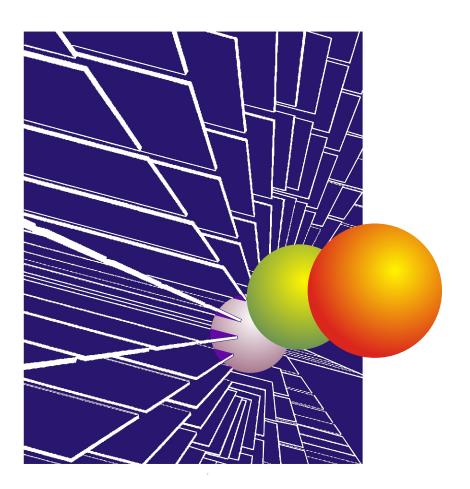


Research, Development and Technology

University of Missouri-Columbia RDT 03-011

Development and Use of Social and Economic Data at MoDOT

RI 00-049



August, 2003

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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

BY: Lance R. Huntley, M.S. Tracy Dranginis, Ph.D. Ernie Perry, M.S.

JEFFERSON CITY, MISSOURI DATE SUBMITTED: August 2003 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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| by the MoDOT. The website develop | | | | | | |
| information for use in transportation p | | | | | | |
| Resource Web Page makes data, maps | 0 1 5 | - | | | | |
| geography meaningful to MoDOT per | | | | | | |
| The project has been successful | | se of census data | in long-range and | l project planning, | | |
| environmental clearance, and in provide | - | | | | | |
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Executive Summary

The MoDOT Socio-Economic Indicator Resource (SEIR) can be found on the World Wide Web at: <u>http://oseda.missouri.edu/modot</u>. 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 is 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.

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

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://oseda.missouri.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

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

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 minisessions 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

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 "realworld" 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.
- 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.
- 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.

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

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

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 | \$ | 144,665 | \$ | 144,478.16 |
| Benefits | \$ | 26,040 | \$ | 30,648.12 |
| Expenses | \$ | 18,000 | | |
| Travel | \$ | 3,000 | \$ | 2,693.13 |
| Supplies | \$ | 2,000 | \$ | 3,043.12 |
| Training Materials | \$ | 5,000 | \$ | 3,690.00 |
| Users-Group Support | \$ | 5,000 | \$ | 3,699.02 |
| Printing | \$ | 3,000 | \$ | 19.50 |
| Total Direct Cost | \$ | 188,705 | | \$ |
| Indirect Cost (.097) | \$ | 18,304 | \$ | 18,330.00 |
| Total Project Cost | \$ | 207,009 | \$ | 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 <u>continue</u>!
- Partial tracts and block groups in calculations for MPOs (so that the sum of the tracts will equal the total for MPO).

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 by 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.

- 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 form 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

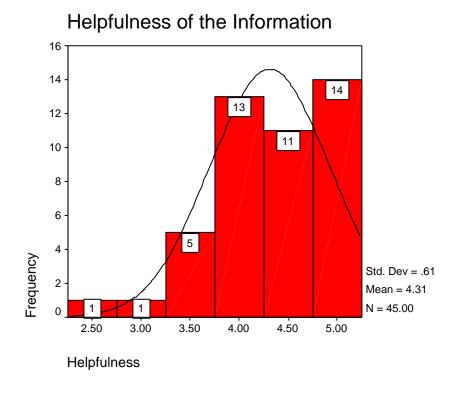
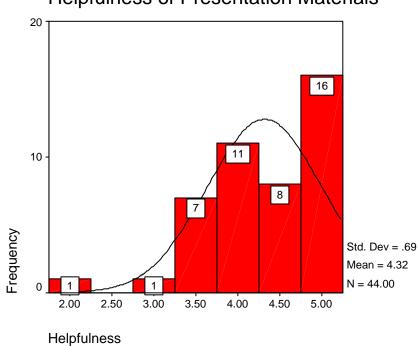
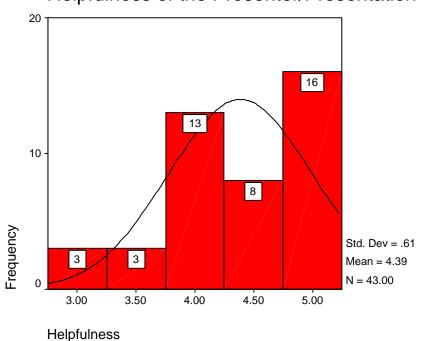


Figure 2. Combined Responses from all Training Sessions Regarding the Helpfulness of the Presentation Materials Used in the Training Session



