pages serving up the content for the Regional Planning Commissions see Appendix D, for an example of the web pages serving up the content for the Metropolitan Planning Organizations see Appendix E). Over 2300 maps were created using ArcGIS 8.2 software and Adobe Photoshop 5.0, and exist in both .gif and .pdf formats (for examples of the types of maps that were created for this project see Appendix J). Breakpoints in maps were uniquely determined for each map based on the distribution of the indicator. This was done in order to present regional maps that would be meaningful to that region rather than based on a universal rubric that may or may not highlight the region's individual trends. Over 1700 tables were created using SAS 8.2 software, these exist in.html and .pdf formats. Over 1000 Charts were created using Microsoft Excel 2000 and Adobe Photoshop 5.0, these are provided in .gif format.

A key aspect of the web application is the ability to query the SEIR database directly (<http://mcdc2.missouri.edu/websas/modotda.html>). A stand-alone web application, linkable from the SEIR homepage, was developed in order to accommodate this need. The Data Query application allows users to select Administrative Units and sub geographies for which they want social and economic data for the 1990 and 2000

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Census periods. Choices can be further filtered on select Administrative Units. There are three formats that data can be exported to: .csv format for use with spreadsheet programs, and GIS software, .sas for use with statistical software packages, and .html format for expedient viewing via a web browser. (For an illustration of the Data Query application see Appendix I.)

The environmental justice analysis utilized structural equation modeling to ascertain the quality of life that exists within the neighborhoods that protected populations (minorities, low-income, disabled and elderly) live in (see Appendix B, or http://oseda.missouri.edu/modot/planning/stlouis_analysis.shtml). The units of analysis for the structural equation models were the census block groups for a specific Planning District. Thus, there is an environmental justice analysis for each Planning District. Data for the EJ analysis came from the SEIR database and was analyzed using AMOS 4.0 for the SPSS software.

Corridor analysis was provided for Highway 65 running from Buffalo, Missouri to the Arkansas and Missouri border (see Appendix F). Data was captured for this corridor in 5, 10, 20 and 30-mile increments. Social and economic data were provided for the 4 buffers in the form of an .html table. This data was put together based on block centroids and census block groups. The methodology employed requires the GIS to capture all of the census block centroids that fall within the specified buffer. Since census block units do not have the detailed social and economic data associated with them, block group geographies are used to supply the more detailed social and economic data. However, the corridor buffers typically cut across the census block group geographies creating a situation where only a portion of an entire block group is within a

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buffer. When this happens, an allocation factor derived from the census blocks that have been captured within a block group and weighted by population is applied to the block group. For example, if 25 percent of the block group population has been captured (based on the census blocks), the social and economic indicators for that block group are multiplied by .25 in order to get a value indicative of the percent of the block group (based on the population determined by the blocks that were captured) that fell within the buffer. (http://oseda.missouri.edu/modot/corridor/springfield_hwy65.shtml)

Training sessions were administered in four cities located around the state: Springfield, Jefferson City, Kansas City and St. Louis. These locations were chosen because it was felt that they would be the most central places from which participants around the state would be able to attend. The training session was broken up into 3 mini-sessions each of which served a specific purpose to the training overall, and were highly interactive. The first session (see Appendix G), the less interactive of the sessions, dealt with providing the attendees an increased understanding of the Census since it is Census data that comprises the SEIR. The “Understanding the Census” mini-session dealt with two main aspects of the Census, the geographies for which data are available and the two datasets from which data is pulled (SF1, or 100% data, and the SF3, or the sample data). The second mini-session (see Appendix H) dealt with using the SEIR website directly. Points that were covered included: an overview of the site in general, navigating the site, data from other sites that can be accessed via county selection, how to incorporate the maps, charts and tables into work documents, and illustrating the basic functionality of the SEIR web page. The third and final mini-session (see Appendix I) consisted of providing instruction on how to use the Data Query application. This session was

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organized in two steps. The first step consisted of a walk-through of the various features of the Data Query application. The second step of this session focused around nine “real-world” situations provided to us from the Users-Group and were specific to transportation planning. These exercises were slightly altered for each training site in order to provide examples that would be meaningful to the attendees. The conclusion of the training session involved administering a brief survey to ascertain the effectiveness of the training overall and to receive feedback regarding future features that should be incorporated into the SEIR as well the altering of features that currently exist. These responses, as well as the instrument that was used can be found in Appendix A.

Results and Discussion

The following points describe the end results of the project:

- 1) Understand users, and user data needs.
- 2) Understand the levels of geography needed by various users.
- 3) Increase implementation through a “Team of Early Adopters” that are seen by others as progressive and successful.
- 4) Design SEIR Web Page to serve “light” and “power” users.
- 5) Offer training to enable use of the web page for internal and external data users.
- 6) Design project to allow for changes and data updates as new data becomes available.

Conclusions

The project has been successful in increasing the use of census data in long-range and project planning, environmental clearance, and in providing a basis for Title VI, Environmental Justice and Limited English Proficiency applications related to department functions.

Recommendations

Feedback from users has provided the impetus for the SEIR to do more. User recommendations call for the need to:

- **Provide Corridor Studies to MoDOT on a Statewide and District Basis** - A process needs to be developed and applied for initiating, prioritizing, managing and delivering each corridor study. This process will utilize the SEIR application, allowing MoDOT staff to request and track the progress of corridor studies through the web site.
- **Integrate into SEIR a Block Group and Census Tract Reference Map System** - In responding to feedback from users a feature needs to be added to SEIR that provides reference maps to identify census geographies by location.
- **Provide Access to the Geography Data Sets Included in SEIR** - To increase consistency in reporting and enhance the ability of planners, OSEDA has been asked to make the geography data sets for MoDOT Districts, RPCs, and MPOs available for use. By having access to these data sets, planners will be able to integrate their own data sets into SEIR maps as needed.
- **Integrate Cross-Tabulated Data into SEIR** - Census data provides detailed social and economic data for specific sub-populations, i.e. Racial Groups, Male and Female and Age Cohorts. Although not every item in the 2000 Census is cross-tabulated, there has been an expressed need by planners for several cross-tabulated items that are in the census.
- **Integrate Census Transportation Planning Package (CTPP) Data into SEIR** - The CTPP data set includes relevant information regarding commuting patterns and other transportation related issues. This data is organized according to a specific geography, Transportation Area Zone, which will need to be added to the GIS. Users would benefit by the inherent utility of this data coupled with the ease of data retrieval afforded by the SEIR.

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Implementation Plan

Implementation of the project was put into practice post-development, but during the course of the project overall. Implementation consisted of building the database, the various content pieces, the web page, the data query application, the various reports and providing the training sessions on how to access and use the data.

Principal Investigator and Project Members

OSEDA

Lance Huntley	Primary Investigator
John Blodgett	Database Consultant
Evelyn Cleveland	Analyst
Tracy Dranginis	Analyst
Bill Elder	Technical Consultant
Diana Hammond	Web Designer
Daryl Hobbs	Senior Consultant
Tanna Klein	Analyst
Steve Meyer	Systems Support
Courtney Morris	Analyst
Suzanne Schoonover	Administrative Management

MoDOT

Steering Committee

Stefan Denson
Kent Van Landuyt
Frank Miller
Ernie Perry

Users-Group

Scott Bachman
Steven Billings
DeAnne Bonnot
Stephen Clark
Paula Gough
Kim Horton
Mike Shea
Sharon Taegel
Renate Wilkinson

Implementation Objective

The implementation objective was the same as the objective overall; developing a method in which to deliver social and economic data for use in planning and development, as well as increasing the awareness in the use of this kind of data.

Implementation Period

The implementation period began in September when the SF3 Census data was released and currently ended in February with the completion of the final training session.

Funding

Research, Development and Technology provided funding from SPR funds.

Technology Transfer

Technology transfer was carried out through the four training sessions that were administered around the state. Technology transfer was also provided through presentations that were given in January in Washington D.C. at the TRB Conference and in Jefferson City at the District Planner's Meeting.

Procedure

The following section provides the work plan that was developed and completed for this project.

Establish Work Groups

- Establish OSEDA Team
- Establish MoDOT Steering Committee
- Establish MoDOT User Group

Develop Preliminary Design of Databases, Applications, Reports and Training

- Conduct a Literature Review of Transportation-Related Applications of Social and Economic Data.
 - Conduct the Review
 - Write a Summary Report of the Review

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- Present the Report to the Steering Committee for Review and Approval
- Review Best Practices w/ User Group
 - Research Best Practices and Case Studies
 - Work with User Group to Document Work Practices with Data
 - Summarize the Functions and Practices Associated with the Information
- Identify Specific Data Elements as Preliminary Key Indicators
 - Identify an Inclusive Set of Preliminary Key Indicators
 - Work with the User Group to Select Key Indicators and Relate to Function
- Create Preliminary Formats for State, District and Regional "Profiles"
- Organize the Key Indicators Into Profiles that "Tell a Meaningful Story"
 - Present Tables of Contents and Structure for Profiles
 - Finalize Content and Format of the Profiles
- Create Preliminary Presentation Formats for Corridor Analyses
- Coordinate GIS layers for Profiles and Corridor Analyses
- Develop A Communications Plan to Coordinate Training and Implementation
- Develop, Test and Refine Databases, Applications, Reports and Training**
 - Create Key Indicator Databases
 - Create the SAS Data Sets for the Key Indicators
 - Build the Documentation Files for Key Indicators
 - Build Profile Applications and Reports—design layout
 - Write, Review and Edit Narrative Analysis for State and District Profiles
 - Test and Refine Profile Applications and Reports with User Group
 - Test and Refine Corridor Applications and Reports with User Group
 - Analyze and Write Draft Interpretative Narratives for Profile Sections
- Implement Databases, Applications, Reports and Training**
 - Initiate the Implementation Communications Plan
 - Launch Production Versions of the Databases, Profiles, Applications and Reports
 - Conduct Demonstration and Presentations of the System
- Training**
 - Assess Training Needs
 - Adopt Training Approach
 - Design Training and Materials
 - Promote and Organize Training Sessions
 - Conduct and Evaluate Training
 - Update Training Design
- Evaluate and Update Databases, Applications, Reports and Training**
 - Evaluate Profiles and Corridor Analysis
 - Update Profile and Corridor Analysis Design
 - Maintain and Update Key Indicator Databases
 - Maintain and Update Profile and Corridor Applications

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Budget

**Expenditure Report Through December, 31st, 2002
Development and Use of Social and Economic Data at MoDOT**

Total Program Budget	Budget Items	Expenditures Through 12/31/2002
	Personnel	
	\$ 170,705	
	Salaries	\$ 144,478.16
	Benefits	\$ 30,648.12
	Expenses	
	\$ 18,000	
	Travel	\$ 2,693.13
	Supplies	\$ 3,043.12
	Training Materials	\$ 3,690.00
	Users-Group Support	\$ 3,699.02
	Printing	\$ 19.50
	Total Direct Cost	\$
	Indirect Cost (.097)	\$ 18,330.00
	Total Project Cost	\$ 206,601.05

APPENDIX A – Training Session Evaluations

Evaluations

The following section provides information relating to the users feedback regarding the training sessions and the overall utility of the web application. The information is divided into two sections. The first section is a listing of the textual responses, by training session location, that attendees gave regarding the training session and the project overall (questions 25 and 26 from the survey instrument). The second section is a set of bar graphs illustrating the scores that were given regarding a set of questions ascertaining the helpfulness of certain aspects of the presentation: the information presented, the materials used, the presenters and an overall rating of the presentation. When reading the bar charts, the higher the score the better. Also included is the instrument that was used to evaluate the training session.

Springfield Training Session Textual Evaluations

- Data Query. When a new geography is selected, refresh page so selection is seen. Separate tables on export (.csv) for # and percent (it's currently harder to follow).
- I'll probably e-mail some other suggestions as I have time to use the system.
- I'll be able to use this a lot – thanks.
- Have participants select their own problems in addition to the ones on the presentation.
- Information at the city level.
- Possibly more tables of interest in the future, i.e. cross-tabulations.
- As stated before, information on the city level. This was provided in the data query info, but not in a lot of tables, charts, etc. in the general website.
- Many of the existing tables and charts for my MPO exist and in a timesavings mechanism to me already. Way to go in anticipating needs for local MPO districts.
- Partial tract and block group info for MPO, also add city as a level of data.
- Speak Louder.
- Very useful program, needs to continue!
- Partial tracts and block groups in calculations for MPOs (so that the sum of the tracts will equal the total for MPO).

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Kansas City Training Session Textual Evaluations

- MPO/RPC split as discussed in training. Separate geography for non-MPO portions of RPCs. Corridor Queries.
- The additional explanation below slide is good reference.
- If possible, gray out lists that are moot or unavailable after an above choice is made. Make County filter for counties in District X like the TMS interface. Make Query Selection III tables larger (the html box).
- For my purposes the available information is extensive.
- I don't think that you need to print out all of materials, People who want them can and should be able to download them.
- ArcIMS and GIS data.
- Great work. Extremely helpful. This will save a lot of time and headaches.
- Access to GIS data.
- GIS layers. Good Job – Very useful too and the presentation was clear and informative.
- Corridor Tool – ability to do quickly.
- Try not to talk to the screen as much.
- Guidebook on website: operation, definitions, queries possible.
- Additional documentation on query how to do.
- Corridor tool: ability to click on a geographic area then route boundary select buffer and run.
- Good tool – keep tweaking – thanks.
- A way to compare corridor alternatives for a project.
- Map making capabilities.
- Great job in simplifying use of website/database.
- Again great job in simplifying the Query and Database features. I would be interested in seeing a comparison in corridor alternatives using proposed linework. (Possibly on-the-fly Digitized Linework). Also an output using GIS-Mapping would be helpful in communicating the data.
- Great job.
- Looks fairly comprehensive. I have no suggestions for additions.
- Thank you very much!

Jefferson City Training Session Textual Evaluations

- Maps within census tracts identified by county. It was discussed to perhaps have such info at the MoDOT district level. From an RPC perspective it would be helpful if it were available by county-where individual counties could be printed. If this were doable at MoDOT Planning level, that would be fine as well.
- Great stuff. In the past, we have spent considerable time compiling regional level data. We won't have to do that for 2000. The Query Option is really a nice feature. Special thanks to MoDOT and OSEDA for all the hard work!
- Description of future census 2000 products to be released by the census bureau.
- List of related web sites or a link to find them.

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- Show SAS inquiry method so people can have a greater appreciation for the data inquiry “front end” now available.
- Provide a short overview of the general OSEDA web site.
- Maybe some case studies would help, possible queries to incoming trainees so that they can benefit from an application they are interested in.
- Have your host assure the internet links are working well.
- Make sure the web works on the training computers.
- Case studies based on queries to incoming students.
- Provide links from application to maps of the census tracts / block groups. Good job/Good Tool!
- Will take back to District and apply to our needs. I think it will be very useful when I become familiar with the program.
- Block maps.
- Political and cultural trends, such as party and civic group affiliations.
- This was all very useful.
- I am interested in working with local governments to build less sprawling more compact communities of all sizes. I’d like to see MoDOT and OSEDA collaborate on assessing peoples wishes for land use and aiding local planning organizations to incorporate that information into plans related to community design.

St. Louis Training Session Textual Evaluations

- A resource map with tract data.
- Block GIS maps.
- More links.
- More GIS maps and links.
- More Case Studies.
- More interactive features on the website.
- Great site.
- Merge MoDOT data (i.e. accidents, Traffic Counts).
- Specific major corridors should be added. In District 6, the following corridors should be addressed: I-55 (from River Des Peres South to X Barracks Rd.); Rte 47 in Franklin County; the entire outer loop (I-270).
- I thought the training was timely and beneficial. The OSEDA website is a very good tool that I intend to use on a regular basis. Is the OSEDA website linked to the MoDOT website?
- Difference between SF3 and SF1. Metadata Info?
- Provide information as a link to MoDOT’s website or Internet site.
- A detail of # of minorities and women unemployed, and in the labor force. Also, as a percent of the total unemployed.
- Good information.

Figure 1. Combined Responses from all Training Sessions Regarding the Helpfulness of the Information Presented During the Training Session

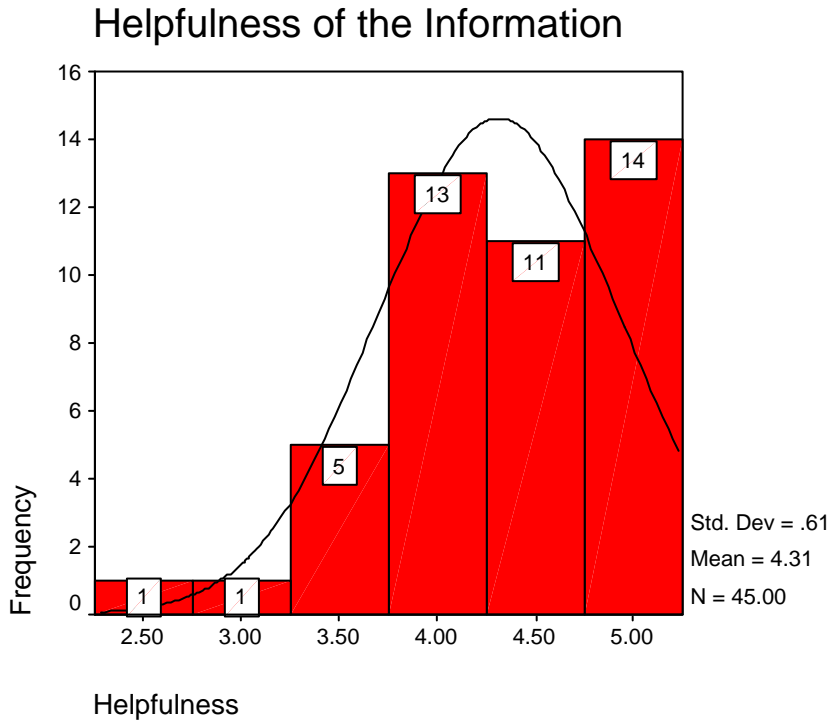


Figure 2. Combined Responses from all Training Sessions Regarding the Helpfulness of the Presentation Materials Used in the Training Session

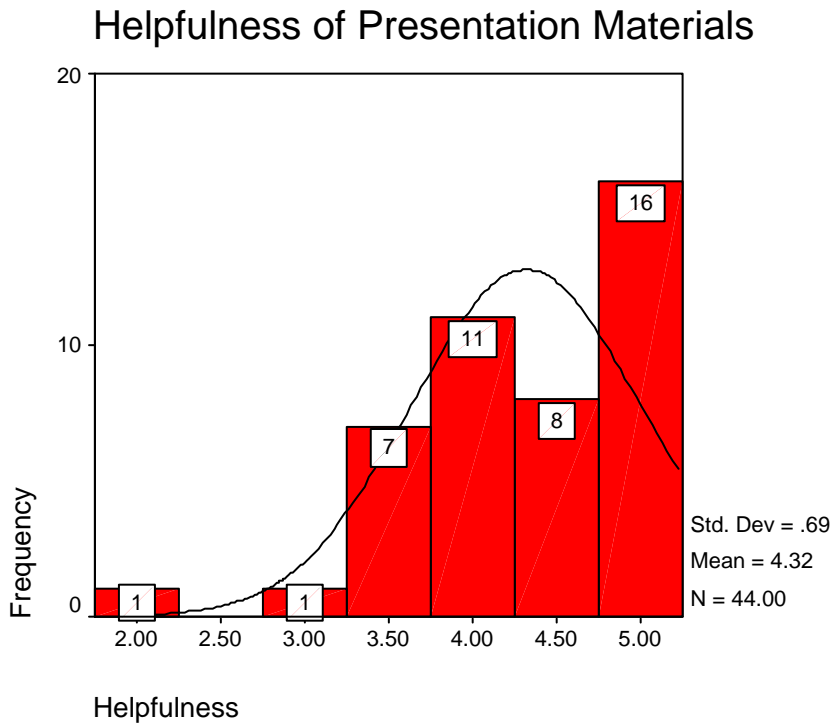


Figure 3. Combined Responses from all Training Sessions Regarding the Helpfulness of the Presenters and the Presentation

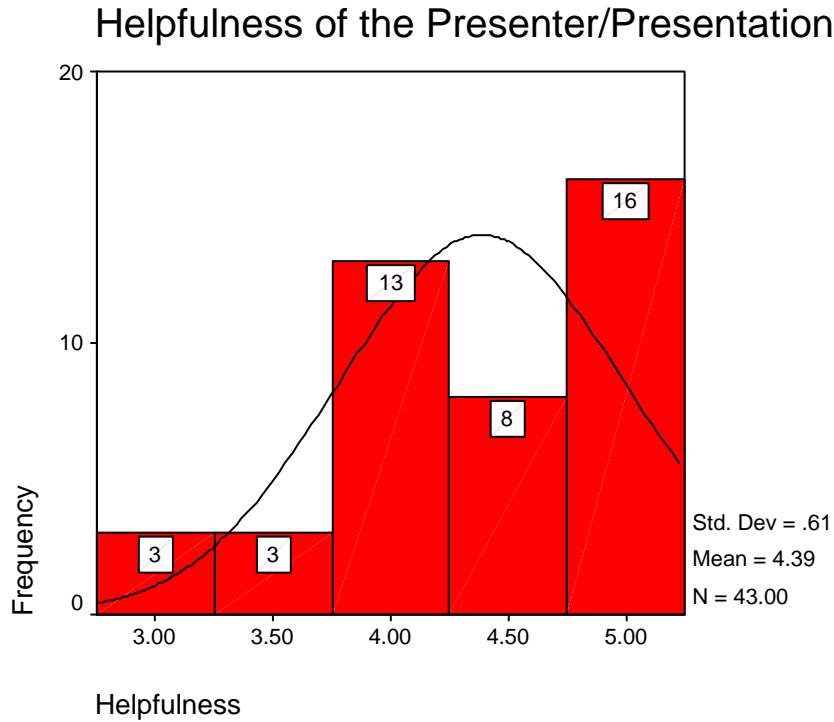
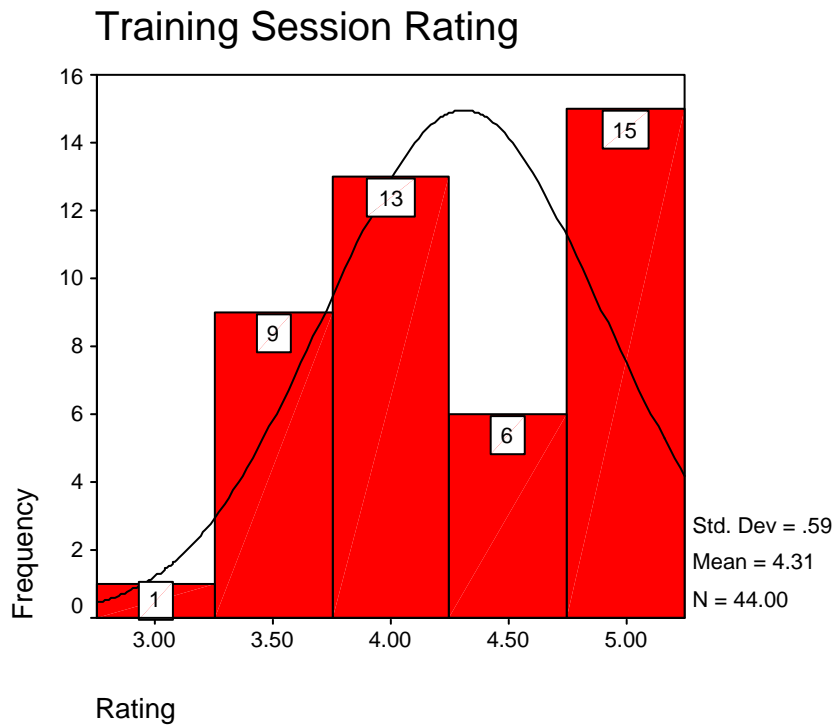


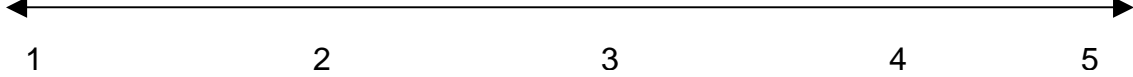
Figure 4. Combined Responses from all Training Sessions Regarding the Overall Usefulness of the Training Session



MoDOT Socio-Economic Indicator Resource Training Evaluation Form – February 10, 2003

1st Session – Overview of US Census

1. How helpful do you find the information provided in this session?



Not helpful

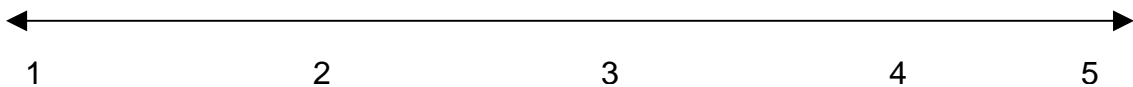
Somewhat helpful

Very helpful

2. What additional information would you like to have?

3. Please identify any information provided that does not seem relevant to your needs.

4. How helpful do you find the presentation materials?



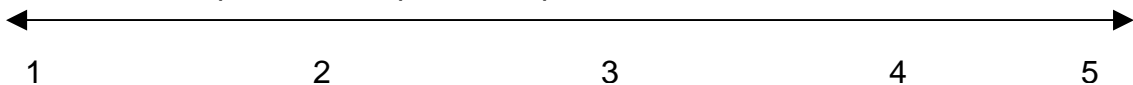
Not helpful

Somewhat helpful

Very helpful

5. What additional materials would you like to have?

6. How helpful was the presenter/presentation?



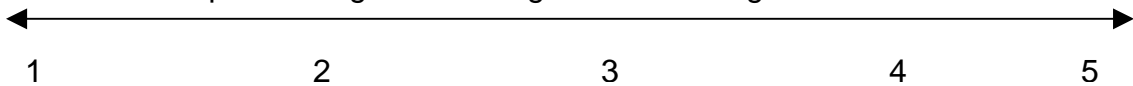
Not helpful

Somewhat helpful

Very helpful

7. Please suggest any changes to the presentation that would be useful.

8. Please provide a general rating for this training session.



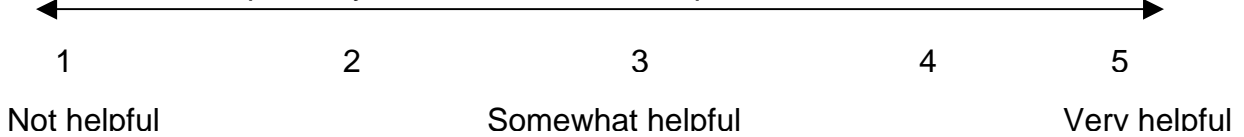
Poor

Adequate

Excellent

Second Session – Using the Website and Database

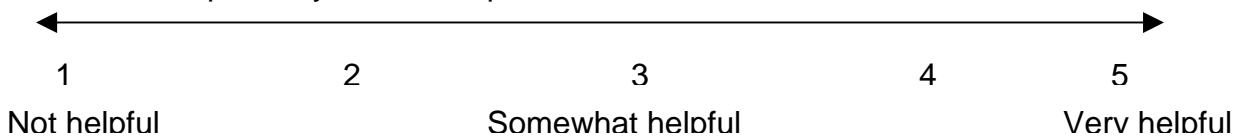
9. How helpful do you find the information provided in this session?



10. What additional information would you like to have?

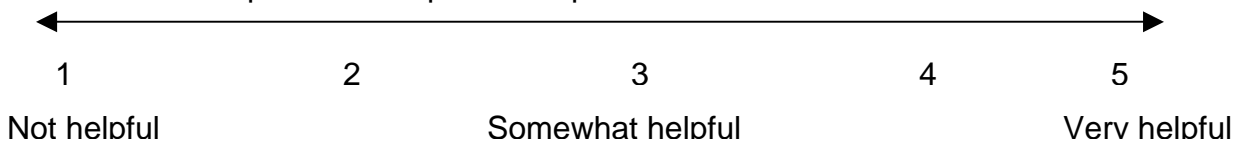
11. Please identify any information provided that does not seem relevant to your needs.

12. How helpful do you find the presentation materials?



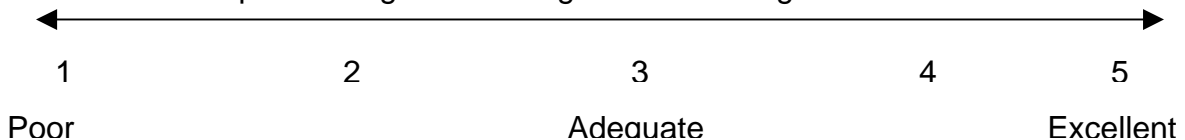
13. What additional materials would you like to have?

14. How helpful was the presenter/presentation?



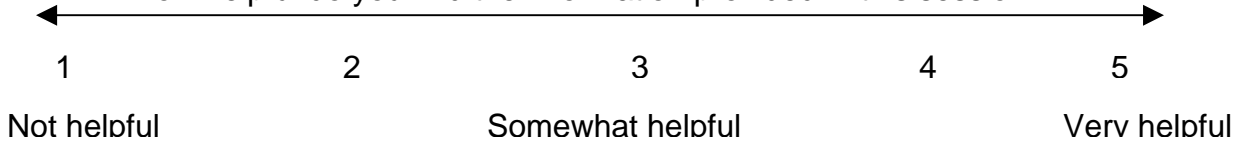
15. Please suggest any changes to the presentation that would be useful.

16. Please provide a general rating for this training session.



Third Session – Using the Data Query Application

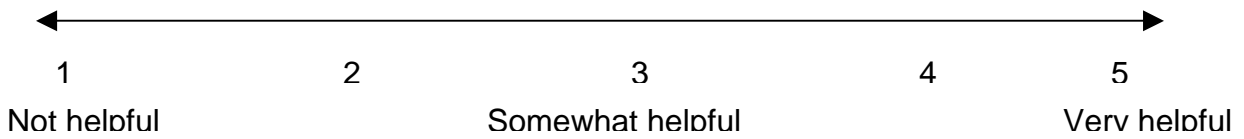
17. How helpful do you find the information provided in this session?



18. What additional information would you like to have?

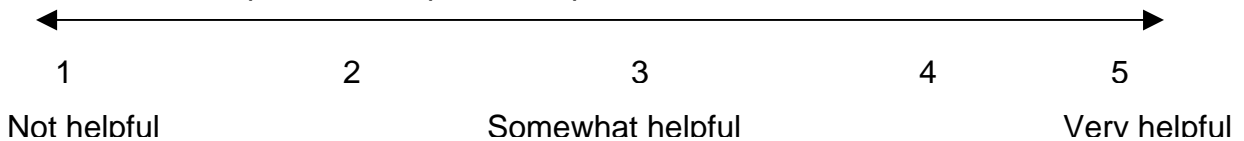
19. Please identify any information provided that does not seem relevant to your needs.

20. How helpful do you find the presentation materials?



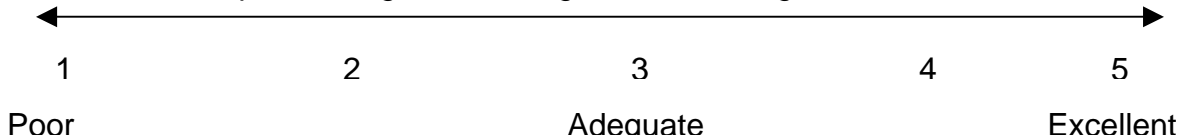
21. What additional materials would you like to have?

22. How helpful was the presenter/presentation?



23. Please suggest any changes to the presentation that would be useful.

24. Please provide a general rating for this training session.



25. What additional features, information, products, and/or services would make the MoDOT Socio-Economic Indicator Resource more valuable to your work?

26. Please note any additional comments or suggestions regarding the training or the MoDOT Socio-Economic Indicator Resource.

Appendix B – Environmental Justice Analysis of District 6

The Relationship of Environmental Justice Populations to Key Socio-Economic Indicators in the St. Louis Area District

Introduction

This narrative provides some insights into the quality of life in MoDOT's St. Louis Area District by considering the relationships between a number of 2000 census variables. The census variables considered were selected based upon two criteria. First, their relevance to Environmental Justice and Title VI (of the Civil Rights Act of 1964) reporting requirements and second, their ability to both describe generally understood characteristics of quality of life and to be statistically testable. It should be noted that the statistical method used, structural equation modeling, provides preliminary analysis for neighborhoods and communities within a MoDOT Planning District. This analysis cannot be generalized to other districts or the state as a whole. It is important to keep in mind that the unit of analysis refers to the conditions within a census block group, and not to any single protected population. Thus, what is being measured by considering the interaction between variables is the social and economic environment of the communities and neighborhoods that comprise the planning district.

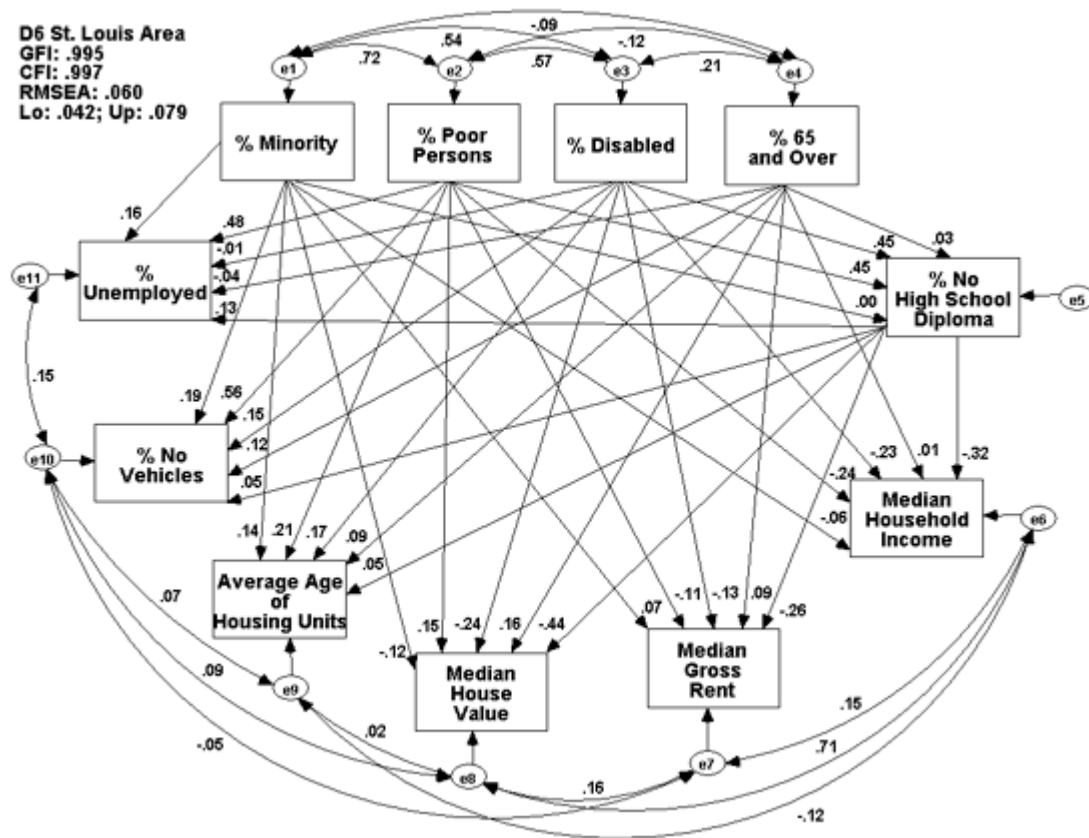
A Quality of Life (QOL) model was selected for two important reasons. First, the purpose of transportation planning is to ensure that all members of a community benefit from planning efforts and none experience disproportionate burden. Second, there is an established use in transportation planning of considering QOL. Forkenbrock (1999) advocated considering the impact of planning on low-income and minority communities to address environmental justice issues including federally funded transportation-related programs, policies, and activities having the potential to adversely affect human health or the environment. Purvis (2001) extended the environmental justice variables to include elderly and disabled populations based on proposed metropolitan and statewide planning regulations released in May of 2000. Purvis suggested the use of a 'discrimination assessment' to include a geographic and demographic profile that addressed these four populations in terms of the positive and negative impacts of transportation services available and planned.

While there is no definitive list of social and economic variables that best measure the quality of life for a geographic area, the Decennial Census of Population and Housing is an exceptional data source to explore this issue. Census 2000 variables used to construct the QOL models include both the populations of importance to MoDOT – low-income, disabled, minorities, and elderly and the variables educational attainment, income, housing, transportation and employment to measure quality of life.

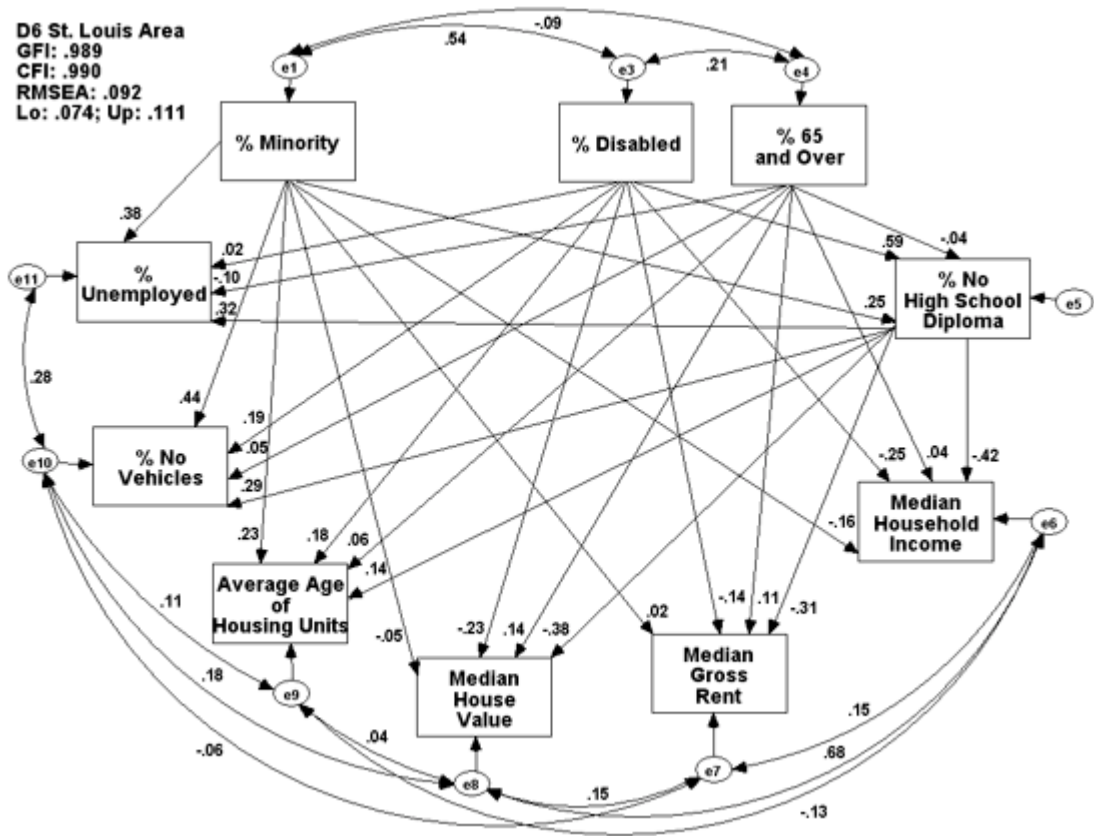
Findings Summary

Preliminary findings reveal that for all but the elderly, the St. Louis Area protected populations were more likely than the general population or other special populations to live in neighborhoods and communities with characteristics indicative of a lesser quality of life than the District in general. The analysis allows planners and other community decision-makers to understand the specific barriers to quality of life and, thus, to address them, as possible, within the context of the planning process.

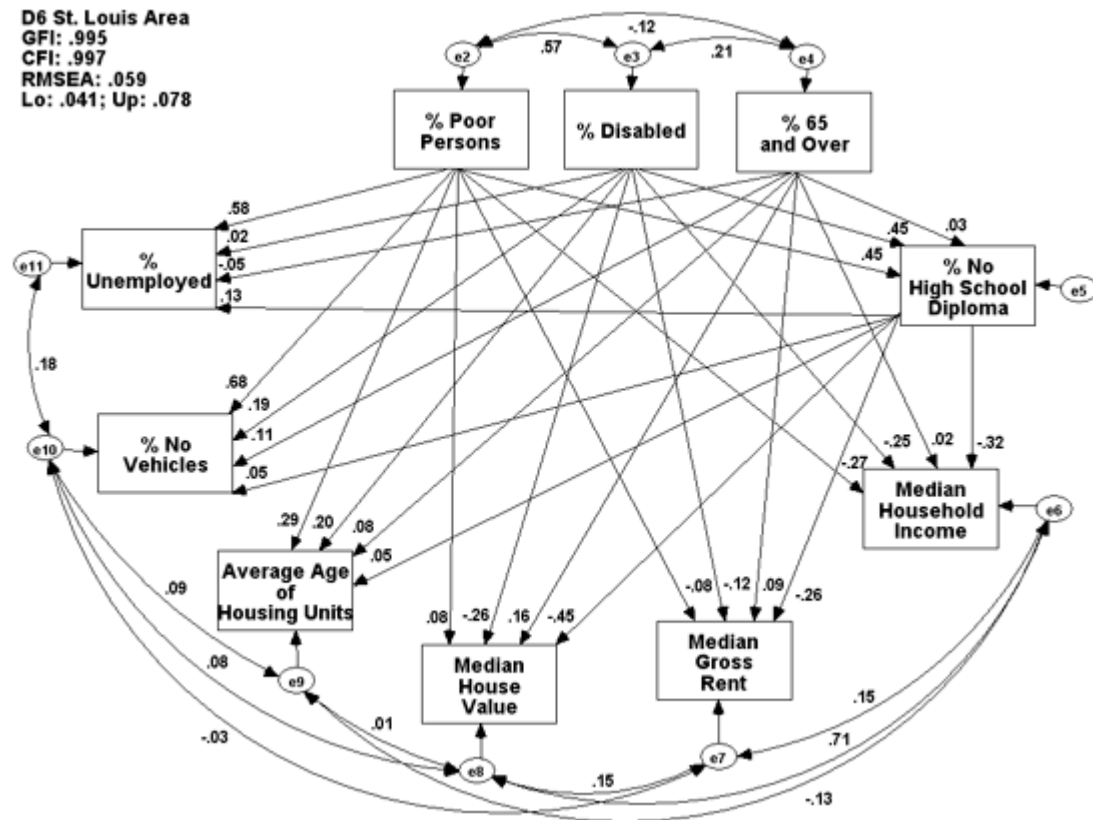
Model 1. QOL Structural Equation Model for the St. Louis Area District



Model 2. QOL Structural Equation Model for the St. Louis Area District with Percent Poor Removed



Model 3. QOL Structural Equation Model for the St. Louis Area District with Percent Minority Removed



Understanding the St. Louis Area District

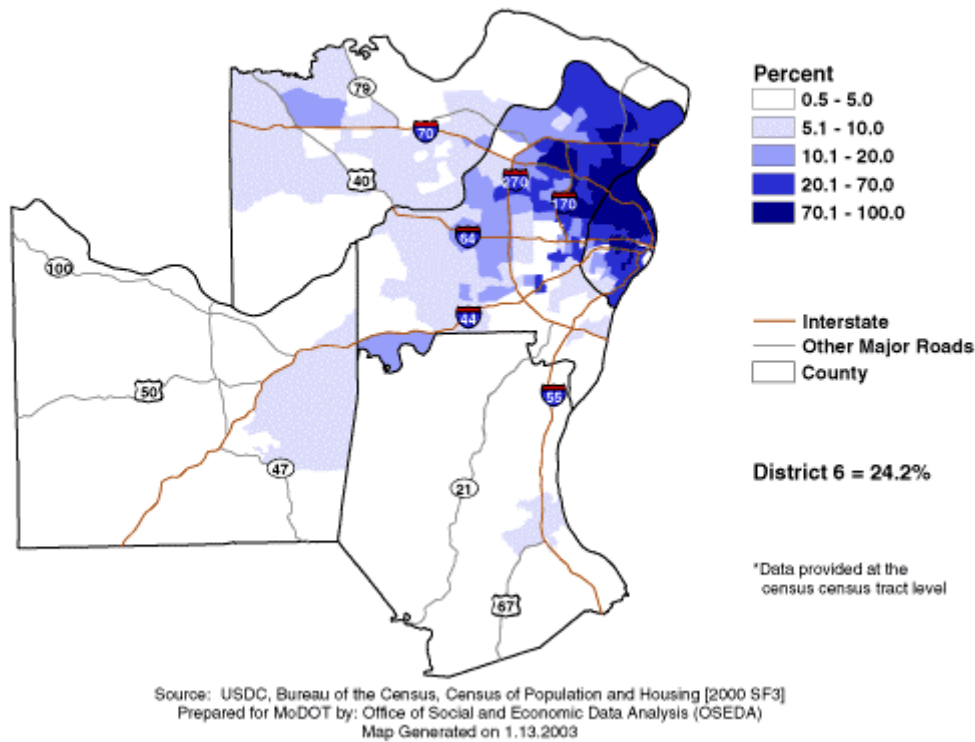
The overall fit of the structural equation model for the St. Louis Area District was statistically significant and indicated that, as a whole, the protected populations and the quality of life variables are related to each other. Further, though the model did not indicate a degree of multicollinearity (i.e., populations or quality of life indicators relating to each other in a manner that detracts from the ability to measure the relationship between a single population and a quality of life variable) significant enough to nullify the overall fit of the model, not all results were as strong as anticipated or related in a manner that supports prior research and the common understanding of these relationships. To test the validity of the results of the model, two additional models were constructed; one that omitted the percent poor variable (**Model 2**) and one that omitted the percent minority variable (**Model 3**). Based on the three models, the following paragraphs first describe the relationships between each protected population and the quality of life

variables and then describe important relationships between the quality of life indicators themselves.

Minority Population

For the model including all protected populations (**Model 1**), the quality of life indicators showing relationships to the minority population were no vehicles available, unemployment, average age of housing, and median house value.

MoDOT Planning District 6 Percent Minority, by County*, 2000



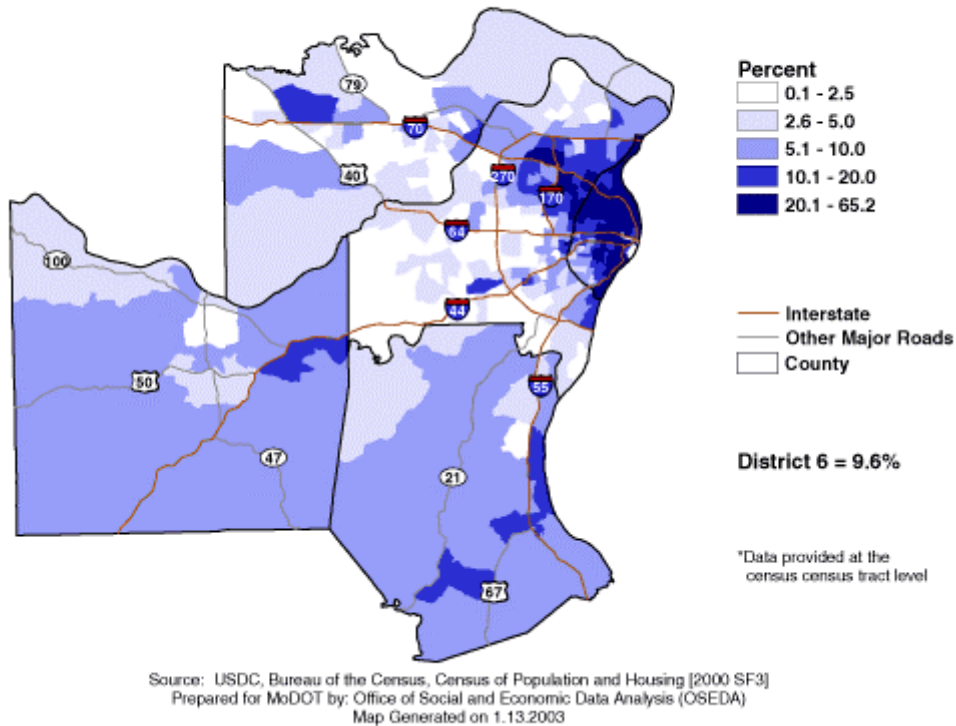
These were all low strength relationships indicating that minorities are more likely to live in communities and neighborhoods with slightly higher unemployment, slightly older houses with lower than the median housing values. They were also more likely to live in neighborhoods and communities with more households that had no vehicle available than the District overall. Conversely, the relationships to median gross rent, median household income, and no high school diploma are negligible. These findings indicate that minority neighborhoods are statistically no more or less likely than all neighborhoods and communities in the St. Louis Area District to have a population that pays more or less in rent, has more or less household income, and has not finished high school.

Because the results for some of the quality of life indicators were not what were anticipated, a model was tested that did not include the variable, percent poor (**Model 2**). This was done to ensure that the quality of life indicators were accurately being measured in regard to the minority population and that the results were not overly influenced by the relationship between minority and poverty. In this model, the strength of the relationships between the percent minority and the variables for unemployment, households without vehicles, and average age of housing units were increased to moderate-strength relationships. Indicating that minorities are more likely to live in neighborhoods characterized by a higher percent of the population unemployed, more households without vehicles, and older housing. However, this model indicated no relationship between the minority population and the median household value, and like the first model, no relationship to median gross rent. The model also described the minority neighborhoods as slightly more likely than the overall district to be characterized by lower household incomes and a greater likelihood of not having a high school diploma.

Poor Population

As anticipated, the model that includes all protected populations (**Model 1**) shows that the poor population tends to live in neighborhoods characterized by households with no vehicle available, high unemployment, and significantly more persons without a high school diploma than the District overall. Additionally, a low-strength relationship exists between the percent poor and median household income, the age of housing, the median house value and gross rent. Thus, the poor population is more likely to live in neighborhoods comprised of older housing units, lower household income, and lower gross rent costs.

MoDOT Planning District 6 Percent Poor, by County*, 2000

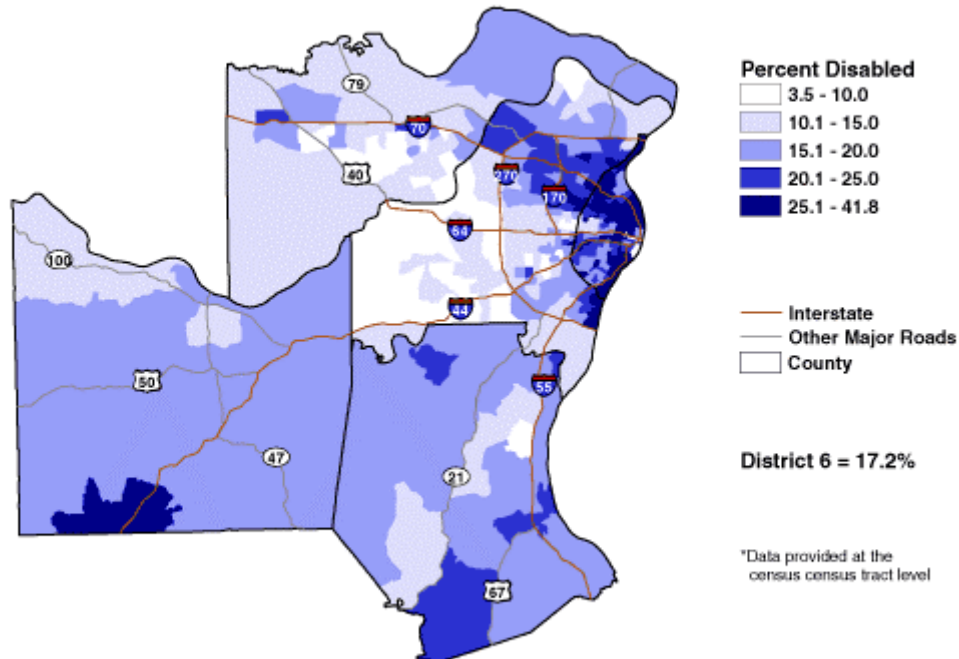


The initial model of the St. Louis Area District shows a negligible, but positive, relationship between the percent of persons poor and median house value. Because this result seemed to contradict previous research as well as community perception, a second model was tested that excluded the minority population (**Model 3**). The results of this model confirmed and showed a strengthened and substantial relationship between the percent poor variable and the likelihood of increased unemployment and an increased probability of households with no vehicles available. The moderate-strength relationship between this population and the variable no high school diploma stayed the same. The relationship between poverty and median household income is stronger than in the first model, indicating that the poor are more likely to live in neighborhoods characterized by low household incomes. In the model excluding the minority population, there was no relationship found between the poverty population and the quality of life indicators measuring housing costs, median household value and median gross rent.

Disabled Population

There was little variation in results of the three models for the disabled population. The models indicate a moderately strong relationship between the percent of persons disabled and the percent of persons without a high school education.

MoDOT Planning District 6 Percent Disabled, by County*, 2000



Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]
Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSED)A
Map Generated on 12.6.2002

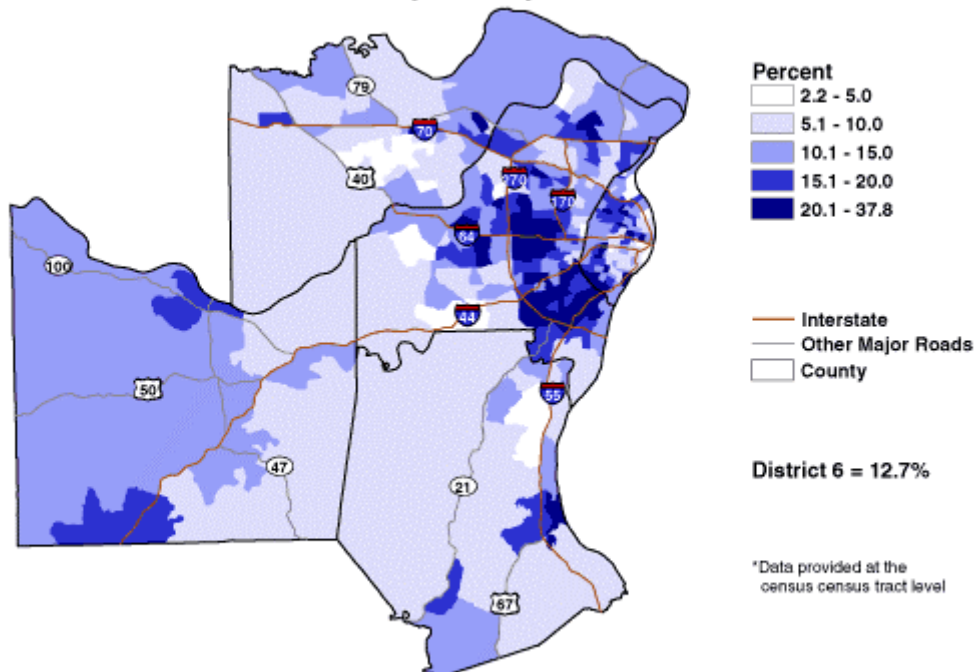
Relationships also exists, but are not as strong, between the percent of the population that is disabled and the median household income and median house value. These findings suggest that the disabled population is more likely to live in neighborhoods and communities with a high percentage of population that does not have a high school diploma and that is poorer and has a housing stock that is overall of lesser value than the median. A similar strength of relationship exists between the percent of the population that is disabled and quality of life indicators, no vehicles and median gross rent. The relationship suggests that the disabled population lives in neighborhoods characterized by a greater percentage of households without vehicles and living in lower cost rental units. There is a negligible positive relationship between the indicator, average age of housing units and the percent disabled, indicating that the disabled are nor more likely to

live in neighborhoods and communities with housing units aged any different than the district overall. The relationship between the percent of persons disabled and the percent unemployed was also negligible, indicating that disabled persons are not very different than the overall population in regard to employment.

65 Years Old and Over

There was little variation in results of the three models for the disabled population. The models reveal that in the St. Louis Area District the elderly population is more likely to live in neighborhoods with higher median house values.

MoDOT Planning District 6 Percent of Persons Age 65 Years or Older, by County*, 2000



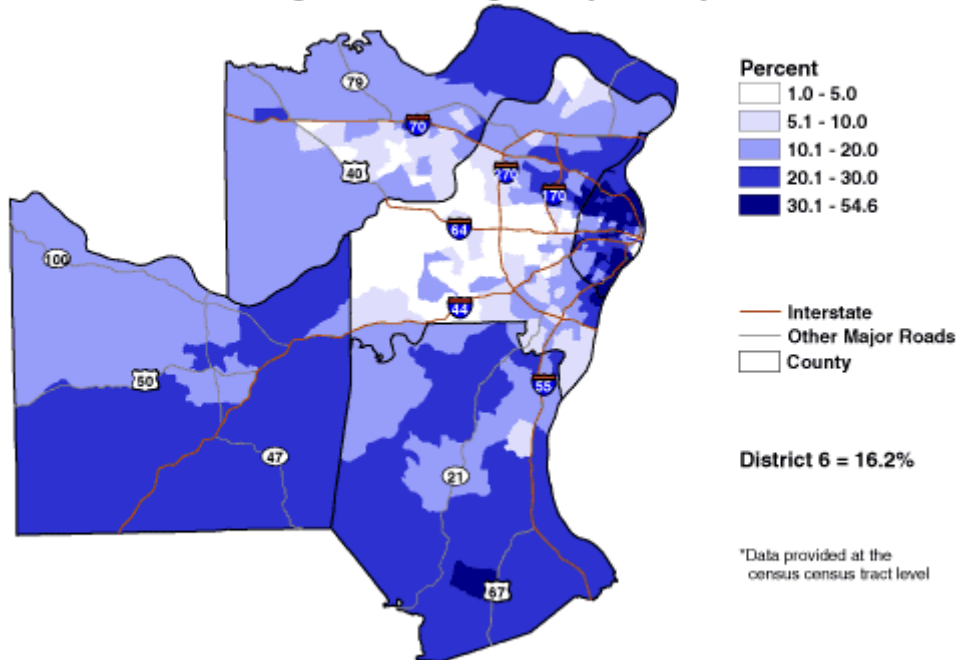
Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]
Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSED)A
Map Generated on 1.13.2003

A weak relationship exists between the elderly population and the percent of housing units without an available vehicle. Something can be learned from examining the lack of relationship between protected populations and quality of life variables. For the elderly population of the St. Louis Area District the lack of findings of significant strength indicates that they typically live in neighborhoods and communities that are no different from those of the general population.

Relationship Between Dependent Variables

The model also offers the means with which to look at the relationship that exists between the percent of persons without a high school education and the quality of life indicators.

MoDOT Planning District 6 Percent of Persons 25 Years or Older Without a High School Degree, by County*, 2000



Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]
Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA)
Map Generated on 12.6.2002

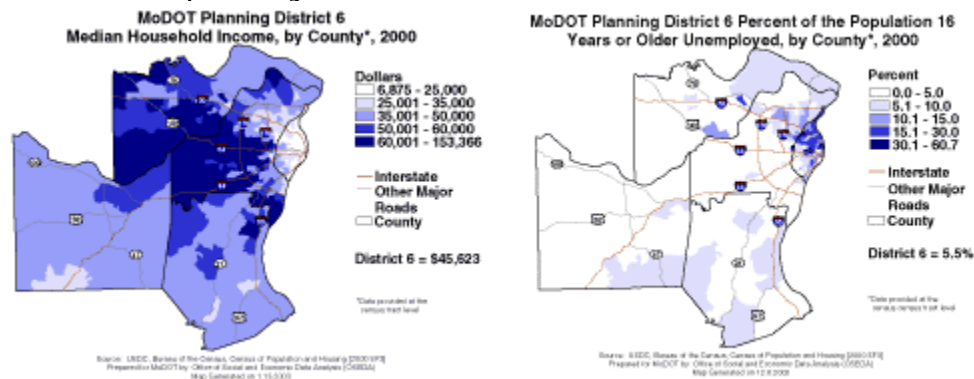
For the model that measures all protected populations (**Model 1**) and the model that measures the poor, disabled, and elderly populations (**Model 3**), neighborhoods that are occupied by a greater percentage of persons without a high school education are characterized by lower house values, lower rent costs, and lower incomes, though a very weak relationship did emerge indicating a greater likelihood to live in newer than average housing. In the model that included minority, disabled, and elderly populations (**Model 2**), the strength of all relationships, but that of average age of housing, were enhanced, finding a substantial relationship between the percent of persons with no high school diploma and lower house values. A moderate relationship exists between percent of persons with no high school diploma and lower rent costs and lower income. A weak relationship exists between the percent of persons without a high school diploma and the likelihood of households with no vehicle available and increased unemployment. The relationship between the percent of population without a high school diploma and the average age of

housing units decreased from a weak to negligible relationship, indicating that the age of housing stock is not a reliable predictor of where this population is located.

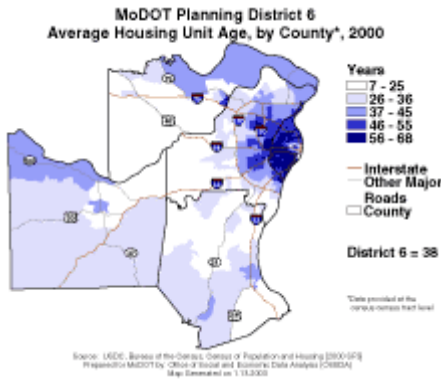
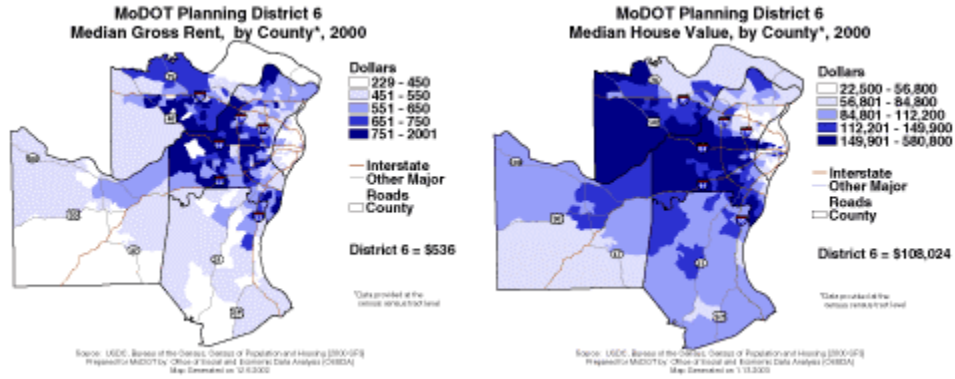
Indicator Selection Criteria

To measure the impact of education on quality of life, the variable of not having a high school education was used. Studies (Rumberger, 1987; Digest of Educational Statistics, 1998) have indicated that persons not completing a high school education are at an increased risk of not finding steady employment, living in less than adequate housing, and earning less when they do work.

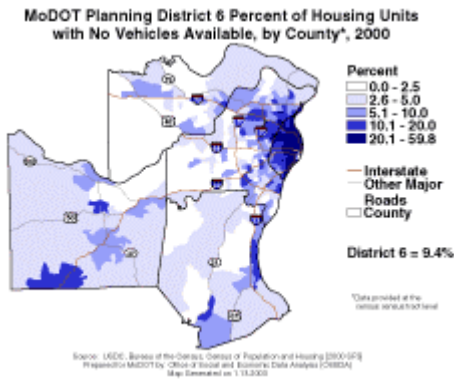
Median household income and unemployment status were chosen as indicators of economic well-being. Typically, the less income available to a household, the more difficult it is to acquire the goods and services indicative of a high quality of life. Unemployment status is a useful measure of economic opportunity as well as a predictor of concentrations of poverty within MoDOT districts.



Median gross rent, median house value and the average age of the housing unit were used as measures of housing quality. Both median gross rent and median house value were included to capture the impact of quality of housing for both households that own and rent. Additionally, there is an established relationship between the market value of housing and the cost. Thus, it is a reasonable assumption that the higher these values the greater the quality of housing units. Because the populations of interest in this model are more likely to live in neighborhoods that are both older and poorer than the general population, the average age of the housing unit was used to complement the variables rent and housing value.



To measure the impact of access to transportation on quality of life, the variable of not having a vehicle available was included. The availability of a vehicle is an important indicator of mobility affecting access to employment opportunities as well as the goods and services necessary to maintain an adequate quality of life. Additionally, districts that indicate a significant number of neighborhoods without access to a vehicle will require an increased need for public modes of transportation.



Appendix: Definition of Variables

Independent Variables

Percent Minority – The percent minority variable is a measure of the percent of all of the single race categories, other than white, that respondents could have chosen from the census questionnaire. These include: African American, American Indian, Asian and Pacific Islander, and Other Race as well as if they selected Hispanic. Overall, 468,987 people comprised the minority population, representing 24.2 percent of the total population.

Percent Disabled – The percent of individuals that were classified as having a disability if any of the following three conditions were true: (1) they were 5 years old and over and had a response of “yes” to a sensory, physical, mental or self-care disability; (2) they were 16 years old and over and had a response of “yes” to going outside the home disability; or (3) they were 16 to 64 years old and had a response of “yes” to employment disability. Overall, 306,973 people comprised the disabled population, or 17.2 percent of the total population for whom disability status could be determined.

Percent Poor – The percent poor variable is a measure of the percent of persons for whom poverty status was determined. The Census Bureau uses the federal government’s official poverty definition. Assigning poverty status takes into account both the family size and total family income. Poverty status was determined for all people except institutionalized people, people in military group quarters, people in college dormitories, and unrelated individuals under 15 years old. The following link is the poverty threshold table for 1999 (<http://www.census.gov/hhes/poverty/threshld/thresh99.html>). Overall, there are 182,864 people, 9.6% of the district’s population, considered poor by federal guidelines.

Percent 65 and Over – The percent 65 and over variable is comprised of the percent of person’s aged 65 years old and over. In total, 12.7 percent of the district’s population is elderly (245,541 people).

Dependent Variables

Percent No High School Diploma – The percent no high school diploma variable is a measure of the persons aged 25 years or older who did not graduate high school and have not received a GED.

Overall, there were 204,151 people (16.2 percent of people aged 25 years or older) who had not received their high school diploma.

Median Household Income – The median household income variable is a measure of the median household income in 1999 dollars. Household income includes the income of the householder and all other individuals 15 years old and over in the household, whether they are related to the householder or not. The median household income for the St. Louis Area District is \$46,184.

Average Age of Housing Units – The average age of housing units variable is a measure of when the unit was built. The average housing unit age for the St. Louis Area District is 37 years.

Median Gross Rent – The median gross rent variable is measured in 1999 dollars. Gross rent is the contract rent plus the estimated average monthly cost of utilities and heating fuels if not included in the contract rent. The median gross rent for the St. Louis Area District is \$537.

Median House Value – The median house value variable is a measure of the median value of housing units in 1999 dollars. Housing units are defined as house and lot, mobile home and lot, or condominium unit. Housing value data were determined by asking a sample of respondents to estimate the value of their owner-occupied housing unit, any housing units that they were buying, or housing units they owned that were vacant and for sale. Value is the respondent's estimate of how much the property would sell for if it were for sale. If the house or mobile home was owned or being bought, but the land on which it sits was not, the respondent was asked to estimate the combined value of the housing unit and property. The median value of housing units in the St. Louis Area District is \$109,508.

Percent No Vehicles – The percent no vehicles variable is a measure of the percent of occupied housing units whose residents reported having no vehicle present. These data show the number of passenger cars, vans, and pickup or panel trucks of 1-ton capacity or less kept at home and available for the use of household members. Vehicles rented or leased for 1 month or more, company vehicles, and police and government vehicles are included if kept at home and used for nonbusiness purposes. Dismantled or immobile vehicles are excluded. Vehicles kept at home but used only for business purposes also are

excluded. Overall, there were 71,602 occupied housing units without a vehicle, or 9.4 percent of all occupied housing units.

Percent Unemployed – The percent unemployed variable measures the percent of persons eligible for work but who were not employed at the time they completed the census. All civilians 16 years old and over were classified as unemployed if they reported that they were neither “at work” nor “with a job but not at work” during the reference week. Also included as unemployed were those who reported that: they were looking for work during the last 4 weeks and were available to start a job, did not work at all during the reference week, were on temporary layoff from a job, had been informed that they would be recalled to work within the next 6 months or had been given a date to return to work, and were available to return to work during the reference week, except for temporary illness. Overall, there were 55,012 persons classified as unemployed, equaling 5.5 percent of the total population eligible to work.

Interpreting Structural Equation Modeling

A statistical method, structural equation modeling, was used to analyze the relationships between the census variables described above. The value of this statistical method is that it allows consideration of whether or not these variables have an effect on each other, and if they do, the strength of that effect. The responses to the variables were aggregated to the level of the census block group. In total, there are 1430 block groups in the St. Louis Area District, 1412 of which were used in the analyses of all three models. If data were missing for any of the eleven variables to be considered in the statistical model, that block group was excluded from the analysis. (In order to better understand the mechanics of the SEM and the terminology associated with the analysis click on the following link: http://oseda.missouri.edu/modot/planning/interpreting_sem.shtml).

This statistical method allows interpretation of the relationship between variables in two different ways. First, it measures whether or not the variables included in the analysis, when considered as a group, show a statistically significant relationship to each other. This is called the overall ‘goodness of fit’. It is important to keep in mind when interpreting this method (and all other statistical methods) that tests the relationship between multiple variables that there is a baseline standard measure that must be met for the overall relationship between variables to be considered significant. Typically this standard is either 90 or 95% agreement between variables. Once that baseline

standard has been met, then the strength of the overall relationship of variables can be considered (for example, a .99 score shows a better fit than a .95 score).

If the overall model is determined to be significant, then the relationships of individual variables to one another are significant. What then becomes of importance is the strength of the relationship between variables. Negligible strength relationships between variables in a model that has passed tests of model fit are still not any good regardless if the model has a strong goodness of fit. Additionally, the model measures whether or not the variables are positively or negatively related to each other. For example, there is a strong positive relationship between higher levels of educational attainment and having a higher income. Conversely, there is a negative relationship between having a disability and being employed. However, it is important to remember that what is being measured is the strength of the relationship between the populations of interest and the measures of quality of life of the communities that they live in. So, also measured by the model is the impact of the relationship between populations on the relationship between any single population and a quality of life variable (multicollinearity). If the scores that measure the relationship between populations are too high (above .80), then the score that measures the relationship between individual populations and quality of life variables cannot be considered reliable. Fortunately, multicollinearity was not an issue for the populations of interest in the St. Louis Area District.

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Purvis, Charles L. (2001). Data and Analysis Methods for Metropolitan-Level Environmental Justice Assessment. Transportation Research Record 1756, Paper No. 01-2907 Sustainability and Environmental Concerns in Transportation 2001


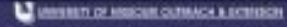
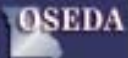
Rumberger, R. W. (1987). High School Dropouts: A Review of Issues and Evidence. *Review of Educational Research* 57:101-121.

Digest of Education Statistics (1998). Washington, D.C.: U.S. Dept. of Health, Education, and Welfare, Education Division, National Center for Education Statistics


APPENDIX C – Planning District 6 St. Louis Area

This appendix provides an example of the data elements included for each MoDOT Planning District. A complete set of maps, charts and tables are presented using District 6 as an example.

Introductory Pages




Missouri Department of Transportation Socio-Economic Indicator Resource

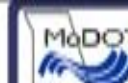


Missouri Department of Transportation Planning Districts
 Click on the regional map to view a particular region



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Missouri Department of Transportation Socio-Economic Indicator Resource

MoDOT Planning District 6 St. Louis Area

- [Environmental Justice Analysis](#)
- [Age](#)
- [Race / Hispanic](#)
- [Employment Status](#)
- [Housing Units](#)
- [Households](#)
- [Income](#)
- [Poverty](#)
- [Population](#)
- [Educational Attainment](#)
- [Disability](#)
- [Transportation](#)



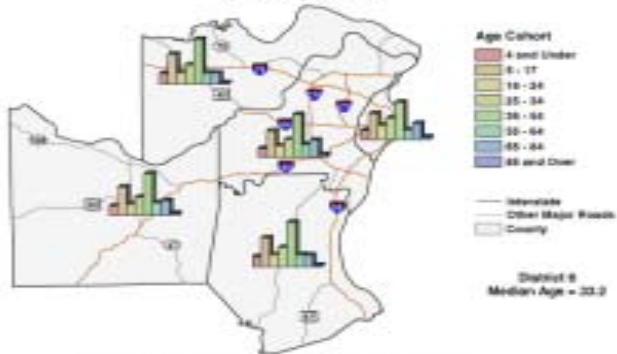
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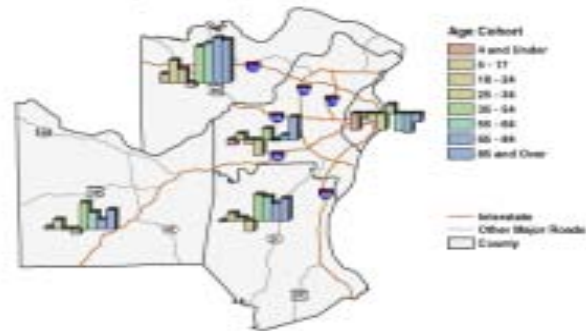
Age Maps

MoDOT Planning District 6 Percent of Total Population by Age Cohort, by County, 2000



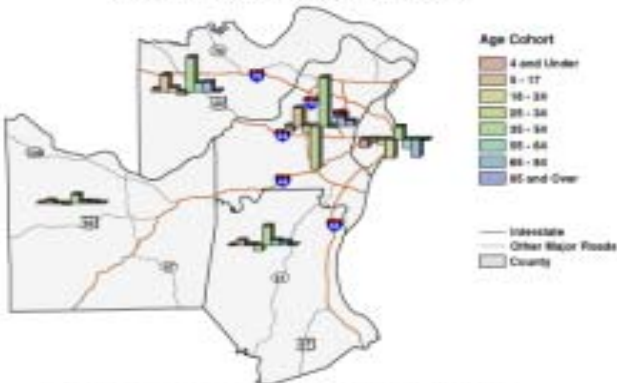
Source: USDC, Bureau of the Census, Census of Population and Housing (2000 SF1)
Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA)
Map Generated on: 6/16/2002

MoDOT Planning District 6 Percent Change of Total Population by Age Cohort, by County, 1990-2000



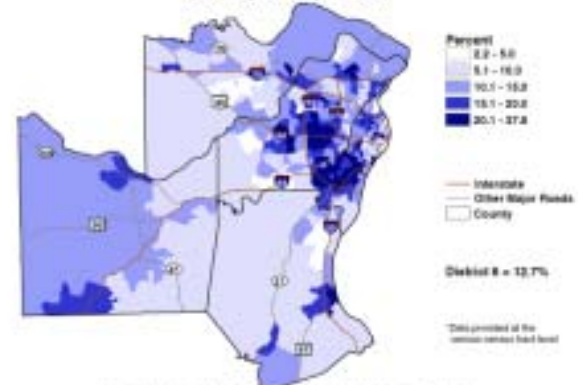
Source: USDC, Bureau of the Census, Census of Population and Housing (1990 SF1, 2000 SF1)
Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA)
Map Generated on: 7/11/2002

MoDOT Planning District 6 Change in Total Population by Age Cohort, by County, 1990 - 2000



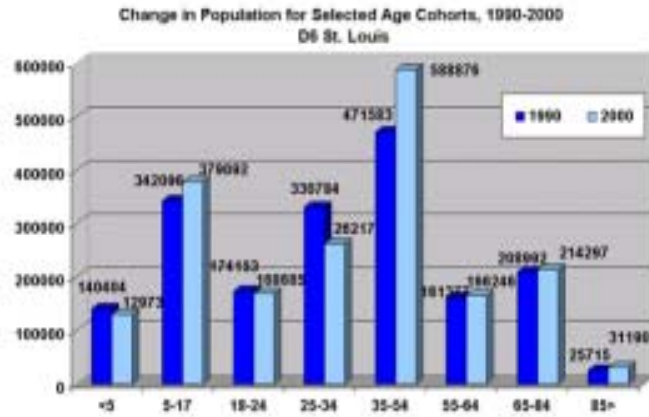
Source: USDC, Bureau of the Census, Census of Population and Housing (1990 SF1, 2000 SF1)
Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA)
Map Generated on: 7/11/2002

MoDOT Planning District 6 Percent of Persons Age 65 Years or Older, by County, 2000

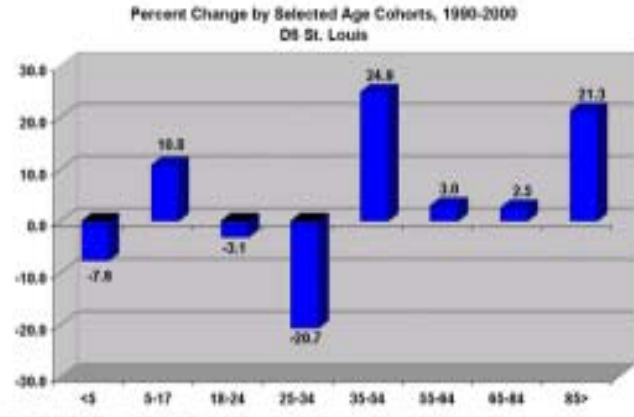


Source: USDC, Bureau of the Census, Census of Population and Housing (2000 SF1)
Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA)
Map Generated on: 1/3/2003

Age Charts



SOURCE: USDC, Bureau of Census, Census of Population and Housing, Summary File 1 (1990, 2000).
 Produced by The Office of Social and Economic Data Analysis, UOE [T. Chang, April 2002]



SOURCE: USDC, Bureau of Census, Census of Population and Housing, Summary File 1 (1990, 2000).
 Produced by The Office of Social and Economic Data Analysis, UOE [T. Chang, April 2002]

Age Tables

**Change in Population Under 18, 1990-2000
D6 St. Louis**

Area Summarized	Population Under 18 Years				Population Age 18 to 17 Years				
	County		Change, 1990-2000		County		Change, 1990-2000		
	FIPS Code	2000	1990	Number	Percent	2000	1990	Number	Percent
D6 St. Louis		120,736	180,859	-60,123	-7.6	279,082	342,086	-62,996	-10.2
20071	Franklin	5,480	6,300	-820	-2.9	19,173	16,682	2,491	14.9
20009	Jefferson	14,207	14,396	-189	-1.3	41,013	36,682	4,331	12.1
20103	St. Charles	21,882	19,823	2,059	13.9	60,988	49,044	11,944	34.8
20189	St. Louis	63,851	69,322	-5,471	-7.9	182,146	175,073	7,073	9.7
20510	St. Louis City	20,477	21,369	-892	-5.1	66,188	69,685	-3,497	-9.8

Source: 1990 and 2000 Decennial Census, Summary File 1
Prepared by University of Missouri, Office of Social & Economic Data Analysis (OSEDA)
Report generated on 11/04/2009 by table_builder.pl, 11/04/2009

**Change in Senior Population in Missouri, 1990-2000
D6 St. Louis**

Area Summarized	Population Age 65 to 64 Years				Population Age 65 yrs or Older				
	County		Change, 1990-2000		County		Change, 1990-2000		
	FIPS Code	2000	1990	Number	Percent	2000	1990	Number	Percent
D6 St. Louis		216,207	208,000	8,207	2.6	311,388	267,716	43,672	21.2
20071	Franklin	9,023	8,703	320	3.4	1,261	1,010	250	28.5
20009	Jefferson	60,420	12,028	48,392	37.7	1,778	1,213	565	34.8
20103	St. Charles	22,479	13,288	9,191	69.4	2,371	1,404	967	66.6
20189	St. Louis	126,820	118,421	8,399	7.3	18,403	13,677	4,726	36.7
20510	St. Louis City	40,620	57,612	-17,002	-29.7	7,263	8,388	-1,125	-13.0

Source: 1990 and 2000 Decennial Census, Summary File 1
Prepared by University of Missouri, Office of Social & Economic Data Analysis (OSEDA)
Report generated on 11/04/2009 by table_builder.pl, 11/04/2009

**Missouri Population Age 18 to 24 Years and Age 25 to 34 Years, 1990-2000
D6 St. Louis**

Area Summarized	Population Age 18 to 24 Years				Population Age 25 to 34 Years				
	County		Change, 1990-2000		County		Change, 1990-2000		
	FIPS Code	2000	1990	Number	Percent	2000	1990	Number	Percent
D6 St. Louis		588,685	174,153	-416,532	-21.1	262,172	330,704	-68,532	-20.7
20071	Franklin	7,670	7,721	-51	-0.6	12,368	13,380	-1,012	-7.6
20009	Jefferson	16,336	16,762	-426	-2.6	27,298	32,479	-5,181	-16.1
20103	St. Charles	23,194	19,140	4,054	21.2	30,688	42,618	-11,930	-28.0
20189	St. Louis	94,964	89,716	5,248	5.5	128,486	169,600	-41,114	-24.3
20510	St. Louis City	36,813	41,422	-4,609	-11.1	54,395	72,668	-18,273	-25.1

Source: 1990 and 2000 Decennial Census, Summary File 1
Prepared by University of Missouri, Office of Social & Economic Data Analysis (OSEDA)
Report generated on 11/04/2009 by table_builder.pl, 11/04/2009

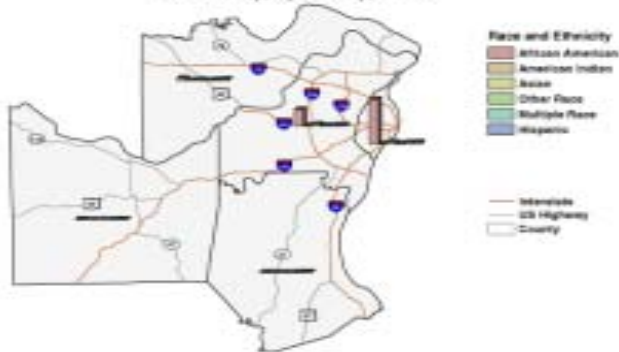
**Missouri Population Age 35 to 54 Years and Age 55 to 64 Years, 1990-2000
D6 St. Louis Area**

Area Summarized	Population Age 35 to 54 Years				Population Age 55 to 64 Years				
	County		Change, 1990-2000		County		Change, 1990-2000		
	FIPS Code	2000	1990	Number	Percent	2000	1990	Number	Percent
D6 St. Louis Area		588,676	471,583	117,093	24.8	186,246	161,377	24,869	15.4
20071	Franklin	28,163	19,900	8,263	41.5	6,008	6,810	-802	-11.8
20009	Jefferson	62,134	44,944	17,190	40.5	17,302	12,568	4,734	37.7
20103	St. Charles	69,223	68,217	1,006	1.4	22,688	14,070	8,618	61.3
20189	St. Louis	317,342	285,778	31,564	11.4	82,570	94,013	-11,443	-12.2
20510	St. Louis City	54,404	62,644	-8,240	-14.2	25,078	33,910	-8,832	-26.0

Source: 1990 and 2000 Decennial Census, Summary File 1
Prepared by University of Missouri, Office of Social & Economic Data Analysis (OSEDA)
Report generated on 11/04/2009 by table_builder.pl, 11/04/2009

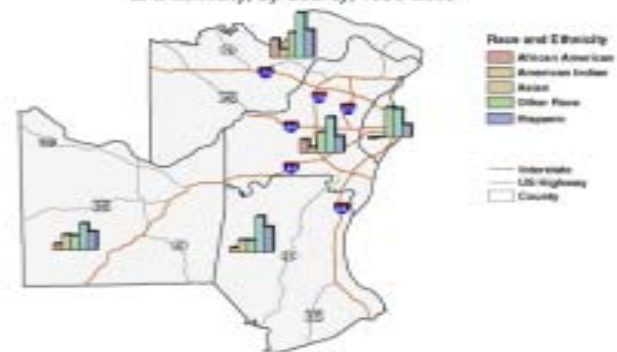
Race/ Hispanic Maps

MoDOT Planning District 6 Percent of Total Population by Race and Ethnicity, by County, 2000



Source: USDC, Bureau of the Census, Census of Population and Housing (2000 PH1)
Prepared by MoDOT by Office of Social and Economic Data Analysis (2002A)
Map Generated on 04/20/02

MoDOT Planning District 6 Percent Change of Total Population by Race and Ethnicity, by County, 1990-2000



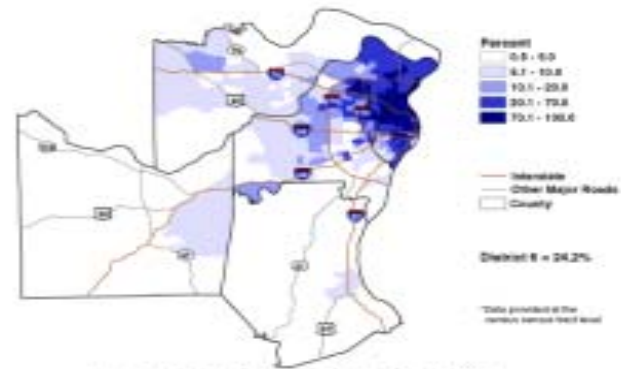
Source: USDC, Bureau of the Census, Census of Population and Housing (1990 PH1, 2000 PH1)
Prepared by MoDOT by Office of Social and Economic Data Analysis (2002A)
Map Generated on 04/20/02

MoDOT Planning District 6 Change in Total Population by Race and Ethnicity, by County, 1990-2000



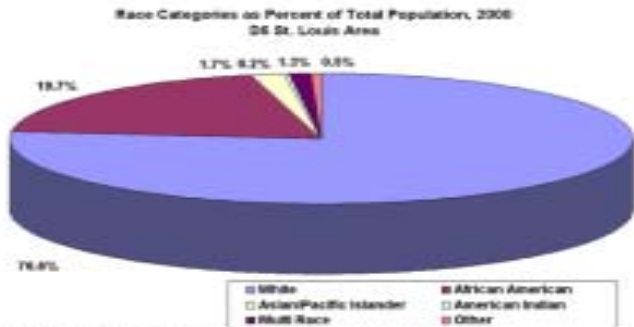
Source: USDC, Bureau of the Census, Census of Population and Housing (1990 PH1, 2000 PH1)
Prepared by MoDOT by Office of Social and Economic Data Analysis (2002A)
Map Generated on 04/20/02

MoDOT Planning District 6 Percent Minority, by County*, 2000

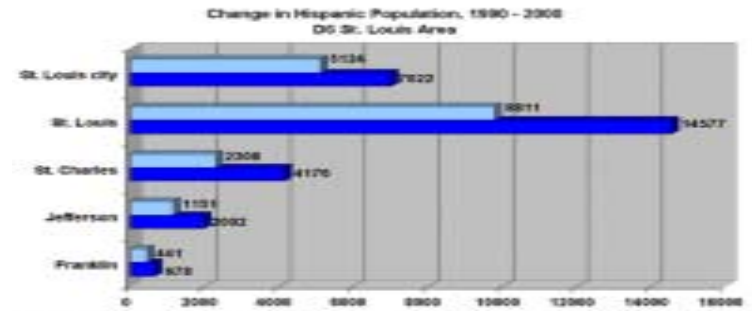


Source: USDC, Bureau of the Census, Census of Population and Housing (2000 PH1)
Prepared by MoDOT by Office of Social and Economic Data Analysis (2002A)
Map Generated on 1/10/2002

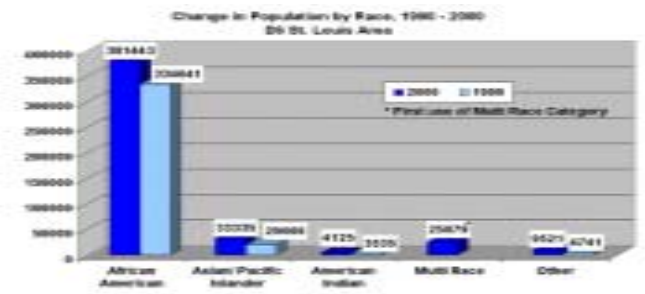
Race/ Hispanic Charts



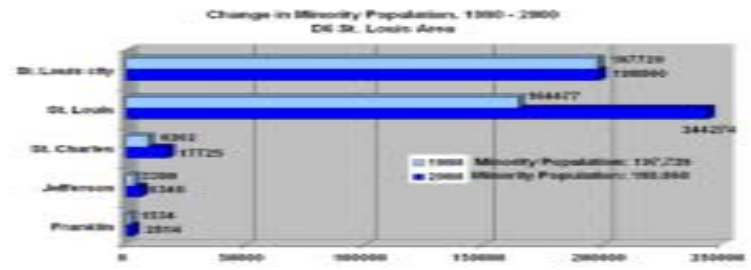
SOURCE: USDC, Bureau of Census, Census of Population and Housing, Summary File 1 (2000).
Produced by: The Office of Social and Economic Data Analysis, UOE (J. Dranginis, May 2002)



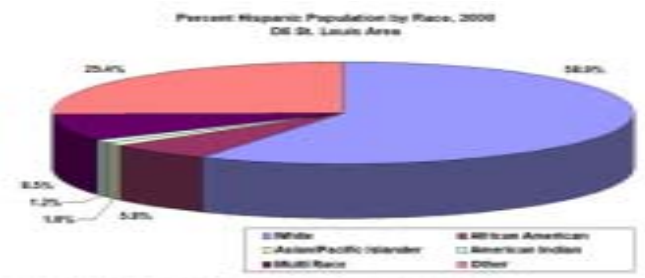
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Produced by: The Office of Social and Economic Data Analysis, UOE (J. Dranginis, May 2002)



SOURCE: USDC, Bureau of Census, Census of Population and Housing, Summary File 1 (2000).
Produced by: The Office of Social and Economic Data Analysis, UOE (J. Dranginis, May 2002)



SOURCE: USDC, Bureau of Census, Census of Population and Housing, Summary File 1 (2000).
Produced by: The Office of Social and Economic Data Analysis, UOE (J. Dranginis, May 2002)



SOURCE: USDC, Bureau of Census, Census of Population and Housing, Summary File 1 (2000).
Produced by: The Office of Social and Economic Data Analysis, UOE (J. Dranginis, May 2002)



SOURCE: USDC, Bureau of Census, Census of Population and Housing, Summary File 1 (2000).
Produced by: The Office of Social and Economic Data Analysis, UOE (J. Dranginis, June 2002)

Race/ Hispanic Tables

**Total and MultiRace Population in Missouri, 1990-2000
D6 St. Louis Area**

Area Subdivided	County	Total Multi-Race Population 1990-2000			
		1990	2000	Number	Percent of Total Population
1990	St. Louis Area	1,345,251	1,352,719	20,279	1.5
2001	Franklin	93,827	94	89	0.0
2000	Affairs	140,000	1,261	0.9	0.0
2001	St. Charles	283,953	2,044	0.7	0.0
2000	St. Louis	1,216,295	12,580	1.0	0.0
2001	St. Louis City	345,100	5,550	1.6	0.0

**Hispanic Population in Missouri, 1990-2000
D6 St. Louis Area**

Area Subdivided	County	Hispanic Population			
		1990	2000	Number	Percent of Total Population
1990	St. Louis Area	25,492	42,892	16,800	1.3
2001	Franklin	429	44	20	0.0
2000	Affairs	2,000	1,100	89	0.0
2001	St. Charles	4,100	2,800	1,300	0.9
2000	St. Louis	14,571	2,994	4,100	1.4
2001	St. Louis City	7523	9,124	1,600	2.3

**Other Race Population in Missouri, 1990-2000
D6 St. Louis Area**

Area Subdivided	County	Other Race Population			
		1990	2000	Number	Percent of Total Population
1990	St. Louis Area	102	4,740	4,738	0.3
2001	Franklin	160	160	89	0.2
2000	Affairs	470	230	246	0.2
2001	St. Charles	1,200	987	745	0.3
2000	St. Louis	1,275	2,328	1,053	0.2
2001	St. Louis City	2,700	1,000	1,274	3.4

**Asian and Pacific Islander Population in Missouri, 1990-2000
D6 St. Louis Area**

Area Subdivided	County	Asian and Pacific Islander Population			
		1990	2000	Number	Percent of Total Population
1990	St. Louis Area	2,228	20,849	12,084	0.9
2001	Franklin	22	65	40	0.0
2000	Affairs	700	600	40	0.4
2001	St. Charles	2,000	1,600	1,000	0.5
2000	St. Louis	22,000	15,500	9,000	0.7
2001	St. Louis City	9,000	2,700	2,000	0.6

**African American Population in Missouri, 2000-2000
D6 St. Louis Area**

Area Subdivided	County	African American Population			
		1990	2000	Number	Percent of Total Population
1990	St. Louis Area	271,493	289,247	17,754	1.3
2001	Franklin	300	700	70	0.0
2000	Affairs	1,000	1,000	100	0.0
2001	St. Charles	7,000	4,000	2,000	0.7
2000	St. Louis	261,000	285,000	24,000	1.9
2001	St. Louis City	101,000	100,000	10,000	2.9

**American Indian and Aleut Population in Missouri, 1990-2000
D6 St. Louis Area**

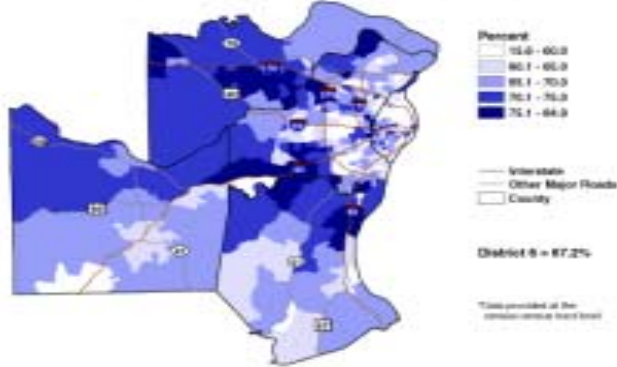
Area Subdivided	County	American Indian and Aleut Population			
		1990	2000	Number	Percent of Total Population
1990	St. Louis Area	4,120	2,020	2,100	0.2
2001	Franklin	224	160	64	0.0
2000	Affairs	600	400	200	0.0
2001	St. Charles	800	620	180	0.2
2000	St. Louis	1,777	1,677	100	0.0
2001	St. Louis City	600	600	0	0.0

**Racial Minority Population in Missouri, 1990-2000
D6 St. Louis Area**

Area Subdivided	County	Racial Minority Population			
		1990	2000	Number	Percent of Total Population
1990	St. Louis Area	673,010	676,261	3,251	0.5
2001	Franklin	2,000	1,000	1,000	0.0
2000	Affairs	6,000	6,000	600	0.0
2001	St. Charles	17,200	6,000	6,000	0.2
2000	St. Louis	248,274	248,274	79,700	3.2
2001	St. Louis City	180,000	187,200	7,200	2.1

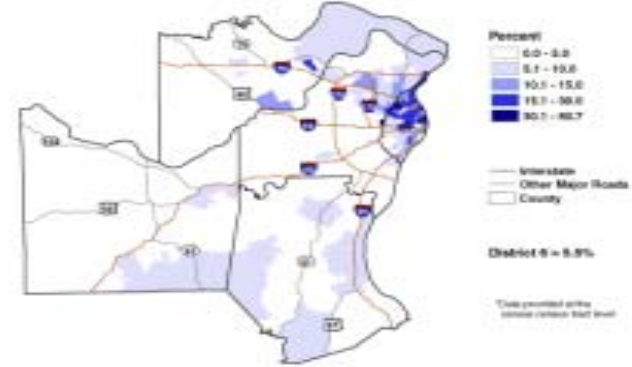
Employment Status Maps

MoDOT Planning District 6 Percent of the Population 16 Years or Older Employed in the Civilian Labor Force, by County*, 2000



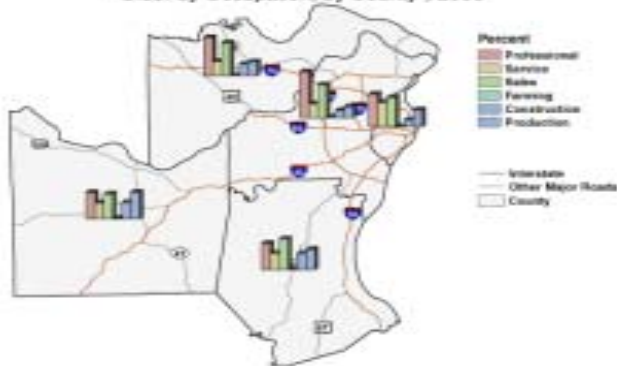
Source: USDC, Bureau of the Census, Current of Population and Housing (2000 SF3)
Prepared for MoDOT by Office of Social and Economic Data Analysis (OSEDA)
Map Generation: 1/14/2008

MoDOT Planning District 6 Percent of the Population 16 Years or Older Unemployed, by County*, 2000



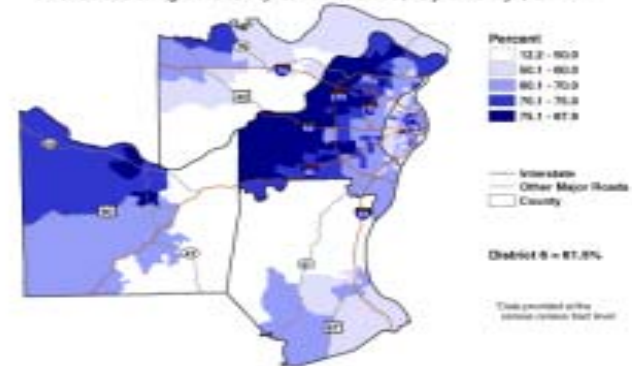
Source: USDC, Bureau of the Census, Current of Population and Housing (2000 SF3)
Prepared for MoDOT by Office of Social and Economic Data Analysis (OSEDA)
Map Generation: 1/14/2008