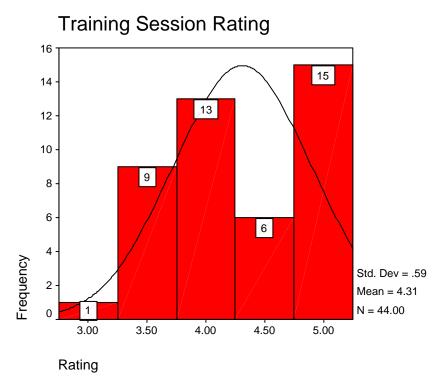
Helpfulness of Presentation Materials

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



Helpfulness of the Presenter/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

| 1 st | Session – Ove | rview of U | S Census | | |
|--|------------------------|---------------|-----------------------------|-------------------|--------------|
| 1. How helpful do you find the information provided in this session? | | | | | |
| 1 | | 2 | 3 | 4 | 5 |
| Not h | neloful | | Somewhat helpful | | Verv helpful |
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Second Session – Using the Website and Database

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Third Session – Using the Data Query Application

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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

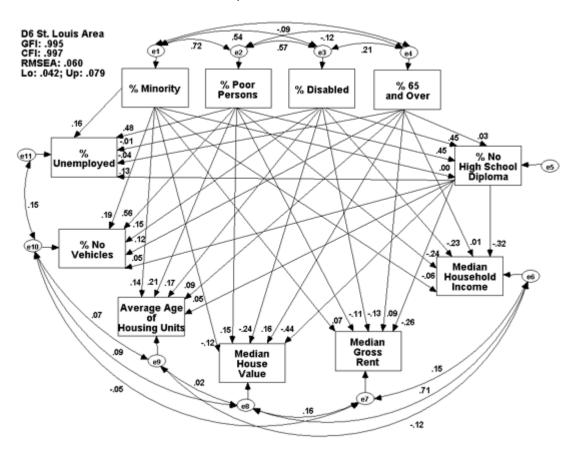
This narrative provides some insights into the quality of life in MoDOT's St. Louis Area District by considering the relationships between a number of 2000 census variables. The census variables considered were selected based upon two criteria. First, their relevance to Environmental Justice and Title 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.

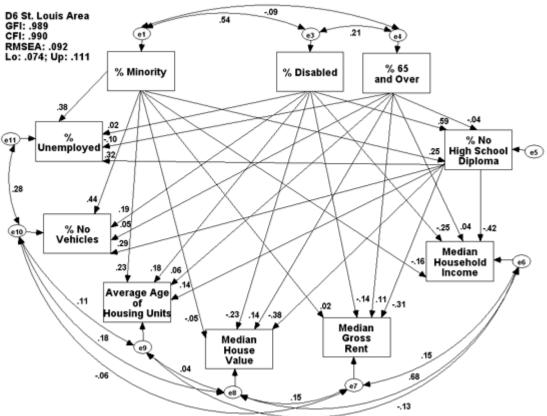
While there is no definitive list of social and economic variables that best measure the quality of life for a geographic area, the Decennial Census of Population and Housing is an exceptional data source to explore this issue. Census 2000 variables used to construct the QOL models include both the populations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

Findings Summary

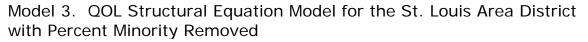
Preliminary findings reveal that for all but the elderly, the St. Louis Area protected populations were more likely than the general population or other special populations to live in neighborhoods and communities with characteristics indicative of a lesser quality of life than the District in general. 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.

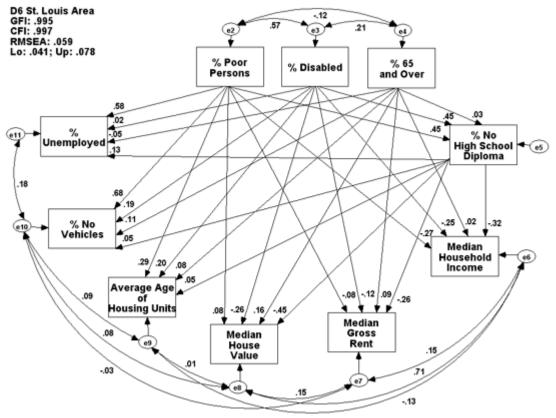


Model 1. QOL Structural Equation Model for the St. Louis Area District



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



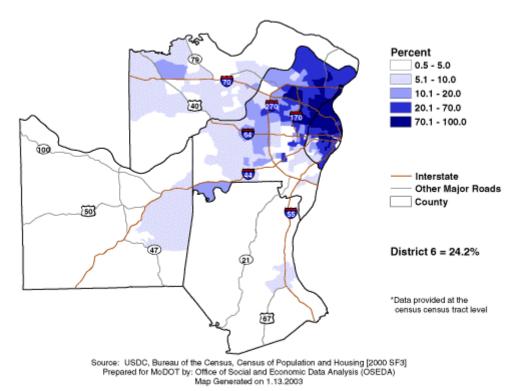


Understanding the St. Louis Area District

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.



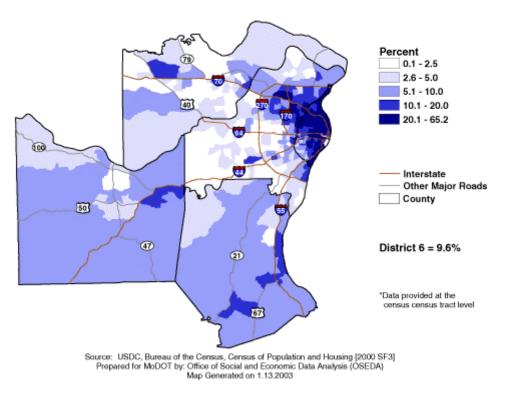
MoDOT Planning District 6 Percent Minority, by County*, 2000

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 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.



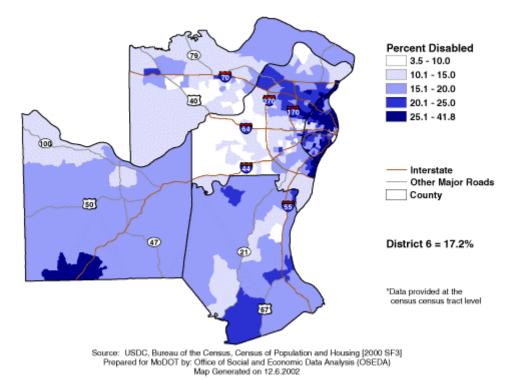
MoDOT Planning District 6 Percent Poor, by County*, 2000

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.

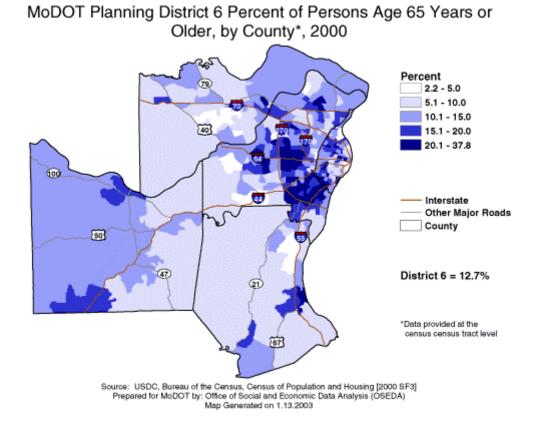
MoDOT Planning District 6 Percent Disabled, by County*, 2000



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

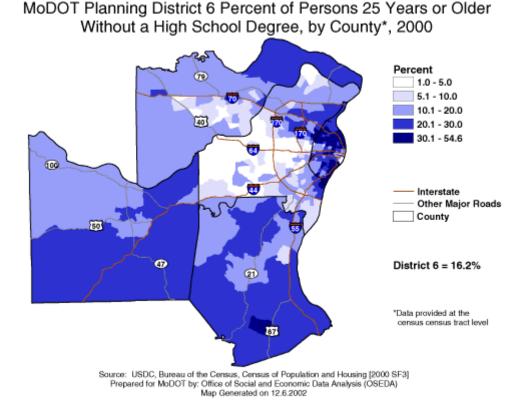
There was little variation in results of the three models for the disabled population. The models reveal that in the St. Louis Area District the elderly population is more likely to live in neighborhoods with higher median house values.



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.



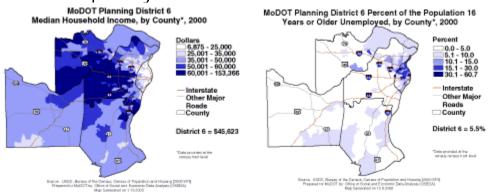
For the model that measures all protected populations (Model 1) and the model that measures the poor, disabled, and elderly populations (Model 3), neighborhoods that are occupied by a greater percentage of persons without a high school education are characterized by lower house values, lower rent costs, 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.

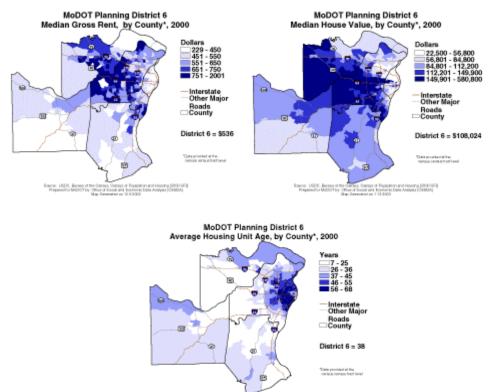
Indicator Selection Criteria

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.