MoDOT Planning District 6 Percent of the Population 16 Years or Older by Occupation, by County*, 2000



Source: USDC, Bureau of the Census, Current of Population and Housing (2000 SF3)
Prepared for MoDOT by Office of Social and Economic Data Analysis (OSEDA)
Map Generation: 1/14/2008

MoDOT Planning District 6 Percent of the Population 16 Years or Older Working in County of Residence, by County*, 2000

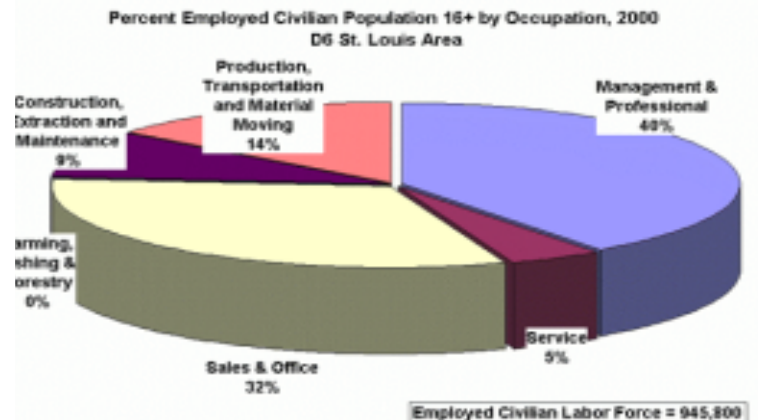


Source: USDC, Bureau of the Census, Current of Population and Housing (2000 SF3)
Prepared for MoDOT by Office of Social and Economic Data Analysis (OSEDA)
Map Generation: 1/14/2008

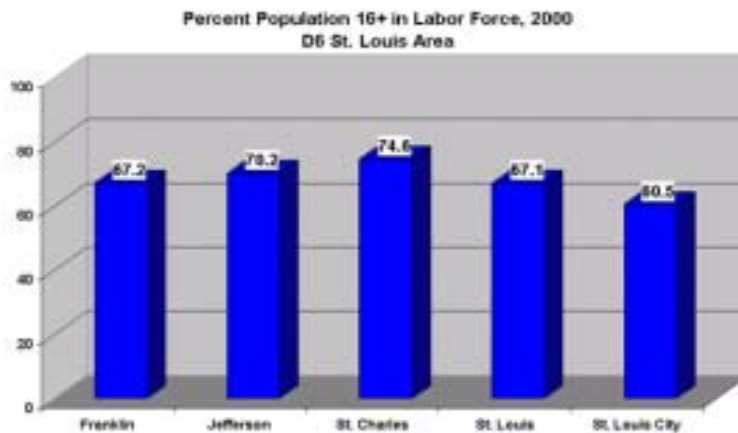
Employment Status Charts



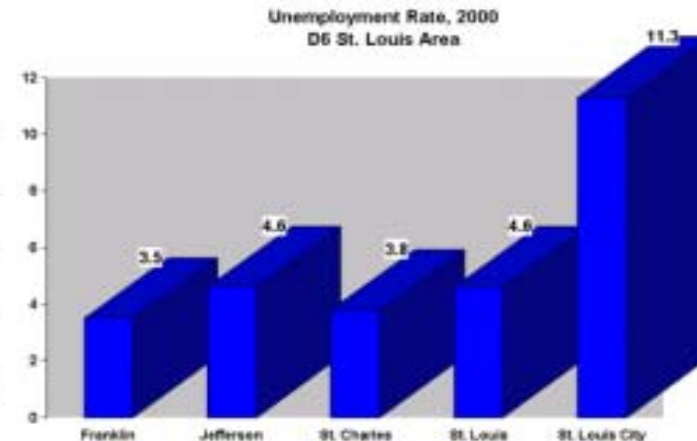
Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000)
Produced by: The Office of Social and Economic Data Analysis, UOE, [TDranzins, August 2002]



Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000)
Produced by: The Office of Social and Economic Data Analysis, UOE, [TDranzins, August 2002]



Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000)
Produced by: The Office of Social and Economic Data Analysis, UOE, [TDranzins, August 2002]



Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000)
Produced by: The Office of Social and Economic Data Analysis, UOE, [TDranzins, August 2002]

Employment Status Tables

Distribution of Employed Civilian Labor Force by Occupation, 2000
D6 St. Louis

Distribution of Employed Civilian Labor Force by Occupation, 2000							
Area Summarized		Employed					
County		Total Employment	Nonmanufacturing			Manufacturing	
FIPS Code			Management, Professional and Related	Service	Sales and Office	Construction	Production, Transportation and Material
St. Louis Area		542,899	35.5	14.3	-28.5	5.0	32.8
20071	Franklin County	48,027	33.9	14.4	-22.4	14.0	24.7
20039	Jefferson County	98,827	33.9	14.7	-28.9	14.0	19.9
20103	St. Charles County	152,836	34.6	12.6	-29.7	10.4	12.6
20189	St. Louis County	326,750	41.6	12.9	-29.4	6.4	16.9
20510	St. Louis City	142,959	39.7	22.1	-28.5	15.2	19.4

Source: 2000 Census of Economic Status, Bureau of Economic Analysis, Department of Commerce
 Prepared by Missouri Department of Economic Development, Division of Economic Development
 Missouri Department of Economic Development, Division of Economic Development
 Report generated on 02/24/2009 by shirley.watson, st. louis, mo

Population Age 16 Years and Over in the Civilian Labor Force, 1990-2000
D6 St. Louis Area

Civilian Labor Force for Persons 16 Years and Over									
Area Summarized		Civilian Labor Force		Change 1990-2000		Total Employed		Change 1990-2000	
County		2000	1990	Number	Percent	2000	1990	Number	Percent
St. Louis Area		1,000,812	957,894	42,918	4.5	946,800	901,266	44,536	4.9
20071	Franklin County	47,692	39,964	7,728	19.1	46,027	37,549	8,478	22.6
20039	Jefferson County	104,613	80,260	24,353	18.8	99,837	82,249	17,588	21.3
20103	St. Charles County	156,788	116,870	39,918	34.1	150,836	112,393	38,443	34.2
20189	St. Louis County	529,633	531,474	-1,841	-0.3	506,250	507,521	-1,271	-0.4
20510	St. Louis City	162,106	181,206	-19,100	-10.6	143,950	161,434	-17,484	-10.9

Source: 2000 Census of Population, 1990 and 2000 Summary Files 1
 Prepared by Missouri Department of Economic Development, Division of Economic Development
 Report generated on 02/24/2009 by shirley.watson, st. louis, mo

Missouri Persons Working in County of Residence, 1990-2000
D6 St. Louis

Persons Working in County of Residence							
County		Change 1990-2000		Percent of all Workers			
FIPS Code		2000	1990	2000	1990		
St. Louis Area		572,772	541,880	30,892	5.8	626.8	591.0
20071	Franklin County	27,461	22,960	4,501	20.1	69.9	59.9
20039	Jefferson County	34,339	26,940	7,399	27.9	39.0	30.3
20103	St. Charles County	85,086	49,790	35,296	41.8	47.0	44.8
20189	St. Louis County	356,742	338,310	18,432	5.1	720.0	673.8
20510	St. Louis City	62,480	104,180	-41,700	-39.8	59.0	66.7

Source: 2000 Census of Economic Status, Bureau of Economic Analysis, Department of Commerce
 Prepared by Missouri Department of Economic Development, Division of Economic Development
 Missouri Department of Economic Development, Division of Economic Development
 Report generated on 02/24/2009 by shirley.watson, st. louis, mo

Population Age 16 Years and Over in the Armed Forces, 1990-2000
D6 St. Louis

Area Summarized		Population Age 16 Years and Over in the Armed Forces		Male Armed Forces		Female Armed Forces	
County		Change 1990-2000		Change 1990-2000		Change 1990-2000	
FIPS Code		2000	1990	Number	%	Number	%
St. Louis Area		1,066	2,131	-1,065	83%	1,006	-77%
20071	Franklin County	26	27	-1	-3.7	0	0
20039	Jefferson County	112	173	-61	-52	156	-43
20103	St. Charles County	204	348	-144	-42	203	-142
20189	St. Louis County	722	1,201	-479	-40	526	-42
20510	St. Louis City	122	281	-159	-53	217	-116

Source: 1990 and 2000 Decennial Census, Summary File 1
 Prepared by Missouri Department of Economic Development, Division of Economic Development
 Report generated on 02/24/2009 by shirley.watson, st. louis, mo

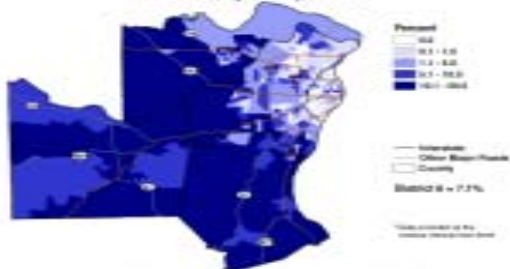
Missouri Unemployed Persons, 1990-2000
D6 St. Louis Area

Unemployed Persons Age 16 Years and Over							
County		Change 1990-2000		Percent of Civilian Labor Force			
FIPS Code		2000	1990	2000	1990		
St. Louis Area		50,072	58,429	-8,357	-14.3	5.9	6.1
20071	Franklin County	1,865	2,416	-551	-22.8	3.9	6.1
20039	Jefferson County	4,776	6,711	-1,935	-28.8	4.8	6.8
20103	St. Charles County	5,302	4,437	865	19.5	3.5	3.0
20189	St. Louis County	24,320	23,952	368	1.5	7.4	7.2
20510	St. Louis City	10,256	19,872	-9,616	-48.4	7.2	13.6

Source: 2000 Census of Economic Status, Bureau of Economic Analysis, Department of Commerce
 Prepared by Missouri Department of Economic Development, Division of Economic Development
 Missouri Department of Economic Development, Division of Economic Development
 Report generated on 02/24/2009 by shirley.watson, st. louis, mo

Housing Units Maps

MoDOT Planning District 5 Percent of Housing Units Less Than 5 Years Old, by County*, 2000



Source: 2000 Census of the Housing, Construction, Population and Household Characteristics
Planning District 5 (City of St. Louis) County Data System (CSD/CSA)
Map Information: 2/12/2002

MoDOT Planning District 5 Percent of Housing Units that are Seasonal, by County*, 2000



Source: 2000 Census of the Housing, Construction, Population and Household Characteristics
Planning District 5 (City of St. Louis) County Data System (CSD/CSA)
Map Information: 2/12/2002

MoDOT Planning District 5 Percent of Housing Units that are Mobile Homes, by County*, 2000



Source: 2000 Census of the Housing, Construction, Population and Household Characteristics
Planning District 5 (City of St. Louis) County Data System (CSD/CSA)
Map Information: 2/12/2002

MoDOT Planning District 5 Percent of Housing Units by the Number of Vehicles Available, by County*, 2000



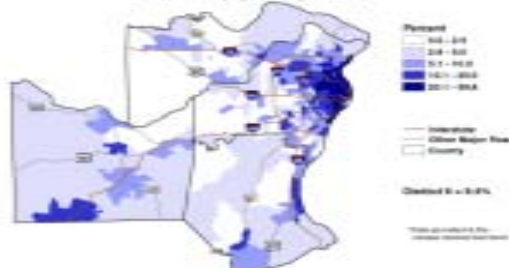
Source: 2000 Census of the Housing, Construction, Population and Household Characteristics
Planning District 5 (City of St. Louis) County Data System (CSD/CSA)
Map Information: 2/12/2002

MoDOT Planning District 5 Percent of Housing Units that are Boats or RVs, by County*, 2000



Source: 2000 Census of the Housing, Construction, Population and Household Characteristics
Planning District 5 (City of St. Louis) County Data System (CSD/CSA)
Map Information: 2/12/2002

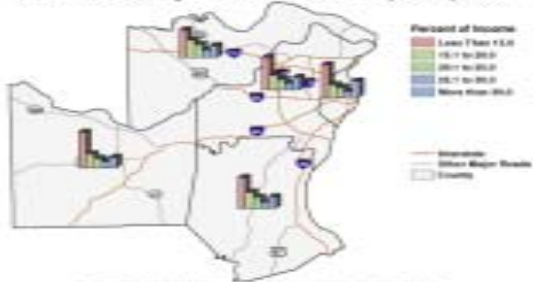
MoDOT Planning District 5 Percent of Housing Units with No Vehicles Available, by County*, 2000



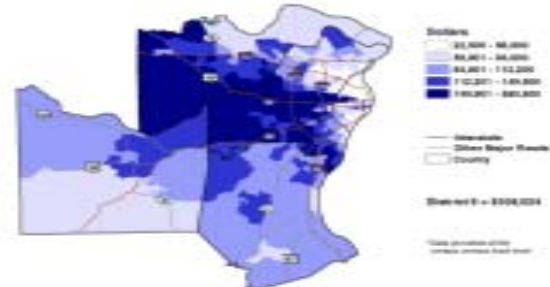
Source: 2000 Census of the Housing, Construction, Population and Household Characteristics
Planning District 5 (City of St. Louis) County Data System (CSD/CSA)
Map Information: 2/12/2002

Housing Units Maps

McDOT Planning District 6 Percent of Housing Units by Monthly Owner Costs as a Percentage of Household Income, by County, 2000



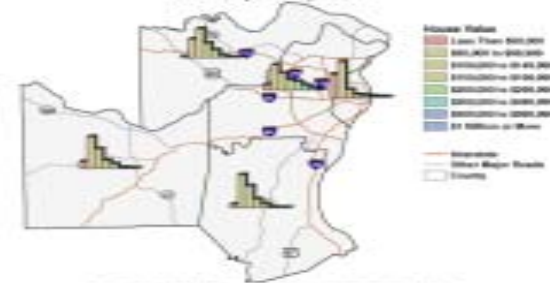
McDOT Planning District 6 Median House Value, by County*, 2000



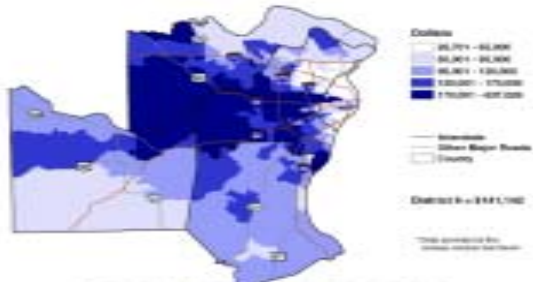
McDOT Planning District 6 Percent of Housing Units by Gross Rent as a Percentage of Household Income, by County, 2000



McDOT Planning District 6 Percent of Housing Units by House Value, by County, 2000



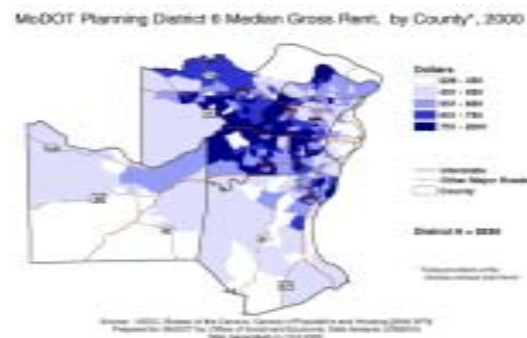
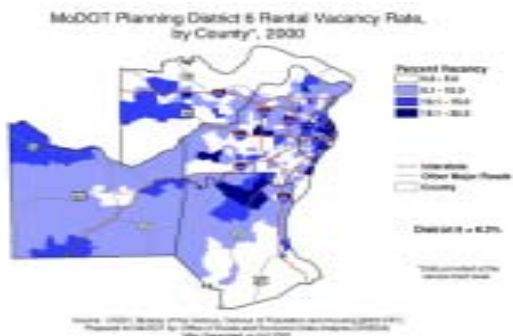
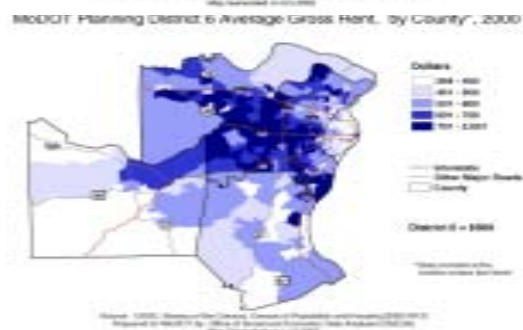
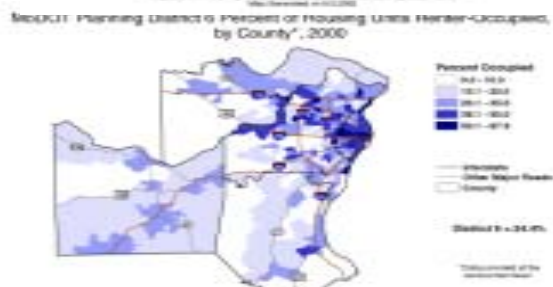
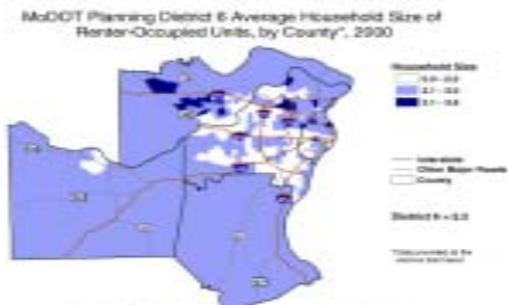
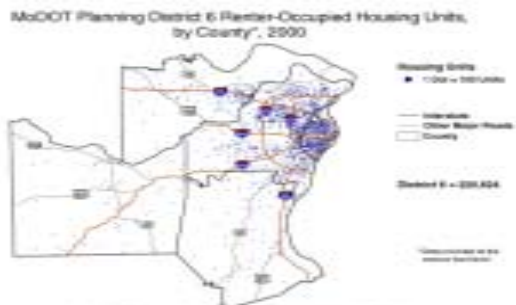
McDOT Planning District 6 Average House Value, by County*, 2000



McDOT Planning District 6 Average Housing Unit Age, by County*, 2000



Housing Units Maps



Housing Units Maps

MoDOT Planning District 6 Average Household Size of Owner-Occupied Units, by County, 2000



Source: 2000 Census of the United States of Population and Housing (S2001-01)
Prepared by MoDOT for Office of Transportation and Economic Data Analysis (OTEDA)
Map Information as of 2/2/2002

MoDOT Planning District 6 Percent of Total Housing Units Vacant, by County, 2000



Source: 2000 Census of the United States of Population and Housing (S2001-01)
Prepared by MoDOT for Office of Transportation and Economic Data Analysis (OTEDA)
Map Information as of 2/2/2002

MoDOT Planning District 6 Percent of Housing Units Owner-Occupied, by County, 2000



Source: 2000 Census of the United States of Population and Housing (S2001-01)
Prepared by MoDOT for Office of Transportation and Economic Data Analysis (OTEDA)
Map Information as of 2/2/2002

MoDOT Planning District 6 Percent of Total Housing Units Occupied, by County, 2000



Source: 2000 Census of the United States of Population and Housing (S2001-01)
Prepared by MoDOT for Office of Transportation and Economic Data Analysis (OTEDA)
Map Information as of 2/2/2002

MoDOT Planning District 6 Owner-Occupied Housing Units, by County, 2000



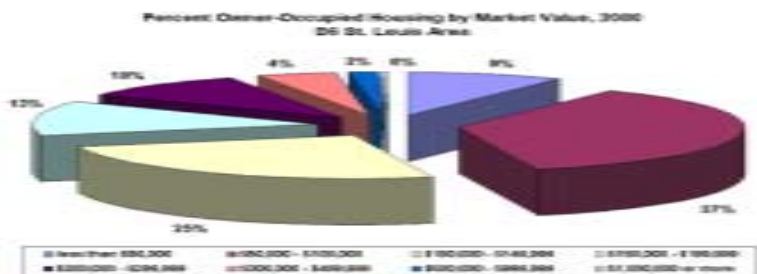
Source: 2000 Census of the United States of Population and Housing (S2001-01)
Prepared by MoDOT for Office of Transportation and Economic Data Analysis (OTEDA)
Map Information as of 2/2/2002

MoDOT Planning District 6 Total Vacant Housing Units, by County, 2000

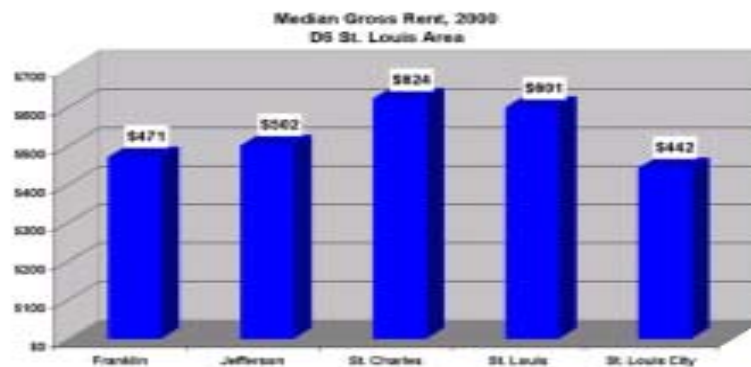


Source: 2000 Census of the United States of Population and Housing (S2001-01)
Prepared by MoDOT for Office of Transportation and Economic Data Analysis (OTEDA)
Map Information as of 2/2/2002

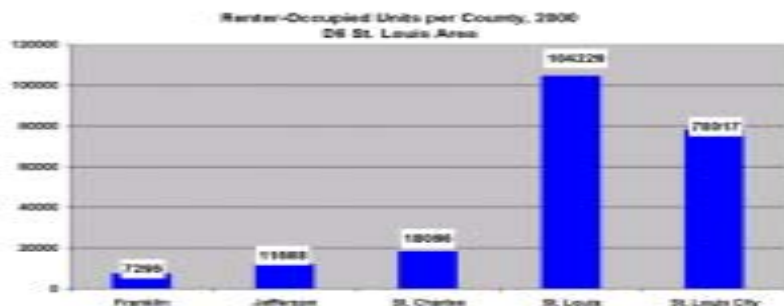
Housing Units Charts



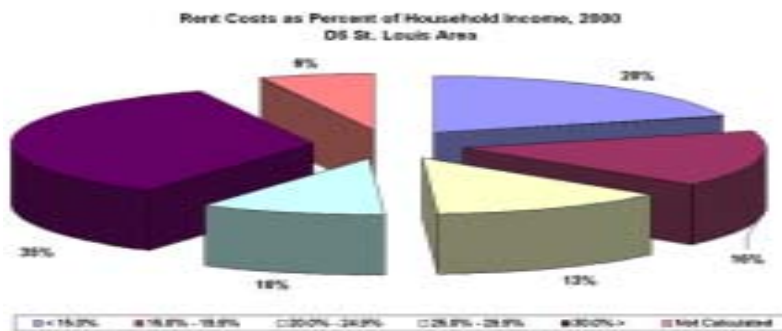
Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000)
Produced by The Office of Social and Economic Data Analysis, UOE, (7/20/01, August 2002)



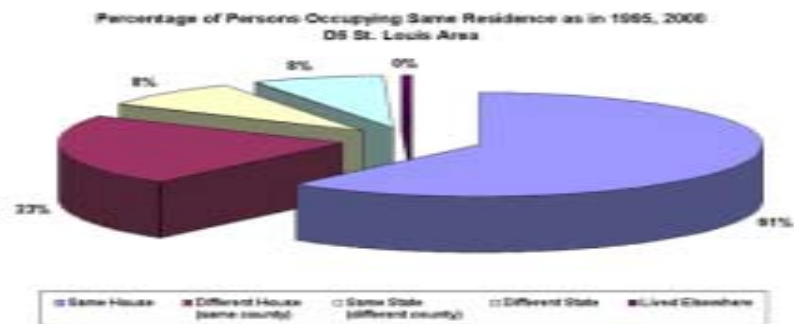
Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000)
Produced by The Office of Social and Economic Data Analysis, UOE, (7/20/01, August 2002)



Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000)
Produced by The Office of Social and Economic Data Analysis, UOE, (7/20/01, August 2002)

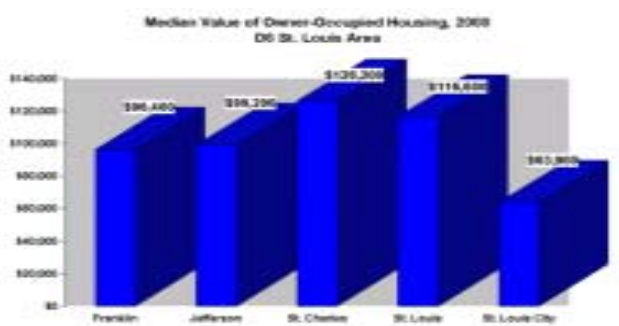
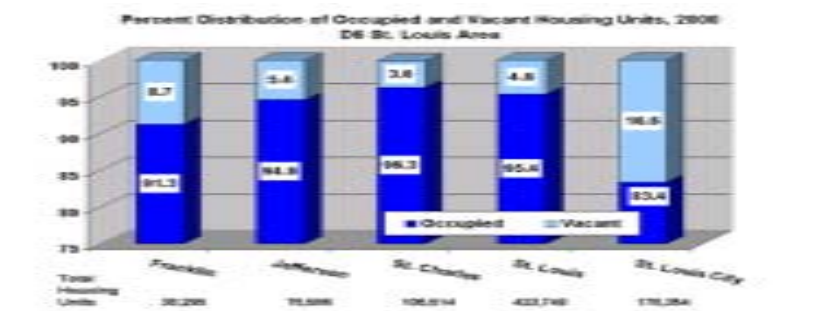
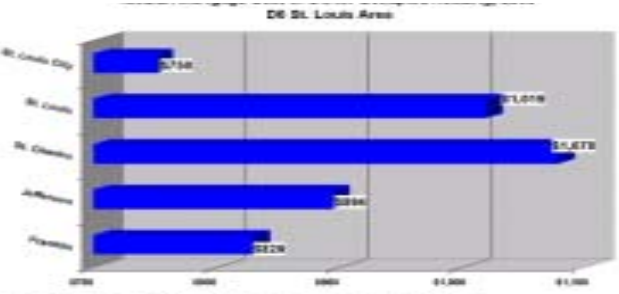
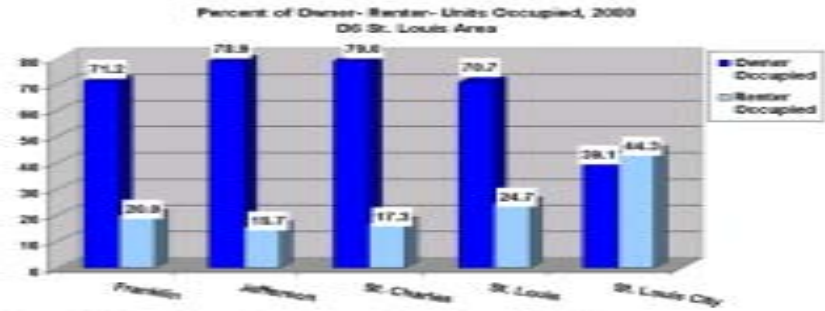
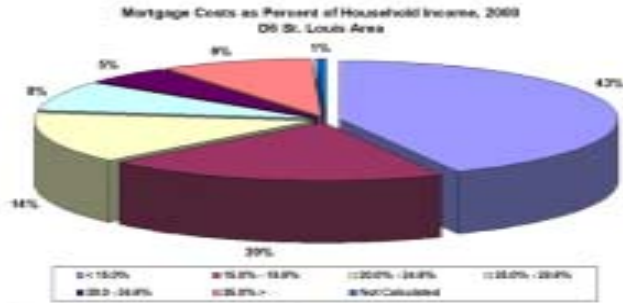


Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000)
Produced by The Office of Social and Economic Data Analysis, UOE, (7/20/01, August 2002)



Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000)
Produced by The Office of Social and Economic Data Analysis, UOE, (7/20/01, August 2002)

Housing Units Charts



Housing Units Tables

Total Housing Units in Missouri, 1990-2000
DE St. Louis

Year	Total Housing Units	Change, 1990-2000		Percent
		1990	2000	
1990	2,770,000	2,770,000	0	0.0
2000	2,820,000	2,820,000	50,000	1.8
2000	2,820,000	2,820,000	50,000	1.8
2000	2,820,000	2,820,000	50,000	1.8
2000	2,820,000	2,820,000	50,000	1.8
2000	2,820,000	2,820,000	50,000	1.8

Missouri Average Rent and Monthly Cost as a Percentage of Household Income, 2000
DE St. Louis Area

Year	Area	Average Rent	Monthly Cost	Percentage of Household Income	
				2000	2000
2000	St. Louis	\$450	\$540	10.0	12.0
2000	St. Louis	\$450	\$540	10.0	12.0
2000	St. Louis	\$450	\$540	10.0	12.0
2000	St. Louis	\$450	\$540	10.0	12.0
2000	St. Louis	\$450	\$540	10.0	12.0

Missouri Average Housing Value and Monthly Cost as a Percentage of Household Income, 2000
DE St. Louis Area

Year	Area	Average Housing Value	Monthly Cost	Percentage of Household Income	
				2000	2000
2000	St. Louis	\$110,000	\$540	0.5	0.5
2000	St. Louis	\$110,000	\$540	0.5	0.5
2000	St. Louis	\$110,000	\$540	0.5	0.5
2000	St. Louis	\$110,000	\$540	0.5	0.5
2000	St. Louis	\$110,000	\$540	0.5	0.5

Missouri Housing Unit Vacancy Rates, 1990-2000
DE St. Louis

Year	Area	Vacancy Rate	
		1990	2000
1990	St. Louis	5.0	5.0
2000	St. Louis	5.0	5.0
2000	St. Louis	5.0	5.0
2000	St. Louis	5.0	5.0
2000	St. Louis	5.0	5.0

Renter-Occupied Housing Units in Missouri, 1990-2000
DE St. Louis Area

Year	Area	Renter-Occupied Housing Units		Percent of Total Housing Units
		1990	2000	
1990	St. Louis	1,500,000	1,500,000	54.2
2000	St. Louis	1,500,000	1,500,000	54.2
2000	St. Louis	1,500,000	1,500,000	54.2
2000	St. Louis	1,500,000	1,500,000	54.2
2000	St. Louis	1,500,000	1,500,000	54.2

Owner-Occupied Housing Units in Missouri, 1990-2000
DE St. Louis Area

Year	Area	Owner-Occupied Housing Units		Percent of Total Housing Units
		1990	2000	
1990	St. Louis	1,270,000	1,270,000	45.8
2000	St. Louis	1,270,000	1,270,000	45.8
2000	St. Louis	1,270,000	1,270,000	45.8
2000	St. Louis	1,270,000	1,270,000	45.8
2000	St. Louis	1,270,000	1,270,000	45.8

Total Vacant Housing Units in Missouri, 1990-2000
DE St. Louis

Year	Area	Total Vacant Housing Units		Percent of Total Housing Units
		1990	2000	
1990	St. Louis	1,270,000	1,270,000	45.8
2000	St. Louis	1,270,000	1,270,000	45.8
2000	St. Louis	1,270,000	1,270,000	45.8
2000	St. Louis	1,270,000	1,270,000	45.8
2000	St. Louis	1,270,000	1,270,000	45.8

Total Occupied Housing Units in Missouri, 1990-2000
DE St. Louis

Year	Area	Total Occupied Housing Units		Percent of Total Housing Units
		1990	2000	
1990	St. Louis	1,500,000	1,500,000	54.2
2000	St. Louis	1,500,000	1,500,000	54.2
2000	St. Louis	1,500,000	1,500,000	54.2
2000	St. Louis	1,500,000	1,500,000	54.2
2000	St. Louis	1,500,000	1,500,000	54.2

Housing Units Tables

Motor Boat and RV Housing Units, 1999-2000
DE St. Louis

Year	County	Number of Units		Percentage of Total Housing Units	
		2000	1999	2000	1999
2000	St. Louis	382	1,893	0.2%	0.1%
2000	Franklin County	100	280	0.4%	0.2%
2000	Jefferson County	50	370	0.2%	0.1%
2000	St. Charles County	17	100	0.0%	0.0%
2000	St. Louis County	20	2,480	0.0%	0.1%
2000	St. Louis City	20	2,070	0.0%	0.1%

Median Value and Rent of Occupied Housing Units, 1999-2000
DE St. Louis

Year	County	Median Value of Units		Median Rent of Units	
		2000	1999	2000	1999
2000	St. Louis	\$108,500	\$95,000	\$1,000	\$950
2000	Franklin County	\$98,000	\$75,000	\$800	\$750
2000	Jefferson County	\$98,200	\$95,000	\$800	\$800
2000	St. Charles County	\$108,200	\$100,000	\$1,000	\$950
2000	St. Louis County	\$108,500	\$107,500	\$1,000	\$950
2000	St. Louis City	\$108,500	\$95,000	\$1,000	\$950

Missouri Housing Units that are Mobile Homes, 2000-2000
DE St. Louis Area

Year	County	Number of Units		Percentage of Total Housing Units	
		2000	1999	2000	1999
2000	St. Louis County	20,000	20,000	0.0%	0.0%
2000	Franklin County	9,000	9,000	0.0%	0.0%
2000	Jefferson County	12,700	12,700	0.0%	0.0%
2000	St. Charles County	5,400	5,400	0.0%	0.0%
2000	St. Louis County	1,100	1,100	0.0%	0.0%
2000	St. Louis City	100	100	0.0%	0.0%

Recent Housing Units Built 5 Years Prior to the Census and Average Age of All Units, 2000
DE St. Louis Area

Year	County	Number of Units		Average Age
		2000	1995-1999	
2000	St. Louis County	10,000	10,000	30
2000	Franklin County	4,000	4,000	30
2000	Jefferson County	10,000	10,000	30
2000	St. Charles County	2,000	2,000	30
2000	St. Louis County	10,000	10,000	30
2000	St. Louis City	1,000	1,000	30

Vacant Seasonal and Recreational Use Housing Units in Missouri, 2000
DE St. Louis Area

Year	County	Number of Units		Percentage of Total Housing Units
		2000	1999	
2000	St. Louis County	1,000	1,000	0.0%
2000	Franklin County	1,000	1,000	0.0%
2000	Jefferson County	1,000	1,000	0.0%
2000	St. Charles County	1,000	1,000	0.0%
2000	St. Louis County	1,000	1,000	0.0%
2000	St. Louis City	1,000	1,000	0.0%

Housing Unit Structures Built During the Decade, 1990-2000
DE St. Louis

Year	County	Number of Units		Percentage of Total Housing Units	
		2000	1990-1999	2000	1990-1999
2000	St. Louis	10,000	10,000	0.0%	0.0%
2000	Franklin County	10,000	10,000	0.0%	0.0%
2000	Jefferson County	10,000	10,000	0.0%	0.0%
2000	St. Charles County	10,000	10,000	0.0%	0.0%
2000	St. Louis County	10,000	10,000	0.0%	0.0%
2000	St. Louis City	10,000	10,000	0.0%	0.0%

Occupied Housing Units by Number of Vehicles Available, 2000
DE St. Louis Area

Year	County	Number of Units		Percentage of Total Housing Units	
		2000	1999	2000	1999
2000	St. Louis County	100,000	100,000	0.0%	0.0%
2000	Franklin County	100,000	100,000	0.0%	0.0%
2000	Jefferson County	100,000	100,000	0.0%	0.0%
2000	St. Charles County	100,000	100,000	0.0%	0.0%
2000	St. Louis County	100,000	100,000	0.0%	0.0%
2000	St. Louis City	100,000	100,000	0.0%	0.0%

Housing Unit Structures Built Before 1940, 1990-2000
DE St. Louis

Year	County	Number of Units		Percentage of Total Housing Units	
		2000	1990-1999	2000	1990-1999
2000	St. Louis	100,000	100,000	0.0%	0.0%
2000	Franklin County	100,000	100,000	0.0%	0.0%
2000	Jefferson County	100,000	100,000	0.0%	0.0%
2000	St. Charles County	100,000	100,000	0.0%	0.0%
2000	St. Louis County	100,000	100,000	0.0%	0.0%
2000	St. Louis City	100,000	100,000	0.0%	0.0%

Household Maps

McDOT Planning District 6 Total Household Population, by County*, 2000



Source: 2000 Census of the United States, Census of Population and Housing (2000 PH1)
 Prepared by McDOT for Office of Research and Economic Data Analysis (2002)
 Map Date: 04/11/2002

McDOT Planning District 6 Average Family Size, by County*, 2000



Source: 2000 Census of the United States, Census of Population and Housing (2000 PH1)
 Prepared by McDOT for Office of Research and Economic Data Analysis (2002)
 Map Date: 04/11/2002

McDOT Planning District 6 Average Household Size, by County*, 2000



Source: 2000 Census of the United States, Census of Population and Housing (2000 PH1)
 Prepared by McDOT for Office of Research and Economic Data Analysis (2002)
 Map Date: 04/11/2002

McDOT Planning District 6 Total Group Quarters Population, by County*, 2000



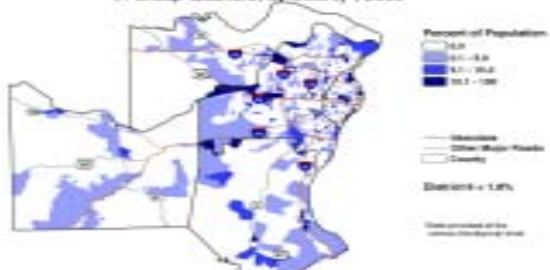
Source: 2000 Census of the United States, Census of Population and Housing (2000 PH2)
 Prepared by McDOT for Office of Research and Economic Data Analysis (2002)
 Map Date: 04/11/2002

McDOT Planning District 6 Noninstitutional Group Quarters Population, by County*, 2000



Source: 2000 Census of the United States, Census of Population and Housing (2000 PH2)
 Prepared by McDOT for Office of Research and Economic Data Analysis (2002)
 Map Date: 04/11/2002

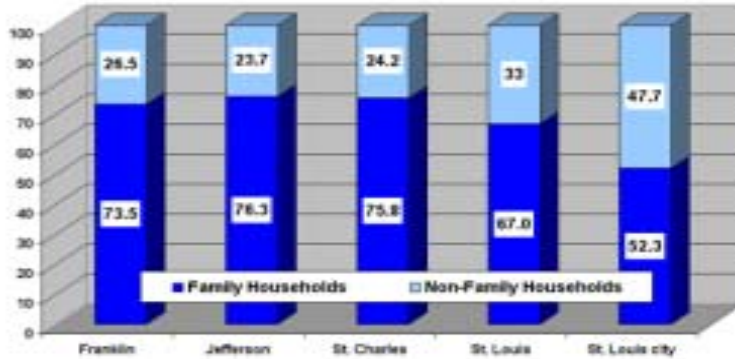
In Group Quarters, by County*, 2000



Source: 2000 Census of the United States, Census of Population and Housing (2000 PH2)
 Prepared by McDOT for Office of Research and Economic Data Analysis (2002)
 Map Date: 04/11/2002

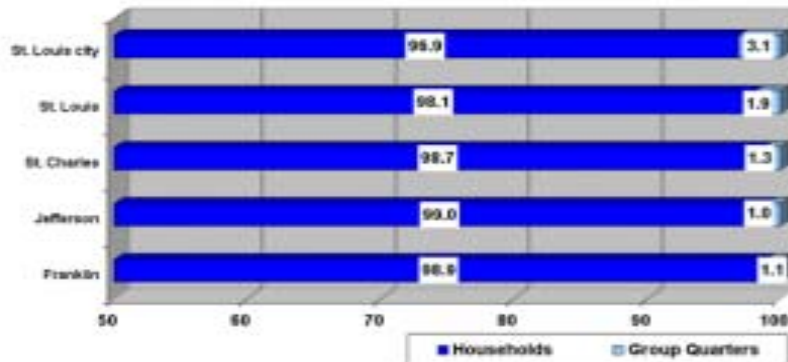
Household Charts

Family Households as a Percent of Total Households, 2000
D6 St. Louis Area



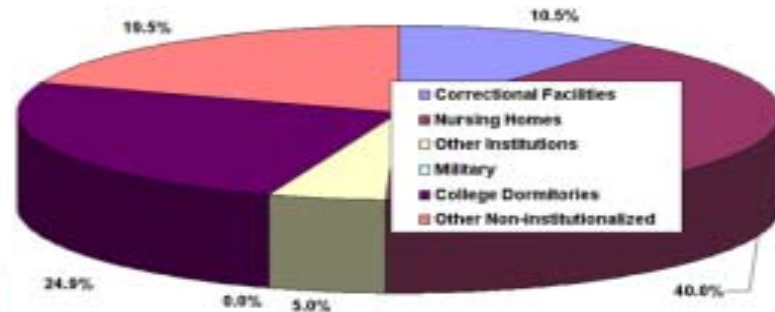
Source: USDC, Bureau of Census, Census of Population and Housing, Summary File 1 (2000)
Produced by: The Office of Social and Economic Data Analysis, UOE [TDranginis, May 2002]

Percent of Population in Households and Group Quarters, 2000
D6 St. Louis Area



Source: USDC, Bureau of Census, Census of Population and Housing, Summary File 1 (2000)
Produced by: The Office of Social and Economic Data Analysis, UOE [TDranginis, May 2002]

Percent Distribution of Group Quarters Residents, 2000
D6 St. Louis Area



Source: USDC, Bureau of Census, Census of Population and Housing, Summary File 1 (2000)
Produced by: The Office of Social and Economic Data Analysis, UOE [TDranginis, May 2002]

Household Tables

Total Family Households in Missouri, 1990-2000
36 St. Louis

Year	County	Total Family Households				Change, 1990-2000		Percent of Total	
		1990	2000	Number	Percent	1990	2000	1990	2000
1990	St. Louis	22,517	20,528	-1,989	-8.8	80.1	8.1	80.1	80.1
2000	Jefferson	22,889	22,288	-6,011	-26.3	79.9	7.7	79.9	79.9
2000	Madison	24,228	27,279	3,051	12.6	84.2	8.0	84.2	84.2
2000	St. Charles	17,154	17,214	60	0.3	59.9	0.3	59.9	59.9
2000	St. Louis	173,891	173,227	-664	-0.4	67.9	0.3	67.9	67.9
2000	St. Louis	19,275	18,988	-287	-1.5	68.2	0.3	68.2	68.2

Residence of Population Living in Different Types of Housing, 1990-2000
36 St. Louis

Year	County	Total Population				Change, 1990-2000		Percent of Total	
		1990	2000	Number	Percent	1990	2000	1990	2000
1990	St. Louis	1,000,000	950,000	-50,000	-5.0	80.1	8.1	80.1	80.1
2000	Jefferson	1,000,000	950,000	-50,000	-5.0	79.9	7.7	79.9	79.9
2000	Madison	1,000,000	950,000	-50,000	-5.0	84.2	8.0	84.2	84.2
2000	St. Charles	1,000,000	950,000	-50,000	-5.0	59.9	0.3	59.9	59.9
2000	St. Louis	1,000,000	950,000	-50,000	-5.0	67.9	0.3	67.9	67.9
2000	St. Louis	1,000,000	950,000	-50,000	-5.0	68.2	0.3	68.2	68.2

Residence of Population Age 65 and Over Living in Different Types of Housing, 1990-2000
36 St. Louis

Year	County	Total Population Age 65 and Over				Change, 1990-2000		Percent of Total	
		1990	2000	Number	Percent	1990	2000	1990	2000
1990	St. Louis	100,000	95,000	-5,000	-5.0	80.1	8.1	80.1	80.1
2000	Jefferson	100,000	95,000	-5,000	-5.0	79.9	7.7	79.9	79.9
2000	Madison	100,000	95,000	-5,000	-5.0	84.2	8.0	84.2	84.2
2000	St. Charles	100,000	95,000	-5,000	-5.0	59.9	0.3	59.9	59.9
2000	St. Louis	100,000	95,000	-5,000	-5.0	67.9	0.3	67.9	67.9
2000	St. Louis	100,000	95,000	-5,000	-5.0	68.2	0.3	68.2	68.2

Residence of Population Age 65 and Over Living in Different Types of Housing, 1990-2000
36 St. Louis

Year	County	Total Population Age 65 and Over				Change, 1990-2000		Percent of Total	
		1990	2000	Number	Percent	1990	2000	1990	2000
1990	St. Louis	100,000	95,000	-5,000	-5.0	80.1	8.1	80.1	80.1
2000	Jefferson	100,000	95,000	-5,000	-5.0	79.9	7.7	79.9	79.9
2000	Madison	100,000	95,000	-5,000	-5.0	84.2	8.0	84.2	84.2
2000	St. Charles	100,000	95,000	-5,000	-5.0	59.9	0.3	59.9	59.9
2000	St. Louis	100,000	95,000	-5,000	-5.0	67.9	0.3	67.9	67.9
2000	St. Louis	100,000	95,000	-5,000	-5.0	68.2	0.3	68.2	68.2

Total Households in Missouri, 1990-2000
36 St. Louis

Year	County	Total Households				Change, 1990-2000		Percent of Total	
		1990	2000	Number	Percent	1990	2000	1990	2000
1990	St. Louis	10,000	9,500	-500	-5.0	80.1	8.1	80.1	80.1
2000	Jefferson	10,000	9,500	-500	-5.0	79.9	7.7	79.9	79.9
2000	Madison	10,000	9,500	-500	-5.0	84.2	8.0	84.2	84.2
2000	St. Charles	10,000	9,500	-500	-5.0	59.9	0.3	59.9	59.9
2000	St. Louis	10,000	9,500	-500	-5.0	67.9	0.3	67.9	67.9
2000	St. Louis	10,000	9,500	-500	-5.0	68.2	0.3	68.2	68.2

Residentialized Population in Group Quarters, 1990-2000
36 St. Louis Area

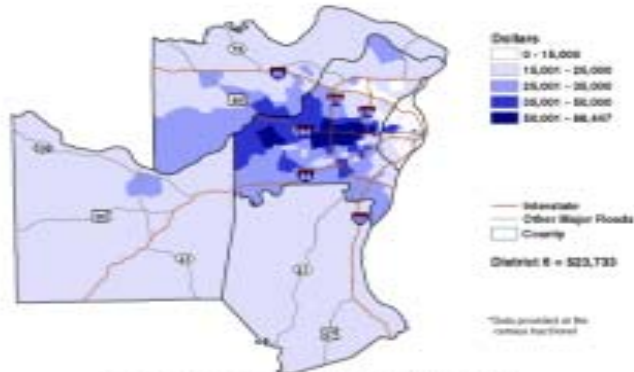
Year	County	Residentialized Population				Change, 1990-2000		Percent of Total Population	
		1990	2000	Number	Percent	1990	2000	1990	2000
1990	St. Louis	10,000	9,500	-500	-5.0	80.1	8.1	80.1	80.1
2000	Jefferson	10,000	9,500	-500	-5.0	79.9	7.7	79.9	79.9
2000	Madison	10,000	9,500	-500	-5.0	84.2	8.0	84.2	84.2
2000	St. Charles	10,000	9,500	-500	-5.0	59.9	0.3	59.9	59.9
2000	St. Louis	10,000	9,500	-500	-5.0	67.9	0.3	67.9	67.9
2000	St. Louis	10,000	9,500	-500	-5.0	68.2	0.3	68.2	68.2

Institutionalized Population in Group Quarters, 1990-2000
36 St. Louis

Year	County	Institutionalized Population				Change, 1990-2000		Percent of Total Population	
		1990	2000	Number	Percent	1990	2000	1990	2000
1990	St. Louis	10,000	9,500	-500	-5.0	80.1	8.1	80.1	80.1
2000	Jefferson	10,000	9,500	-500	-5.0	79.9	7.7	79.9	79.9
2000	Madison	10,000	9,500	-500	-5.0	84.2	8.0	84.2	84.2
2000	St. Charles	10,000	9,500	-500	-5.0	59.9	0.3	59.9	59.9
2000	St. Louis	10,000	9,500	-500	-5.0	67.9	0.3	67.9	67.9
2000	St. Louis	10,000	9,500	-500	-5.0	68.2	0.3	68.2	68.2

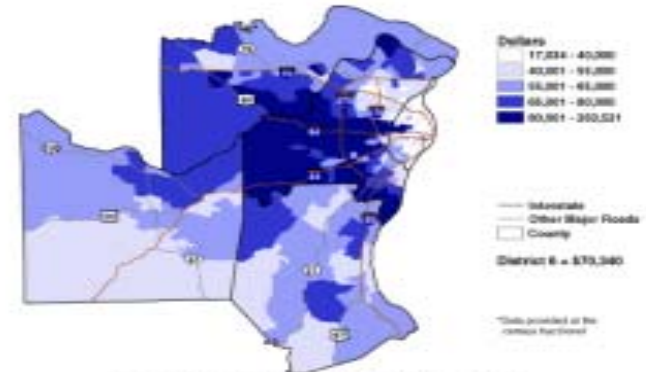
Income Maps

MoDOT Planning District 6 Per Capita Income, by County*, 2000



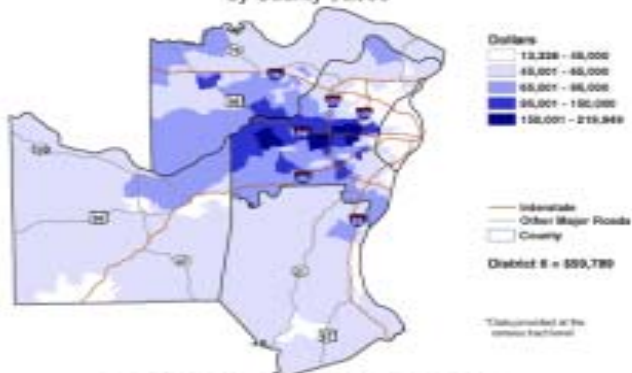
Source: USDC, Bureau of the Census, Census of Population and Housing (2000 PH1)
Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA)
Map Generation on: 1/15/2002

MoDOT Planning District 6 Average Family Income, by County*, 2000



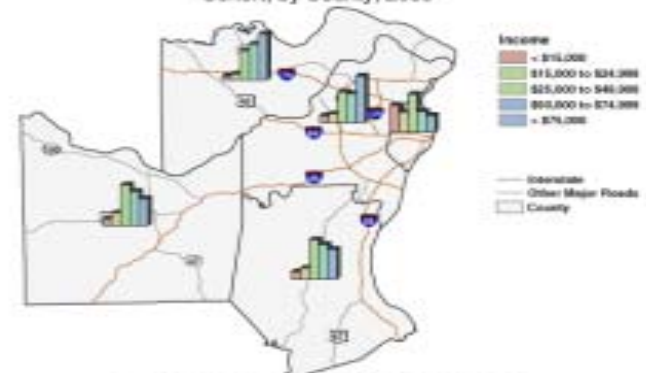
Source: USDC, Bureau of the Census, Census of Population and Housing (2000 PH1)
Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA)
Map Generation on: 1/15/2002

MoDOT Planning District 6 Average Household Income, by County*, 2000



Source: USDC, Bureau of the Census, Census of Population and Housing (2000 PH1)
Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA)
Map Generation on: 1/15/2002

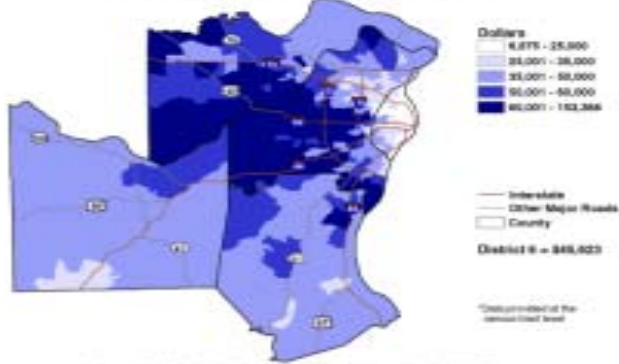
MoDOT Planning District 6 Percent of Families by Income Cohort, by County, 2000



Source: USDC, Bureau of the Census, Census of Population and Housing (2000 PH1)
Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA)
Map Generation on: 1/15/2002

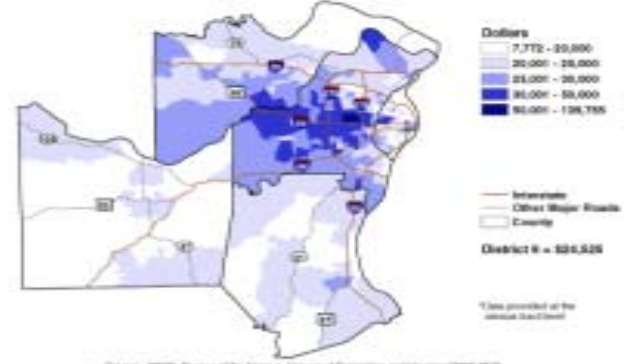
Income Maps

MoDOT Planning District 6
Median Household Income, by County*, 2000



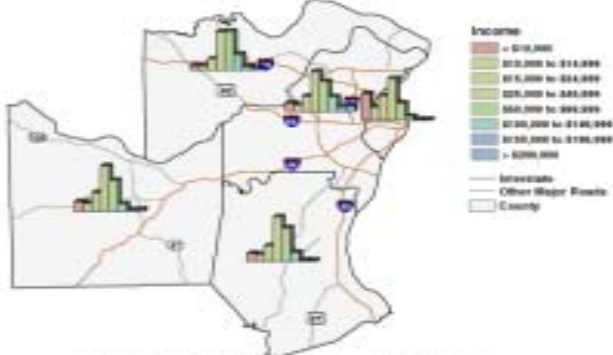
Source: BUREAU OF THE CENSUS, Census of Population and Housing (2000 SF3)
Prepared for MoDOT by Office of Social and Economic Data Analysis (OSEDA)
Map Date/Version: 1/15/2003

MoDOT Planning District 6 Average Female Earnings, by County*, 2000



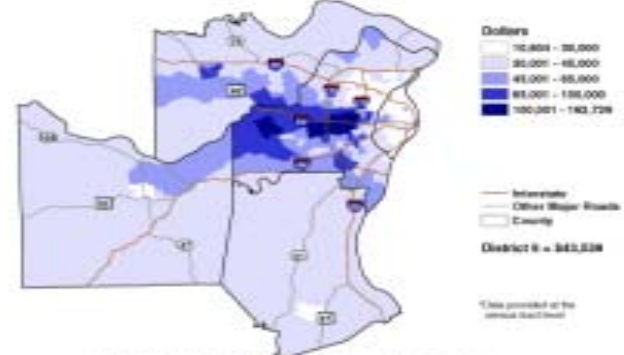
Source: BUREAU OF THE CENSUS, Census of Population and Housing (2000 SF3)
Prepared for MoDOT by Office of Social and Economic Data Analysis (OSEDA)
Map Date/Version: 1/15/2003

MoDOT Planning District 6 Percent of Households by Income
Cohort, by County, 2000



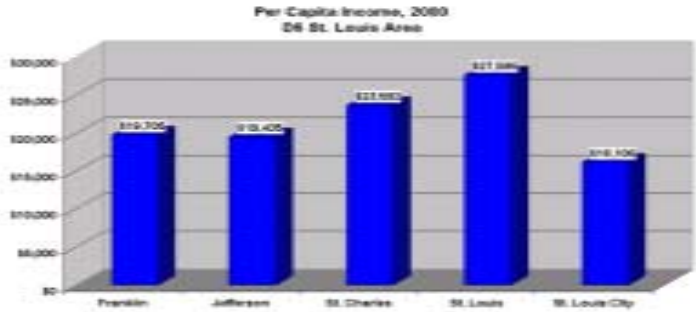
Source: BUREAU OF THE CENSUS, Census of Population and Housing (2000 SF3)
Prepared for MoDOT by Office of Social and Economic Data Analysis (OSEDA)
Map Date/Version: 1/15/2003

MoDOT Planning District 6 Average Male Earnings, by County*, 2000

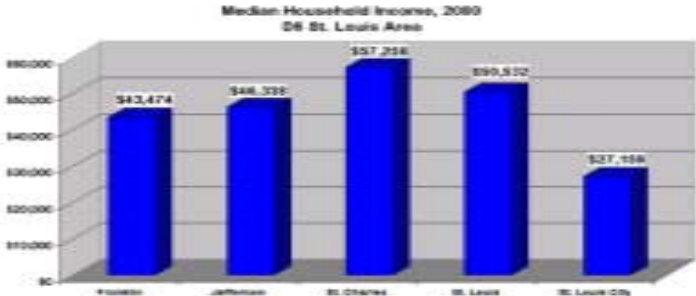


Source: BUREAU OF THE CENSUS, Census of Population and Housing (2000 SF3)
Prepared for MoDOT by Office of Social and Economic Data Analysis (OSEDA)
Map Date/Version: 1/15/2003

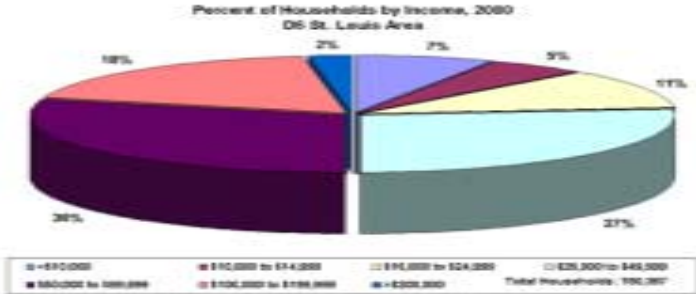
Income Charts



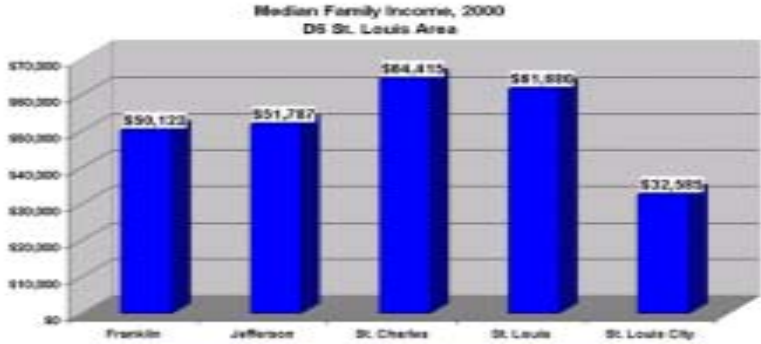
Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000).
 Produced by The Office of Social and Economic Data Analysis, UOE, (Changris, August 2002)



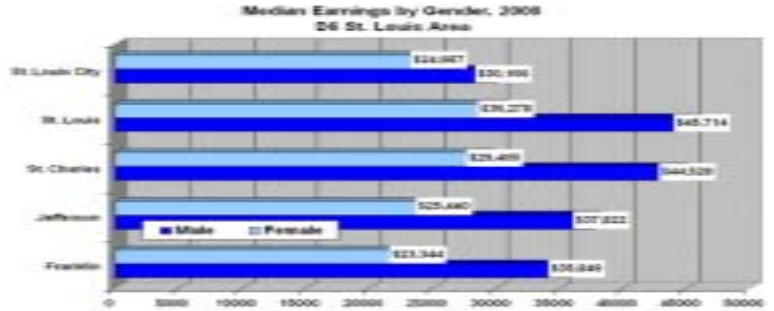
Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000).
 Produced by The Office of Social and Economic Data Analysis, UOE, (Changris, August 2002)



Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000).
 Produced by The Office of Social and Economic Data Analysis, UOE, (Changris, August 2002)



Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000).
 Produced by The Office of Social and Economic Data Analysis, UOE, (Changris, August 2002)



Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000).
 Produced by The Office of Social and Economic Data Analysis, UOE, (Changris, August 2002)

Income Tables

Median Household and Family Income, 1989-1999
D6 St. Louis

State (unincorporated County)	Median Household Income (1999 \$)				Median Family Income (1999 \$)			
	1989		1999		1989		1999	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
MO, Total	845,194	942,224	82,061	810,590	851,841	94,189	810,590	851,841
20071 Franklin	821,074	827,040	94,153	868,120	842,607	87,640	868,120	842,607
20026 Jefferson	846,208	842,915	84,223	851,707	846,207	82,380	851,707	846,207
20003 St. Charles	807,289	802,087	84,071	819,449	808,222	85,781	819,449	808,222
20009 St. Louis City	800,023	807,740	8198	816,868	809,980	82,940	816,868	809,980
20010 St. Louis MO	827,430	828,385	8,770	823,028	824,889	8998	823,028	824,889

Missouri Miscellaneous Income Measures, 2000
D6 St. Louis

State (unincorporated County)	Miscellaneous Income Measures, 2000				
	Family Income Percent of 1999		Average Earnings by Gender		Per Capita Income
	Number	Percent	Male	Female	1999
MO, Total	90,711	4.4	\$40,000	\$34,576	\$21,724
20071 Franklin County	1,868	3.3	\$37,488	\$31,080	\$19,726
20026 Jefferson County	2,254	3.8	\$39,024	\$31,488	\$19,428
20003 St. Charles County	2,174	2.1	\$40,736	\$34,380	\$23,880
20009 St. Louis County	10,811	3.4	\$39,008	\$36,637	\$27,208
20010 St. Louis City	9,709	11.8	\$22,038	\$24,289	\$19,138

Missouri Family Income Distribution, 2000
D6 St. Louis Area

State (unincorporated County)	Number of Families	Number of Families and Family Income by Category					Percentage of Families
		Distribution of Family Income					
		Under \$10,000	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$49,999	\$50,000 or more	
MO, Total	288,272	79	88	271	243	323	87,046
20071 Franklin County	28,027	98	104	309	281	321	88,008
20026 Jefferson County	34,089	60	68	214	184	243	88,178
20003 St. Charles County	17,402	73	80	243	201	278	62,102
20009 St. Louis County	172,818	69	72	251	221	284	89,289
20010 St. Louis City	17,784	22	21	51	48	57	64,560

Missouri Household Income Distribution, 2000
D6 St. Louis Area

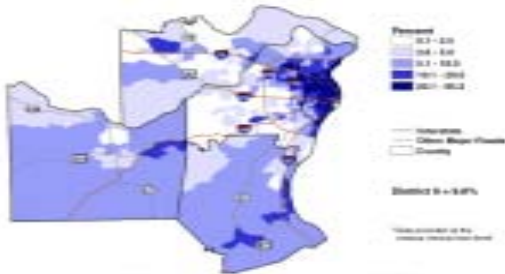
State (unincorporated County)	Total Households	Household Income Distribution by Household Income									Percentage of Households
		Distribution of Household Income									
		Under \$10,000	\$10,000 to \$14,999	\$15,000 to \$24,999	\$25,000 to \$49,999	\$50,000 to \$74,999	\$75,000 to \$99,999	\$100,000 to \$149,999	\$150,000 to \$249,999	\$250,000 or more	
MO, Total	780,387	88	94	318	283	88	110	110	110	110	89,788
20071 Franklin County	28,027	87	93	304	271	84	108	108	108	108	82,008
20026 Jefferson County	34,089	67	73	218	181	64	78	78	78	78	80,108
20003 St. Charles County	17,402	61	61	214	179	61	73	73	73	73	64,108
20009 St. Louis County	169,887	67	68	251	214	284	110	110	110	110	89,408
20010 St. Louis City	147,288	103	94	318	300	110	110	110	110	110	87,282

Median Family Income and Selected Family Income Categories, 1989-1999
D6 St. Louis

State (unincorporated County)	Number of Families	Family Income by Selected Income Category							
		1989				1999			
		Number of Families	Median Family Income	Under \$10,000	\$10,000 to \$14,999	Number of Families	Median Family Income	Under \$10,000	\$10,000 to \$14,999
MO, Total	306,072	\$45,390	43.6	24.3	30.2	49,140	\$51,041	34.9	22.2
20071 Franklin	28,027	\$50,120	49.8	28.1	22.1	49,087	39.3	25.6	
20026 Jefferson	34,089	\$51,797	47.2	28.4	28.4	46,267	36.9	19.2	
20003 St. Charles	17,402	\$64,415	33.8	28.7	27.6	58,280	50.2	20.5	
20009 St. Louis	172,818	\$61,480	27.8	23.7	30.4	37,147	60,068	38.7	26.2
20010 St. Louis City	17,784	\$32,080	38.1	17.8	13.7	31,747	39,029	34.0	11.0

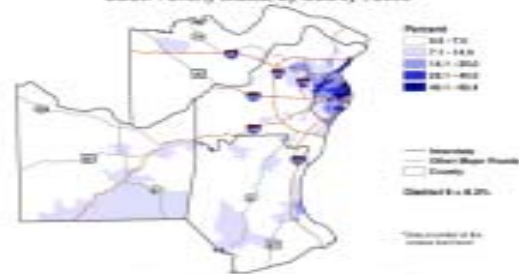
Poverty Maps

MoDOT Planning District 6 Percent Poor, by County*, 2000



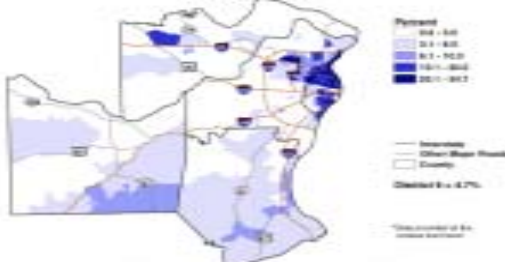
Source: 2001 State of the Economy, Missouri's Population and Housing Statistics
*Population Based by County of Residence (United States Census Bureau, 2000)
Map Information: 11/12/2001

MoDOT Planning District 6 Percent of Persons 18 to 64 Years of Age Below Poverty Status, by County*, 2000



Source: 2001 State of the Economy, Missouri's Population and Housing Statistics
*Population Based by County of Residence (United States Census Bureau, 2000)
Map Information: 11/12/2001

MoDOT Planning District 6 Percent of Families Below Poverty Status, by County*, 2000



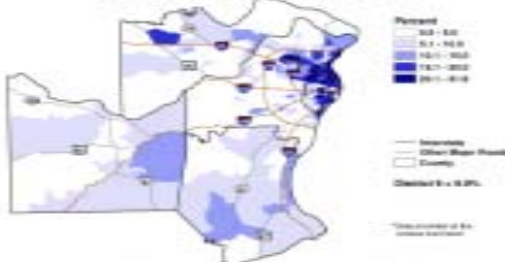
Source: 2001 State of the Economy, Missouri's Population and Housing Statistics
*Population Based by County of Residence (United States Census Bureau, 2000)
Map Information: 11/12/2001

MoDOT Planning District 6 Percent of Persons 65 Years of Age or Older Below Poverty Status, by County*, 2000



Source: 2001 State of the Economy, Missouri's Population and Housing Statistics
*Population Based by County of Residence (United States Census Bureau, 2000)
Map Information: 11/12/2001

MoDOT Planning District 6 Percent of Persons Under 18 Years of Age Below Poverty Status, by County*, 2000



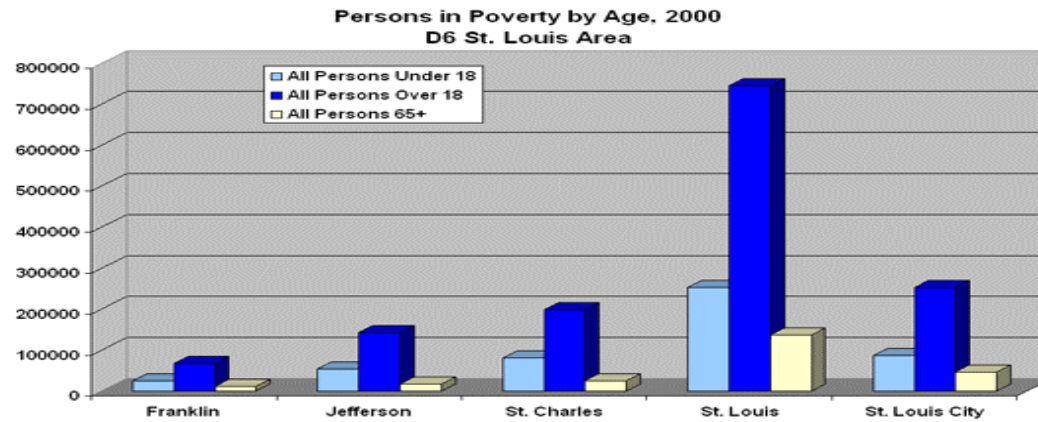
Source: 2001 State of the Economy, Missouri's Population and Housing Statistics
*Population Based by County of Residence (United States Census Bureau, 2000)
Map Information: 11/12/2001

MoDOT Planning District 6 Percent of Persons Between 100% and 200% of the Poverty Level, by County*, 2000

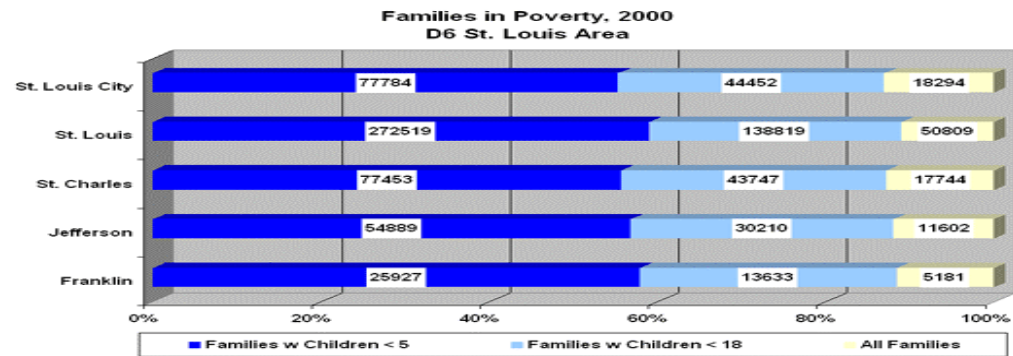


Source: 2001 State of the Economy, Missouri's Population and Housing Statistics
*Population Based by County of Residence (United States Census Bureau, 2000)
Map Information: 11/12/2001

Poverty Charts



Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000)
Produced by: The Office of Social and Economic Data Analysis, UOE, [TDranginis, September, 2002]



Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000)
Produced by: The Office of Social and Economic Data Analysis, UOE, [TDranginis, September, 2002]

Poverty Tables

Missouri Population Between 100 and 200 Percent of Poverty Level, 1990-2000
D6 St. Louis

Area Description		Percent Between 100 and 200 Percent of Poverty Level					
FIPS Code	County	Change 1990-2000				Percent of All Persons	
		1990	1995	Number	Percent	1990	1995
	St. Louis	28,232	28,241	91	0.3	13.8	14.1
20071	Franklin County	16,217	16,269	4,502	4.6	86.2	25.8
20009	Jefferson County	25,303	27,542	1,519	6.0	14.9	16.3
20101	St. Charles County	20,827	21,394	3,446	8.3	9.8	10.1
20103	St. Louis County	11,114	10,127	-1,017	-8.8	11.1	10.4
20610	St. Louis city	76,005	90,294	-12,061	-14.1	23.8	23.9

Source: U.S. Census Bureau, 1990 and 2000 Decennial Censuses, Summary File 3. Population in poverty between 100 and 200 percent of poverty level. Missouri counties and independent cities. Data for St. Louis city is based on the 2000 Census. Missouri population, 1990-2000.

Missouri Population Age 65 and Over Below Poverty Level, 1990-2000
D6 St. Louis Area

Area Description		Percent Age 65 and Over Below Poverty Level					
FIPS Code	County	Change 1990-2000				Percent of Persons 65 and Over	
		1990	1995	Number	Percent	1990	1995
	St. Louis Area	10,324	22,523	-4,159	40.5	7.9	16.2
20071	Franklin County	911	1,000	189	14.0	8.8	11.8
20009	Jefferson County	1,268	1,327	220	17.1	9.3	9.8
20101	St. Charles County	1,295	823	492	51.3	5.1	5.8
20103	St. Louis County	1,289	7,028	386	4.9	9.3	9.3
20610	St. Louis city	1,086	11,536	-9,820	-92.1	17.4	16.7

Source: U.S. Census Bureau, 1990 and 2000 Decennial Censuses, Summary File 3. Population in poverty between 100 and 200 percent of poverty level. Missouri counties and independent cities. Data for St. Louis city is based on the 2000 Census. Missouri population, 1990-2000.

Missouri Population Age 18 to 64 Below Poverty Level, 1990-2000
D6 St. Louis

Area Description		Percent Age 18 to 64 Below Poverty Level					
FIPS Code	County	Change 1990-2000				Percent of All Persons 18 to 64	
		1990	1995	Number	Percent	1990	1995
	St. Louis	86,228	86,290	6,302	9.0	8.3	7.8
20071	Franklin County	3,298	3,071	327	10.8	8.8	8.9
20009	Jefferson County	7,841	8,349	762	11.3	6.8	6.8
20101	St. Charles County	5,723	5,738	387	11.4	3.3	3.8
20103	St. Louis County	38,301	28,076	8,328	28.1	8.1	4.7
20610	St. Louis city	43,147	46,767	-1,620	-4.4	28.9	18.8

Source: U.S. Census Bureau, 1990 and 2000 Decennial Censuses, Summary File 3. Population in poverty between 100 and 200 percent of poverty level. Missouri counties and independent cities. Data for St. Louis city is based on the 2000 Census. Missouri population, 1990-2000.

Missouri Population Below Poverty Level, 1990-2000
D6 St. Louis

Area Description		Percent Below Poverty Level					
FIPS Code	County	Change 1990-2000				Percent of All Persons	
		1990	1995	Number	Percent	1990	1995
	St. Louis	92,864	170,837	-2,027	2.2	9.8	9.8
20071	Franklin County	6,484	6,588	-74	-1.1	7.8	8.3
20009	Jefferson County	13,213	12,888	597	4.5	6.8	7.8
20101	St. Charles County	11,077	9,889	1,288	11.9	4.8	4.7
20103	St. Louis County	69,882	64,823	12,068	26.5	8.8	9.8
20610	St. Louis city	63,888	86,271	-11,883	-12.6	28.4	23.8

Source: U.S. Census Bureau, 1990 and 2000 Decennial Censuses, Summary File 3. Population in poverty between 100 and 200 percent of poverty level. Missouri counties and independent cities. Data for St. Louis city is based on the 2000 Census. Missouri population, 1990-2000.

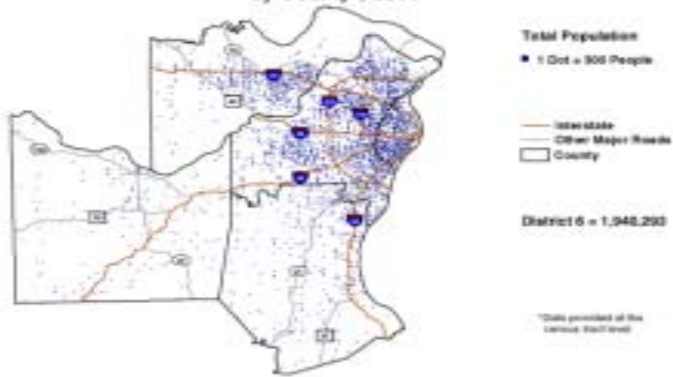
Missouri Children Under 18 Below Poverty Level, 1990-2000
D6 St. Louis

Area Description		Children Under 18 Below Poverty Level					
FIPS Code	County	Change 1990-2000				Percent of All Children Under 18	
		1990	1995	Number	Percent	1990	1995
	St. Louis	87,810	88,100	-286	-0.4	8.9	25.3
20071	Franklin County	2,185	2,427	-242	-10.1	6.0	10.8
20009	Jefferson County	4,858	4,820	39	0.8	6.0	9.2
20101	St. Charles County	4,239	3,870	369	9.5	4.6	6.1
20103	St. Louis County	24,983	18,425	5,889	22.8	7.6	7.8
20610	St. Louis city	51,396	58,798	6,447	16.6	18.9	18.7

Source: U.S. Census Bureau, 1990 and 2000 Decennial Censuses, Summary File 3. Population in poverty between 100 and 200 percent of poverty level. Missouri counties and independent cities. Data for St. Louis city is based on the 2000 Census. Missouri population, 1990-2000.

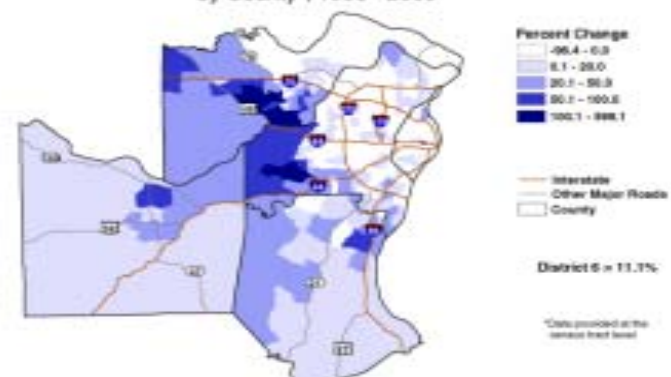
Population Maps

MoDOT Planning District 6 Total Population, by County*, 2000



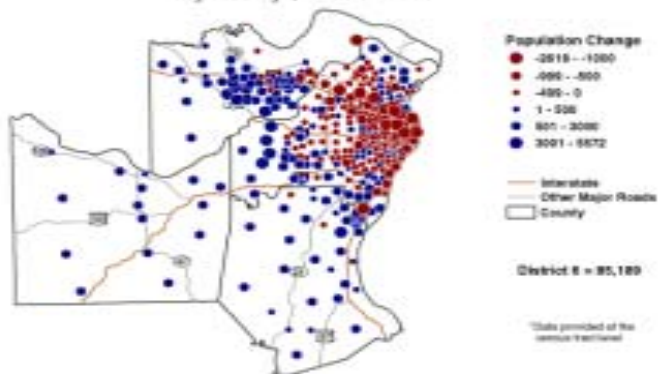
Source: USDC, Bureau of the Census, Census of Population and Housing (2000 SF1)
 Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA)
 Map Generated on 5.4.2002

MoDOT Planning District 6 Percent Change in Total Population, by County*, 1990 - 2000



Source: USDC, Bureau of the Census, Census of Population and Housing (1990 SF1, 2000 SF1)
 Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA)
 Map Generated on 5.3.2002

MoDOT Planning District 6 Change in Total Population, by County*, 1990 - 2000



Source: USDC, Bureau of the Census, Census of Population and Housing (1990 SF1, 2000 SF1)
 Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA)
 Map Generated on 5.4.2002

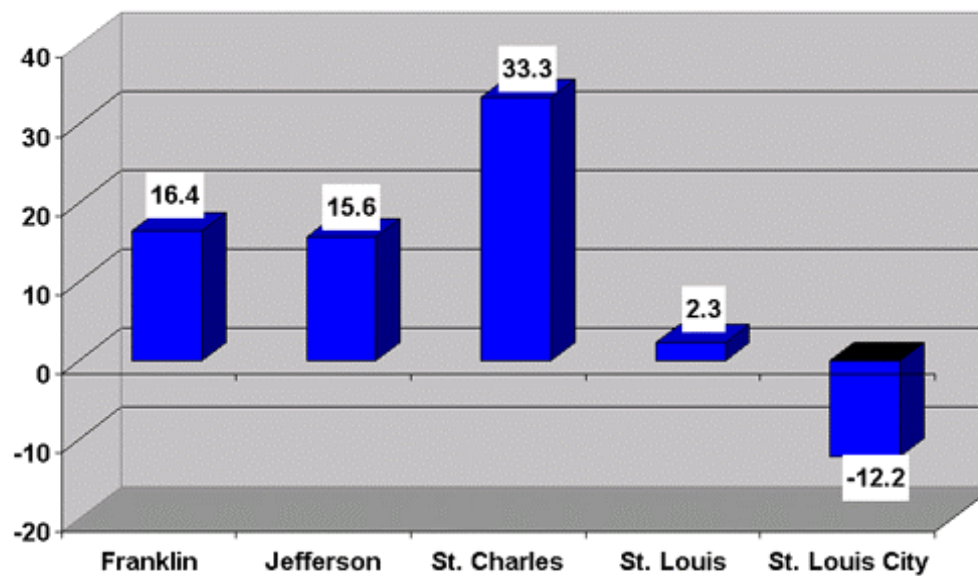
MoDOT Planning District 6 Total Population Components of Change, by County, 1990 - 2000



Source: IPEDS, Interdecadal Estimates of Components of Change (1990 - 2000)
 Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA)
 Map Generated on 5.4.2002

Population Charts

Percent Change in Population, 1990 - 2000
D6 St. Louis Area



SOURCE: USDC, Bureau of Census, Census of Population and Housing, Summary File 1 (1990, 2000),
Produced by: The Office of Social and Economic Data Analysis, UOE [T. Dranginis, April 2002]

Population Tables

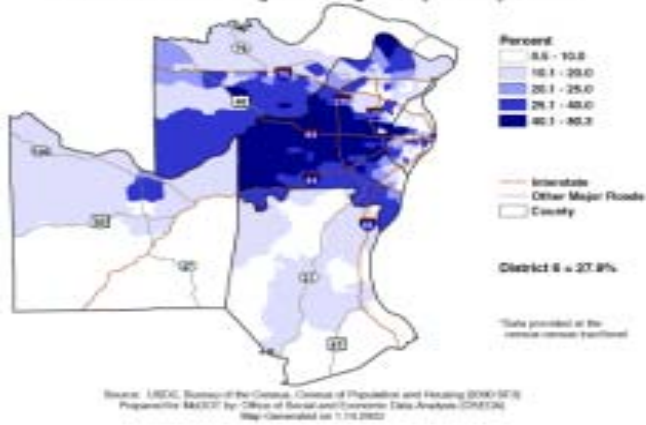
Missouri Population and Components of Change, 1990-2000 D6 St. Louis

Area Summarized		Components of Change, 1990-2000								
County		Change, 1990-2000					Natural Increase		Net Migration	
FIPS Code		Total Population 2000	Number	Percent	Births	Deaths	Number	Rate	Number	Rate
	D6 St. Louis	1,940,293	85,189	4.6	281,684	177,491	104,193	5.9	-19,004	0.4
29071	Franklin	93,807	13,204	16.4	12,642	7,984	4,658	5.8	8,546	10.6
29099	Jefferson	198,099	26,719	15.6	26,733	13,370	13,363	7.8	13,356	7.8
29183	St. Charles	283,883	70,976	33.3	38,471	13,238	25,233	11.9	45,743	21.5
29189	St. Louis	1,016,315	22,786	2.3	136,914	92,816	44,098	4.4	-21,312	-2.1
29510	St. Louis City	348,189	-48,496	-12.2	66,924	50,083	16,841	4.2	-65,337	-16.5

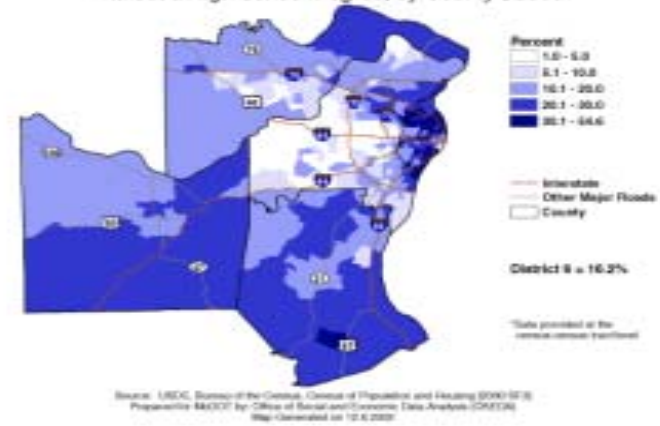
Source: 1990 and 2000 Decennial Census, Summary File 1
Prepared by University Outreach & Extension - Office of Social & Economic Data Analysis (OSEDA)
Report generated on 18JUL2002 by setup in moco_compchg_1990_2000

Educational Attainment Maps

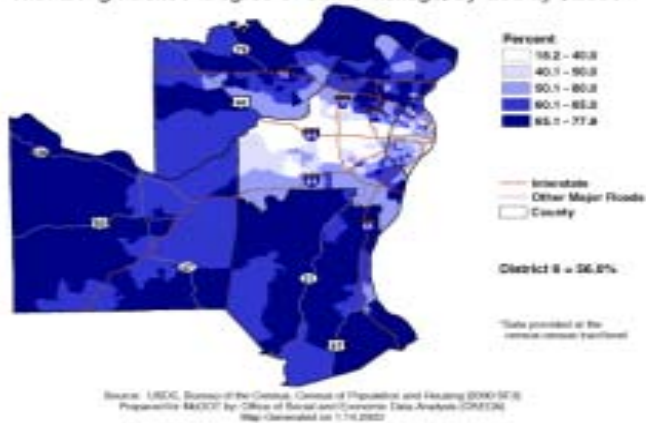
MoDOT Planning District 6 Percent of Persons 25 Years or Older With a Bachelor's Degree or Higher, by County*, 2000



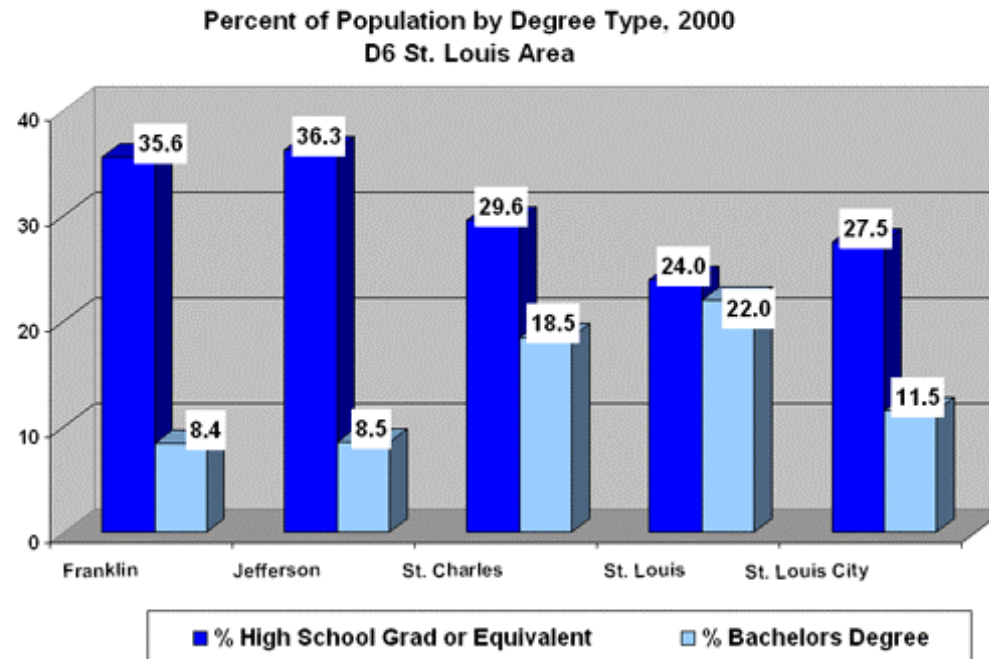
MoDOT Planning District 6 Percent of Persons 25 Years or Older Without a High School Degree, by County*, 2000



MoDOT Planning District 6 Percent of Persons 25 Years or Older With a High School Degree or Some College, by County*, 2000



Educational Attainment Charts



Source: USDC, Bureau of Census, Census of Population and Housing, Summary File 3 (2000)
Produced by: The Office of Social and Economic Data Analysis, UOE [TDranginis, June 2002]

Educational Attainment Tables

Missouri Population With A College or Professional Degree, 1990-2000
D6 St. Louis

Area Summarized		Persons Age 25 Years or Older With a College or Professional Degree					
County		Change 1990-2000				Percent of Population 25 Yrs. and Over	
FIPS Code		2000	1990	Number	Percent	2000	1990
	St. Louis Area	262,284	274,372	-78,672	-28.5	27.9	22.6
20071	Franklin County	7,721	4,548	3,173	68.1	12.8	9.3
20089	Jefferson County	15,280	9,332	5,948	63.8	12.1	9.0
20183	St. Charles County	47,386	27,547	19,839	71.8	25.3	21.2
20189	St. Louis County	228,728	199,388	46,421	24.0	35.4	26.2
20510	St. Louis City	42,189	39,177	3,161	8.1	19.1	15.3

Source: U.S. Census Bureau, Census of the United States, 1990 and 2000 (C2K00).
 Prepared by University of Missouri, Center for Economic and Social Analysis (CESA).
 Maps generated by the Missouri Center for Economic and Social Analysis, 2000-2009.

Missouri Population With A High School Diploma and Some College, 1990-2000
D6 St. Louis Area

Area Summarized		Persons Age 25 Years or Older With a High School Diploma or Some College					
County		Change 1990-2000				Percent of Population	
FIPS Code		2000	1990	Number	Percent	2000	1990
	St. Louis Area	557,364	647,475	-90,111	-13.9	86.6	83.9
20071	Franklin County	29,252	29,140	112	0.4	54.9	58.3
20089	Jefferson County	94,376	85,236	9,140	10.6	67.3	62.7
20183	St. Charles County	112,921	80,790	32,131	39.8	52.8	62.1
20189	St. Louis County	385,763	380,887	4,876	1.4	52.5	63.1
20510	St. Louis City	115,288	127,282	-11,994	-9.5	62.3	47.4

Source: U.S. Census Bureau, Census of the United States, 1990 and 2000 (C2K00).
 Prepared by University of Missouri, Center for Economic and Social Analysis (CESA).
 Maps generated by the Missouri Center for Economic and Social Analysis, 2000-2009.

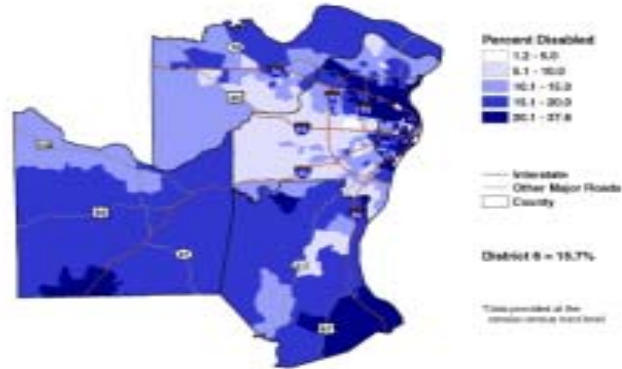
Missouri Population Without A High School Diploma, 1990-2000
D6 St. Louis Area

Area Summarized		Persons Age 25 Years or Older Without a H.S. Diploma					
County		Change 1990-2000				Percent of Population 25 Yrs. and Over	
FIPS Code		2000	1990	Number	Percent	2000	1990
	St. Louis Area	204,151	279,463	-75,312	-26.9	35.2	33.3
20071	Franklin County	13,514	16,242	-2,728	-16.8	22.3	32.6
20089	Jefferson County	25,896	29,596	-3,700	-12.0	20.6	26.4
20183	St. Charles County	19,391	21,749	-2,358	-10.8	10.8	16.7
20189	St. Louis County	67,525	116,694	-49,169	-42.1	12.8	17.7
20510	St. Louis City	62,715	85,222	-22,507	-26.4	28.7	37.2

Source: U.S. Census Bureau, Census of the United States, 1990 and 2000 (C2K00).
 Prepared by University of Missouri, Center for Economic and Social Analysis (CESA).
 Maps generated by the Missouri Center for Economic and Social Analysis, 2000-2009.

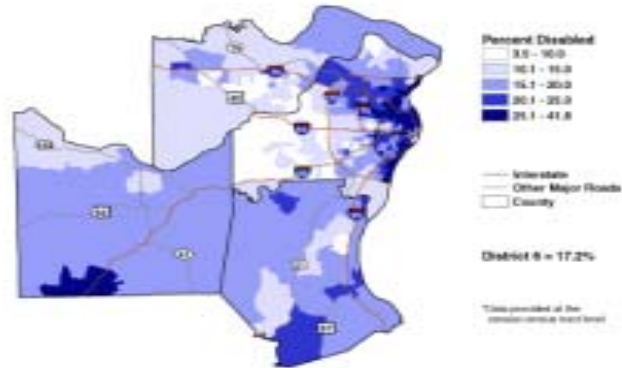
Disability Maps

MoDOT Planning District 6 Percent Work Disabled, by County*, 2000



Source: USDC, Bureau of the Census, Bureau of Population and Housing (2000-14)
Prepared for MoDOT by Office of Social and Economic Data Analysis (OSEDA)
Map Generation: 10/8/2008

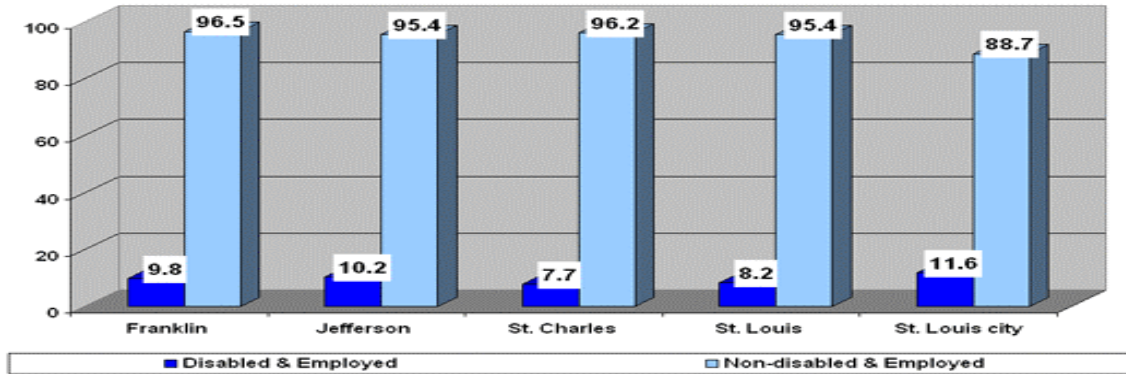
MoDOT Planning District 6 Percent Disabled, by County*, 2000



Source: USDC, Bureau of the Census, Bureau of Population and Housing (2000-14)
Prepared for MoDOT by Office of Social and Economic Data Analysis (OSEDA)
Map Generation: 10/8/2008

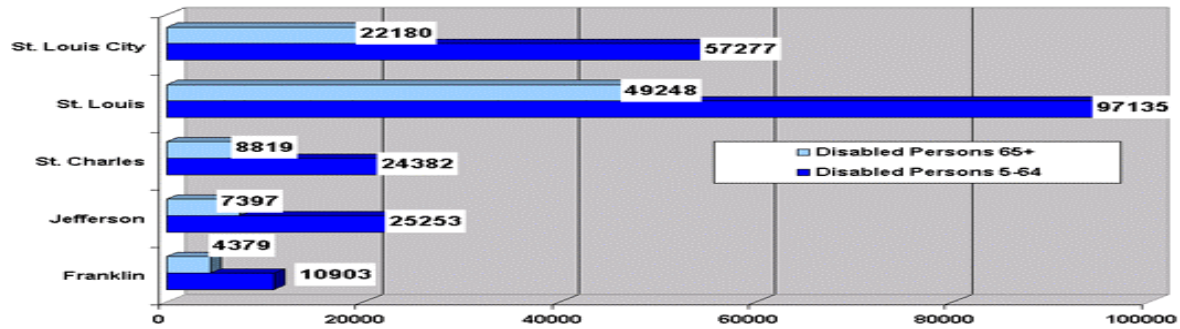
Disability Charts

**Percent Employed by Disability Status, 2000
D6 St. Louis Area**



Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000)
Produced by: The Office of Social and Economic Data Analysis, UOE [T.Dranginis, January, 2003]

**Disabled Persons by Age, 2000
D6 St. Louis**



Source: USDC, Bureau of Census, Census of Population and Housing, Summary File 3 (2000)
Produced by: The Office of Social and Economic Data Analysis, UOE [T.Dranginis, June 2002]

Disability Tables

**Missouri Persons Age 16 Years and Older With a Work Disability, 1990-2000
D6 St. Louis Area**

Area Summarized		Persons Age 16 Years and Older With a Work Disability					
County		Change 1990-2000				Percent of All Workers 16 Yrs. and Over	
FIPS Code		2000	1990	Number	Percent	2000	1990
	D6 St. Louis Area	194,284	88,211	111,073	133.5	15.7	7.1
29071	Franklin County	10,033	3,832	6,201	161.6	16.9	7.7
29099	Jefferson County	22,650	8,731	13,919	159.4	17.3	7.9
29183	St. Charles Count	21,447	7,570	13,877	183.3	11.6	5.4
29189	St. Louis County	87,187	36,708	50,484	137.5	13.6	5.7
29510	St. Louis city	52,967	26,375	26,592	100.8	24.3	11.1

Source: 1990, Bureau of the Census; 1990 and 2000 Decennial Census, Summary File 3. Prepared by University of Missouri, Center for Social & Economic Data Analysis (CSEDA). Includes both employed and unemployed disabled persons. Report generated on 02/24/2002 by setup in missouri\data/dbase1/1990_2000.