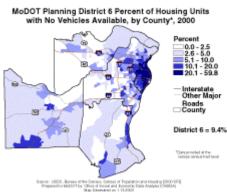


Median gross rent, median house value and the average age of the housing unit were used as measures of housing quality. Both median gross rent and median house value were included to capture the impact of quality of housing for both households that own and rent. Additionally, there is an established 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.



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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: <u>http://oseda.missouri.edu/modot/planning/interpreting_sem.shtml</u>.

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

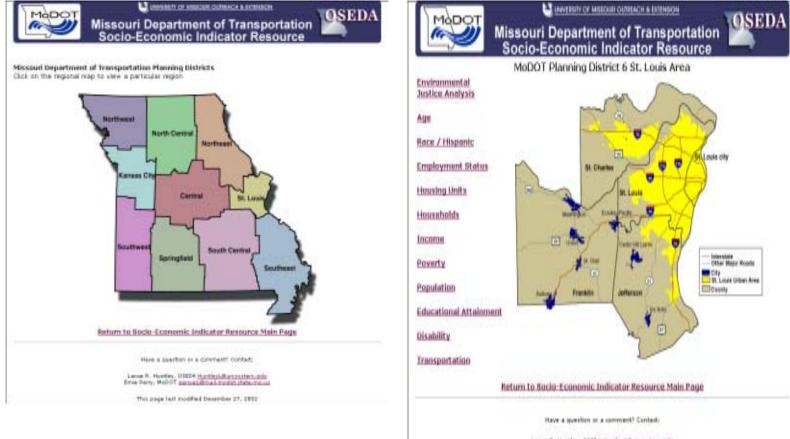
Rumberger, R. W. (1987). High School Dropouts: A Review of Issues and Evidence. *Review of Educational Research* 57:101-121.

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.

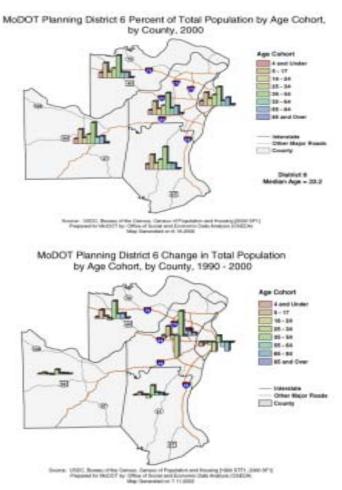
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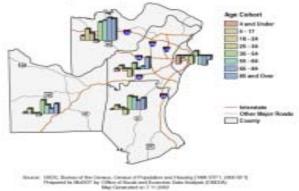
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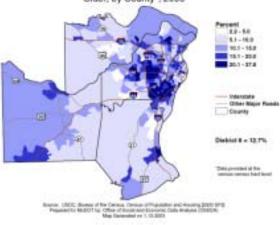
Age Maps



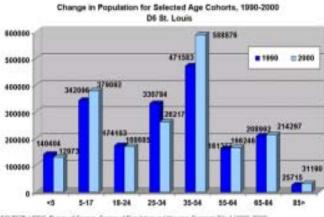




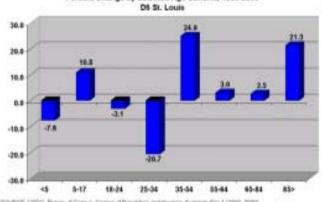
MoDOT Planning District 6 Percent of Persons Age 65 Years or Older, by County*, 2000



Age Charts



SOURCE USDC Bareau of German, Central of Population and Photomy, Summary File 1 (1980, 2006), Produced for The Office of Social and Economic Data Analysis, UCE (7: Disagress, April 2003)



Percent Change by Selected Age Cohorts, 1990-2000

SOURCE: USDC, Bareau of Centus, Centus of Population and Housing, Turnson Pilo 1 (1990, 2009). Protocol by The Office of Social and Economic Data Analysis, USE [F Drangton, April 2002]

Age Tables

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

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Missouri Population Age 18 to 24 Years and Age 25 to 34 Years, 1990-2000

D6 St. Louis

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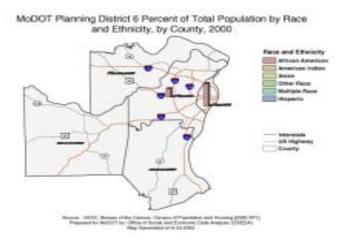
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| - | | - | | Seattler. | | - | | - | |
| | Stat. Lands | 216,397 | 208,992 | 6,385 | 25 | 31,100 | 25,7% | 1,4% | 313 |
| 20071 | Rombile. | 10,021 | 8,703 | 1,252 | 14.4 | 1,211 | 100 | 299 | ,28.5 |
| 20070 | Jahren . | 16,429 | 12.029 | 3,581 | 27.5 | 1,778 | 1,318 | 41 | 143 |
| 29163 | B Clubs | 22,479 | 11,208 | +20 | .09.4 | 2,371 | 1,434 | 849 | 10.0 |
| 29-389 | St. biok | 128,839 | 118,425 | 3,15 | 32 | 18,423 | 19,677 | 1.146 | - 26.1 |
| 29540 | th basis (By | 41,629 | 57,612 | -17,083 | -39.7 | 7,313 | 1,208 | -1.276 | -12.0 |

Missouri Population Age 35 to 54 Years and Age 55 to 64 Years, 1990-2000

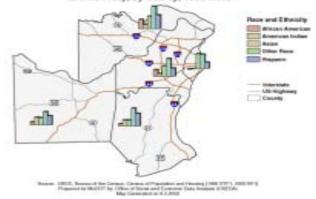
D6 St. Louis Area

| | Cining! | | | Obserge, 0 | | | | | |
|-----------------|-------------------|---------|---------|------------|------|---------|---------|--------|----------|
| k ing Kanila | | 1000 | | Minitian | | | | Senter | Personal |
| | 86 St. Louis Arra | 588,876 | 471,583 | 117.293 | 24.9 | 185,245 | 161.377 | 4,000 | 31 |
| 29071 | Tranklin | 28,403 | 12,000 | 8,263 | 41.5 | 6,60B | 6.010 | 1,710 | 20.3 |
| 29090 | Jefferson | 63,134 | 44,944 | 10,100 | 43.5 | 17,302 | 12,568 | 4,736 | 37.7 |
| 29163 | B. Challes | 81,203 | 68,217 | 32,916 | 66.4 | 22,000 | tagen | 8,819 | 61.3 |
| 29109 | St. Louis | 317,942 | 288,278 | 45,354 | 17.4 | 10,970 | 94,013 | -1,442 | 4.5 |
| 29510 | B. Losis Diy | 94,404 | 82,644 | 11,700 | 14.2 | 25,078 | 13,910 | -8,012 | 38.0 |

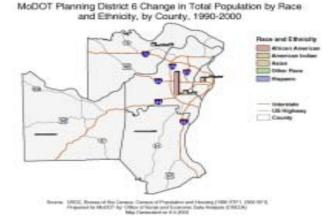
Race/ Hispanic Maps

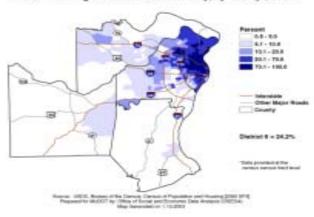


MoDOT Planning District 6 Percent Change of Total Population by Race and Ethnicity, by County, 1990-2000

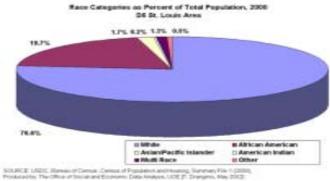


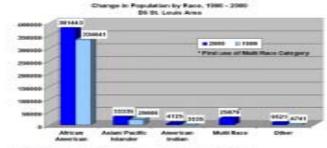
MoDOT Planning District 6 Percent Minority, by County*, 2000





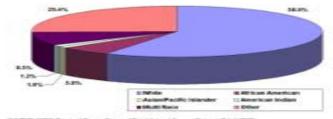
Race/ Hispanic Charts



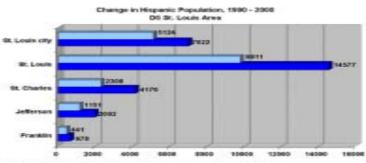


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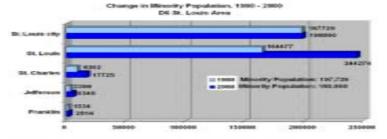
Percent Hispanic Population by Race, 2000 DE St. Lauis Area



SURVEY, DEC, Barris, P. Green, Tongo, et Paparetes and Process, Survey, P. & 10208, Producedby Rev (Rose of Social and Economic Code Feature, 108, p. Disegnet, Mar. 2002)



SOURCE USEC Boreau d'Owner, Dense of Repairton and Housing, Summary/Fee 1,000 Produceday, The Ofice of Social and Economic Data Invation, USE 17 Dringins, Mar 2002