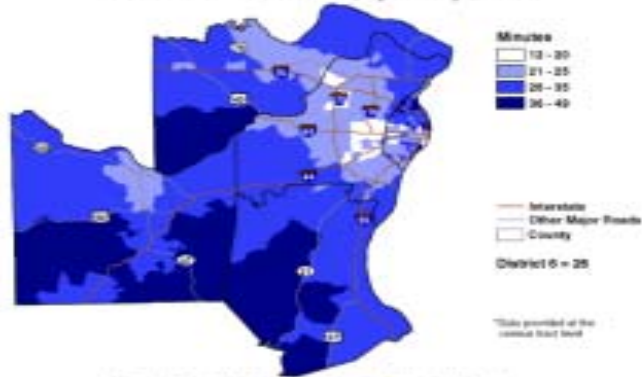
**Disabled Missouri Population Age 5 Years and Older, 2000
D6 St. Louis**

Area Summarized		Disabled Population Age 5 Years and Older	
County		Number	Percent
FIPS Code			
	D6 St. Louis	306,973	17.2
29071	Franklin County	15,282	17.7
29099	Jefferson County	32,650	17.9
29183	St. Charles Count	33,261	12.7
29189	St. Louis County	146,383	15.6
29510	St. Louis city	79,457	24.8

Source: 2000, Bureau of the Census; 2000 Decennial Census, Summary File 3. Prepared by University of Missouri, Center for Social & Economic Data Analysis (CSEDA). Report generated on 02/26/2002 by setup in missouri\data/dbase1/2000.

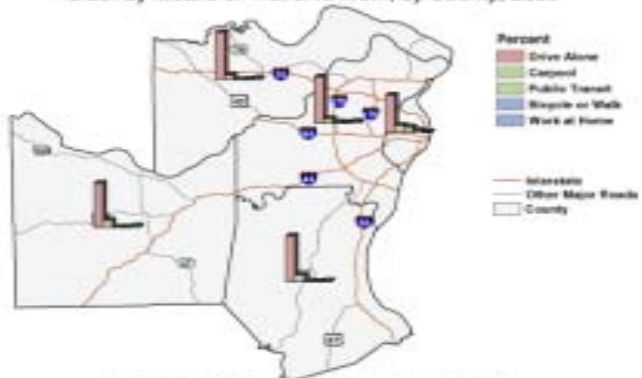
Transportation Maps

MoDOT Planning District 6 Population 16 Years or Older
Mean Travel Time to Work, by County*, 2000



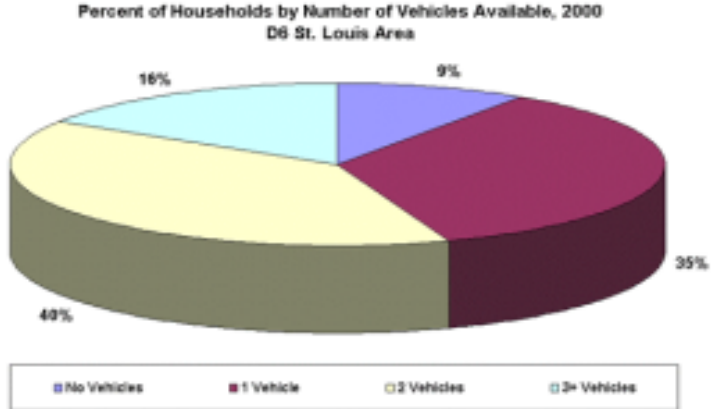
Source: BUREAU OF ECONOMIC ANALYSIS, Census of Population and Housing (2000 SPT)
Prepared for MoDOT by: Office of Social and Economic Data Analysis (JRC/SA)
Map Generated on 1/13/2002

MoDOT Planning District 6 Percent of Workers 16 Years or
Older by Means of Travel to Work, by County, 2000

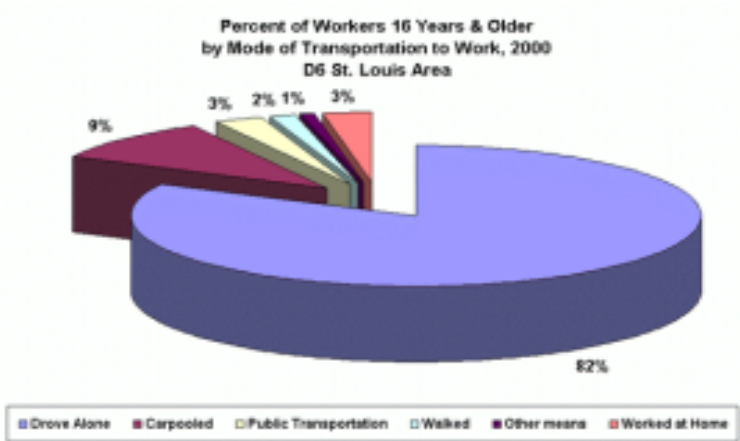


Source: BUREAU OF ECONOMIC ANALYSIS, Census of Population and Housing (2000 SPT)
Prepared for MoDOT by: Office of Social and Economic Data Analysis (JRC/SA)
Map Generated on 1/13/2002

Transportation Charts



Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000)
Produced by: The Office of Social and Economic Data Analysis, UOE, [TDranigins, August 2002]



Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000)
Produced by: The Office of Social and Economic Data Analysis, UOE, [TDranigins, August 2002]



Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000)
Produced by: The Office of Social and Economic Data Analysis, UOE, [TDranigins, August 2002]

Transportation Tables

Missouri Means of Travel to Work, 2000 D6 St. Louis

Area Summarized		Means of Transportation to Work, 2000						
County		Distribution by Means or Travel						
FIPS Code		Workers Age 16 Yrs. or Older	Average Commute Time [In Minutes]	Drive Alone	Carpool	Public Transportation	Bicycle or Walk	Work at Home
	D6 St. Louis	931,570	26	82.6	9.7	2.6	1.7	2.9
29071	Franklin County	45,363	29	81.6	12.9	0.3	1.2	3.3
29099	Jefferson County	98,030	31	84.3	12.2	0.2	0.8	2.1
29183	St. Charles Coun	149,111	26	87.1	8.1	0.3	0.9	3.0
29189	St. Louis County	498,319	24	84.9	8.4	1.7	1.4	3.2
29510	St. Louis city	140,747	25	68.9	13.6	10.7	4.5	1.7

Source: USDC, Bureau of the Census, 1990 and 2000 Decennial Census, Summary File 3
 Prepared by University Outreach & Extension - Office of Social & Economic Data Analysis (OSED)A
 Report generated on 16DEC2002 by setup in moco_meantrans_1990_2000

Final Report

APPENDIX D – Regional Planning Commissions

This appendix illustrates the screen selections for the Regional Planning Commissions.

Regional Planning Commission








Missouri Department of Transportation
Socio-Economic Indicator Resource

Regional Planning Commissions
 Click on the regional map to view a particular region




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Missouri Department of Transportation
Socio-Economic Indicator Resource


East-West Gateway Coordinating Council


- Age
- Race / Hispanic
- Employment Status
- Housing Units
- Households
- Income
- Poverty
- Population
- Educational Attainment
- Disability
- Transportation




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Age Cohorts







**Missouri Department of Transportation
Socio-Economic Indicator Resource**



**East-West Gateway Coordinating Council
Age Cohorts**


<u>Age</u>	Maps
<u>Race / Hispanic</u>	- <u>Percent of Total Population by Age Cohort, By County, 2000</u>
<u>Employment Status</u>	- <u>Change in Total Population by Age Cohort, By County, 1990-2000</u>
<u>Housing Units</u>	- <u>Percent Change of Total Population by Age Cohort, By County, 1990-2000</u>
<u>Households</u>	Charts
<u>Income</u>	- <u>Change in Population for Selected Age Cohorts, 1990-2000</u>
<u>Poverty</u>	- <u>Percent Change by Selected Age Cohorts, 1990-2000</u>
<u>Population</u>	Tables by County within MoDOT RPC 3
<u>Educational Attainment</u>	- <u>Population Age Under 5 Years and Age 5 to 17 Years, 1990-2000</u>
<u>Disability</u>	- <u>Population Age 18 to 24 Years and Age 25 to 34 Years, 1990-2000</u>
<u>Transportation</u>	- <u>Population Age 35 to 54 Years and Age 55 to 64 Years, 1990-2000</u>
	- <u>Population Age 65 to 84 Years and 85 Years and Older, 1990-2000</u>
	Regional Profile Reports
	- <u>State Overview -- Age Distribution of Missouri Population, 1990-2000</u>
	- <u>Population of Missouri Seniors</u>
	- <u>The "Baby Boom" Generation 2000 - Change in the Population Age 35-54 and 55-64 from 1990-2000</u>
	- <u>Change in the Population of Missouri Young Adults, age 18-24 and 25-34, 1990-2000</u>
	- <u>Change in Population of Missouri Pre-School and School Age Children and Youth</u>

View Age Maps, Charts and Tables for another RPC by choosing from the list below.


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Race/ Hispanic



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Missouri Department of Transportation
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East-West Gateway Coordinating Council
Race / Hispanic

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Population

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Maps

- [Percent of Total Population by Race and Ethnicity, By County, 2000](#)
- [Change in Total Population by Race and Ethnicity, By County, 1990-2000](#)
- [Percent Change of Total Population by Race and Ethnicity, By County, 1990-2000](#)

Charts

- [Race Categories as Percent of Total Population, 2000](#)
- [Change in Population by Race, 1990-2000](#)
- [Percent Hispanic Population by Race, 2000](#)
- [Change in Hispanic Population, 1990-2000](#)
- [Change in Minority Population, 1990-2000](#)
- [Percent of Persons Whose Primary Language is English, Spanish or Other Language, 2000](#)

Tables by County within MoDOT RPC 3

- [Racial Minority Population in Missouri, 1990-2000](#)
- [African American Population in Missouri, 1990-2000](#)
- [Hispanic Population in Missouri, 1990-2000](#)
- [Asian and Pacific Islander Population in Missouri, 1990-2000](#)
- [American Indian and Aleut Population in Missouri, 1990-2000](#)
- [Other Race Population in Missouri, 1990-2000](#)
- [Total and Multi-Race Population in Missouri, 2000](#)

Regional Profile Reports


- [An Overview of Changes in Race of Missouri's Population 2000](#)
- [Racial Categories of Missouri Hispanics 2000](#)
- [Missouri 2000 Hispanic Population and Change 1990-2000](#)
- [An Overview of the Age of the 2000 Missouri Hispanic Population: Much Younger than Rest of Missouri](#)
- [Change in African American Population 1990 to 2000](#)
- [Missouri's Multi-Race Population 2000](#)
- [Change in Missouri American Indian and Aleut Population 1990-2000](#)
- [Change in Missouri Asian and Pacific Islander Population, 1990-2000](#)

View Race/Hispanic Maps, Charts and Tables for another RPC by choosing from the list below.


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Employment Status

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**Missouri Department of Transportation
Socio-Economic Indicator Resource**



**East-West Gateway Coordinating Council
Employment Status**

<p>Age</p> <p>Race / Hispanic</p> <p>Employment Status</p> <p>Housing Units</p> <p>Households</p> <p>Income</p> <p>Poverty</p> <p>Population</p> <p>Educational Attainment</p> <p>Disability</p> <p>Transportation</p>	<p>Maps</p> <ul style="list-style-type: none">- Percent of Population 16 Years or Older in the Civilian Labor Force, By County, 2000- Percent of Population 16 Years or Older by Occupation, By County, 2000- Percent of Population 16 Years or Older Unemployed, By County, 2000- Percent of Population 16 Years or Older Working in County of Residence, By County, 2000 <p>Charts</p> <ul style="list-style-type: none">- Employment Status of Civilian Labor Force, 2000- Percent of Population 16 Years or Older in the Labor Force, 2000- Percent Employed in Civilian Population 16 Years or Older by Occupation, 2000- Unemployment Rate, 2000 <p>Tables by County within MoDOT RPC 3</p> <ul style="list-style-type: none">- Population Age 16 Years and Over in the Armed Forces, 1990-2000- Population Age 16 Years and Over in the Civilian Labor Force, 1990-2000- Distribution of Employed Civilian Labor Force by Occupation, 2000- Missouri Persons Working In County of Residence, 1990-2000- Missouri Unemployed Persons, 1990-2000 <p>Regional Profile Reports</p> <ul style="list-style-type: none">- State Overview -- Change in Missouri Civilian Labor Force and Employment, 1990-2000- State Overview -- Missouri Full-Time and Part-time Employment 1990-2000 - Bureau of Economic Analysis- Commuting to Work Outside of Home County 1990-2000
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View Employment Status Maps, Charts and Tables for another RPC by choosing from the list below.

RPC 1	RPC 2	RPC 3	RPC 4	RPC 5	RPC 6	RPC 7	RPC 8	RPC 9	RPC 10
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Housing Units



Missouri Department of Transportation
Socio-Economic Indicator Resource



East-West Gateway Coordinating Council
Housing Units

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Income

Costs

Occupation

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Maps

- Total Housing Units, By County, 2000
- Total Housing Units Occupied, By County, 2000
- Total Housing Units Vacant, By County, 2000
- Percent of Total Housing Units Occupied, By County, 2000
- Percent of Total Housing Units Vacant, By County, 2000
- Owner-Occupied Housing Units, By County, 2000
- Percent of Housing Units that are Owner-Occupied, By County, 2000
- Residential Vacancy Rate, By County, 2000
- Owner-Occupied Housing Units, By County, 2000
- Percent of Housing Units that are Owner-Occupied, By County, 2000
- Average Household Size of Owner-Occupied Units, By County, 2000
- Average Gross Rent, By County, 2000
- Percent of Housing Units by Monthly Owner Costs as a Percentage of Household Income, By County, 2000
- Percent of Housing Units by Gross Rent as a Percentage of Household Income, By County, 2000
- Median Value, By County, 2000
- Percent of Housing Units by House Value, By County, 2000
- Average Housing Unit Age, By County, 2000
- Percent of Housing Units that are Seasonal, By County, 2000
- Percent of Housing Units that are Mobile Homes, By County, 2000
- Percent of Housing Units that are Mobile Homes, By County, 2000
- Percent of Housing Units that are Seasonal, By County, 2000
- Percent of Housing Units by the Number of Vehicles Available, By County, 2000

Charts

- Percent Distribution of Occupied and Vacant Housing Units, 2000
- Percent of Owner- and Renter Units Occupied, 2000
- Median Value of Owner-Occupied Housing, 2000
- Percent of Housing Units that are Owner-Occupied, 2000
- Average Costs as a Percent of Household Income, 2000
- Owner-Occupied Housing by Median Value, 2000
- Owner-Occupied Housing by County, 2000
- State, 2000
- Owner-Occupied as a Percent of Household Income, 2000
- Percent of Persons Occupying Same Residence as in 1995, 2000

Tables by County within MoDOT RPC 3

- Total Housing Units in Missouri, 1990-2000
- Total Occupied Housing Units in Missouri, 1990-2000
- Owner-Occupied Housing Units in Missouri, 1990-2000
- Renter-Occupied Housing Units in Missouri, 1990-2000
- Total Vacant Housing Units in Missouri, 1990-2000
- Missouri Housing Unit Vacancy Rates, 1990-2000
- Missouri Average Housing Value and Monthly Cost as a Percentage of Household Income, 2000
- Missouri Average Gross Rent and Monthly Rent as a Percentage of Household Income, 2000
- Median Value and Rent of Occupied Housing Units, 1990-2000
- Missouri Housing Units Built 5 Years Prior to the Census and Average Age of All Units, 2000
- Housing Unit Structures Built During the Decade, 1990-2000
- Housing Unit Structures Built Before 1990, 1990-2000
- Missouri Single and Two Family Housing Units, 1990-2000
- Missouri Housing Units that are Mobile Homes, 1990-2000
- Vacant, Seasonal and Recreational Use Housing Units in Missouri, 2000
- Occupied Housing Units by Number of Vehicles Available, 2000

Regional Profile Reports

- State Overview - Change in Missouri Housing Units, 1990-2000
- Change in Number of Missouri Housing Units, 1990-2000
- Missouri Single and Two Family Housing Units, 1990-2000
- Total Occupied Housing Units, 1990-2000
- Housing Units Built During the 1990s by County and Region
- Housing Units Built Before 1990 by County and Region

View Housing Units Maps, Charts and Tables for another RPC by choosing from the list below.

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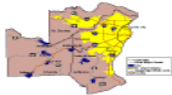
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Households



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Missouri Department of Transportation
Socio-Economic Indicator Resource



East-West Gateway Coordinating Council Households

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- [Total Household Population, By County, 2000](#)
- [Average Family Size, By County, 2000](#)
- [Average Household Size, By County, 2000](#)
- [Total Group Quarters Population, By County, 2000](#)
- [Institutional Group Quarters Population, By County, 2000](#)
- [Noninstitutional Group Quarters Population, By County, 2000](#)
- [Percent of Population Living in Group Quarters, By County, 2000](#)

Charts

- [Family Households as a Percent of Total Households, 2000](#)
- [Percent of Population in Households and Group Quarters, 2000](#)
- [Percent Distribution of Group Quarter Residents, 2000](#)

Tables by County within MoDOT RPC 3

- [Total Family Households in Missouri, 1990-2000](#)
- [Institutionalized Population in Group Quarters, 1990-2000](#)
- [Noninstitutionalized Population in Group Quarters, 1990-2000](#)
- [Total Households in Missouri, 1990-2000](#)
- [Residence of Population Age 5 Years and Over Living in a Different House, 1990-2000](#)
- [Residence of Population Age 5 Years and Over Living in the Same State, 1990-2000](#)
- [Residence of Population Living in a Different State or Abroad, 1990-2000](#)

Regional Profile Reports


- [State Overview -- 2000 Census Data on Households -- Type, Location and Change 1990-2000](#)
- [Change in Family Households With Children Under 18 1990-2000](#)
- [Change in Number and Location of Family Households 1990-2000](#)
- [Population Residing in Institutional Group Quarters 1990-2000](#)
- [Population Residing in Noninstitutionalized Group Quarters 1990-2000](#)

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Income



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**Missouri Department of Transportation
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**East-West Gateway Coordinating Council
Income**

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- [Per Capita Income, By County, 2000](#)
- [Average Household Income, By County, 2000](#)
- [Percent of Households by Income Cohort, By County, 2000](#)
- [Average Family Income, By County, 2000](#)
- [Percent of Families by Income Cohort, By County, 2000](#)
- [Average Female Earnings, By County, 2000](#)
- [Average Male Earnings, By County, 2000](#)

Charts

- [Per Capita Income, 2000](#)
- [Median Household Income, 2000](#)
- [Percent of Households by Income, 2000](#)
- [Median Family Income, 2000](#)
- [Median Income by Gender, 2000](#)

Tables by County within MoDOT RPC 3

- [Median Household and Family Income, 1989-1999](#)
- [Missouri Household Income Distribution, 2000](#)
- [Median Family Income and Selected Family Income Categories, 1989-1999](#)
- [Missouri Family Income Distribution, 2000](#)
- [Missouri Miscellaneous Income Measures, 2000](#)

Regional Profile Reports

- [State Overview -- Change in Missouri Median Household Income and Family Income 1989-1999](#)
- [Median Family Income by Counties and Regions and Change in Median Family Income in Constant Dollars 1989-1999](#)
- [State Overview -- Missouri Total Personal Income 2000 and Change from 1990](#)
- [Change in Total Personal Income by County and Region 1990-2000](#)
- [Transfer Payments As a Proportion of Total Personal Income 1990 - 2000](#)
- [Missouri Per Capita Income in 2000 and Change from 1990](#)
- [Change in Bank Deposits by County and Region 1990-2000](#)

View Income Maps, Charts and Tables for another RPC by choosing from the list below.

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Poverty



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Missouri Department of Transportation Socio-Economic Indicator Resource



East-West Gateway Coordinating Council Poverty

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- [Percent Poor, By County, 2000](#)
- [Percent of Families Below Poverty Status, By County, 2000](#)
- [Percent of Persons Under 18 Years of Age Below Poverty Status, By County, 2000](#)
- [Percent of Persons 18-64 Years of Age Below Poverty Status, By County, 2000](#)
- [Percent of Persons 65 Years of Age or Older Below Poverty Status, By County, 2000](#)
- [Percent of Persons Between 100% and 200% of the Poverty Level, By County, 2000](#)

Charts

- [Persons in Poverty by Age, 2000](#)
- [Families in Poverty, 2000](#)

Tables by County within MoDOT RPC 3

- [Missouri Population Below Poverty Level, 1990-2000](#)
- [Missouri Children Under 18 Below Poverty Level, 1990-2000](#)
- [Missouri Population Age 18 to 64 Below Poverty Level, 1990-2000](#)
- [Missouri Population Age 65 and Over Below Poverty Level, 1990-2000](#)
- [Missouri Population Between 100 and 200 Percent of Poverty Level, 1990-2000](#)

Regional Profile Reports

- [State Overview -- Population With Income Below the Federal Poverty Level, 1990-2000](#)
- [Missourians Age 65 and Over with Income Below Poverty Guideline 1990-2000](#)
- [Proportion of Missouri Adults \(Age 18-64\) Having an Income Below Federal Poverty Level -- 1990-2000](#)
- [Missouri Children and Youth \(Under Age 18\) Living in Households with Income Below Federal Poverty Guideline 1990-2000](#)

View Poverty Maps, Charts and Tables for another RPC by choosing from the list below.

[RPC 1](#) [RPC 2](#) [RPC 3](#) [RPC 4](#) [RPC 5](#) [RPC 6](#) [RPC 7](#) [RPC 8](#) [RPC 9](#) [RPC 10](#)
[RPC 11](#) [RPC 12](#) [RPC 13](#) [RPC 14](#) [RPC 15](#) [RPC 16](#) [RPC 17](#) [RPC 18](#) [RPC 19](#)

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Population



East-West Gateway Coordinating Council Population

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Maps

- [Total Population, By County, 2000](#)
- [Change in Total Population, By County, 1990-2000](#)
- [Percent Change in Total Population, By County, 1990-2000](#)
- [Total Population Components of Change, By County, 1990-2000](#)

Charts

- [Percent Change in Population, 1990-2000](#)

Tables by County within MoDOT RPC 3

- [Missouri Population and Components of Change, 1990-2000](#)

Regional Profile Reports


- [Missouri Components of Population Change 1990-2000](#)
- [Open Country Population Growth 1990-2000 Exceeds Rate of Growth of Towns and Cities.](#)


View Population Maps, Charts and Tables for another RPC by choosing from the list below.


[RPC 1](#) [RPC 2](#) [RPC 3](#) [RPC 4](#) [RPC 5](#) [RPC 6](#) [RPC 7](#) [RPC 8](#) [RPC 9](#) [RPC 10](#)
[RPC 11](#) [RPC 12](#) [RPC 13](#) [RPC 14](#) [RPC 15](#) [RPC 16](#) [RPC 17](#) [RPC 18](#) [RPC 19](#)

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Educational Attainment



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**Missouri Department of Transportation
Socio-Economic Indicator Resource**



**East-West Gateway Coordinating Council
Educational Attainment**

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Maps

- [Percent of Persons 25 Years or Older With a Bachelor's Degree or Higher, By County, 2000](#)
- [Percent of Persons 25 Years or Older With a High School Degree or Some College, By County, 2000](#)
- [Percent of Persons 25 Years or Older Without a High School Degree, By County, 2000](#)

Charts

- [Percent Population by Degree Type, 2000](#)

Tables by County within MoDOT RPC 3

- [Missouri Population With A College or Professional Degree, 1990-2000](#)
- [Missouri Population With A High School Diploma and Some College, 1990-2000](#)
- [Missouri Population Without A High School Diploma, 1990-2000](#)

Regional Profile Reports




- [State Overview -- Educational Attainment of Persons Age 25 or Over, 1990-2000](#)
- [Change in Number of Missouri Adults Not Having Graduated from High School 1990-2000](#)
- [Change in Number of Missourians Having Acquired Some Post-Secondary Education but are Not College Graduates 1990-2000](#)
- [Change in Missouri's College Graduates By County and Region 1990-2000](#)


View Educational Attainment Maps, Charts and Tables for another RPC by choosing from the list below.

RPC 1	RPC 2	RPC 3	RPC 4	RPC 5	RPC 6	RPC 7	RPC 8	RPC 9	RPC 10
RPC 11	RPC 12	RPC 13	RPC 14	RPC 15	RPC 16	RPC 17	RPC 18	RPC 19	

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Disability

  
**Missouri Department of Transportation
Socio-Economic Indicator Resource**



**East-West Gateway Coordinating Council
Disability**

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Maps
- [Percent Disabled, By County, 2000](#)
- [Percent Work Disabled, By County, 2000](#)

Charts
- [Disabled Persons by Age, 2000](#)
- [Percent Employment by Disability Status, 2000](#)

Tables by County within MoDOT RPC 3
- [Disabled Missouri Population Age 5 Years and Older, 2000](#)
- [Missouri Persons Age 16 Years and Older With a Work Disability, 1990-2000](#)

View Disability Maps, Charts and Tables for another RPC by choosing from the list below.

[RPC 1](#) [RPC 2](#) [RPC 3](#) [RPC 4](#) [RPC 5](#) [RPC 6](#) [RPC 7](#) [RPC 8](#) [RPC 9](#) [RPC 10](#)
[RPC 11](#) [RPC 12](#) [RPC 13](#) [RPC 14](#) [RPC 15](#) [RPC 16](#) [RPC 17](#) [RPC 18](#) [RPC 19](#)

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Transportation

  
**Missouri Department of Transportation
Socio-Economic Indicator Resource**



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- [Percent of Workers 16 Years or Older by Means of Travel to Work, By County, 2000](#)
- [Population 16 Years or Older Mean Travel Time to Work, By County, 2000](#)

Charts

- [Percent of Workers 16 Years or Older by Mode of Transportation to Work, 2000](#)
- [Percent of Households by Number of Vehicles Available, 2000](#)
- [Mean Travel Time to Work in Minutes, 2000](#)

Tables by County within MoDOT RPC 3

- [Missouri Means of Travel to Work, 2000](#)

Regional Profile Reports

- [Commuting to Work Outside of Home County 1990-2000](#)

View Transportation Maps, Charts and Tables for another RPC by choosing from the list below.



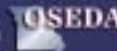
[RPC 1](#) [RPC 2](#) [RPC 3](#) [RPC 4](#) [RPC 5](#) [RPC 6](#) [RPC 7](#) [RPC 8](#) [RPC 9](#) [RPC 10](#)
[RPC 11](#) [RPC 12](#) [RPC 13](#) [RPC 14](#) [RPC 15](#) [RPC 16](#) [RPC 17](#) [RPC 18](#) [RPC 19](#)

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APPENDIX E – Metropolitan Planning Organization

This appendix illustrates the screen selections for the Metropolitan Planning Organizations.

Metropolitan Planning Organization




**Missouri Department of Transportation
Socio-Economic Indicator Resource**

Missouri Department of Transportation Metropolitan Planning Organizations
 Click on the regional map to view a particular region



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**Missouri Department of Transportation
Socio-Economic Indicator Resource**
MoDOT East West Gateway Coordinating Council



- Age
- Race / Hispanic
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Age Cohorts



MoDOT MPO 2 East West Gateway Coordinating Council Age Cohorts

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Maps

- [Percent of Population 17 Years or Younger, 2000](#)
- [Percent of Population 18 to 64 Years Old, 2000](#)
- [Percent of Persons Age 65 or Older, 2000](#)

Tables

- [Total Population and Population by Age, 1990-2000](#)

View Age Maps and Tables for another MPO by choosing from the list below.

[MPO 1](#) [MPO 2](#) [MPO 3](#) [MPO 4](#) [MPO 5](#) [MPO 6](#) [MPO 7](#)

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Race/ Hispanic



MoDOT MPO 2 East West Gateway Coordinating Council Race / Hispanic

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Maps

- [Percent Minority Population, 2000](#)

Tables

- [Race and Hispanic, 1990-2000](#)

- [Language Spoken at Home, 1990-2000](#)

View Race / Hispanic Maps and Tables for another MPO by choosing from the list below.

[MPO 1](#)

[MPO 2](#)

[MPO 3](#)

[MPO 4](#)

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Maps

- [Percent of the Population 16 Years or Older in the Civilian Labor Force, 2000](#)
- [Percent of the Population 16 Years or Older in Professional Occupations, 2000](#)
- [Percent of the Population 16 Years or Older in Service Occupations, 2000](#)
- [Percent of the Population 16 Years or Older in Sales Occupations, 2000](#)
- [Percent of the Population 16 Years or Older in Construction Occupations, 2000](#)
- [Percent of the Population 16 Years or Older in Production and Transportation Occupations, 2000](#)
- [Percent of the Population 16 Years or Older Unemployed, 2000](#)
- [Percent of the Population 16 Years or Older Working in Place of Residence, 2000](#)

Tables

- [Employment Status, 1990-2000](#)
- [Work Force by Industry, 1990-2000](#)
- [Work Force by Occupation, 1990-2000](#)
- [Veteran and Armed Forces Status, 1990-2000](#)
- [Place of Work, 1990-2000](#)

View Employment Status Maps and Tables for another MPO by choosing from the list below.

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Housing Units



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Missouri Department of Transportation Socio-Economic Indicator Resource



MoDOT MPO 2 East West Gateway Coordinating Council Housing Units

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- [Percent Housing Units Owner-Occupied, 2000](#)
- [Percent Housing Units Renter-Occupied, 2000](#)
- [Percent of Total Housing Units Occupied, 2000](#)
- [Percent of Total Housing Units Vacant, 2000](#)
- [Homeowner Vacancy Rate, 2000](#)
- [Rental Vacancy Rate, 2000](#)
- [Total Housing Units, 2000](#)
- [Average Gross Rent, 2000](#)
- [Average House Value, 2000](#)
- [Average Housing Unit Age, 2000](#)
- [Percent of Housing Units that are Seasonal, 2000](#)
- [Percent of Housing Units that are Mobile Homes, 2000](#)
- [Percent of Housing Units Less Than 5 Years Old, 2000](#)
- [Percent of Housing Units with No Vehicles, 2000](#)
- [Percent of Housing Units with One Vehicle, 2000](#)
- [Percent of Housing Units with Two Vehicles, 2000](#)
- [Percent of Housing Units with Three or More Vehicles, 2000](#)

Tables

- [Housing Unit Basics, 1990-2000](#)
- [Selected Household Characteristics, Number of Vehicles, 1990-2000](#)
- [Selected Housing Unit Characteristics, Mobile Home, Boat, RV, Van, etc., 1990-2000](#)
- [Age of Structure, 1990-2000](#)
- [Gross Rents, 1990-2000](#)
- [Gross Rent as a Percentage of Household Income, 1990-2000](#)
- [Owner Costs as a Percentage of Household Income, 1990-2000](#)
- [Housing Values, 1990-2000](#)

View Housing Units Maps and Tables for another MPO by choosing from the list below.

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Households



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Socio-Economic Indicator Resource**





**MoDOT MPO 2 East West Gateway Coordinating Council
Households**

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Maps

- [Average Family Size, 2000](#)
- [Average Household Size, 2000](#)
- [Total Household Population, 2000](#)
- [Percent Population Living in Group Quarters, 2000](#)
- [Institutional Group Quarters Population, 2000](#)
- [Noninstitutional Group Quarters Population, 2000](#)

Tables

- [Relationship of Persons in Households, 1990-2000](#)
- [Group Quarters, 1990-2000](#)
- [Lived in Same House 5 Years Earlier, 1990-2000](#)

View Households Maps and Tables for another MPO by choosing from the list below.

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Income

  **Missouri Department of Transportation
Socio-Economic Indicator Resource**



MoDOT MPO 2 East West Gateway Coordinating Council Income

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Maps

- [Per Capita Income, 2000](#)
- [Average Family Income, 2000](#)
- [Average Household Income, 2000](#)
- [Average Female Earnings, 2000](#)
- [Average Male Earnings, 2000](#)

Tables

- [Household Income, 1989-1999](#)
- [Other Income Measures, 1990-2000](#)

View Income Maps and Tables for another MPO by choosing from the list below.

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Poverty



MoDOT MPO 2 East West Gateway Coordinating Council Poverty

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Maps

- [Percent of Persons between 100% and 200% of the Poverty Level, 2000](#)
- [Percent Poor, 2000](#)
- [Percent of Persons Under 18 Years of Age Below Poverty Status, 2000](#)
- [Percent of Persons 18 to 64 Years of Age Below Poverty Status, 2000](#)
- [Percent of Persons 65 Years of Age or Older Below Poverty Status, 2000](#)
- [Percent of Families Below Poverty Status, 2000](#)

Tables

- [Poverty, 1990-2000](#)

View Poverty Maps and Tables for another MPO by choosing from the list below.

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Population



MoDOT MPO 2 East West Gateway Coordinating Council Population

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Maps

- [Total Population, 2000](#)

Tables

- [Total Population and Population by Age, 1990-2000](#)

View Population Maps and Tables for another MPO by choosing from the list below.

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Educational Attainment



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**Missouri Department of Transportation
Socio-Economic Indicator Resource**





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Educational Attainment**

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Maps

- [Percent of Persons 25 Years or Older Without a High School Degree, 2000](#)
- [Percent of Persons 25 Years or Older With a High School Degree or Some College, 2000](#)
- [Percent of Persons 25 Years or Older With a Bachelor's Degree or Higher, 2000](#)

Tables

- [Educational Attainment, 1990-2000](#)

View Educational Attainment Maps and Tables for another MPO by choosing from the list below.

[MPO 1](#) [MPO 2](#) [MPO 3](#) [MPO 4](#) [MPO 5](#) [MPO 6](#) [MPO 7](#)

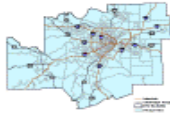
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Disability



UNIVERSITY OF MISSOURI OUTREACH & EXTENSION

Missouri Department of Transportation Socio-Economic Indicator Resource



MoDOT MPO 2 East West Gateway Coordinating Council Disability

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Maps

- [Percent Disabled, 2000](#)
- [Percent Work Disabled, 2000](#)

Tables

- [Disability, 1990-2000](#)

View Disability Maps and Tables for another MPO by choosing from the list below.

[MPO 1](#)

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Transportation



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Missouri Department of Transportation
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Maps

- [Population 16 Years or Older Mean Travel Time to Work, 2000](#)
- [Percent of Workers 16 Years or Older Driving Alone to Work, 2000](#)
- [Percent of Workers 16 Years or Older Carpooling to Work, 2000](#)
- [Percent of Workers 16 Years or Older Using Public Transportation to Work, 2000](#)
- [Percent of Workers 16 Years or Older Bicycling or Walking to Work, 2000](#)
- [Percent of Workers 16 Years or Older Working at Home, 2000](#)

Tables

- [Commuting, 1990-2000](#)

View Transportation Maps and Tables for another MPO by choosing from the list below.

[MPO 1](#)

[MPO 2](#)

[MPO 3](#)

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APPENDIX F – Corridor Study

This appendix illustrates the screen selections for the Corridor Study.


Corridor Study




Age Cohorts



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Missouri Department of Transportation
Socio-Economic Indicator Resource





MoDOT Springfield Area Highway 65 Corridor Study
Age Cohorts

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- [Map of Highway 65 Buffered Area](#)

Tables

5 Mile Radius

- [Total Population and Population by Age, 1990-2000](#)

10 Mile Radius

- [Total Population and Population by Age, 1990-2000](#)

20 Mile Radius

- [Total Population and Population by Age, 1990-2000](#)

30 Mile Radius

- [Total Population and Population by Age, 1990-2000](#)

View Corridor Studies in another Planning District by choosing from the list below.

[Dist. 1](#) [Dist. 2](#) [Dist. 3](#) [Dist. 4](#) [Dist. 5](#) [Dist. 6](#) [Dist. 7](#) [Dist. 8](#) [Dist. 9](#) [Dist. 10](#)

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Race/ Hispanic



MoDOT Springfield Area Highway 65 Corridor Study Race / Hispanic

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[Race / Hispanic](#)

[Employment Status](#)

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Maps

- [Map of Highway 65 Buffered Area](#)

Tables

5 Mile Radius

- [Race and Hispanic, 1990-2000](#)
- [Language Spoken at Home, 1990-2000](#)

10 Mile Radius

- [Race and Hispanic, 1990-2000](#)
- [Language Spoken at Home, 1990-2000](#)

20 Mile Radius

- [Race and Hispanic, 1990-2000](#)
- [Language Spoken at Home, 1990-2000](#)

30 Mile Radius

- [Race and Hispanic, 1990-2000](#)
- [Language Spoken at Home, 1990-2000](#)

View Corridor Studies in another Planning District by choosing from the list below.

[Dist. 1](#) [Dist. 2](#) [Dist. 3](#) [Dist. 4](#) [Dist. 5](#) [Dist. 6](#) [Dist. 7](#) [Dist. 8](#) [Dist. 9](#) [Dist. 10](#)

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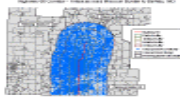
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Employment Status



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MoDOT Springfield Area Highway 65 Corridor Study Employment Status

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Maps

- [Map of Highway 65 Buffered Area](#)

Tables

5 Mile Radius

- [Employment Status, 1990-2000](#)
- [Work Force by Industry, 1990-2000](#)
- [Work Force by Occupation, 1990-2000](#)
- [Veteran and Armed Forces Status, 1990-2000](#)
- [Place of Work, 1990-2000](#)

10 Mile Radius

- [Employment Status, 1990-2000](#)
- [Work Force by Industry, 1990-2000](#)
- [Work Force by Occupation, 1990-2000](#)
- [Veteran and Armed Forces Status, 1990-2000](#)
- [Place of Work, 1990-2000](#)

20 Mile Radius

- [Employment Status, 1990-2000](#)
- [Work Force by Industry, 1990-2000](#)
- [Work Force by Occupation, 1990-2000](#)
- [Veteran and Armed Forces Status, 1990-2000](#)
- [Place of Work, 1990-2000](#)

30 Mile Radius

- [Employment Status, 1990-2000](#)
- [Work Force by Industry, 1990-2000](#)
- [Work Force by Occupation, 1990-2000](#)
- [Veteran and Armed Forces Status, 1990-2000](#)
- [Place of Work, 1990-2000](#)


View Corridor Studies in another Planning District by choosing from the list below.

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Housing Units




Missouri Department of Transportation

UNIVERSITY OF MISSOURI-COURTNEY & PERKINS

Socio-Economic Indicator Resource





MoDOT Springfield Area Highway 65 Corridor Study

Housing Units

<ul style="list-style-type: none"> AGE Race / Hispanic Employment Status Housing Units Households Income Poverty Population Educational Attainment Disability Transportation 	<p>Maps</p> <ul style="list-style-type: none"> - Map of Highway 65 Buffered Area <p>Tables</p> <p>5 Mile Radius</p> <ul style="list-style-type: none"> - Housing Unit Basics, 1990-2000 - Selected Household Characteristics, Number of Vehicles, 1990-2000 - Selected Housing Unit Characteristics, Mobile Home, Boat, RV, Van, etc., 1990-2000 - Age of Structures, 1990-2000 - Gross Rents, 1990-2000 - Gross Rent as a Percentage of Household Income, 1990-2000 - Owner Costs as a Percentage of Household Income, 1990-2000 - Housing Values, 1990-2000 <p>10 Mile Radius</p> <ul style="list-style-type: none"> - Housing Unit Basics, 1990-2000 - Selected Household Characteristics, Number of Vehicles, 1990-2000 - Selected Housing Unit Characteristics, Mobile Home, Boat, RV, Van, etc., 1990-2000 - Age of Structures, 1990-2000 - Gross Rents, 1990-2000 - Gross Rent as a Percentage of Household Income, 1990-2000 - Owner Costs as a Percentage of Household Income, 1990-2000 - Housing Values, 1990-2000 <p>20 Mile Radius</p> <ul style="list-style-type: none"> - Housing Unit Basics, 1990-2000 - Selected Household Characteristics, Number of Vehicles, 1990-2000 - Selected Housing Unit Characteristics, Mobile Home, Boat, RV, Van, etc., 1990-2000 - Age of Structures, 1990-2000 - Gross Rents, 1990-2000 - Gross Rent as a Percentage of Household Income, 1990-2000 - Owner Costs as a Percentage of Household Income, 1990-2000 - Housing Values, 1990-2000 <p>30 Mile Radius</p> <ul style="list-style-type: none"> - Housing Unit Basics, 1990-2000 - Selected Household Characteristics, Number of Vehicles, 1990-2000 - Selected Housing Unit Characteristics, Mobile Home, Boat, RV, Van, etc., 1990-2000 - Age of Structures, 1990-2000 - Gross Rents, 1990-2000 - Gross Rent as a Percentage of Household Income, 1990-2000 - Owner Costs as a Percentage of Household Income, 1990-2000 - Housing Values, 1990-2000
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View Corridor Studies in another Planning District by choosing from the list below:

[Dist. 1](#) [Dist. 2](#) [Dist. 3](#) [Dist. 4](#) [Dist. 5](#) [Dist. 6](#) [Dist. 7](#) [Dist. 8](#) [Dist. 9](#) [Dist. 10](#)

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[Return to Socio-Economic Indicator Resource Main Page](#)

Households



MoDOT Springfield Area Highway 65 Corridor Study Households

[Age](#)

[Race / Hispanic](#)

[Employment Status](#)

[Housing Units](#)

[Households](#)

[Income](#)

[Poverty](#)

[Population](#)

[Educational Attainment](#)

[Disability](#)

[Transportation](#)

Maps

- [Map of Highway 65 Buffered Area](#)

Tables

5 Mile Radius

- [Relationship of Persons in Households, 1990-2000](#)
- [Group Quarters, 1990-2000](#)
- [Lived in Same House 5 Years Earlier, 1990-2000](#)

10 Mile Radius

- [Relationship of Persons in Households, 1990-2000](#)
- [Group Quarters, 1990-2000](#)
- [Lived in Same House 5 Years Earlier, 1990-2000](#)

20 Mile Radius

- [Relationship of Persons in Households, 1990-2000](#)
- [Group Quarters, 1990-2000](#)
- [Lived in Same House 5 Years Earlier, 1990-2000](#)

30 Mile Radius

- [Relationship of Persons in Households, 1990-2000](#)
- [Group Quarters, 1990-2000](#)
- [Lived in Same House 5 Years Earlier, 1990-2000](#)

View Corridor Studies in another Planning District by choosing from the list below.

[Dist. 1](#) [Dist. 2](#) [Dist. 3](#) [Dist. 4](#) [Dist. 5](#) [Dist. 6](#) [Dist. 7](#) [Dist. 8](#) [Dist. 9](#) [Dist. 10](#)

[Return to Corridor Studies Main Page](#)

[Return to Socio-Economic Indicator Resource Main Page](#)

Income



MoDOT Springfield Area Highway 65 Corridor Study Income

Age

Race / Hispanic

Employment Status

Housing Units

Households

Income

Poverty

Population

Educational Attainment

Disability

Transportation

Maps

- [Map of Highway 65 Buffered Area](#)

- [Household Income, 1989-1999](#)

- [Other Income Measures, 1990-2000](#)

Tables

5 Mile Radius

- [Household Income, 1989-1999](#)

- [Other Income Measures, 1990-2000](#)

10 Mile Radius

- [Household Income, 1989-1999](#)

- [Other Income Measures, 1990-2000](#)

20 Mile Radius

- [Household Income, 1989-1999](#)

- [Other Income Measures, 1990-2000](#)

30 Mile Radius

- [Household Income, 1989-1999](#)

- [Other Income Measures, 1990-2000](#)

View Corridor Studies in another Planning District by choosing from the list below.

[Dist. 1](#) [Dist. 2](#) [Dist. 3](#) [Dist. 4](#) [Dist. 5](#) [Dist. 6](#) [Dist. 7](#) [Dist. 8](#) [Dist. 9](#) [Dist. 10](#)

[Return to Corridor Studies Main Page](#)

[Return to Socio-Economic Indicator Resource Main Page](#)

Poverty



**Missouri Department of Transportation
Socio-Economic Indicator Resource**



**MoDOT Springfield Area Highway 65 Corridor Study
Poverty**

Age

Race / Hispanic

Employment Status

Housing Units

Households

Income

Poverty

Population

Educational Attainment

Disability

Transportation

Maps
- [Map of Highway 65 Buffered Area](#)

Tables
5 Mile Radius
- [Poverty, 1990-2000](#)
10 Mile Radius
- [Poverty, 1990-2000](#)
20 Mile Radius
- [Poverty, 1990-2000](#)
30 Mile Radius
- [Poverty, 1990-2000](#)

View Corridor Studies in another Planning District by choosing from the list below.
[Dist. 1](#) [Dist. 2](#) [Dist. 3](#) [Dist. 4](#) [Dist. 5](#) [Dist. 6](#) [Dist. 7](#) [Dist. 8](#) [Dist. 9](#) [Dist. 10](#)

[Return to Corridor Studies Main Page](#)

[Return to Socio-Economic Indicator Resource Main Page](#)

Population



MoDOT Springfield Area Highway 65 Corridor Study Population

[Age](#)

[Race / Hispanic](#)

[Employment Status](#)

[Housing Units](#)

[Households](#)

[Income](#)

[Poverty](#)

[Population](#)

[Educational Attainment](#)

[Disability](#)

[Transportation](#)

Maps

- [Map of Highway 65 Buffered Area](#)

Tables

5 Mile Radius

- [Total Population and Population by Age, 1990-2000](#)

10 Mile Radius

- [Total Population and Population by Age, 1990-2000](#)

20 Mile Radius

- [Total Population and Population by Age, 1990-2000](#)

30 Mile Radius

- [Total Population and Population by Age, 1990-2000](#)

View Corridor Studies in another Planning District by choosing from the list below.

[Dist. 1](#) Dist. 2 Dist. 3 Dist. 4 Dist. 5 Dist. 6 Dist. 7 [Dist. 8](#) Dist. 9 Dist. 10

[Return to Corridor Studies Main Page](#)

[Return to Socio-Economic Indicator Resource Main Page](#)

Educational Attainment



UNIVERSITY OF MISSOURI OUTREACH & EXTENSION

Missouri Department of Transportation
Socio-Economic Indicator Resource



MoDOT Springfield Area Highway 65 Corridor Study Educational Attainment

[Age](#)

[Race / Hispanic](#)

[Employment Status](#)

[Housing Units](#)

[Households](#)

[Income](#)

[Poverty](#)

[Population](#)

[Educational Attainment](#)

[Disability](#)

[Transportation](#)

Maps

- [Map of Highway 65 Buffered Area](#)

- [Educational Attainment, 1990-2000](#)

Tables

5 Mile Radius

- [Educational Attainment, 1990-2000](#)

10 Mile Radius

- [Educational Attainment, 1990-2000](#)

20 Mile Radius

- [Educational Attainment, 1990-2000](#)

30 Mile Radius

- [Educational Attainment, 1990-2000](#)

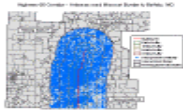
View Corridor Studies in another Planning District by choosing from the list below.

[Dist. 1](#) [Dist. 2](#) [Dist. 3](#) [Dist. 4](#) [Dist. 5](#) [Dist. 6](#) [Dist. 7](#) [Dist. 8](#) [Dist. 9](#) [Dist. 10](#)

[Return to Corridor Studies Main Page](#)

[Return to Socio-Economic Indicator Resource Main Page](#)

Disability



MoDOT Springfield Area Highway 65 Corridor Study Disability

Age

Race / Hispanic

Employment Status

Housing Units

Households

Income

Poverty

Population

Educational Attainment

Disability

Transportation

Maps

- [Map of Highway 65 Buffered Area](#)

Tables

5 Mile Radius

- [Disability, 1990-2000](#)

10 Mile Radius

- [Disability, 1990-2000](#)

20 Mile Radius

- [Disability, 1990-2000](#)

30 Mile Radius

- [Disability, 1990-2000](#)

View Corridor Studies in another Planning District by choosing from the list below.

[Dist. 1](#) [Dist. 2](#) [Dist. 3](#) [Dist. 4](#) [Dist. 5](#) [Dist. 6](#) [Dist. 7](#) [Dist. 8](#) [Dist. 9](#) [Dist. 10](#)

[Return to Corridor Studies Main Page](#)

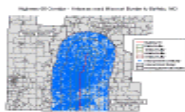
[Return to Socio-Economic Indicator Resource Main Page](#)

Transportation



UNIVERSITY OF MISSOURI OUTREACH & EXTENSION

Missouri Department of Transportation
Socio-Economic Indicator Resource



MoDOT Springfield Area Highway 65 Corridor Study Transportation

Age

Race / Hispanic

Employment Status

Housing Units

Households

Income

Poverty

Population

Educational Attainment

Disability

Transportation

Maps

- [Map of Highway 65 Buffered Area](#)

Tables

5 Mile Radius

- [Commuting, 1990-2000](#)

10 Mile Radius

- [Commuting, 1990-2000](#)

20 Mile Radius

- [Commuting, 1990-2000](#)

30 Mile Radius

- [Commuting, 1990-2000](#)

View Corridor Studies in another Planning District by choosing from the list below.