SILVES USEC Bower, it Sense, Termini riPhysiolen and Housey, Summary Fes 1 (2001) Produced by The Other of Social and Economic Data Analysis (2001) Theopera, Hay 2002



Bourner UKDE, Bornau of Cernaux, Cernaux of Population and Housing, Summary File 2(2000) Produced by The Office of Secret and Dispress Data-Analysis. UKE((Computer, Anno 2000)

Race/ Hispanic Tables

Total and HufbRace Population in Hissouri, 1990-2000 D6 St. Lauis Area

| | 10000 | | | |
|------|--------------|---------|---------|----|
| | | | | |
| | 10.0 ind inc | 134120 | 307 | |
| 3691 | Prostation 1 | 31.807 | | |
| 208 | attacks: | 101,000 | 1.001 | |
| 3441 | a state | 303.001 | 3(4) | |
| 3481 | 10.500 | 1040345 | -10.041 | |
| 284 | W. Date Max | 340,168 | 8.594 | 14 |

Other Race Population in Hissouri, 1990-2000 D6 St. Louie Area

| | | | | | | -25 | |
|-------|----------------|-------|-------|-------|-------|------|-----|
| - | | | | | | | |
| 1 | IN # Losh inte | 168 | 47# | -4288 | 101 | 15 | 9 |
| 58(2) | 1 million | 180 | -101 | | 10 | .8.2 | |
| 2620 | Affeiteite | 479 | 28/ | | 100.4 | 82 | |
| 20100 | A Date | 1.30 | 18E | 78 | 10.8 | 8.8 | - 1 |
| 20189 | *** | 1,7% | 1.898 | 1.60 | 100 | 8.8 | |
| 2411 | in land the | 2,765 | -1300 | 1.376 | 18.4 | 8.8 | -0. |

in and Pacific Islander Population in Weissari, 1960-2000 D6 Mr. Louis Area

| | _ | - | | | Sec. 1 | 100 | |
|-------|----------------|-------|--------|-------|---------|-------|------|
| - | | | | - | | | |
| 1.0 | IN IL LOSS AND | 10,08 | (2,40 | 12,84 | | 1.1 | |
| and i | 8-1881 | - 612 | - #8/ | | 1.47 | 1.1 | |
| - | - | 174 | - 441 | 1.000 | 84 | 14 | - 81 |
| 10.04 | in laste | 2,09 | 148 | 1.054 | 120 | . 114 | - 11 |
| - | di kange | | 14.787 | 108 | . 10.1 | 11 | |
| - | It Look By | 1:00 | 1,191 | 1.84 | - 101 1 | - 34 | |

Hispanic Population in Hissouri, 2900-2008 DS St. Louis Area

| | | | | | | _ | |
|-------|-----------|--------|-------|--------|-------|------|------|
| | | | | | | | |
| | | 35,491 | 1,10 | -4.804 | 19.1 | 1.1 | 1.13 |
| 1971 | | 147 | - 48 | 100 | 1211 | 14 | |
| (80) | - | 3498 | 1,15 | . 90 | 729 | 1.0 | - 14 |
| 11-12 | a chaine | 4,11 | 1.49 | 1.965 | 1011 | 1.51 | - 13 |
| 1-10 | 81.000 | 14,571 | 2,000 | 4.10 | 401 | 1.4 | 1.0 |
| 18ml | a case of | 19528 | 1.134 | 1.000 | 10.00 | 1.0 | - 43 |

African American Population in Hissourt, 2906-2000 D0 St. Lavin Area

| | | | | | | all the | dan di |
|--------|------------|---------|----------|----------|------|---------|--------|
| - | | | | | | | |
| | - | 10.003 | 100.000 | | 141 | 100 | 181 |
| 1911 | markete. | - 100 | 1.000 | 110 | 174 | 1.100 | |
| 1878 | | 1364 | 1.00 | . htt | 124 | 10.4 | - 11 |
| 2mini | 18 Chatter | 100 | 4.001 | 381 | 10.4 | | 11 |
| 21110 | # 1.mm | 10,08 | 1-00.096 | 10.048 | | - 194 | |
| 246/11 | 1114-10 | 100,000 | 10.45 | - 10.048 | | . #11 | -41.5 |