[Dist. 1](#) [Dist. 2](#) [Dist. 3](#) [Dist. 4](#) [Dist. 5](#) [Dist. 6](#) [Dist. 7](#) [Dist. 8](#) [Dist. 9](#) [Dist. 10](#)

[Return to Corridor Studies Main Page](#)

[Return to Socio-Economic Indicator Resource Main Page](#)

APPENDIX G – Understanding the US Census PowerPoint Presentation

This appendix contains the PowerPoint handout that was distributed during the first session of the Training Session

MoDOT Socio-Economic Indicator Resource

Understanding the U.S. Census

Jefferson City
February 10, 2003

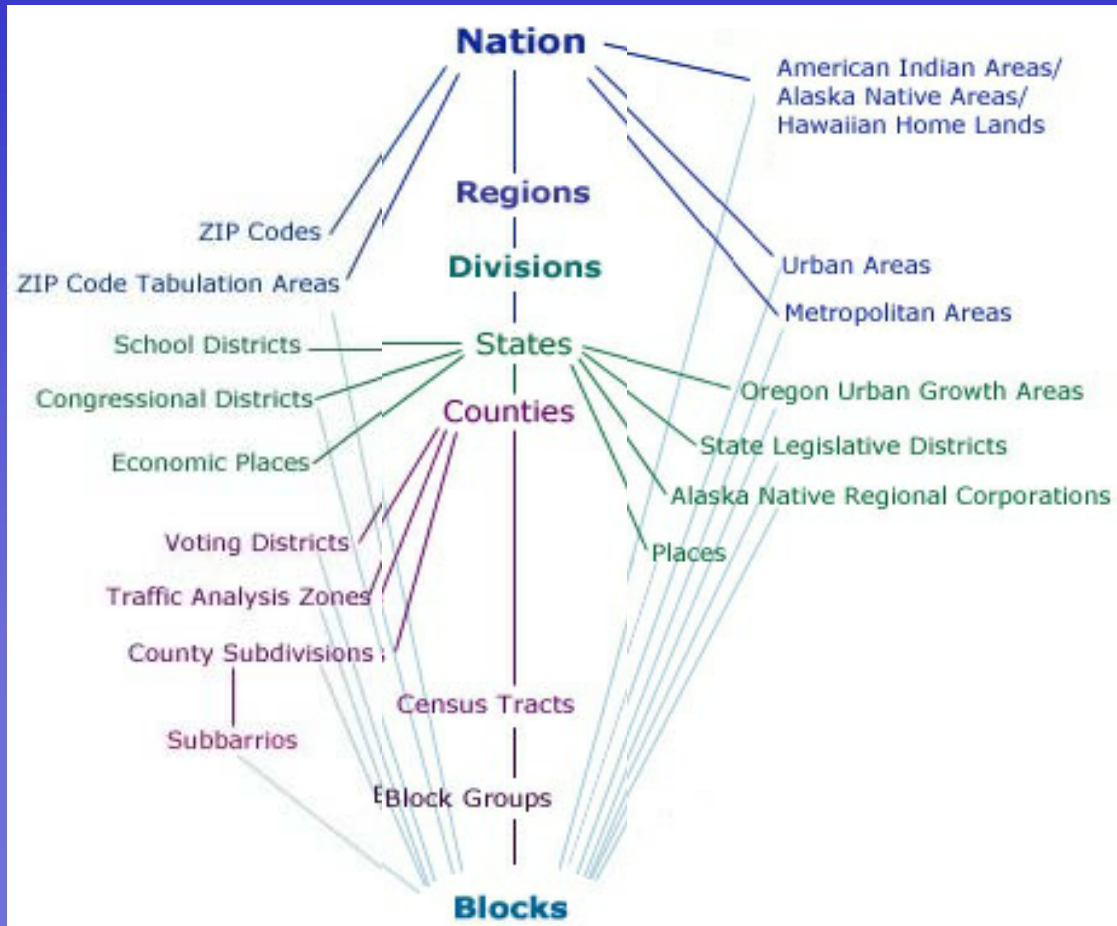
osedata.missouri.edu/modot

Office of Social & Economic Data Analysis

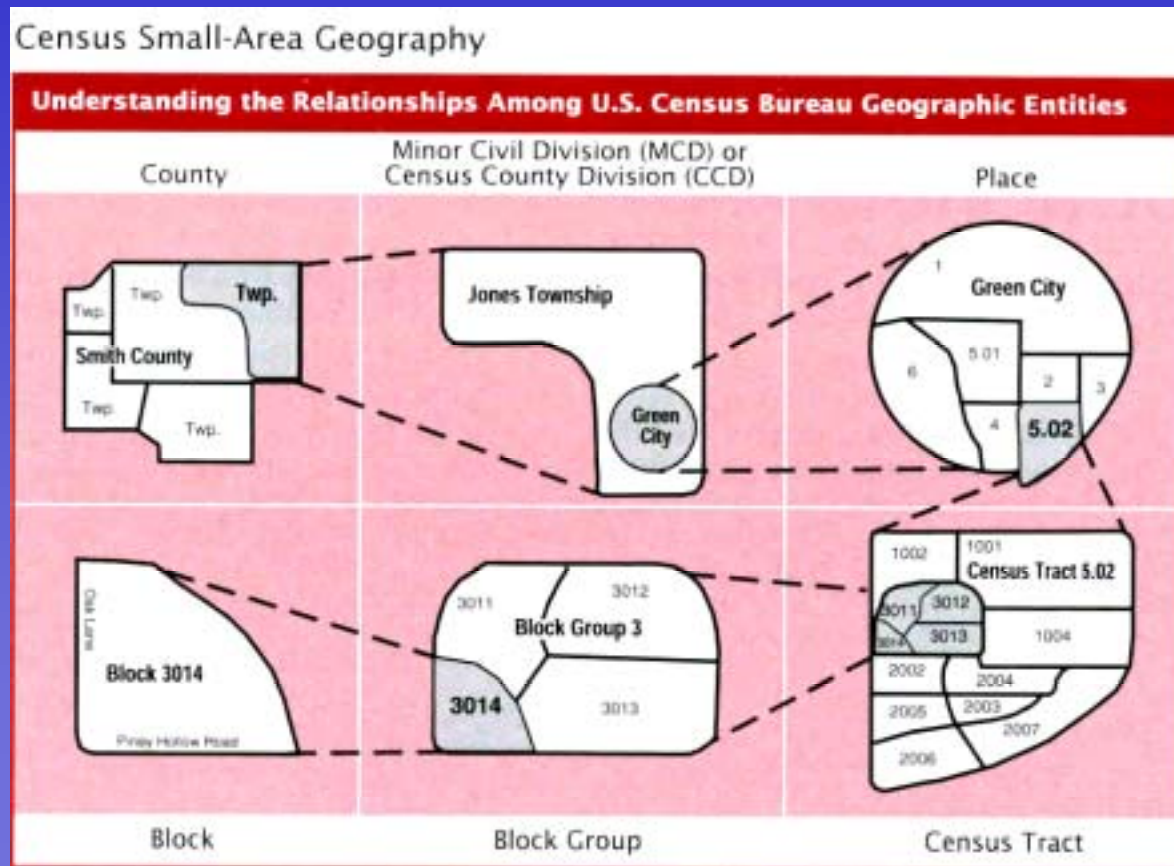


U S C E N S U S B U R E A U

Geographic Hierarchy



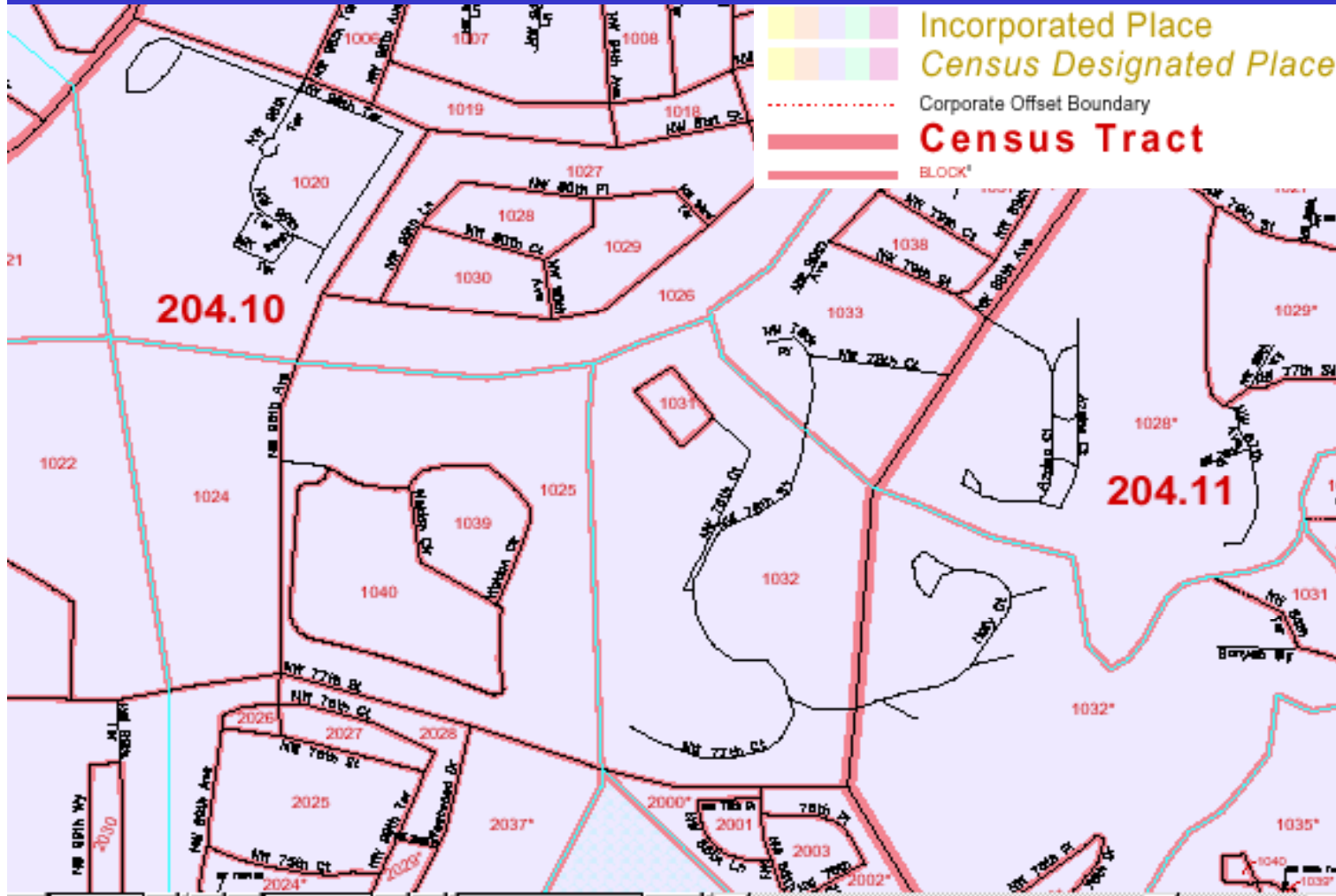
Small-Area Geography Overview



Blocks

- Smallest units of data tabulation
- Cover the entire nation
- Do not cross census tracts or counties
- Generally bounded by visible features and legal boundaries
- Block numbers completely different from 1990
- Size: average about 100 people

Census Block Map



Block Groups

- Groups of blocks sharing the same first digit
- Smallest areas for which sample data available
- Size: optimally 1,500 people, range between 300 to 3,000

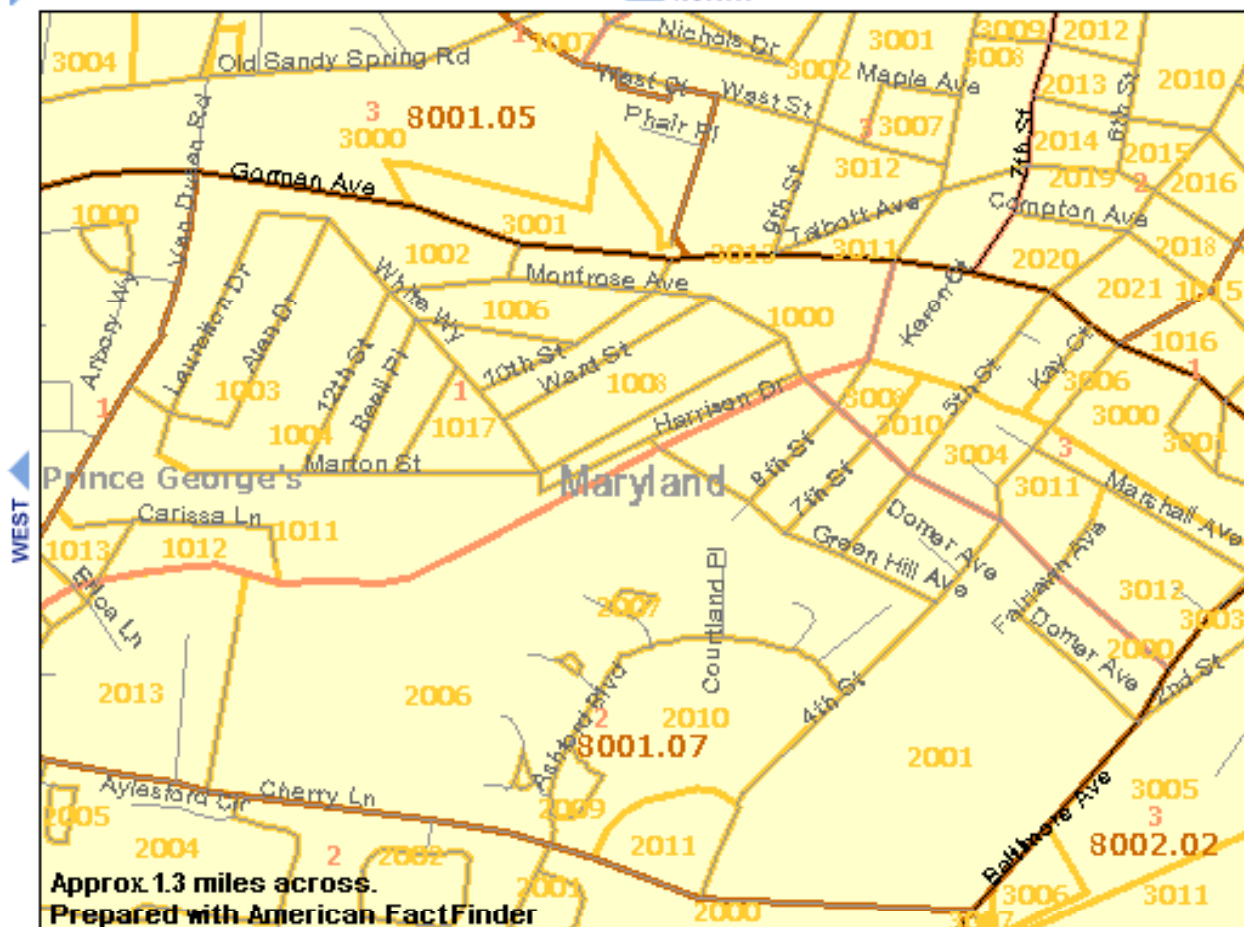
Census Tracts

- For the first time for Census 2000: Cover the nation
- Relatively homogenous population characteristics
- 65,000 Census tracts across U.S.
- Size: optimally 4,000 people, range between 1,000 and 8,000

Block Groups and Census Tracts

Legend

- Boundaries**
-  State
 -  00 County
 -  00 Census Tract
 -  00 Block Group
 -  00 Block
- Features**
-  Major Road
 -  Street



Places

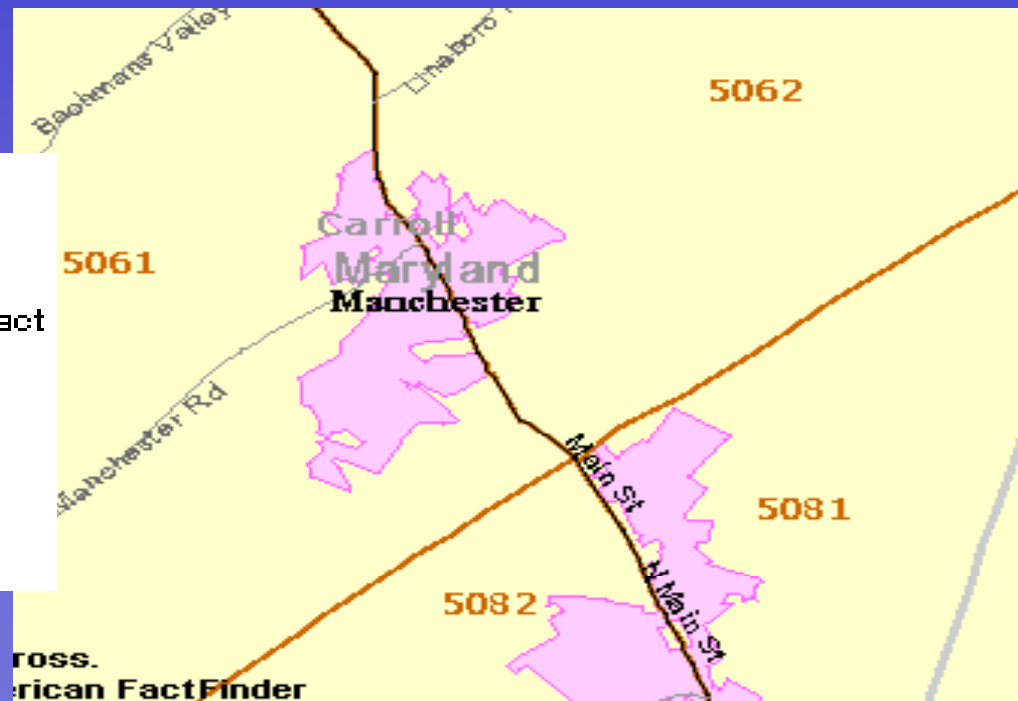
- Incorporated Places
- Census Designated Places

Boundaries

- State
- County
- Census Tract
- Place
- Place

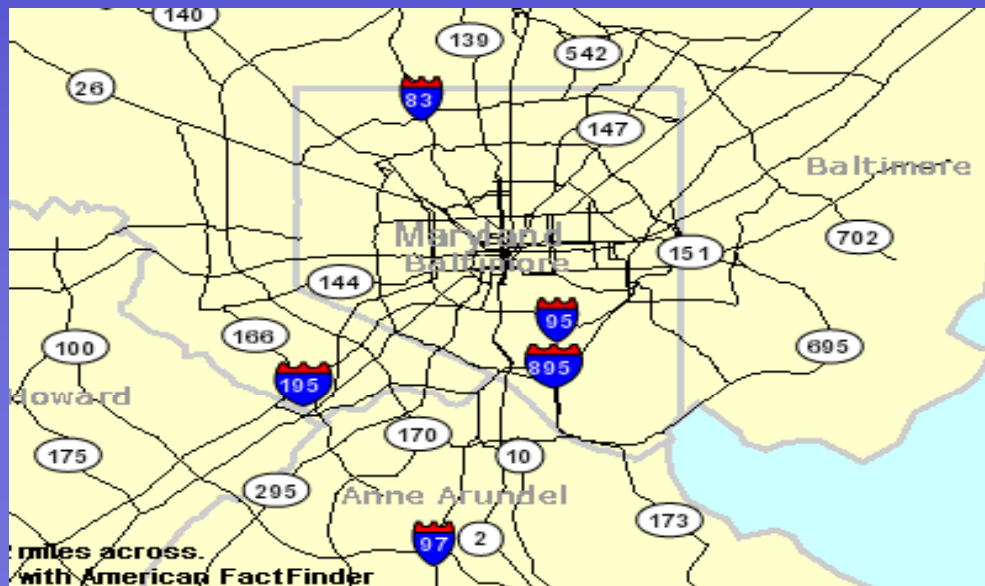
Features

- Major Road
- Street

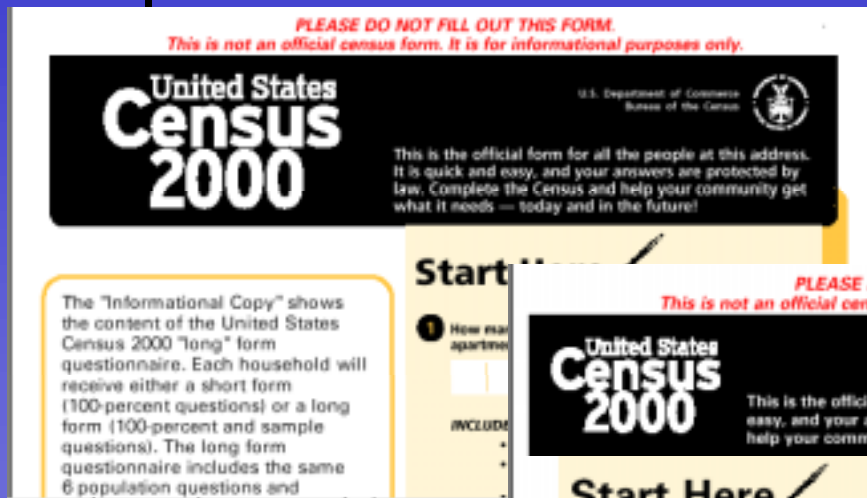


Counties

- Counties in 48 States
- Independent Cities in 4 States
- Parishes in Louisiana
- Cities and Boroughs in Alaska



Census 2000 Short Form and Long Form



Short form



Long form

U.S. CENSUS BUREAU

The Census Questionnaire

- 100% data or short form
 - 7 questions
- Sample data or long form
 - 34 topics



Census 2000 Short Form Questionnaire

7 Questions

Name

Sex

Age

Relationship

Hispanic Origin

Race

Owner/Renter Status

U S C E N S U S B U R E A U

Hierarchy - Summary File 1: State File Summary Levels

State

County

Place (or place part)

Census tract

Block group

Block

State portion of American Indian and Alaska
Native Area (with trust lands and with no
trust lands) and Hawaiian home land

Race and Ethnic Detail Block Level

- Total population
- White
- Black or African American
- American Indian and Alaska Native
- Asian
- Native Hawaiian and Other Pacific Islander
- Some other race
- Two or more races
- Hispanic or Latino
- White, not Hispanic or Latino

Examples of SF1 Tabulations

Housing Tabulations

Housing Units

Occupancy Status

Owner-/Renter-Occupied

Tenure by Race, by Hispanic or Latino

Group Quarters Population

- Institutionalized populations
 - Correctional institutions
 - Nursing homes
 - Other institutions
- Noninstitutionalized populations
 - College dormitories
 - Military quarters
 - Other noninstitutional group quarters

Census 2000 Sampling Pattern



For the U.S. as a whole, about one in six households received the long-form questionnaire.

Census 2000 Long Form Questionnaire

34 Subjects

- Social Characteristics
- Economic Characteristics
- Housing Characteristics

Summary File 3: What's In It?

- Data tabulated from Census 2000 Long Form (Sample data)
- Data on ancestry, income, education, housing units, etc.
- Selected population and housing characteristics down to the block group or census tract level

Population Subjects Summarized to Block Group

- Basic Population
- Disability
- Employment Status
- Households & Families
- Income
- Occupation
- Commuting
- Language Spoken
- Marital Status
- Migration
- Birthplace, Year of Entry, Citizenship
- Place of Work
- Poverty
- School Enrollment & Educ. Attainment
- Veteran Status

U S C E N S U S B U R E A U

Population Subjects Summarized to Block Group

Iterated by Race/Hispanic

- Basic Population Totals
- Employment Status
- Households and Families
- Income
 - (Family, Household, Individual)
- Poverty Status
- School Enrollment & Educational Attainment

U S C E N S U S B U R E A U

Population Subjects Summarized to Census Tract

- Ancestry
- Disability
- Employment Status
- Grandparents as Caregivers
- Households and Families
- Income (Family, Nonfamily, Indiv)
- Language Spoken
- Marital Status
- Migration
- Birthplace, Year of Entry, Citizenship
- Poverty Status
- School Enrollment and Educational Attainment

U S C E N S U S B U R E A U

Census 2000 Long Form Questionnaire

34 Subjects

- Social Characteristics
- Economic Characteristics
- Housing Characteristics

U S C E N S U S B U R E A U

Summary File 3: What's In It?

- Data tabulated from Census 2000 Long Form (Sample data)
- Data on ancestry, income, education, housing units, etc.
- Selected population and housing characteristics down to the block group or census tract level

Disability

Revised Question

- Vision or hearing impairment
- Mobility limitation
- Condition that limits:
 - Learning or remembering
 - Getting around house
 - Getting around outside
 - Working

Tables: P41-P42; PCT26-PCT34



Employment Status

- At work
- Laid off or absent
- Looking for work

**Tables: P43-P48; P150(A-I)
PCT35; PCT69(A-I)-
PCT71(A-I)**



U S C E N S U S B U R E A U

Income

8 Sources

- Wages and salary
- Self employment
- Interest, dividends and rental income
- Social security and railroad retirement
- Supplemental security income
- Public assistance or welfare
- Retirement, survivor or disability pension
- Child support, alimony, unemployment, etc.

Total Income

Income

Tabulation Groupings

- Family and Nonfamily
 - Tables: P76-P81; P154(A-I)-P156(A-I); PCT36-PCT43
- Household
 - Tables: P52-P75; P151(A-I)-P153(A-I); PCT72(A-I)
- Individual
 - Tables: P82-P86; P157(A-I)-P158(A-I); PCT44-PCT48; PCT73(A-I)-PCT74(A-I)

Income: Poverty

- Poverty status derived from answers to income questions

Tabulation Groupings

- Family and Nonfamily
 - Tables: P90-P91; P154(A-I)-P156(A-I); PCT36-PCT43
- Household
 - Tables: P92-P93; P151(A-I)-P153(A-I); PCT72(A-I)
- Individuals
 - Tables: P87-89; P157(A-I)-P158(A-I); PCT44-PCT48; PCT73(A-I)-PCT74(A-I)

Occupation, Industry and Class of Worker

- Kind of Business or Industry
- Occupation
- Year last worked
- Class of worker:
 - Private for profit, Private not-for profit,
 - Local, state or federal government employee
 - Self employed: incorporated/not incorporated
 - Working without pay

Tables: P49-P51

Place of Work & Journey to Work

- Location of work last week
- Mode of transportation to work
- Vehicle occupancy, if car truck or van
- Time left for work
- Travel time to work

Tables: P26-P35; PCT65(A-I)



School Enrollment and Educational Attainment

- Enrollment: public or private school
- Grade or level attending
- Highest degree or level of school completed

Tables: P36-P38; P147(A-I)–P149(A-I); PCT23-PCT25

Housing Subjects

- Units in Structure
- Year Built
- Rooms
- Year Householder Moved In
- Rent/Value
- House Heating Fuel
- Vehicles Available
- Mortgage Status and Monthly Costs
- Plumbing and Kitchen Facilities
- Telephone Service
- Occupants Per Room

Tenure and Vacancy Status

- Owner/Renter status
- Occupied/ Vacant units
- Many housing tables cross-tabulated by tenure



Units in Structure

Type of housing unit (detached house, townhouse, apartment, mobile home, etc.)

Tables: H30-H33, H72, H79; HCT3, HCT4, HCT6, HCT8, HCT14, HCT30(A-I)

Housing Value or Monthly Rent

- Value: How much do you think this house and lot, apartment , or mobile home and lot would sell for?
 - Tables: H74-H79, H81-H89; HCT17, HCT41(A-I)-HCT43(A-I)
- Rent: What is the monthly rent? Also asks if rent includes meals.
 - Tables: H53-H73; HCT18, HCT36(A-I)-HCT40(A-I)

Vehicles Available

- Any vehicles under one-ton capacity for use by members of household

Tables: H44-H46; HCT33(A-I)

VEHICLES AVAILABLE		
None	10,861,067	10.3
1	36,123,613	34.2
2	40,461,920	38.4
3 or more	18,033,501	17.1

Mortgage Status and Selected Monthly Owner Costs

Cost of

- Utilities
- First and second mortgage
- Taxes insurance
- Fuel costs

Tables: H80, H83, H90-H98; HCT13, HCT44(A-I)-HCT48(A-I)



APPENDIX H – Using the Website PowerPoint Presentation

This appendix contains the PowerPoint handout that was distributed during the second session of the Training Session.

MoDOT Socio-Economic Indicator Resource

Using the Website

Jefferson City
February 10, 2003

osedamissouri.edu/modot

presented by:

Office of Social & Economic Data Analysis



MoDOT Socio-Economic Indicator Resource

Geographies



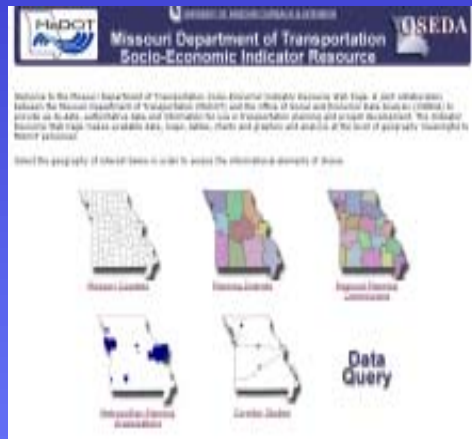
Counties Districts RPCs MPOs Corridors

US Census
MO Agencies
Special Reports

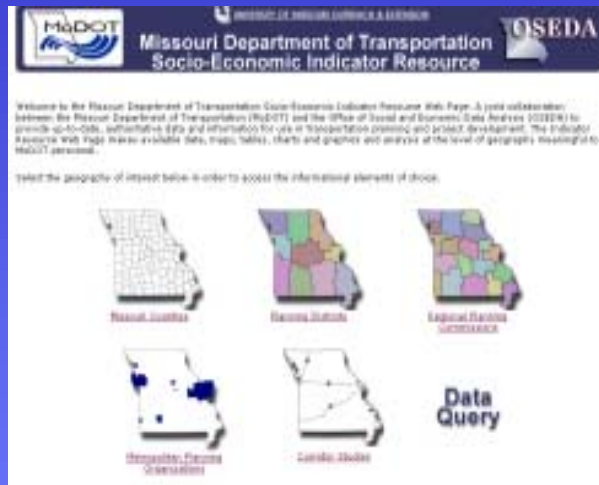
Population
Age
Race/Hispanic
Employment Status
Housing Units
Households
Income
Poverty
Educational Attainment
Disability
Transportation

Requested
Data

Data Query



Layer 1: Home Page



The entry page allows the user one of six navigational options:

Geographies

- Counties
- Regional Districts
- RPCs
- MPOs
- Corridor Studies

Downloadable Data Sets

- MoDOT database

Layer 2: Missouri Counties Page



County level data are available through the MCDC/OSEDA County Data page.

To access 2000 US census data organized by standard census tables, and special reports click on selected county.

Layer 3: County Report Menu



For each Missouri county links are provided in a number of formats to the following data sources:

Federal Sources

- US Census tables
DP1-4
SF1, SF3 (2000,1990)
- Census of Agriculture
- County Business Patterns
- Bureau of Econ. Analysis

State Sources

- MICA
- Kidscount
- DESE
- DED

Layer 2: MoDOT Regional District Page



District and sub-district level US Census data are available as tables, maps, and graphics.

To view information, click on selected region.

Layer 3: Regional Indicators



Indicators are organized by the following categories:

- Analysis
- Age
- Race/Hispanic
- Employment Status
- Housing Units
- Households
- Income
- Poverty
- Population
- Educational Attainment
- Disability
- Transportation

Layer 4: Regional Indicators

The screenshot shows a web page titled "Missouri Department of Transportation Socio-Economic Indicator Resource" with the MDOT and USEDA logos. The main heading is "MDOT Planning District 1 Northwest of St. Joseph Age Cohorts". The page is organized into several sections:

- Analysis**: Includes links for "Maps" (e.g., "Percent of Total Population by Age Cohort, By County, 2000", "Change in Total Population by Age Cohort, By County, 1990-2000", "Percent Change of Total Population by Age Cohort, By County, 1990-2000").
- Age**: Includes links for "Charts" (e.g., "Change in Population by Selected Age Cohorts, 1990-2000", "Percent Change by Selected Age Cohorts, 1990-2000").
- Demographic Statistics**: Includes links for "Tables by County within MDOT Planning District 1" (e.g., "Population Age Under 5 Years and Age 5 to 17 Years, 1990-2000", "Population Age 18 to 24 Years and Age 25 to 34 Years, 1990-2000", "Population Age 35 to 44 Years and Age 45 to 54 Years, 1990-2000", "Population Age 55 to 64 Years and 65 Years and Older, 1990-2000").
- Housing Units**
- Households**
- Income**
- Unemployment**
- Population**
- Education of Attainment**
- Unemployment**
- Immigration**

At the bottom, there is a navigation bar with links: "View Age Tables, Graphs and Analysis for another Planning District by choosing from the list below: DM1_1 DM1_2 DM1_3 DM1_4 DM1_5 DM1_6 DM1_7 DM1_8 DM1_9 DM1_10". Below this is a "Return to Socio-Economic Indicator Resource Home Page" link and contact information for Laura R. Ruffalo, MDTA (lrruffalo@mdot.mo.gov), and a footer note: "This page last modified August 20, 2003".

For each indicator, selected characteristics are available in html format. Links at the bottom of the page provide access to other districts by indicator.

Layer 2: RPC Page



Regional Planning Commission and sub-RPC level US Census data are available as tables, maps, and graphics.

To view information, click on selected RPC.

Layer 3: RPC Indicators



Indicators are organized by the following categories:

- Age
- Race/Hispanic
- Employment Status
- Housing Units
- Households
- Income
- Poverty
- Population
- Educational Attainment
- Disability
- Transportation

Layer 2: MPO Page



Metropolitan Planning Organization and sub-MPO level US Census data are available as tables, maps, and graphics.

To view information, click on selected MPO.

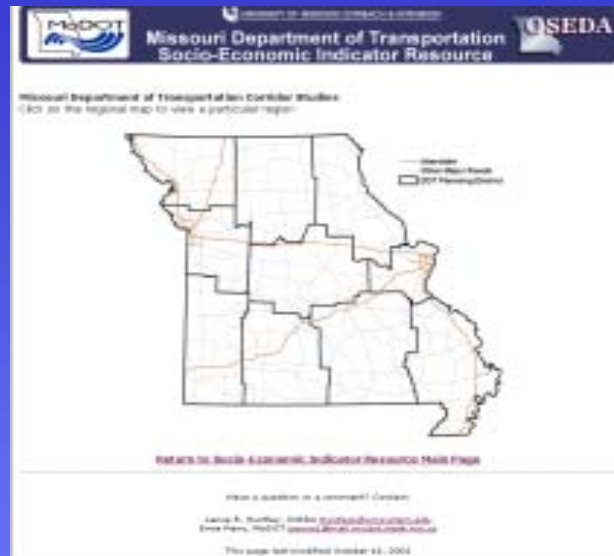
Layer 3: MPO Indicators



Indicators are organized by the following categories:

- Age
- Race/Hispanic
- Employment Status
- Housing Units
- Households
- Income
- Poverty
- Population
- Educational Attainment
- Disability
- Transportation

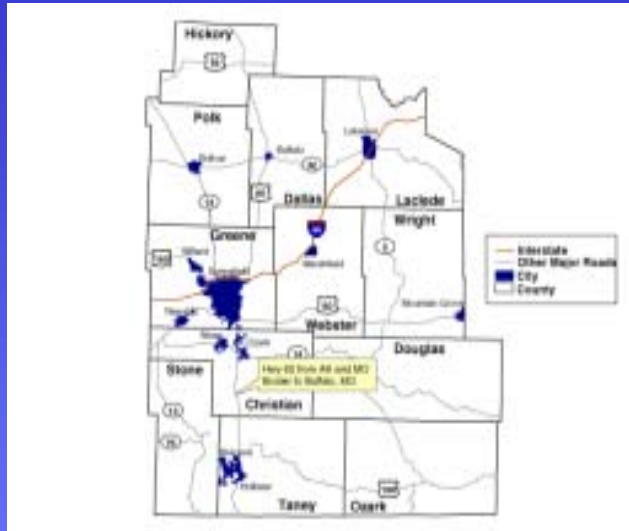
Layer 2: Corridor Page



From the MoDOT Corridor page, select a Regional District to see current and archived corridor studies.

Corridor studies include tables and maps of requested socio-economic indicators.

Layer 3: Regional Corridor Page



Yellow tags indicate the name and location of Corridor studies in a Regional District. Clicking on a yellow tag links to maps and selected indicator data for that Corridor study.

Layer 4: Buchanan County – Rte. 59 Study



The specific corridor study page displays;

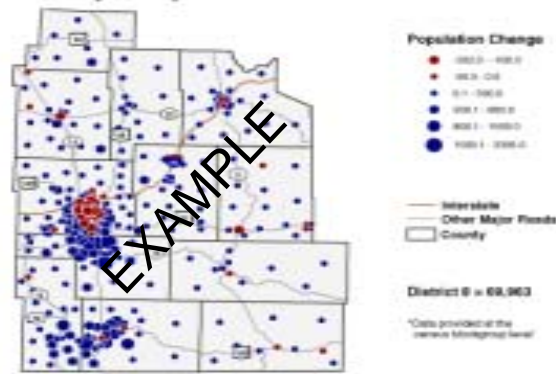
- a map of the corridor
- the corridor's buffer zone
- census blocks
- census block centroids

Requested socio-economic indicators can be displayed via map as well as in other graphic forms.

Tools for Using Indicators' Graphics

Based on estimates provided through the MoDOT Socio-Economic Indicators Resource, Dallas County exhibits growth rates similar to other areas in the southwest region of the state. The 2000 population of the county was 15,661, up from 12,646 in 1990 and a 23.8% increase. Map 1 displays this increase.

Map 1. MoDOT Planning District 8 Change in Total Population, by County*, 1990 - 2000



While population growth increased significantly in the 1990's, the population characteristics remained relatively stable in regard to racial composition, economic characteristics, age, and housing values.

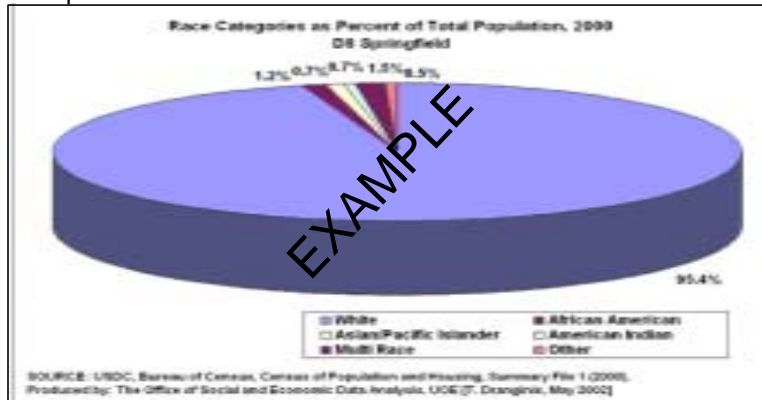
To insert a map or chart from the MoDOT Socio-Economic Indicator Resource into a Microsoft Office document;

- Right click on the image.
- Select 'Save picture as'.
- Save .gif image to folder.
- Open document to be placed in.
- Position cursor where .gif image is to be inserted.
- Select drop down 'Insert' menu.

Tools for Using Indicators

When compared to statewide and district wide demographics, the population in the project area and surrounding county has a more homogeneously white population, lower average income, lower housing costs and values, and higher unemployment.

Graph 1.



Graph 1 indicates the population as distributed by race categories.
Income

Directions for inserting graphics continued.

- Select 'picture'
- Select 'from file'
- Navigate to folder where .gif was placed
- Select file
- Click 'Insert'
- To edit in MSWord
 - Right click mouse and choose 'edit'. This allows manipulation of size & placement on page.
- To edit in MSPowerpoint
 - Left click mouse. This highlights image and allows manipulation.

APPENDIX I – Using the MoDOT SEIR Data Query Application PowerPoint

This appendix contains the PowerPoint handout that was distributed during the third session of the Training Session.

MoDOT Socio-Economic Indicator Resource

Using the MoDOT SEIR
Data Query Application

Jefferson City
February 10, 2003

osedata.missouri.edu/modot

presented by:

Office of Social & Economic Data Analysis



MoDOT SEIR Data Query Application



Welcome to the Missouri Department of Transportation Socio-Economic Indicator Resource Web Page. A joint collaboration between the Missouri Department of Transportation (MoDOT) and the Office of Social and Economic Data Analysis (OSEDA) to provide up-to-date, authoritative data and information for use in transportation planning and project development. The Indicator Resource Web Page makes available data, maps, tables, charts and graphics and analysis at the level of geography meaningful to MoDOT personnel.

Select the geography of interest below in order to access the informational elements of choice.



[Missouri Counties](#)



[Planning Districts](#)



[Regional Planning Commissions](#)



[Metropolitan Planning Organizations](#)



[Corridor Studies](#)

Data Query

SEIR Data Query

The screenshot shows the SEIR Data Query application interface. At the top, it features the logos for MoDOT and OSEDA, along with the text "Missouri Department of Transportation Socio-Economic Indicator Resource". Below this, there are several sections for user input:

- Section 1:** "Please select the geographic area to be analyzed and the roadway with." It includes a dropdown menu for "Geographic Area" and a text input field for "Roadway Number".
- Section 2:** "Please select the social/economic data to be included in the data." It features a list of checkboxes for various indicators such as "Population", "Income", "Education", etc.
- Section 3:** "Please specify the type of data to be returned." It includes a dropdown menu for "Data Type" and a text input field for "Data Format".
- Section 4:** "Please select the geographic area to be used for the data." It includes a dropdown menu for "Geographic Area" and a text input field for "Roadway Number".
- Section 5:** "Please select the data to be returned." It includes a dropdown menu for "Data Type" and a text input field for "Data Format".

At the bottom, there are buttons for "Print Report" and "Reset Controls".

The SEIR Data Query application allows users to filter through social and economic datasets and retrieve data from them.

This application outputs to several file types: a .csv file for use with excel, a .sas dataset, and in .html format for direct viewing on the world wide web.

Part I: Selecting Units of Analysis

The screenshot shows the 'Missouri Department of Transportation Socio-Economic Indicator Resource' web application. At the top, there are logos for MoDOT, the University of Missouri, and OSEDA. Below the logos, the text reads 'Missouri Department of Transportation Socio-Economic Indicator Resource'. The page is titled 'MoDOT Data Access Application' and 'Version 1.0'. A section titled 'Part I: REQUIRED options: the geographic area (universe) and the necessary units:' contains two main steps. The first step is 'Select the geographic area of interest', which is a dropdown menu currently showing 'One or more counties'. The second step is 'Select the kind of geographic units for which you want to see data'. Below this step is a list of options: 'County or independent city', '2000 Census Tract', '2000 Block Group', 'City (place)', 'MCO', 'MPO (Missouri, IA, & KC only)', 'RPC', 'MoDOT Planning District', and 'State (MO)'. A small note below the list states: 'By default, you will get data for ALL the units of the kind specified which fall totally or partially within the specified universe. For some unit types (all except state by and place) you can select specific (rather than all) units you want to see from the selection lists in Part II, below.'

The Data Query application begins by selecting the geographic *area* of interest. This is also referred to as the *universe*.

Upon selecting the geographic area of interest, the user then selects the *type* of geographic units for which to see data.

Part II: Select Geographic Areas

Part II: Select Geographic Area(s) to Be Used As Interest or Summary Units

If you specified the area of interest as "One or more ..." administrative units (in Part I, above), then specify which one (or more) on the appropriate select menu, below. Similarly, if you specified one of these entities as your summary unit then you can select which specific ones you are interested in.

MPOs	MoDOT Districts	RPCs
ALL Columbia Area Transportation Study Organization (CATSO) East-West Gateway Coordinating Council (EWGOC) Capital Area Metropolitan Planning Organization (CAMPO) Joplin Area Transportation Study Organization (JATSO) Mid-America Regional Council (MARC) Springfield Area Transportation Study Organization (SATSO) St. Joseph Area Transportation Study Organization (SJATSO) Non-MPO area	ALL 01 Northwest / St. Joseph 02 North Central / Macon 03 Northeast / Hannibal 04 Kansas City Area 05 Central / Jefferson City 06 St. Louis Area 07 Southwest / Joplin 08 Springfield Area 09 South Central / Willow Springs 10 Southwest / Sikeston	ALL 01 Boonville RPC 02 Bootheel Reg. Planning/Econ Dev. Council 03 E-W Gateway Coordinating Council (St. Louis) 04 Green Hills Reg. Planning Comm. 05 Kaysinger Beers Reg. Planning Comm. 06 Lake of the Ozarks Ctd. of Loc. Govts. 07 Mark Twain Reg. Council of Govts. 08 Maramec Reg. Planning Comm. 09 Mid-America Regional Council (MARC) 10 Midwestern Council of Govts.

County

State (used only when kind of unit is MPO area)

ALL --ALL Missouri Counties-- Adair County Andrew County	ALL Missouri Illinois Kansas
---	---------------------------------------

Part 2 allows the user to further filter the query on the geographic area that was selected for analysis.

Ex. Selecting one specific county, Adair. If we had chosen MPOs, we would get data at the specified geography of interest for all of the MPOs.

Part III: Choose Tables, Times, Output

Part III: Choose Table(s), Time(s) and Kind(s) of Output

Select the Demographic Table(s) of Interest	Specify Time(s)	Specify the Kind(s) of Output You Would Like
8. Educational Attainment	2000 only	<input checked="" type="checkbox"/> csv file (comma-delimited)
9. Veteran and Armed Forces Status	1990 only	<input type="checkbox"/> SAS dataset (requires SAS viewer)
10. Disability	Both yrs separately	<input checked="" type="checkbox"/> HTML formatted report
11. Employment Status	Both yrs merged (trends)	

There are 25 tables with subset data inside the MoDOT Social and Economic Indicator Resource. 1990 and 2000 data are available for trend analysis.

There are 3 data output types: .csv file for use with spreadsheet and GIS software; .sas for use with statistical or database software and .html for immediate viewing on the world wide web.

Output Selection

MoDOT Data Extraction Results

modotda program, revised 1/15/2003 1:19PM
Processing started at 23:36:46 on 26JAN03
Job ID: 26JAN2336687

As we generate the specified output files you can click on the hyperlinks below to view/retrieve the results.

csv file for year 2000: [place2000.csv](#)

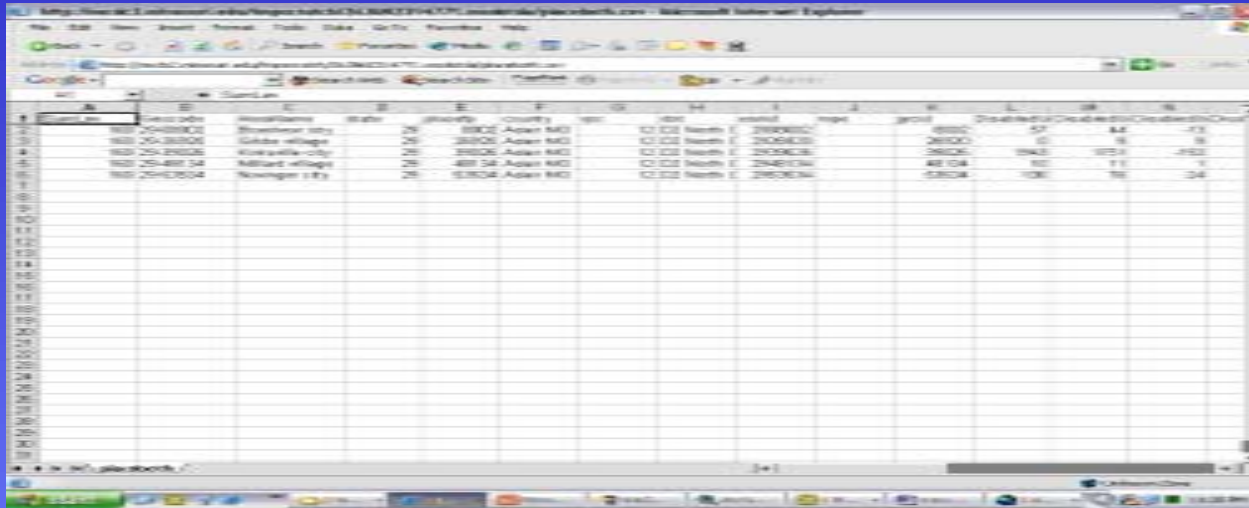
SAS dataset for year 2000: [place2000.sas7bdat](#)

Demographic profile report for 2000: [place2000.html](#)

*** Processing Complete ***

Upon selecting the appropriate parameters and submitting the selection, the SAS application is invoked, and the various types of output formats that had been previously selected are now made accessible.

CSV Format

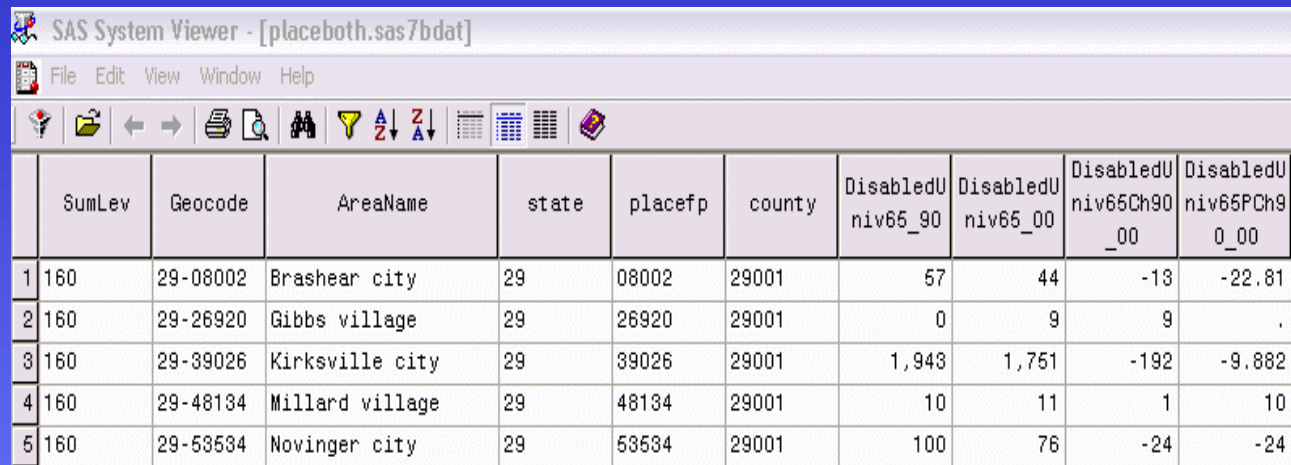


The image shows a screenshot of a web browser displaying a CSV file. The data is presented in a spreadsheet format with columns and rows. The columns are labeled with letters A through S. The data includes numerical values, text labels, and geographical information.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	100	2010001	Shelburne city	20	2000	Adams MO	E 020	North E	2000000	2000	50	44	-13						
2	100	2010002	Center village	20	2000	Adams MO	E 020	North E	2000000	2000	50	8	-13						
3	100	2010003	Kirkville city	20	2000	Adams MO	E 020	North E	2000000	2000	50	100	-13						
4	100	2010004	Millard village	20	400	Adams MO	E 020	North E	2000000	400	104	11	-13						
5	100	2010005	Springer city	20	1000	Adams MO	E 020	North E	2000000	1000	100	10	-13						

The .csv format is useful for working in a spreadsheet. It is also a useful format for working with Access or ArcView 8.x

SAS Format



SAS System Viewer - [placeboth.sas7bdat]

File Edit View Window Help

Icons: Home, Back, Forward, Print, Find, Filter, Sort, Grid, Refresh

	SumLev	Geocode	AreaName	state	placefp	county	DisabledU niv65_90	DisabledU niv65_00	DisabledU niv65Ch90 _00	DisabledU niv65PCh9 0_00
1	160	29-08002	Brashear city	29	08002	29001	57	44	-13	-22.81
2	160	29-26920	Gibbs village	29	26920	29001	0	9	9	.
3	160	29-39026	Kirksville city	29	39026	29001	1,943	1,751	-192	-9.882
4	160	29-48134	Millard village	29	48134	29001	10	11	1	10
5	160	29-53534	Novinger city	29	53534	29001	100	76	-24	-24

The .sas format is useful for statistical applications like SAS or SPSS. There are virtually no limitations on the number of columns and rows that can be in the dataset.




HTML Format

MODOT Demographic Profile - 2000
Kirksville city , 29-39026
Selected Tables: 10
[Next](#)

Subject	Number	Percent	SF3 Table
10. Disability			
Universe: Civilian Non-Institutionalized Persons Over 5			
Civ NonInstitutionalized Pop. Pop 5 Yrs and Over	15,807		P42
Persons With 1 or more disabilities	2,262	14.3	
Civ NonInstitutionalized Pop. 65 Years and Over	1,751		
Persons 65 Yrs and Over With a Disability	1,032	58.9	
Civ NonInstitutionalized Pop. 16-64	12,528		
Persons 16-64 with a Work Disability	1,377	11.0	
Employed Persons 16-64 with a Work Disability	760	6.1	

The .html format is useful for either viewing the data immediately, via a web browser, or for posting in web based applications since it is already in .html format.


MoDOT SEIR Data Query Application




**Missouri Department of Transportation
Socio-Economic Indicator Resource**

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[Missouri Counties](#)




[Planning Districts](#)



[Regional Planning Commissions](#)



[Metropolitan Planning Organizations](#)



[Corridor Studies](#)

Data Query

Exercise 1: Disabled Population

Part I: REQUIRED options: the geographic area (universe) and the summary units.

Select the geographic area of interest

One or more counties

Select the **Kind** of geographic units for which you want to see data

By default, you will get data for ALL the units of the kind specified which fall totally or partially within the specified universe. For more exact type of output (e.g., single) please select specific number that will limit you output to one from the selection list in Part II below.

County or independent city
 1000 Census Tract
 1000 Block Group
 2000 census
 MPO
 Substate (PL & FIC code)
 MFC
 MMDOT Planning District
 State (AC)

Part II: Select Geographic Area(s) to Be Used As Universe or Summary Units

If you specified the area of interest as "One or more ..." administrative units (in Part I above), then specify which one (or more) you are aggregating to be the universe. Similarly, if you specified one of these entities as your summary unit then you can select which specific units you are interested in.

MPOs	MMDOT Districts	RPOs
ALL	ALL	ALL
Columbia Area Transportation Study Organization (CATSO)	01 Northwest In. Joseph	01 BooneCo-RPO
East West Gateway Coordinating Council (EWGCC)	02 North Central (Madison)	02 BooneCo Reg. Planning/Econ. Dev. Council
Capital Area Metropolitan Planning Organization (CAMPO)	03 Northwest (Humboldt)	03 East West Gateway Coordinating Council (EWGCC)
Capital Area Transportation Study Organization (CATSO)	04 Fayette City Area	04 Green Hills Reg. Planning Comm.
Mid-America Regional Council (MARC)	05 Central / Jefferson City	05 Kaysinger Basin Reg. Planning Comm.
Springfield Area Transportation Study Organization (SATSO)	06 St. Louis Area	06 Lake of the Ozarks Out of Lac. Govts.
St. Joseph Area Transportation Study Organization (SJATSO)	07 Southwest / Jefferson	07 High Traction Reg. Council of Govts.
NorthMO area	08 Springfield Area	08 Interstate Reg. Planning Comm.
	09 South Central / White Springs	09 Mid-America Regional Council (MARC)
	10 Southwest / Missouri	10 Mid-America Council of Govts.

Counties

Boone County
 Boone County
 Boone County
 Buchanan County

State (used only when kind of unit is RPOs)

ALL
 Missouri
 Illinois
 Indiana

Part III: Choose Table(s), Time(s) and Kind(s) of Output

Select the Demographic Table(s) of Interest

Specify Time(s)

Specify the Kind(s) of Output You Would Like

1. Version and Annual Percent Change
 10. Disability
 11. Employment Status
 12. Work Force by Industry

2000 only
 1990 only
 Both yrs separately
 Both yrs merged (totals)

CSV file (comma-delimited)
 SAS dataset program (SAS 9.0/9.1)
 HTML formatted report

This exercise involves obtaining data about the disabled population in the City of Columbia, and Boone County.

Specifically, what number exists in Columbia and how many in the remainder of the county.

This example image shows the filters used to select "Boone County" and Columbia, and "Table 10. Disability".

Exercise 1: Disabled Population

Part III: Choose Table(s), Time(s) and Kind(s) of Output

Select the Demographic Table(s) of Interest	Specify Time(s)	Specify the Kind(s) of Output You Would Like
10. Disability 11. Employment Status 12. Work Force by Industry 13. Work Force by Occupation	2000 only 1990 only Both yrs separately Both yrs merged (trends)	<input checked="" type="checkbox"/> csv file (comma-delimited) <input checked="" type="checkbox"/> SAS dataset (requires SAS viewer) <input checked="" type="checkbox"/> HTML formatted report

Run Request Reset Defaults

After selecting the appropriate filter, the next step is to select the relevant variables.

Due to the large number of individual variables in the data set, they have been organized according to the social and economic category to which they are most likely to fit.

Exercise 1: Disabled Population

MODOT Demographic Profile - 2000 Boone County , 29019

Subject	Number	Percent	SF3 Table
10. Disability			
Universe: Civilian Non-Institutionalized Persons Over 5			
Civ Noninstitutionalized Pop. Pop 5 Yrs and Over	125,988		P42
Persons With 1 or more disabilities	18,273	14.5	
Civ Noninstitutionalized Pop. 65 Years and Over	10,922		
Persons 65 Yrs and Over With a Disability	5,778	52.9	
Civ Noninstitutionalized Pop. 16-64	95,622		
Persons 16-64 with a Work Disability	12,564	13.1	
Employed Persons 16-64 with a Work Disability	7,611	8.0	

This is the .html output for the disabled population of Boone County.

Exercise 1: Disabled Population

MODOT Demographic Profile - 2000 Columbia city , 29-15670

[Next](#)

Subject	Number	Percent	SF3 Table
10. Disability			
Universe: Civilian Non-Institutionalized Persons Over 5			
Civ Noninstitutionalized Pop. Pop 5 Yrs and Over	79,108		P42
Persons With 1 or more disabilities	11,144	14.1	
Civ Noninstitutionalized Pop. 65 Years and Over	6,818		
Persons 65 Yrs and Over With a Disability	3,618	53.1	
Civ Noninstitutionalized Pop. 16-64	62,290		
Persons 16-64 with a Work Disability	7,755	12.4	
Employed Persons 16-64 with a Work Disability	4,786	7.7	

HTML data capture for the city of Columbia.

Exercise 2: Median Family Income

Part I: REQUIRED options: the geographic area (universe) and the summary units.

Select the geographic area of interest

One or more MoDOT Planning Districts

Select the kind of geographic units for which you want to see data

By default, you will get data for ALL the units of the kind specified which fall totally or partially within the specified universe. For some units (see full screen help on help) you can select specific (rather than all) units you want to see from the selection lists in Part II, below.

Specify the geographic unit:

- State
- County
- City/Town
- MPO
- MPO/State (DL, S,AC only)
- RFC
- MSOCT/Planning District
- Some (MPO)

Part II: Select Geographic Area(s) to Be Used As Universe or Summary Units

If you specified the area of interest as "One or more ..." administrative units in Part I above, then specify which one (or more) on the appropriate select areas below. Similarly, if you specified one of these entities as your summary unit then you can select which specific ones you are interested in.

MPOs	MoDOT Divisions	RFCs
<input type="checkbox"/> ALL <input type="checkbox"/> Columbia Area Transportation Study Organization (CATSO) <input type="checkbox"/> East-West County Coordinating Council (EWCCC) <input type="checkbox"/> Capital Area Metropolitan Planning Organization (CAMPO) <input type="checkbox"/> Capital Area Transportation Study/Organization (CATSO) <input type="checkbox"/> Metropolitan Planning Council (MPC) <input type="checkbox"/> Springfield Area Transportation Study Organization (SATSO) <input type="checkbox"/> St. Joseph Area Transportation Study Organization (SJATSO) <input type="checkbox"/> Non-MPO areas	<input type="checkbox"/> ALL <input type="checkbox"/> 02 Marquette / St. Joseph <input type="checkbox"/> 03 North Central / Missouri <input type="checkbox"/> 04 Marquette / Herndon <input type="checkbox"/> 04 Kansas City Area <input type="checkbox"/> 05 Central Missouri City <input type="checkbox"/> 06 St. Louis Area <input type="checkbox"/> 07 Southwest / Joplin <input type="checkbox"/> 08 Springfield Area <input type="checkbox"/> 09 South Central / Willow Springs <input type="checkbox"/> 10 Southeast / Stanton	<input type="checkbox"/> 01 Mid-America Regional Council (MRC) <input type="checkbox"/> 11 Mid-Missouri Council of Governments <input type="checkbox"/> 12 Mid-Missouri Regional Council <input type="checkbox"/> 13 Missouri Valley Planning Council <input type="checkbox"/> 14 Missouri Valley Council of Governments <input type="checkbox"/> 14 South Missouri Valley Planning Council <input type="checkbox"/> 15 Henry & Truman Coordinating Council <input type="checkbox"/> 16 Pioneer Trails Planning Council <input type="checkbox"/> 17 South Central Council of Governments <input type="checkbox"/> 18 SC MO Valley Planning and Scale Data Users <input type="checkbox"/> 19 SW MO Council of Governments

Counties

State (used only when kind of unit is MPO/State)

ALL
 ALL Missouri Counties
 Adams County
 Anderson County

ALL
 Missouri
 West
 Kansas

Part III: Choose Table(s), Time(s) and Kind(s) of Output

Select the Demographic Table(s) of Interest

Specify Time(s)

Specify the Kind(s) of Output You Would Like

1F Household Income in 1998
 2F Other Income Measures
 3F Poverty
 11 Metropolitan Population

2000 only
 1990 only
 Both (by income only)
 Both (by population density)

Low list (income adjusted)
 SAU Asset Program (SAU report)
 HTML formatted report

Exercise 2a asks to compare the median family income of all of the counties in MoDOT Planning District 5 to each other and to the state average.

The first step is to select the universe that the query is to be constrained by, in this case "One or more MoDOT Planning Districts".

Exercise 2: Median Family Income

Part I: REQUIRED options: the geographic area (address) and the summary units.

Select the geographic area of interest

One or more MPO/T Planning Districts

Select the kind of geographic units for which you want to see data

By default, you will get data for ALL the units of the kind specified which fall totally or partially within the specified address. For some unit types (all except tract 4 digit address) you can select specific (rather than all) units you want to see from the selection lists in Part II, below.

County or independent city

- 0000 Census Tract
- 0000 Block Group
- City (GNIS)
- MPO
- MPO/State (DL, S AC only)
- RFC
- MDC/T Planning District
- Some (AK)

Part II: Select Geographic Area(s) to Be Used As Urbans or Summary Units

If you specified the area of interest as "One or more ..." administrative units in Part I above, then specify which one (or more) on the appropriate select area below. Similarly, if you specified one of these unit(s) as your summary unit then you can select which specific unit you are interested in.

MPOs	MeDOT Divisions	RFCs
ALL	ALL	01000 American Regional Council (ARC)
010000 Columbia Area Transportation Study Organization (CATSO)	020000 Northeast (St. Joseph)	110000 Missouri Council of Governments
020000 Greater West County Coordinating Council (GWCCC)	030000 South Central / Missouri	110000 St. Louis Regional Council
030000 Capital Area Metropolitan Planning Organization (CAMPO)	040000 Northeast / Kansas	120000 Missouri Reg. Planning Council
040000 Capital Area Transportation Study Organization (CATSO)	050000 Kansas City Area	130000 Missouri Reg. Council of Govts
050000 Metropolitan Regional Council (MARC)	060000 St. Louis Area	140000 Franklin Reg. Planning Council
060000 Springfield Area Transportation Study Organization (SATSO)	070000 Southwest / Austin	150000 St. Louis Area
070000 St. Joseph Area Transportation Study Organization (SJATSO)	080000 Southwest / Dallas	160000 Texas Regional Council
080000 No MPO area	090000 South Central / Yellow Springs	170000 South Central Council of Govts
	100000 Southwest / Houston	180000 Mid-Missouri Planning and Growth Data Users
		190000 SW MO Council of Governments

County

State (used only when kind of unit is MPO/State)

ALL Missouri Counties

Adair County

Atchison County

ALL

AK0000

WA0000

PA0000

Part III: Choose Table(s), Year(s) and Kind(s) of Output

Select the Demographic Table(s) of Interest

Specify Year(s)

Specify the Kind(s) of Output You Would Like

01 Household Income or 1998

02 Other Income Measures

03 Poverty

04 Metropolitan Population

2000 only

1990 only

Both yrs. sequentially

Both yrs. collapsed (decade)

Low (or Income-Adjusted)

EAU format (reports [data reports](#))

HTML formatted report

The second step is to select the geographic area that data is needed for. In this case, "County or independent city".

The third step involves selecting the Planning District of interest. In this case, "District 5 Central / Jefferson City".

Exercise 2: Median Family Income

MoDOT Demographic Profile - Trend 1990-2000
Benton County , 29015
Complete Information: 088,000

Next

Subject	1990		1990		Change		Notes
	Number	Pop.	Number	Pop.	Number	Pop. (%)	
05. Other Income Measures (200 Adjust)	Universe: Families or Persons		Mobility: 1990-2000				
Families	6,230		4,709		1,520	26.4	
Median Family Income	\$32,499		\$28,025		\$4,476	24.7	
Average Family Income	\$48,927		\$31,029		\$17,898	28.8	
Per Capita Income	\$14,817		\$11,888		\$2,929	30.2	

MoDOT Demographic Profile - Trend 1990-2000
Boone County , 29019
Complete Information: 088,000

Next

Subject	1990		1990		Change		Notes
	Number	Pop.	Number	Pop.	Number	Pop. (%)	
05. Other Income Measures (200 Adjust)	Universe: Families or Persons		Mobility: 1990-2000				
Families	3,666		25,208		-18,542	-20.1	
Median Family Income	\$51,783		\$44,817		\$6,966	15.6	
Average Family Income	\$52,030		\$55,039		-\$3,009	-15.3	
Per Capita Income	\$19,849		\$16,078		\$3,771	19.7	

MoDOT Demographic Profile - Trend 1990-2000
Callaway County , 29027
Complete Information: 088,000

Next

Subject	1990		1990		Change		Notes
	Number	Pop.	Number	Pop.	Number	Pop. (%)	
05. Other Income Measures (200 Adjust)	Universe: Families or Persons		Mobility: 1990-2000				
Families	18,410		8,740		9,670	19.1	
Median Family Income	\$41,473		\$39,968		\$1,505	11.3	
Average Family Income	\$51,714		\$44,291		\$7,423	14.5	
Per Capita Income	\$17,005		\$14,382		\$2,623	18.2	

This screenshot shows the .html output for the various counties in the Central District.

Not all variables are comparable from the 2000 and 1990 census.

Run this query for 2000 only and see what you get.

Exercise 2: Median Family Income

MoDOT Demographic Profile - Trend 1990-2000 Missouri, 29

Complete metadata(pdf): [1990-2000](#)

Selected Tables: 15

Subject	2000		1990		Change		Notes
	Number	Pct.	Number	Pct.	Number	Pct.	
15. Other Income Measures	Universe: Families or Persons		Metadata: 1990-2000				
Families	1,486,546		1,378,020		108,526	7.9	
Median Family Income	\$46,044		\$41,537		\$4,507	10.8	
Average Family Income	\$58,046		\$50,694		\$7,352	14.5	
Per Capita Income	\$19,936		\$16,946		\$2,990	17.6	

Getting the state average is pretty much the same process, except with a different geographic unit, "State(MO)".

The screenshot shows the values for the entire state. This then can be compared to District 5's counties.

Exercise 3: Ashland Workers

Part I: REQUIRED options: the geographic area (universe) and the summary units.

Select the geographic area of interest

Select the **Kind** of geographic units for which you want to see data

By default, you will get data for ALL the units of the kind specified which fall totally or partially within the specified universe. For some unit types (all except tract, by zip) you can select specific (rather than all) units you want to see from the selection list in Part II, below.

County or independent city
 2000 Census Tract
 2000 Block Group
 ZIP (zipcode)
 MPO
 MPO/State (DL & EC only)
 MPO
 MADOT Planning District
 State (PO)

Part II: Select Geographic Area(s) to Be Used As Universe or Summary Units

If you specify the type of table (rows = "line or more ..." administrative units (in Part I above), then specify which one (or more) of the appropriate subset(s) you wish. Similarly, if you specify one of these unit(s) as your summary unit(s) (i.e. row label) which specific unit(s) you are interested in.

MPO(s)	MADOT Districts	EPC(s)
ALL	ALL	00 Mid-America Regional Council (MRC)
Columbus Area Transportation Study Organization (CATSO)	01 Northwest / St. Joseph	10 Midwestern Council of Governments
EastWest Gateway-Coordinating Council (EWGCC)	02 North Central (Nebraska)	11 Mid-Rise Regional Council
Central Area Intermodal Planning Organization (CAIPO)	03 Northeast (Pennsylvania)	12 NE Missouri Reg/Planning Comm.
Logan Area Transportation Study Organization (LATSO)	04 Florida City Area	13 NW Missouri Reg. Council of Govts.
Mid-America Regional Council (MARC)	05 Central (Missouri) City	14 Clark-Foothills Reg/Planning Comm.
Springfield Area Transportation Study Organization (SATSO)	06 St. Louis Area	15 Henry/D. Thomas Coordinating Council
St. Joseph Area Transportation Study Organization (SJATSO)	07 Southwest / Ogden	16 Pioneer Trails Regional Council
Non-MPO area	08 Springfield Area	17 South Central Cook-Council of Govts.
	09 South Central / Willow Springs	18 SE MO Reg Planning and Econ Dev Comm.
	10 Southwest / Wheaton	19 SW MO Council of Governments

Country:

State (used only when kind of table is MPO area):

Part III: Choose Table(s), Time(s) and Kind(s) of Output

Select the Demographic Table(s) of Interest

Specify Time(s)

Specify the Kind(s) of Output You Would Like

CSV file (comma-separated)
 SAS dataset (output: SAS dataset)
 HTML formatted report

Exercise 3 asks to locate where the population of Ashland works.

The appropriate geographic universe and units need to be selected first. In this case the universe is the "Planning District" and our geographic units are "City(place)".

Exercise 3: Ashland Workers

Part I: REQUIRED options: the geographic area (universe) and the summary units.

Select the geographic area of interest

One or more MPO/OT Planning Districts

Select the kind of geographic units for which you want to see data

By default, we will get data for ALL the units of the kind specified which fall totally or partially within the specified universe. You can, with options (all except the first, by default) you can select specific (rather than all) units you want to see from the universe. See Part II, below.

County, or independent city
 0000 Census Tract
 0000 Block Group
 0000 Census Block
 0000 Census Tract
 MPO
 MPO/OT (MS, EXC only)
 RPC
 MUDOT Planning District
 State (MS)

Part II: Select Geographic Area(s) to Be Used As Universe or Summary Units

If you specified the area of interest as "One or more ..." subdivisions (see Part I above), then specify which unit(s) you are using on the appropriate select menu below. Similarly, if you specified one of three entities or your summary unit then you can select which specific cases you are interested in.

MPOs	MUDOT Districts	RPCs
ALL Columbia Area Transportation Study Organization (CATSO) East-West Gateway-Coordinating Council (EWGOC) Capital Area Metropolitan Planning Organization (CAMPO) Icable Area Transportation Study Organization (IATSO) Ind-Ana-Ins Regional Council (IARC) Springfield Area Transportation Study Organization (SATSO) St. Joseph Area Transportation Study Organization (SJATSO) Non-MPO areas	ALL 01 Northwest / St. Joseph 02 North Central / Macon 03 Northwest / Hannibal 04 Eastern City Area 05 Central Missouri City 06 St. Louis Area 07 Southwest / Apple 08 Springfield Area 09 South Central / Willow Springs 10 Northwest / Stanton	0000000000 Regional Council (RC) 0000000000 Council of Governments 11 MO/IA Regional Council 12 NE Missouri Reg Planning Comm 13 MW/Missouri Reg Council of Govts 14 Cook Plattsburgh Reg Planning Comm 15 Primary 3 Tripartite-Coordinating Council 16 Pioneer Trails Regional Council 17 South Central Okla Council of Govts 18 SE MO Reg Planning and Econ Dev Comm 19 SW MO Council of Governments

County

State (used only when kind of unit is MPO/OT)

ALL
 --ALL Missouri Counties
 Adair County
 Andrew County

ALL
 Missouri
 Illinois
 Kentucky

Part III: Choose Table(s), Time(s) and Kind(s) of Output

Select the Demographic Table(s) of Interest

Specify Time(s)

Specify the Kind(s) of Output You Would Like

1 Relationship of Persons in Households and Families
 4 Language Spoken at Home
 5 Residence in 1990
 8 Place of Birth

2000 only
 1990 only
 Both yrs separately
 Both yrs merged (ranked)

100% (no 0 values - identify)
 SAC dataset (requires SAC names)
 RTIME. Unavailable region

Upon selecting the universe and the geographic units, you can then filter the universe to include only those Planning Districts for which you want data. In this case, "Planning District 5" is used to select data for only this region.

Exercise 3: Ashland Workers

Part I: REQUIRED options: the geographic area (universe) and the summary units.

Select the geographic area of interest

One or more MPO/ Planning Districts

Select the kind of geographic units for which you want to see data

By default, we will get data for ALL the units of the kind specified which fall totally or partially within the specified universe. For some unit types (e.g. county, and county) you can select specific (rather than all) units you want to see from the selection lists in Part II, below.

County, or independent city
 CBS Census Tract
 MSA Block Group
Geographic
 MPO
 MPO/State (DE, SA, etc. only)
 RPC
 MUDOT Planning District
 State (AL)

Part II: Select Geographic Area(s) to Be Used As Universe or Summary Units

If you specified the area of interest as "One or more ..." administrative units (in Part I, above), then specify a list (one for each) on the appropriate select menu below. Similarly, if you specified one of these entities as your summary unit then you can select which specific ones you are interested in.

MPOs	MoDOT Districts	RPCs
<input type="checkbox"/> ALL <input type="checkbox"/> Columbia Area Transportation Study Organization (CATSO) <input type="checkbox"/> East-West Gateway-Coordinating Council (EWGCO) <input type="checkbox"/> Capital Area Metropolitan Planning Organization (CAMPO) <input type="checkbox"/> Logan Area Transportation Study Organization (LATSO) <input type="checkbox"/> Mid-America Regional District (MARD) <input type="checkbox"/> Springfield Area Transportation Study Organization (SATSO) <input type="checkbox"/> St. Joseph Area Transportation Study Organization (SJATSO) <input type="checkbox"/> Non-MPO area	<input type="checkbox"/> ALL <input type="checkbox"/> District Northwest / St. Joseph <input type="checkbox"/> District North Central / Macon <input type="checkbox"/> District Northwest / Nashville <input type="checkbox"/> District Eastern / St. Louis Area <input checked="" type="checkbox"/> District Ashland / Ashland City <input type="checkbox"/> District St. Louis Area <input type="checkbox"/> District Southwest / Apple <input type="checkbox"/> District Springfield Area <input type="checkbox"/> District South Central / Willow Springs <input type="checkbox"/> District Southeast / Stanton	<input type="checkbox"/> Central America Regional Council (CARC) <input type="checkbox"/> Central Missouri Council of Governments <input type="checkbox"/> Tri-County Regional Council <input type="checkbox"/> Tri-County Regional Planning Council <input type="checkbox"/> Tri-County Regional Council of Governments <input type="checkbox"/> Tri-County Regional Council of Governments <input type="checkbox"/> Tri-County Regional Council of Governments <input type="checkbox"/> Tri-County Regional Council of Governments <input type="checkbox"/> Tri-County Regional Council of Governments <input type="checkbox"/> Tri-County Regional Council of Governments

County

State (used only when kind of unit is MPO/State)

ALL
 All Missouri Counties
 Ashland County
 Jackson County

Missouri
 Oregon
 Kentucky

Part III: Choose Table(s), Time(s) and Kind(s) of Output

Select the Demographic Table(s) of Interest

Specify Time(s)

Specify the Kind(s) of Output You Would Like

1. Relationship of Persons in Households and Families
 4. Language Spoken at Home
 5. Residence in 1995
 6. Place of Birth

2000 only
 2000 only
 Both yrs separately
 Both yrs weighted (trend)

List by (county - default)
 SAC dataset (requires SAC names)
 RTIME. Formatted report

The last parameter to be selected is the data itself including, the data that you want the data for, and the format that you want it in.

In this case, "Table 6. Place of Work", contains the data that informs where Ashland's workers reside.

Exercise 3: Ashland Workers

MODOT Demographic Profile - 2000 Ashland city , 29-02242

[Next](#)

Subject	Number	Percent	SF3 Table
6. Place of Work			
Universe: Workers over 16			
Workers 16 and Over	982		P26
Work in County of Residence	790	80.4	
Workers Living in a Place	982	100.0	P27
Work in Place of Residence	216	22.0	

HTML output regarding place of work for Ashland.

Exercise 4: Elderly Population

Part I: REQUIRED options: the geographic area (universe) and the summary units.

Select the geographic area of interest:

One or more counties

Select the kind of geographic units for which you want to see data:

By default, you will get data for ALL the units of the kind specified which fall totally or partially within the specified universe. For some universes (all except the U.S. and states) you can select specific (rather than all) units you want to see from the selection lists in Part II, below.

County or independent city
 2000 Census Tract
 CMAA Group
 City District
 MPO
 MPO/State (DL, S-AC only)
 RPO
 MCDOT Planning District
 State (MS)

Part II: Select Geographic Area(s) to Be Used As Universe or Summary Units

If you specified the area of interest as "One or more ..." above (in the table in Part I, above), then specify which one (or more) on the appropriate select area below. Similarly, if you specified one of these tables as your summary unit then you can select which specific ones you are interested in.

MPOs	MeDOT Districts	RPOs
<input type="checkbox"/> ALL <input type="checkbox"/> Columbia Area Transportation Study Organization (CATSO) <input type="checkbox"/> Great West Gateway Coordinating Council (GWGCC) <input type="checkbox"/> Capital Area Metropolitan Planning Organization (CAMPO) <input type="checkbox"/> Capital Area Transportation Study Organization (CATSO) <input type="checkbox"/> Metropolitan Regional Council (MARC) <input type="checkbox"/> Springdale Area Transportation Study Organization (SATSO) <input type="checkbox"/> St. Joseph Area Transportation Study Organization (SJATSO) <input type="checkbox"/> Non-MPO area	<input type="checkbox"/> ALL <input type="checkbox"/> 02 Northeast (TX, Arizona) <input type="checkbox"/> 03 North Central / Mexico <input type="checkbox"/> 04 Northeast / Hawaii <input type="checkbox"/> 05 Central City Area <input type="checkbox"/> 06 Central / Jefferson City <input type="checkbox"/> 08 St. Louis Area <input type="checkbox"/> 09 Southeast / Japan <input type="checkbox"/> 10 Springfield Area <input type="checkbox"/> 11 South Carolina / Willow Springs <input type="checkbox"/> 12 Southeast / Silicon	<input type="checkbox"/> ALL <input type="checkbox"/> 01 Riverside RPO <input type="checkbox"/> 02 Riverside Plan. Planning/Other Dev. (none) <input type="checkbox"/> 03 W/Advisory Coordinating Council (W/Advis) <input type="checkbox"/> 04 Green Hills Plan. Planning Council <input type="checkbox"/> 05 Kaysong/Elbow Plan. Planning Council <input type="checkbox"/> 06 Lake of the Ozarks Council Loc. Govts <input type="checkbox"/> 07 Mark Twain Plan. Council of Govts <input type="checkbox"/> 08 Arkansas Plan. Planning Council <input type="checkbox"/> 09 Mid-America Regional Council (MARC) <input type="checkbox"/> 10 Mid-America Council of Govts

Counties

Arkansas County
 Benton County
 Boone County
 Calhoun County

State (used only when kind of unit is MPO/State)

ALL
 Missouri
 Nevada
 Texas

Part III: Choose Table(s), Time(s) and Kind(s) of Output

Select the Demographic Table(s) of Interest: 1. Percentage of Persons in Households and Families

Specify Time(s): 2000 only
 1990 only
 Both, year(s) available
 Both, year(s) sampled (tracing)

Specify the Kind(s) of Output You Would Like:

Use the Universe (selected)
 EAT Report (opens [EAT report](#))
 HTML formatted report

Exercise 4 involves determining the percent of persons 65 years of age and older by census tract for Benton and Camden Counties.

Begin by selecting "One or more counties" as your universe and "2000 Census Tract" as your geographic units.

Exercise 4: Elderly Population

Part I: REQUIRED options: the geographic area (address) and the summary units.

Select the geographic area of interest:

One or more counties

Select the kind of geographic units for which you want to see data:

By default, you will get data for ALL the units of the kind specified which fall totally or partially within the specified address. For some addresses (all except local gov. addresses) you can select specific (rather than all) units you want to see from the selection lists in Part II, below.

County or independent city
 Benton County
 Boone County
 Clark County
 City of Clark
 MPO
 MPO/State (DL, S-AC only)
 RPC
 MDCOT Planning District
 Some (MDC)

Part II: Select Geographic Area(s) to Be Used As Address or Summary Units

If you specified the area of interest as "One or more ..." address(es) in Part I, above, then specify which one (or more) on the appropriate select area below. Similarly, if you specified one of these address or area names with that you can select which specific ones you are interested in.

MPOs	MeDOT Districts	RPCs
<input type="checkbox"/> ALL <input type="checkbox"/> Columbia Area Transportation Study Organization (CATSO) <input type="checkbox"/> East/West Gateway Coordinating Council (EWGCC) <input type="checkbox"/> Central Area Metropolitan Planning Organization (CAMPO) <input type="checkbox"/> Eastern Area Transportation Study Organization (EATSO) <input type="checkbox"/> Metropolitan Regional Council (MARC) <input type="checkbox"/> Springfield Area Transportation Study Organization (SANTSO) <input type="checkbox"/> St. Joseph Area Transportation Study Organization (SANTSO) <input type="checkbox"/> Non-MPO area	<input type="checkbox"/> ALL <input type="checkbox"/> D2 Harrison / St. Joseph <input type="checkbox"/> D3 North Camden / Monroe <input type="checkbox"/> D4 Harrison / Herndon <input type="checkbox"/> D4 Eastern City Area <input type="checkbox"/> D6 Camden / Jefferson City <input type="checkbox"/> D8 St. Louis Area <input type="checkbox"/> D7 Southwest / Joplin <input type="checkbox"/> D8 Springfield Area <input type="checkbox"/> D9 South Central / Willow Springs <input type="checkbox"/> D8 Southwest / Stanton	<input type="checkbox"/> ALL <input type="checkbox"/> St. Louis RPC <input type="checkbox"/> St. Louis Regional Planning (Some Dev. Areas) <input type="checkbox"/> St. Louis Gateway Coordinating Council (St. Louis) <input type="checkbox"/> St. Charles Hills Reg. Planning Comm. <input type="checkbox"/> St. Charles Reg. Planning Comm. <input type="checkbox"/> St. Louis of the Ozarks Council of Local Govts. <input type="checkbox"/> St. Louis Twin Reg. Council of Govts. <input type="checkbox"/> St. Louis Reg. Planning Comm. <input type="checkbox"/> St. Louis Area Regional Council (SLARC) <input type="checkbox"/> St. Louis Regional Council of Govts.

Counties

Camden County
 Benton County
 Boone County
 Clark County

State (used only when kind of unit is MPO/State)

ALL
 Missouri
 West
 Kansas

Part III: Choose Table(s), Time(s) and Kind(s) of Output

Select the Demographic Table(s) of Interest: E Table Population, noninstitutionalized by Age

Specify Time(s): 2000 only
 1990 only
 Both, year separately
 Both, year lumped (decade)

Specify the Kind(s) of Output You Would Like:

Use for Income Analysis
 EAT Report System [EAT Report](#)
 HTML Generated report

Select the counties of Benton and Camden from the "Counties" scroll down menu.

The population variable is in Table 1.

Exercise 4: Elderly Population

	A	B	C	D	E	F
1	Geocode	AreaName	esriid	County	Over65	PctOver65
2	29015-9601.00	Census Tract 9601	29015960100	Benton MO	571	18.5
3	29015-9602.00	Census Tract 9602	29015960200	Benton MO	448	20
4	29015-9603.00	Census Tract 9603	29015960300	Benton MO	1055	26.1
5	29015-9604.00	Census Tract 9604	29015960400	Benton MO	419	21.6
6	29015-9607.00	Census Tract 9607	29015960700	Benton MO	608	26.1
7	29015-9608.00	Census Tract 9608	29015960800	Benton MO	740	21
8	29029-9501.00	Census Tract 9501	29029950100	Camden MO	653	18.4
9	29029-9502.00	Census Tract 9502	29029950200	Camden MO	970	18.9
10	29029-9503.00	Census Tract 9503	29029950300	Camden MO	461	20.1
11	29029-9504.00	Census Tract 9504	29029950400	Camden MO	520	20.3
12	29029-9505.00	Census Tract 9505	29029950500	Camden MO	515	16.2
13	29029-9506.00	Census Tract 9506	29029950600	Camden MO	435	12.4
14	29029-9507.00	Census Tract 9507	29029950700	Camden MO	855	26.8
15	29029-9508.00	Census Tract 9508	29029950800	Camden MO	842	14.5
16	29029-9509.00	Census Tract 9509	29029950900	Camden MO	371	13.2
17	29029-9511.00	Census Tract 9511	29029951100	Camden MO	702	26.1
18	29029-9512.00	Census Tract 9512	29029951200	Camden MO	684	29.3

The screenshot shows the data output in the .csv format.

Exercise 5: Walk or Bike to Work

Part I: REQUIRED options: the geographic area (universe) and the summary units.

Select the geographic area of interest

[One or more MMDOT Planning Districts]

Select the kind of geographic units for which you want to see data

By default, you will get data for ALL the units of the kind specified which fall wholly or partially within the specified universe. For some unit types (all except tract, by unit type) you can select specific (rather than all) units you want to see from the selection lists in Part II below.

County or independent city
2000 Census Tract
2000 Census Group
City/county
MPO
MPO/State (SL & NC only)
RPC
MMDOT Planning District
(See MAP)

Part II: Select Geographic Area(s) to Be Used As Universe or Summary Units

If you specified the area of interest as "One or more ..." (rather than "All") in Part I above, here specify which one (or more) you do (you can select more than one). Similarly, if you specified one of these categories as your summary unit here you can select which specific ones you are interested in.

MPOs	MMDOT Districts	RPCs
ALL Columbia Area Transportation Study Organization (CATSO) East/West Gateway/Coordinating Council (EWGCC) Capital Area Metropolitan Planning Organization (CAMPO) Louisville Area Transportation Study Organization (LATSOS) Mid-Atlantic Regional Council (MARC) Springfield Area Transportation Study Organization (SATSO) St. Joseph Area Transportation Study Organization (SJATSO) Two MPO areas	ALL D1 Northwest / St. Joseph D2 North Central / Boone D3 Northeast / Princeton D4 Eastern City Area D5 Central / Jefferson City D6 St. Louis Area D7 Southeast / Joplin D8 Springfield Area D9 South Central / Warren Springs D10 Southeast / Silchester	ALL S1 Economic RPC S2 Bookland / Flag Planning/Ernst Development S3 Early Gateway/Coordinating Council (EGCC) S4 Queen Hills / Flag Planning Center S5 Evangelical Ridge / Flag Planning Center S6 Lake of the Ozarks / East of Lewisville S7 Main / Three / Flag Council of Davis S8 Missouri / Flag Planning Center S9 Mid-Missouri Regional Council (MC) S10 Mid-Missouri Council of Safety

Countries: [All Missouri Counties] / [All Missouri Counties] / [All Missouri Counties] / [All Missouri Counties]

States (used only when kind of unit is MPO/State)

ALL / Missouri / Illinois / Pennsylvania

Part III: Choose Table(s), Date(s) and Kind(s) of Output

Select the Demographic Table(s) of Interest: 1. Place of Birth, 2. Educational Attainment, 3. Unemployment Status

Specify Time(s): 1990 only, Both yrs separately, BOTH (or changed dates)

Specify the Kind(s) of Output You Would Like: CSV file (columns delimited), SAS dataset (output: SAS dataset), HTML formatted report

Exercise 5 involves finding out how many people bike or walk to work in Columbia?

Though for a city any universe can be selected, it's advisable to select the smallest universe appropriate to the query to reduce excess city listings.

Exercise 5: Walk or Bike to Work

Part I: REQUIRED options: the geographic area (universe) and the summary units.

Select the geographic area of interest

One or more MoDOT Planning Districts

Select the kind of geographic units for which you want to see data

By default, you will get data for ALL the units of the kind specified which fall totally or partially within the specified universe. For cases with types (all except trust, ag and place) you can select specific (rather than all) units; you want to see from the selection given in Part II, below.

County is independent city
 2000 Census Tract
 2000 Block Group
City/place
 MSA
 MPO (State (SL & KC only)
 ZIP
 MoDOT Planning District
 State (MO)

Part II: Select Geographic Area(s) to Be Used As Universe or Summary Units

If you specified the area of interest as "One or more ..." administrative units (in Part I above), then specify which one (or more) you are appropriate select units, below. Similarly, if you specified one of these entities as your summary unit (then you can select which specific ones you are interested in.

MPOs	MoDOT Districts	RPOs
ALL	ALL	ALL
Columbia Area Transportation Study Organization (CATSO)	D1 Northwest / St. Joseph	D1 Economic RPO
East/West Gateway-Overlapping Council (EWGOC)	D2 North Central / Missouri	D2 Broadway Park Planning/Overlapping Council (D2 Linn)
Capital Area Metropolitan Planning Organization (CAMPO)	D3 Northeast / Northeast	D3 E-W Gateway-Overlapping Council (D3 Linn)
Joplin Area Transportation Study Organization (JATSO)	D4 Kansas City Area	D4 Green Hills Park Planning Center
Mid-Missouri Regional Council (MARC)	D5 Kansas City Area	D5 Raynolds Brown Park Planning Center
Springfield Area Transportation Study Organization (SATSO)	D6 St. Louis Area	D6 Lake of the Ozarks Club of Lakes
St. Joseph Area Transportation Study Organization (JATSO)	D7 Southeast / Joplin	D7 West Texas Park Council of Ozarks
Northwest RPOs	D8 Springfield Area	D8 Missouri Park Planning Center
	D9 South Central / Indian Springs	D9 Mid-America Regional Council (MRC)
	D10 Southeast / Southeast	D10 Mid-Missouri Council of Ozarks

Counties

State (used only when kind of unit is MPOs)

ALL
 -All Missouri Counties
 Auber County
 Audrain County

ALL
 Missouri
 64084

Part III: Choose Table(s), Time(s) and Kind(s) of Output

Select the Demographic Table(s) of Interest	Specify Time(s)	Specify the Kind(s) of Output You Would Like
1. Place of Work	1990 only	<input type="checkbox"/> CSV file (comma-separated)
2. Commuting	1990 only	<input type="checkbox"/> SAS dataset (reports SAS format)
3. Educational Attainment	1990 only	<input checked="" type="checkbox"/> HTML formatted report
4. Universe and Annual Percent Change	1990 only	

In this example the universe selected is the “Planning District” and the geographic area is the “City(place)” filter.

Then select “D5 Kansas City Area” from the “MoDOT Districts” to narrow your query to only those cities in that district.

“Table 7. Commuting” contains the variables regarding mode of transportation to work.

Exercise 5: Walk or Bike to Work

MoDOT Demographic Profile - Trend 1990-2000 Columbia city, 29-15670

Complete metadata(pdf): 1990-2000

[Next](#)

Subject	2000		1990		Change		Notes
	Number	Pct.	Number	Pct.	Number	Pct. (*)	
7. Commuting	Universe: Workers over 16		Metadata: 1990-2000				
Drive Alone to Work	33,767	75.2	24,263	71.3	9,504	3.8	
Carpool	5,240	11.7	4,114	12.1	1,126	-0.4	
Public Transportation or Taxi to Work	484	1.1	519	1.5	-35	-0.4	
Cycle or Walk to Work	3,906	8.7	4,008	11.8	-100	-3.1	
Work at Home	1,320	2.9	867	2.5	453	0.4	
All Persons that Commute to Work	43,589	97.1	33,140	97.5	10,459	-0.4	
Mean Travel Time to Work	15.3		14.1		1.2	8.6	

The output screen reveals how many people walk or cycle to work, as well as the percent and change in percent from 1990 to 2000.

Exercise 6: Average Commute Time

Part I: REQUIRED options: the geographic area (universe) and the summary unit.

Select the geographic area of interest

One or more counties

Select the kind of geographic units for which you want to see data

By default, you will get data for ALL the units of the kind specified which fall totally or partially within the specified universe. For some unit types (all except state, by and large) you can select specific (rather than all) units you want to see from the selection lists in Part II below.

County or independent city
 2000 Census Tract
 2000 Block Group
City (place)
 MSA
 MPO/State (MSA & PC only)
 FPC
 MCDOT Planning District
 Data (MSA)

Part II: Select Geographic Area(s) to Be Used As Universe or Summary Units

If you specified the area of interest as "One or more ..." administrative units (in Part I above), then specify which one (or more) you do appropriate select areas below. Similarly, if you specified one of these entities as your summary unit then you can select which specific ones you are interested in.

MPOs	MaDOT Districts	FPCs
ALL	ALL	ALL
Columbia Area Transportation Study Organization (CATSO)	D1 Northwest / St. Joseph	S1 Booneville FPC
East-West Gateway- Coordinating Council (EWGCC)	D2 North Central / Jefferson	S2 Booneville Flag Planning Council (Booneville)
Capital Area Metropolitan Planning Organization (CAMPO)	D3 Northwest / Hamilton	S3 C-W Gateway- Coordinating Council (St. Louis)
Capital Area Transportation Study Organization (CATSO)	D4 Central / Jefferson City	S4 Green Hills Flag Planning Council
Mid-America Regional Council (MARC)	D5 Central / Jefferson City	S5 Exchange Basin Flag Planning Council
Springfield Area Transportation Study Organization (SATSO)	D6 St. Louis Area	S6 Lake of the Ozarks God of Lem Gosh
St. Joseph Area Transportation Study Organization (SJATSO)	D7 Southeast / Joplin	S7 Mark Twain Flag Planning Council
Northwest Missouri State	D8 Springfield Area	S8 Interstate Flag Planning Council
	D9 South Central / Miller Springs	S9 Mid-America Regional Council (MARC)
	D10 Southeast / Silvan	S10 Mid-America Regional Council of St. Louis

Counties

Miller County
 Missouri County
 Monette County
 Morgan County

State (used only when kind of unit is MPO/State)

ALL
 Missouri
 Illinois
 Indiana

Part III: Choose Table(s), Time(s) and Kind(s) of Output

Select the Demographic Table(s) of Interest

Specify Time(s)

Specify the Kind(s) of Output You Would Like

Place of Birth
 Educational Attainment
 Educational Attainment
 Volume and Annual Percent Change

1990 only
 1990 only
 Both (if appropriate)
 Both (if merged datasets)

Use the Counts-Related
 SAS dataset options (SAS users)
 HTML format report

Exercise 6 asks the question 'What is the average commuting time of residents in Miller and Morgan County communities?'. By selecting "City(place)" from the geographic unit menu you can get data for all cities in Miller and Morgan Counties.

Exercise 6: Average Commute Time

Part I: REQUIRED options the geographic area (address) and the summary table.

Select the geographic area of interest

One or more counties

Select the kind of geographic units for which you want to see data

By default, we will give you the ALL the units of the kind specified which fall totally or partially within the specified address. For some web pages (all except maps, by address) you can select specific (rather than all) units you want to see from the selection lists in Part II, below.

County or independent city
 2000 Census Tract
 2000 Census Block
 City/county
 MPO
 MPO/State (DC, IL, & KC only)
 RPO
 MCDOT Planning District
 State (DC)

Part II: Select Geographic Area(s) to Be Used As Address or Summary Units

If you specified the area of interest as "One or more ..." administrative units (in Part I, above), then specify which one (or more) on the appropriate select areas below. Similarly, if you specified one of these entities as your summary unit then you can select which specific ones you are interested in.

MPOs	MDOT Divisions	RPOs
ALL Columbia Area Transportation Study Organization (CATSO) East-West Gateway Coordinating Council (EWGCO) Central Area Metropolitan Planning Organization (CAMPO) Loudon Area Transportation Study Organization (LATSO) Indianapolis Regional Council (AMRC) Springfield Area Transportation Study Organization (SATSO) St. Joseph Area Transportation Study Organization (SATSO) New MPO areas	ALL 01 Northwest / St. Joseph 02 North Central / Mason 03 Northwest / Harrisburg 04 Kansas City Area 05 Central / Jefferson City 06 St. Louis Area 07 Southwest / Joplin 08 Springfield Area 09 South Central / Willow Springs 10 Southwest / Shavano	ALL 01 Scenic RPO 02 Southern Reg. Planning/Coord. Divisions 03 W. Gateway Coordinating Council (W. Gateway) 04 Green Hills Reg. Planning Comm. 05 Raytown Reg. Planning Comm. 06 Lake of the Ozarks Council of Local Govts. 07 Mark Twain Reg. Council of Local Govts. 08 Jackson Reg. Planning Comm. 09 Mid-Missouri Regional Council (MRC) 10 Mid-Missouri Council of Govts.