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

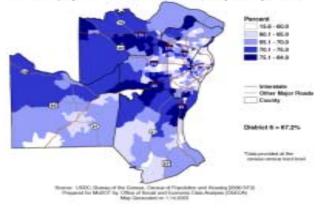
| | | | | | | - | τ.,. |
|-------|-------------|---------|--------|--------|-------|------|-------|
| | | | | | | - | |
| | | atical | INCR 1 | 10,780 | -24.9 | 262 | - 14 |
| 11000 | fields | 2204 | 1,014 | 1,000 | -12.4 | 3.8 | . 14 |
| 2010 | about | 1,141 | 1.88 | 1.00 | 01.8 | 12 | . 47 |
| 262 | N Date | 11,58 | 1,62 | 8,525 | 95.8 | 6.7 | - 84 |
| 21.8 | it tak | 205.274 | 156.00 | 20,00 | 41.5 | 24.8 | . 16- |
| 2610 | in task (by | 101/02 | wr.ma | 1.108 | 1.6 | 87.1 | |

American Indian and Alext Population in Hissouri, 1990-2000 D5 St. Louis Area

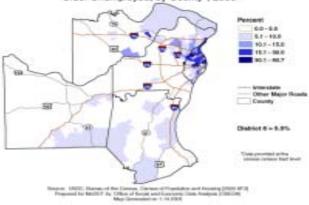
| | | | | - | | 122 | |
|--------|-----------------|-------|-------|------|-------|-----|----|
| | | | | | | | |
| | 1819 (100-00) | 4121 | 1.01 | 1.00 | - 162 | 42 | 1. |
| 29021 | traditi- | 150 | -86 | - 82 | | 6.2 | 6 |
| 1909 | attents . | 101 | -458 | 36 | 38.0 | 1.1 | 10 |
| 28.11 | in their | 607 | 1.2 | 128 | 28-1 | 63 | 1 |
| 781.08 | Rink. | 1.000 | 1.87 | 340 | | 6.3 | 12 |
| 29611 | the London Dire | - 602 | 1460. | - n | 140 | 431 | 1 |

Employment Status Maps

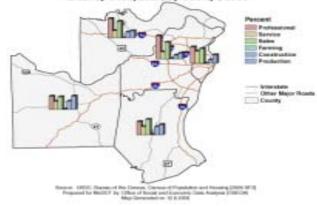
MoDOT Planning District 6 Percent of the Population 16 Years or Older Employed in the Civilian Labor Force, by County*, 2000



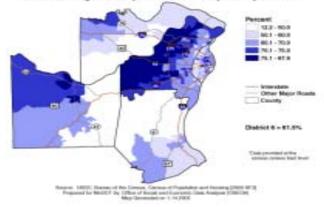
MoDOT Planning District 6 Percent of the Population 16 Years or Older Unemployed, by County", 2000

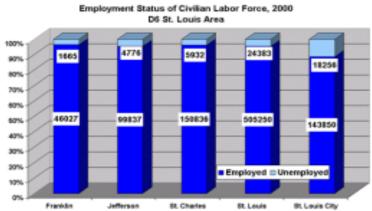


MoDOT Planning District 6 Percent of the Population 16 Years or Older by Occupation, by County*, 2000



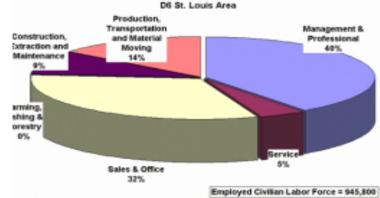
MoDOT Planning District 6 Percent of the Population 16 Years or Older Working in County of Residence, by County*, 2000





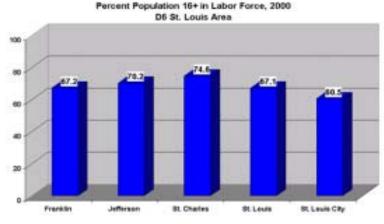
Employment Status Charts

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

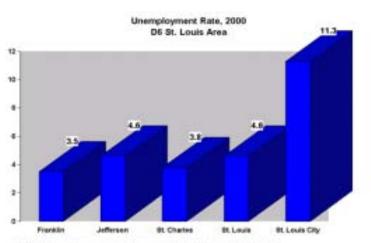


Percent Employed Civilian Population 16+ by Occupation, 2000

Iron USDC, Bureau of Census, Census of Housing and Population, Summory File 3 (2000) duced by The Office of Social and Economic Data Analysis, UOE, [TDranginis, August 2002]



Source: USDC, Bareau of Census, Centus of Housing and Population, Summary File 3 (2001) Produced by: The Diffice of Social and Economic Data Analysis, UOE, [TChangelis, August 2002]



Ince. USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000) duced by The Office of Social and Economic Data Analysis, UOE, (TCranginis, August 2002).