Counties

State (pick only when kind of unit is MPO/State)

All Counties
 Boone County
 Cherokee County
 Delaware County
 Jackson County

All
 Missouri
 Illinois

Part III: Choose Table(s), Year(s) and Kind(s) of Output

Select the Demographic Table(s) of Interest

Specify Year(s)

Specify the Kind(s) of Output You Would Like

Place of work
 Commuting
 Educational Attainment
 Values and Attitud. Factors Index

2000 only
 1990 only
 Both are summary
 Both are detailed (available)

Low Br. Income - Detailed
 EAF dataset (requires [CAI return](#))
 HHS/E. Economic region

The indicator for average commute time is found in "Table 7. Commuting".

Besides average commute time, this table also provides data on the modes of transportation to work.

Exercise 6: Average Commute Time

	A	B	C	D	E	F
1	AreaName	county	AvgCommute_90	AvgCommute_00	AvgCommuteCh90_00	AvgCommutePCh90_00
2	Bagnell town	Miller MO	14.8	13.2	-1.6	-10.8
3	Barnett city	Morgan MO	21.3	31.4	10.1	47.6
4	Brumley town	Miller MO	25.1	21.8	-3.3	-13.2
5	Eldon city	Miller MO	18.1	19.8	1.7	9.5
6	Gravois Mills town	Morgan MO	19.5	12.3	-7.2	-36.8
7	Iberia city	Miller MO	24.8	26.6	1.8	7.2
8	Lake Ozark city	Miller MO	14.4	20	5.5	38.4
9	Lakeside city	Miller MO	13.7	6.7	-7	-51.3
10	Laurie village	Morgan MO	12.5	17.1	4.5	36.2
11	Olean town	Miller MO	27.7	19.3	-8.4	-30.2
12	St. Elizabeth village	Miller MO	25.4	36.1	10.8	42.6
13	Stover city	Morgan MO	15.2	24.8	9.6	63.5
14	Syracuse city	Morgan MO	17.4	22.6	5.2	30.2
15	Tuscumbia town	Miller MO	20.9	29.9	8.9	42.7
16	Versailles city	Morgan MO	14.1	18.1	3.9	27.8

Miller and Morgan County cities' average commute time.

Exercise 7: Population Change

Part I: REQUIRED options: the geographic area (universe) and the summary units.

Select the geographic area of interest

View to more countries

Select the **Unit** of geographic units for which you want to see data

By default, you will get data for ALL the units of the kind specified which fall totally or partially within the specified universe. For some unit types (all except states, by and large) you can select specific (rather than all) units you want to see from the sub-list that is Part II, below.

County or independent city
 1000 Census Tract
 2000 Block Group
 City (general)
 MSA
 MSA/State (DL & FC only)
 MSA
 MSA/OT Planning District
 State (AK)

Part II: Select Geographic Area(s) to Be Used As Universe or Summary Units

If you specified the area of universe as "State or more ..." (above), then specify which one (or more) are the appropriate sub-area(s). Similarly, if you specified one of these unit(s) as your summary unit then you can select which specific ones you are interested in.

MPOs	MAOT Districts	RPOs
ALL	ALL	ALL
Columbia Area Transportation Study Organization (CATSO)	D1 Northwest / In Joseph	R1 BooneCo - RPO
East-West Gateway Coordinating Council (EWGCC)	D2 North Central / Missouri	R2 BooneCo Reg. Planning/Econ. Dev. Council
Capital Area Metropolitan Planning Organization (CAMPO)	D3 Northwest / Hamilton	R3 East-West Gateway Coordinating Council (EWGCC)
Joplin Area Transportation Study Organization (JATSO)	D4 Kansas City Area	R4 Green Hills Reg. Planning Comm.
Inter-America Regional Council (IARC)	D5 Central / Jefferson City	R5 Kawyerger Basin Reg. Planning Comm.
Springfield Area Transportation Study Organization (SATSO)	D6 St. Louis Area	R6 Lake of the Ozarks Ctd of Lac. Genls.
St. Joseph Area Transportation Study Organization (SJATSO)	D7 Southwest / Joplin	R7 Inter-Am. Reg. Planning Council
WorkforceOne	D8 Springfield Area	R8 Multijurisdictional Council of Govts.
	D9 South Central / Wilkes Springs	R9 Multijurisdictional Council of Govts.
	D10 Southwest / Missouri	R10 Multijurisdictional Council of Govts.

Countries

State (used only when kind of unit is MPO or RPO)

Missouri
 Kansas

Part III: Choose Table(s), Time(s) and Kind(s) of Output

Select the Demographic Table(s) of Interest

Specify Time(s)

Specify the Kind(s) of Output You Would Like

All Tables
 1) Total Population and Components Age
 2) Race and Ethnicity
 3) Relationship of Persons in Households and Families

1990 only
 1990 only
 Both on separate
 Both merged results

Use file (comma-delimited)
 SAS dataset (output: SAS format)
 HTML formatted report

Exercise 8 asks ‘what are the fastest growing census block groups in Cole County?’.

How would you measure “fastest” growing?

Exercise 7: Population Change

Part I: REQUIRED options: the geographic area (universe) and the summary units.

Select the geographic area of interest

Click to view counties

Select the **Kind** of geographic units for which you want to see data

By default, you will get data for ALL the units of the kind specified which fall totally or partially within the specified universe. For more exact types (all except ones, by unit) you can select specific (rather than all) units you want to see from the selection lists in Part II, below.

County or independent city
 2000 Census Tract
2000 Block Group
 City (general)
 MSA
 Suburb (DL & FIC only)
 MFC
 MMDOT Planning District
 State (AC)

Part II: Select Geographic Area(s) to Be Used As Universe or Summary Units

If you specified the area of interest as "State or more ..." administrative units (in Part I, above), then specify which one (or more) you are interested in. If you specified one of these entities as your summary units then you can select which specific units you are interested in.

MPOs	MMDOT Districts	RPOs
ALL	ALL	ALL
Columbia Area Transportation Study Organization (CATSO)	D1 Northwest In. Joseph	D1 Booneville RPO
East West Gateway Coordinating Council (EWGCC)	D2 North Central / Macon	D2 Booneville Reg. Planning Econ. Dev. Council
Capital Area Metropolitan Planning Organization (CAMPO)	D3 Northwest / Humboldt	D3 East West Gateway Coordinating Council (EWGCC)
Joplin Area Transportation Study Organization (JATSO)	D4 Kansas City Area	D4 Green Hills Reg. Planning Comm.
Mid-America Regional Council (MARC)	D5 Central / Jefferson City	D5 Kaysinger Basin Reg. Planning Comm.
Springfield Area Transportation Study Organization (SATSO)	D6 St. Louis Area	D6 Lake of the Ozarks Ctd of Lnc. Govts
St. Joseph Area Transportation Study Organization (SJATSO)	D7 Southwest / Coffey	D7 South West Reg. Council of Govts
NorthMO area	D8 Springfield Area	D8 Interstate Reg. Planning Comm.
	D9 South Central / White Springs	D9 Mid-America Regional Council (MARC)
	D10 Southeast / Missouri	D10 Mid-America Council of Govts

Counties

Click to view only view kind of units: RPOs

Cole County
 Clay County
 Dallas County
 State County

ALL
 Missouri
 Illinois
 Kansas

Part III: Choose Table(s), Time(s) and Kind(s) of Output

Select the Demographic Table(s) of Interest

Specify Time(s)

Specify the Kind(s) of Output You Would Like

All Tables
 2 Total Population and Population by Age
 3 Race and Hispanic
 1 Relationship of Persons in Households and Families

1990 only
 1990 only
 Both on separate
 Both on merged datasets

CSV file (comma-delimited)
 SAS dataset program (SAS 8.02.00)
 HTML formatted report

“Counties” are the universe and “2000 block groups” are the geographic units.

“Cole County” is selected from the “Counties” menu.

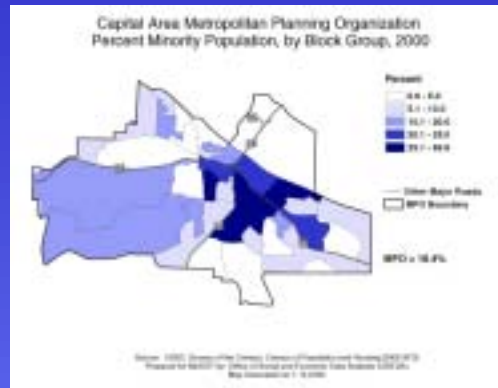
Population data is found in “Table 1. Total Population and Population by Age”.

Exercise 7: Population Change

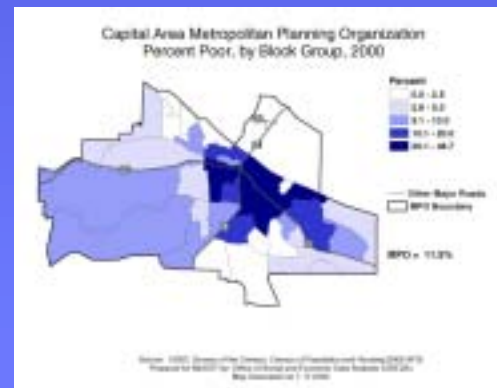
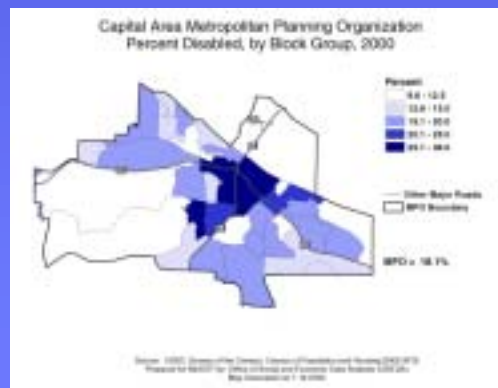
	A	B	C	D	E	F	G
1	Geocode	esriid	grcid	TotPop_90	TotPop_00	TotPopCh90_00	TotPopPCh90_00
2	29051-0101.00-2	290510101002	510101002	836	2647	1811	216.6
3	29051-0108.00-3	290510108003	510108003	2891	4439	1548	53.5
4	29051-0107.00-5	290510107005	510107005	1621.2	2910	1288.8	79.5
5	29051-0107.00-4	290510107004	510107004	1960.4	2678	717.6	36.6
6	29051-0204.00-2	290510204002	510204002	1108.6	1698	589.4	53.2
7	29051-0104.00-5	290510104005	510104005	867.1	1384	516.9	59.6
8	29051-0206.00-3	290510206003	510206003	1250	1684	434	34.7
9	29051-0201.98-2	290510201982	510201982	2198	2584	386	17.6
10	29051-0204.00-3	290510204003	510204003	1608	1856	248	15.4
11	29051-0202.00-2	290510202002	510202002	1054	1277	223	21.2
12	29051-0105.00-3	290510105003	510105003	1092	1288	196	17.9
13	29051-0205.00-1	290510205001	510205001	1152.6	1344	191.4	16.6
14	29051-0108.00-1	290510108001	510108001	1603	1781	178	11.1
15	29051-0203.00-3	290510203003	510203003	1287	1465	178	13.8
16	29051-0106.00-3	290510106003	510106003	907	1068	161	17.8
17	29051-0203.00-2	290510203002	510203002	623.9	783	159.1	25.5
18	29051-0103.00-3	290510103003	510103003	1340	1473	133	9.9
19	29051-0104.00-6	290510104006	510104006	1327	1455	128	9.6
20	29051-0108.00-2	290510108002	510108002	1010	1130	120	11.9

Output in .csv format of population and change in population at the block group geography for Cole County.

Exercise 9: Minority, Disability and Low-Income



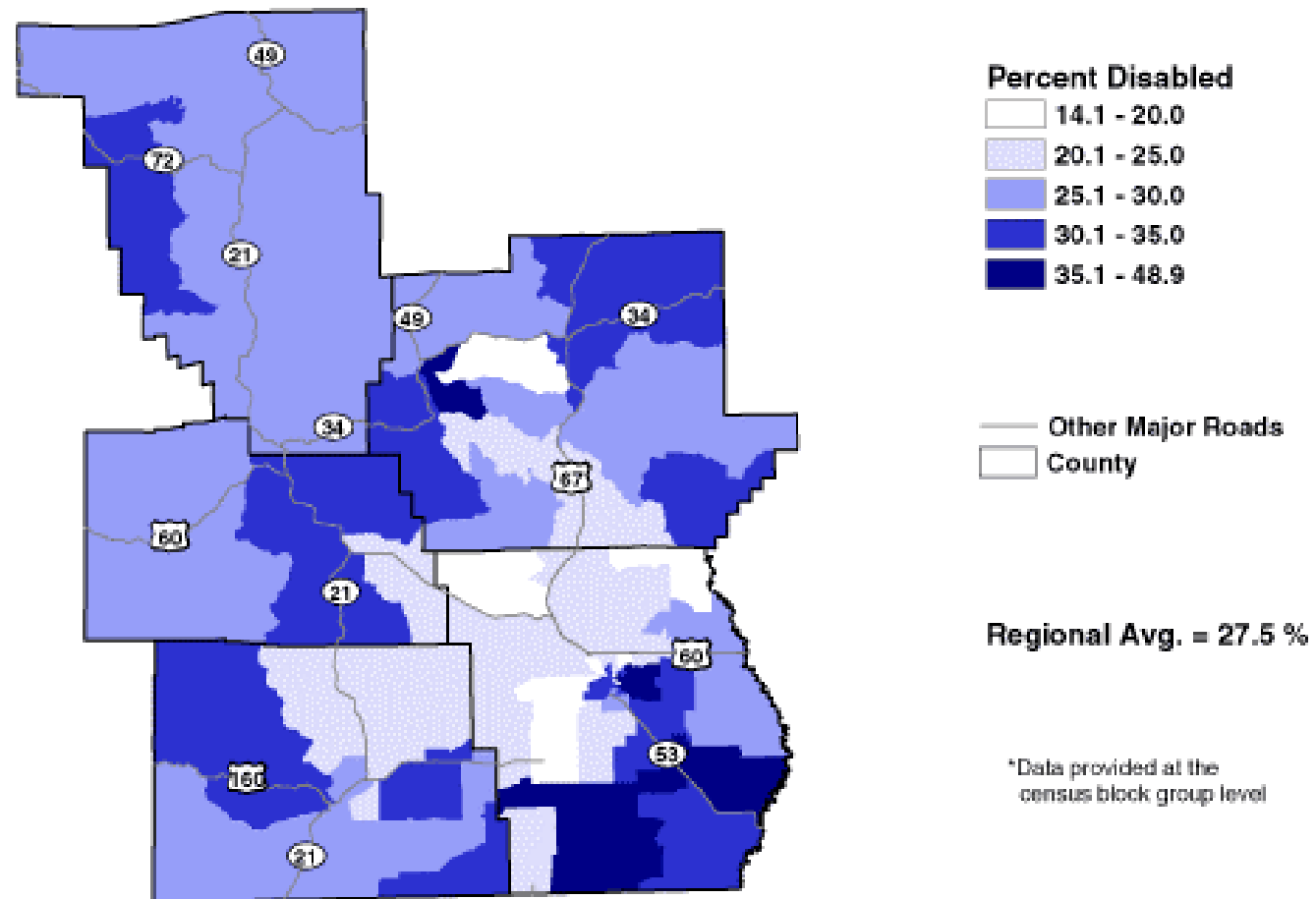
Can you locate the block groups in the Capital Area Metropolitan Planning Organization which contain the highest percentage of Minority, Disability and Low-Income persons?



APPENDIX I – Sample Maps

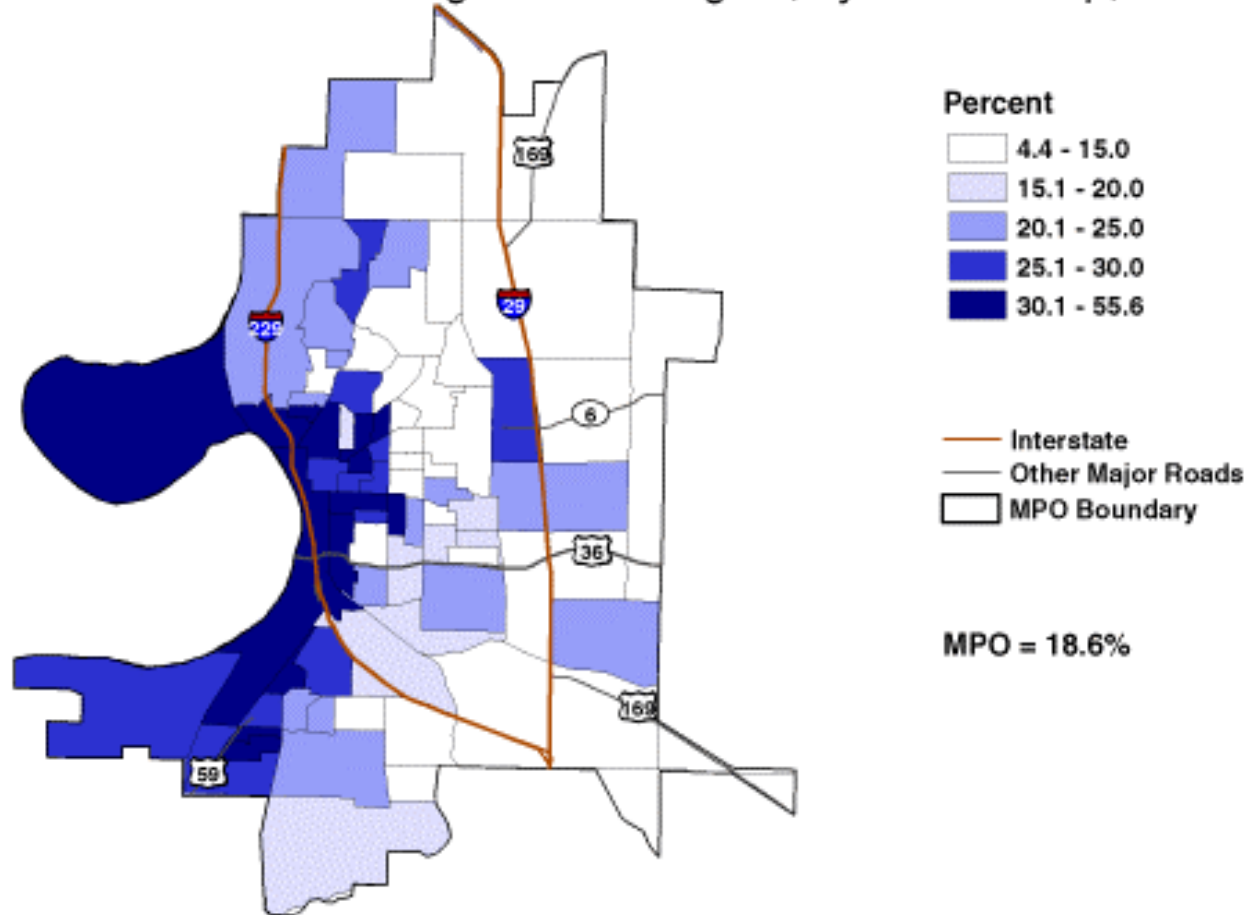
This appendix contains examples of the types of maps that were created for SEIR.

Ozark Foothills Regional Planning Commission Percent Disabled, by County*, 2000



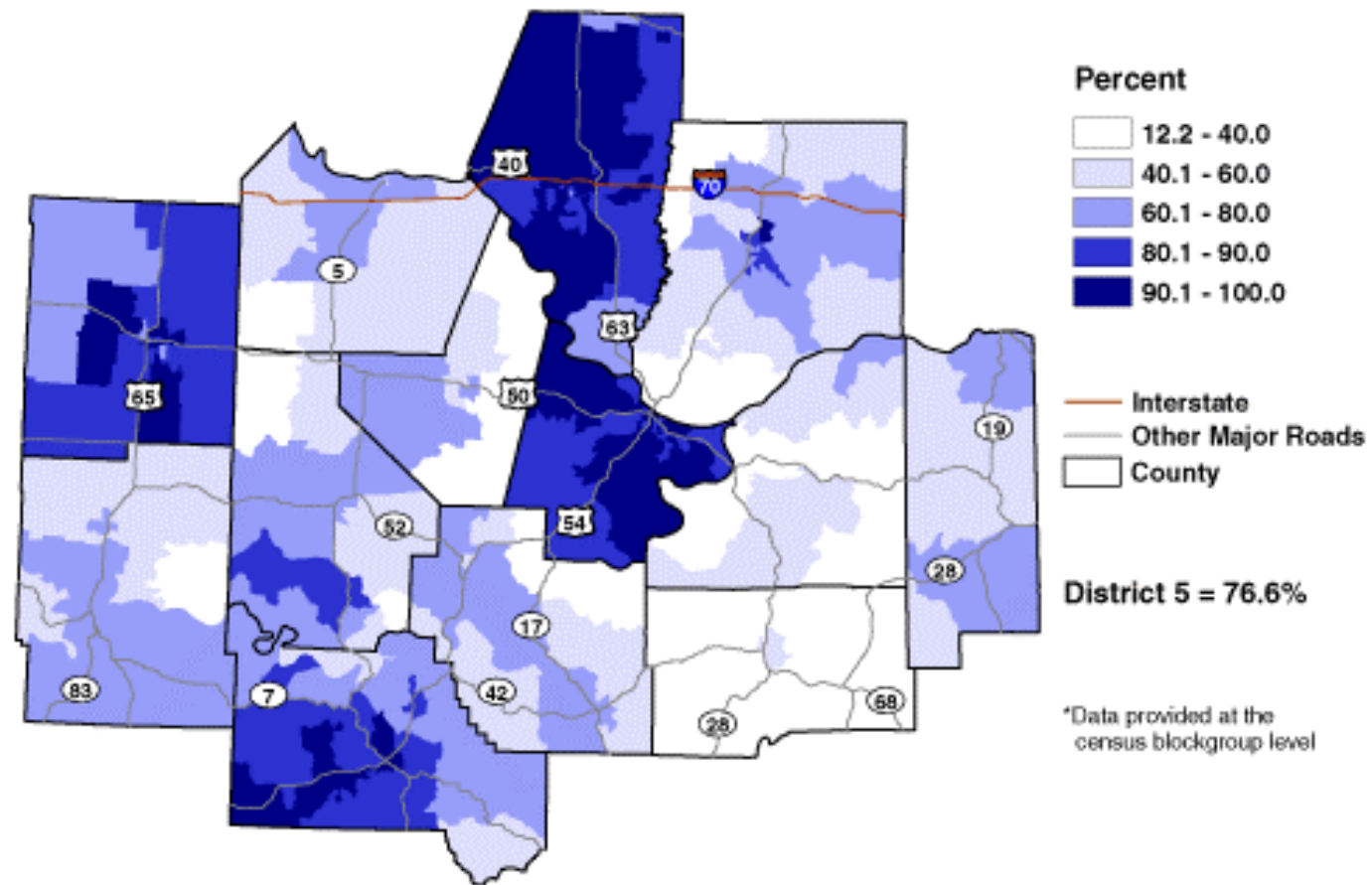
Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]
 Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSED)A
 Map Generated on 01.03.2003

St. Joseph Area Transportation Study Organization Percent of Persons 25 Years or Older Without a High School Degree, by Block Group, 2000



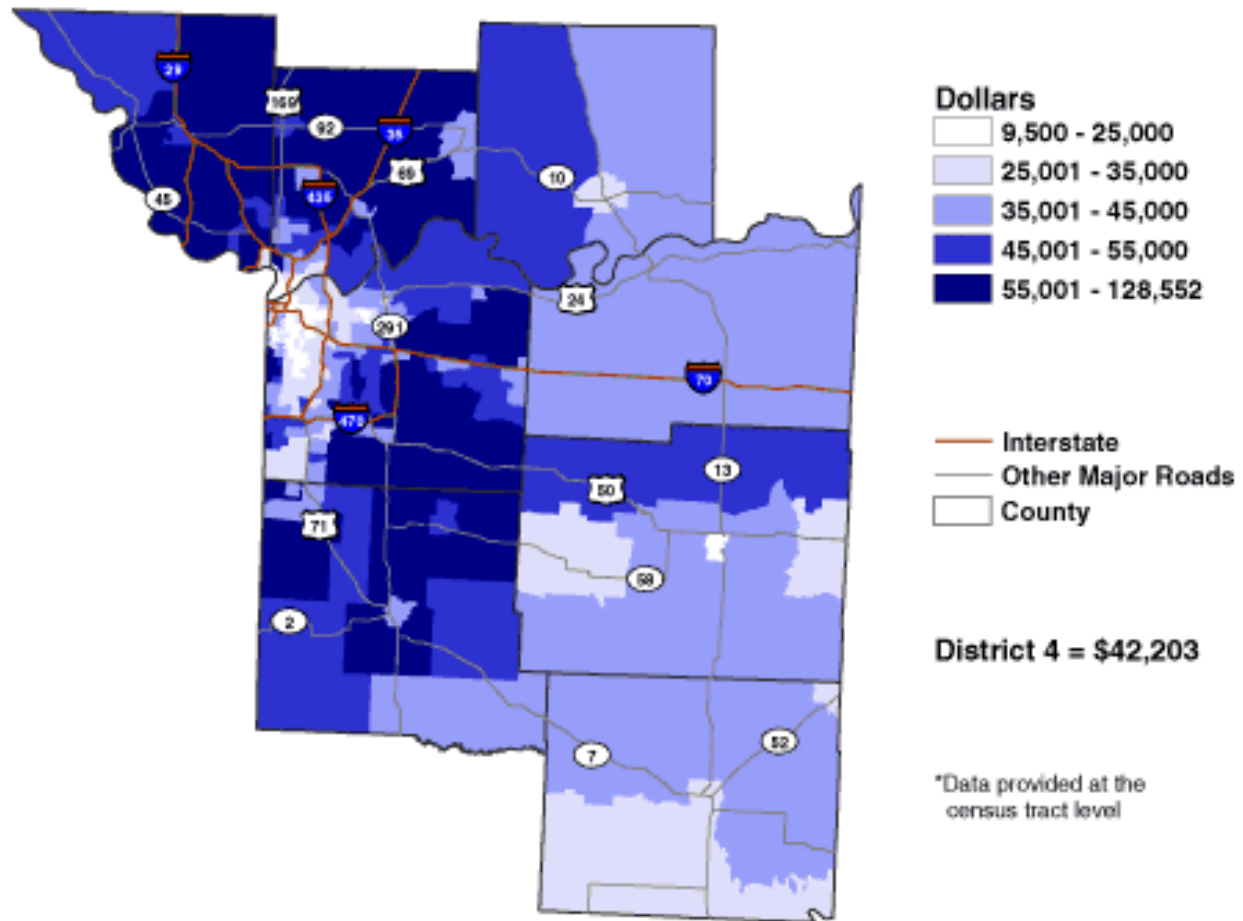
Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]
 Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDa)
 Map Generated on 1.10.2003

MoDOT Planning District 5 Percent of the Population 16 Years or Older Working in County of Residence, by County*, 2000



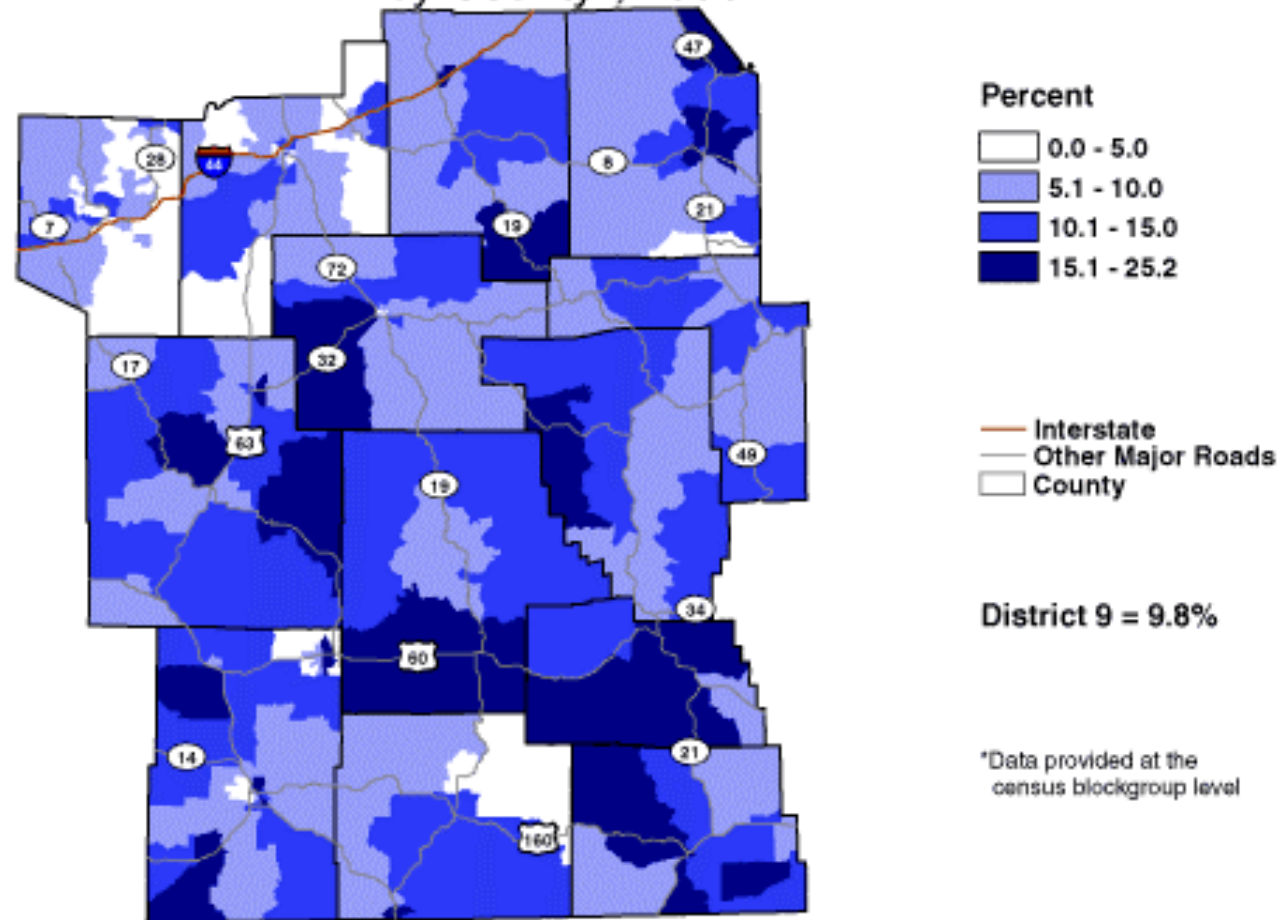
Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]
 Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSED)A
 Map Generated on 12.27.2002

MoDOT Planning District 4 Median Household Income, by County*, 2000



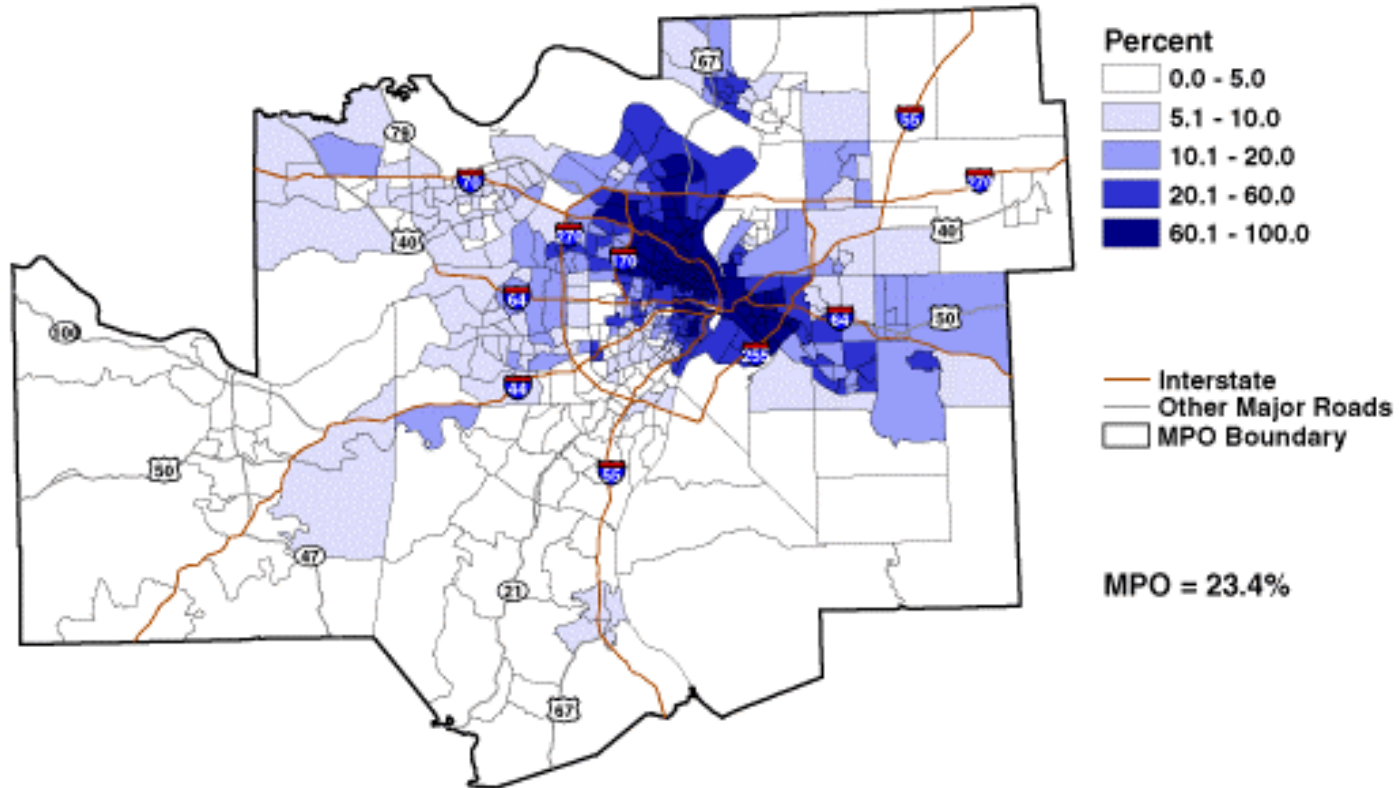
Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]
 Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSED)
 Map Generated on 1.12.2003

MoDOT Planning District 9 Percent of Families Below Poverty Status, by County*, 2000



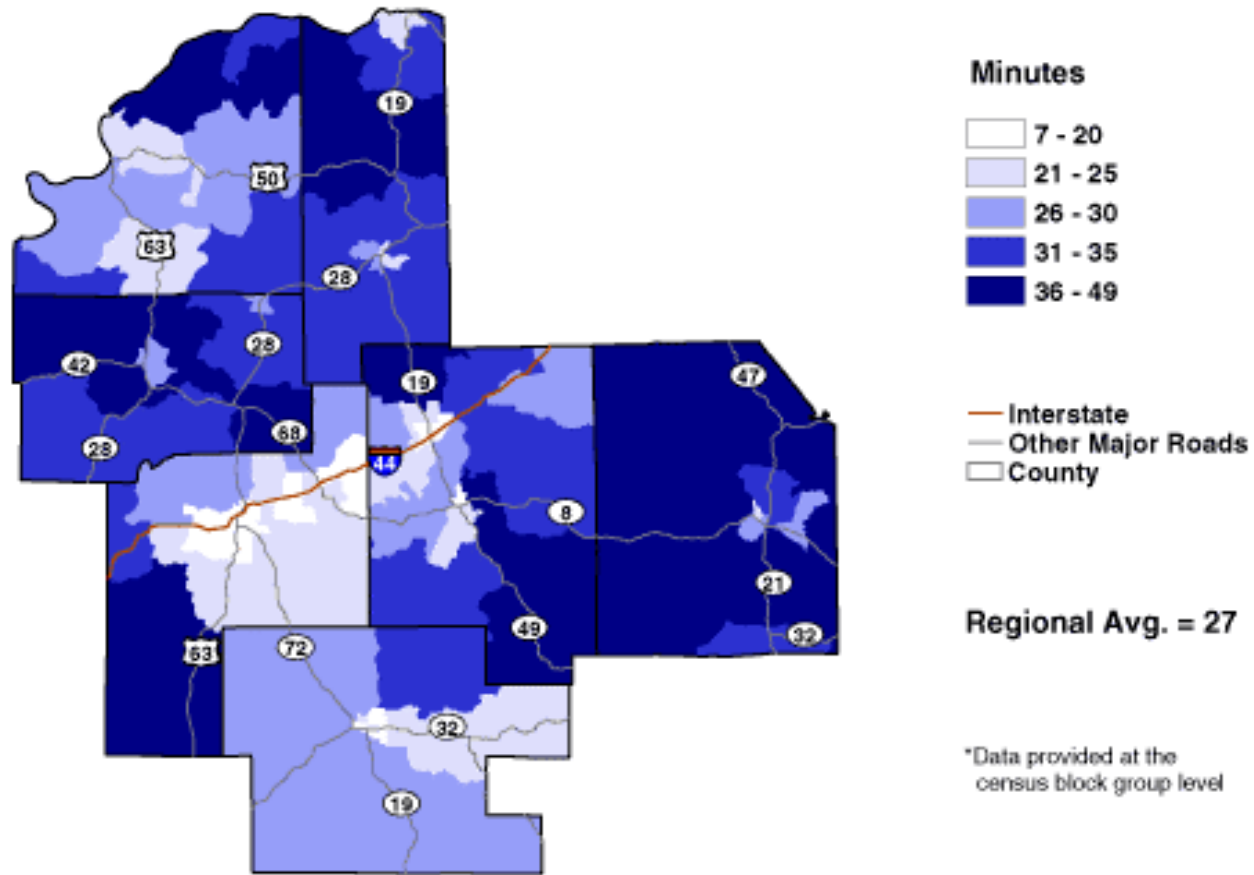
Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]
 Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSED)A
 Map Generated on 1.8.2003

East-West Gateway Coordinating Council Percent Minority, by Census Tract, 2000



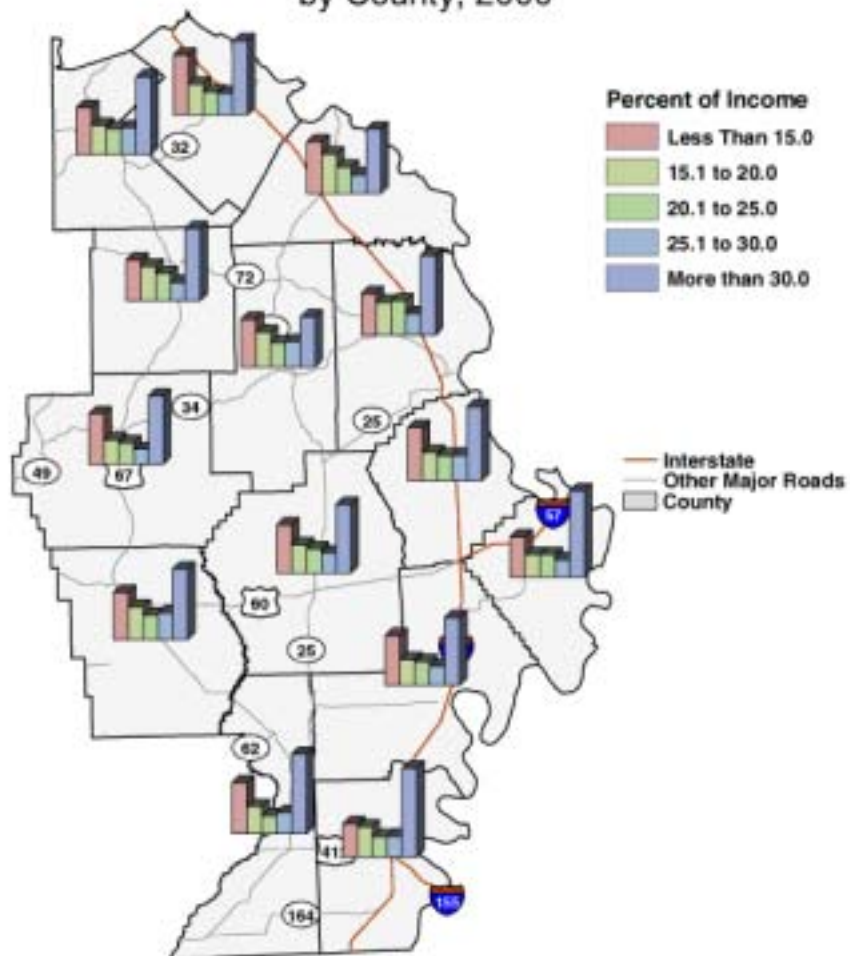
Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]
Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSED)A
Map Generated on 1.16.2003

Meramec Regional Planning Commission Population 16 Years or Older Mean Travel Time to Work, by County*, 2000



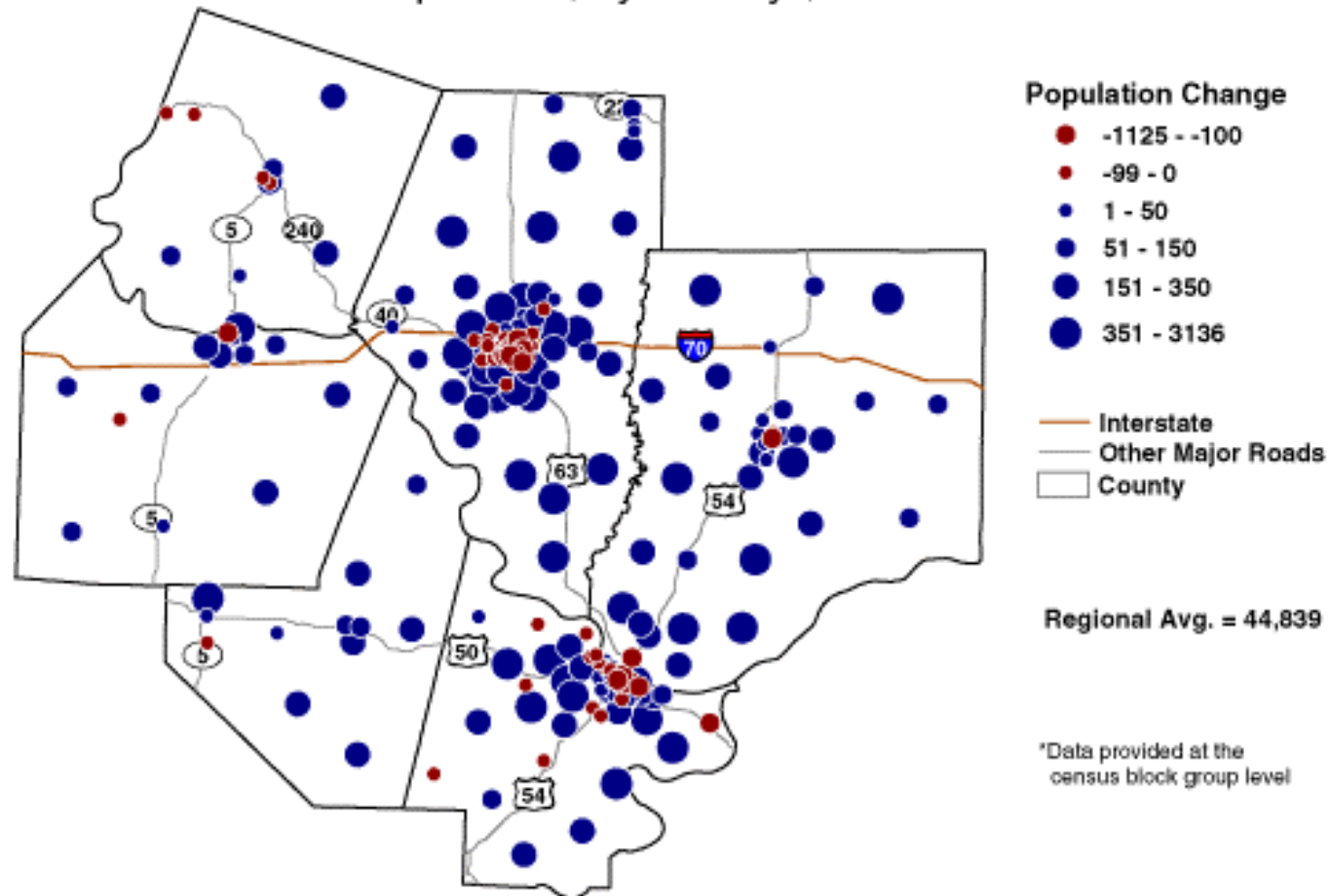
Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]
 Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSED)A
 Map Generated on 1.8.2003

MoDOT Planning District 10 Percent of Housing Units
by Gross Rent as a Percentage of Household Income,
by County, 2000



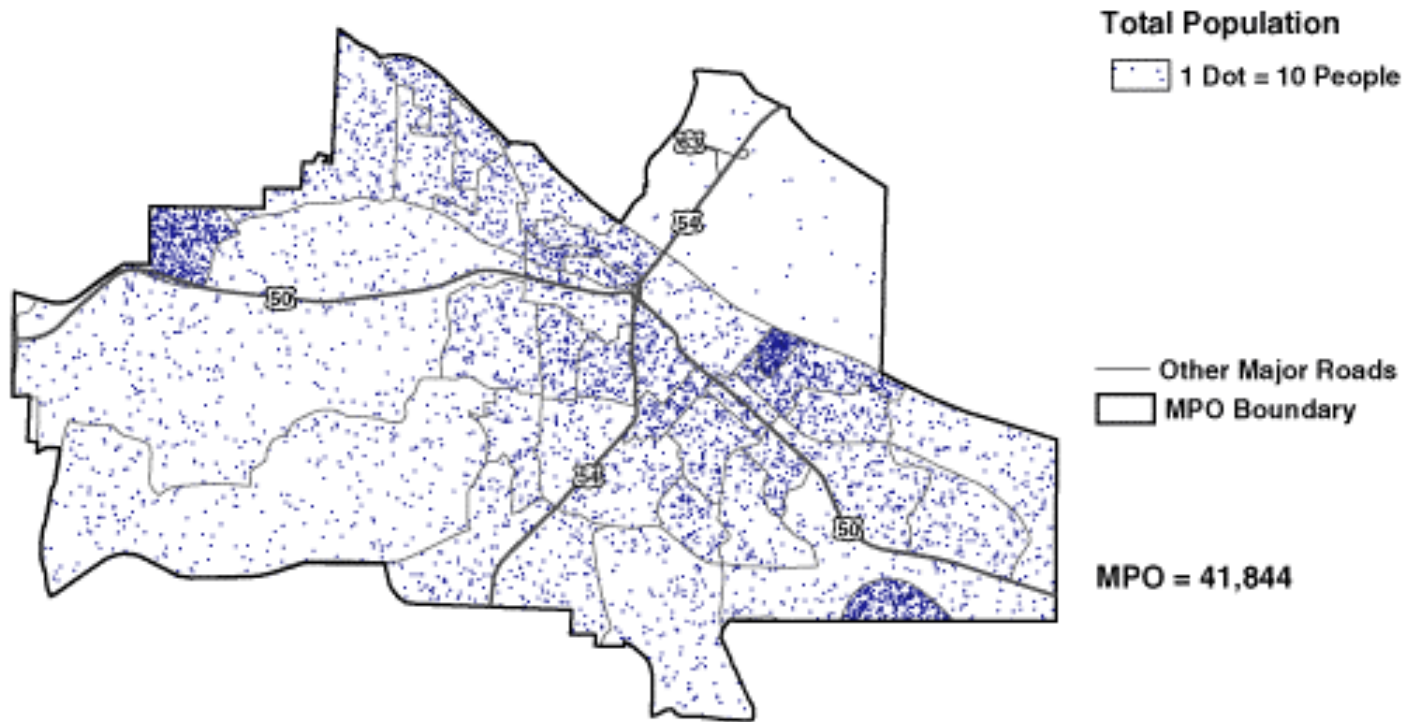
Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]
Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA)
Map Generated on 1.13.2003

Mid-Missouri Regional Planning Commission Change in Total Population, by County*, 1990 - 2000



Source: USDC, Bureau of the Census, Census of Population and Housing [1990 STF1, 2000 SF1]
 Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSED)
 Map Generated on 11.18.2002

Capital Area Metropolitan Planning Organization Total Population, by Block Group, 2000



Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3]
Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSED)
Map Generated on 1.16.2003

Highway 65 Corridor - Arkansas and Missouri Border to Buffalo, MO