Employment Status Tables

| | | | | append to prove the | | man by branged | |
|--------|------------------|-----------------|------|---------------------|--|----------------|--------------------|
| | | | | | | | |
| | Time in a | | | | | | |
| | | Total Trated | | Section 1 | Table of the local division of the local div | Contraction - | 1 mail for such as |
| | IN N. Louis- | - 945 MIR | 81.9 | 14.8 | - 28.5 | . 83 | 121 |
| 2967 | Feasible Search | 40,027 | 21.8 | 14.4 | 22.4 | 14(3) | 24 |
| 200 | Antonio County | 10,027 | 21.0 | 14.7 | 28.1 | 18.0 | -16 |
| 29:90 | B. Challes State | 192,836 | 345 | 126 | -197 | 10.4 | -12 |
| 29.009 | W. Louis Course | 08,26 | 41.8 | 12:0 | 28.4 | 6.4 | -16 |
| 20110 | 18.1 mill (M) | 143.050 | 217 | (元) | | 52 | 15. |

Missouri Persons Working In County of Residence, 1990-2000 D5 St. Louis

| | Contraction of the local distance of the loc | | | | 1. ja (s. 1. | Personal distances | | |
|--------|--|---------|---------|---------|--------------|--------------------|-------|--|
| | | | | | | - | | |
| | No. of Contemporate | 551/72 | 541,080 | 31,772 | | 121 | 50.0 | |
| 108071 | Fundie County | 27.968 | 12,980 | 16,000 | 20.1 | 444.0 | 86.0 | |
| 2009 | antherios Exercity | 34.225 | 36.940 | -3,497 | 21.9 | 380 | 303 | |
| 290 | N. Charles Lines | 10,000 | 48,790 | 2,28 | 47.2 | 400 | -44.0 | |
| 2010 | M.Lask Conto | 188,742 | 100,210 | 26,522 | . id/1 | 220 | 87.1 | |
| 196.0 | the London day | 80.400 | 104.107 | -21,791 | -30.4 | 1000 | - | |

Missouri Unemployed Persons, 1990-2000 D5 St. Louis Area

| | | | | | | Principal of Chilling | | |
|-------|------------------|--------|--------|--------|-------|-----------------------|------|--|
| - | | - | | | | -2000 | | |
| | OF R. Louis Amu | 56pt2 | 51,429 | -1,407 | -25 | 5.8 | 1.0 | |
| 29071 | Arantalis County | 1,985 | 2.418 | -151 | -31.1 | 35 | \$1 | |
| 29000 | John on County | 4,776 | 6,731 | -936 | 6.1 | 13. | -6.5 | |
| 29460 | St. Dantes Court | 6362 | 4,479 | 1,855 | 325 | 2.8 | 3.1 | |
| 22120 | St. Louis County | 24,380 | 23,992 | 433 | 1.0 | +8 | 4.5 | |
| 29530 | the Louis city | 10,255 | 18.072 | -1686 | 0.1 | 11.2 | 11.1 | |

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

| | | Shiften Labor Feirce | | Change 1990-2000 | | Tatal Repleyed | | clarge 1990-200 | |
|----------------|---------------------|----------------------|---------|------------------|---------|----------------|---------|-----------------|-------|
| Files Contr | | 29000 | | Nomber | Percent | 3000 | | Nomber | |
| | OF St. Louis Area | 1,000,812 | 957,864 | 48,118 | 4.6 | 945,800 | 901,265 | 44,535 | 4.9 |
| 29071 | Franklin County | 47 592 | 39,964 | 7,709 | 19.3 | 46,027 | 37,568 | 11,469 | 22/4 |
| 29000 | Jeffeesan Oxwety | 104,613 | 10,000 | 16,523 | 10.0 | 10,00 | 62,549 | 17,400 | 21.3 |
| 29163 | 9. Charles Court | 155,758 | 116,870 | 39,095 | 341 | 150,836 | 112,389 | 38,443 | 342 |
| 291時 | 9. Louis County | \$29,633 | 631,474 | -1,541 | -0.9 | 505,250 | 607,521 | 3,271 | -8.4 |
| 29610 | St. Louis city | 182,106 | 181,308 | -19,200 | -10.6 | 143,950 | 181,434 | 17,584 | -10.9 |

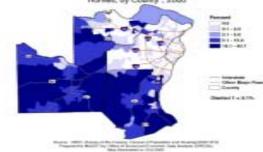
Population Age 16 Years and Over in the Armed Forces, 1990-2000 D6 St. Louis

| | area Transformed | | | Court at the | | make derived if arrays | | | Promision instant of Promote | | |
|-------|---------------------|-------|--------|-----------------------|------|------------------------|----------------|-----|------------------------------|-------------------------|--|
| | norte - | . , | | Charge Local Lines | | | Charge 1930 | | | Durage 1980- 1988 | |
| | | - | Lunio. | - | 2000 | 1980 | (meter) | | 1990 | Nanker | |
| | an m Lines | 1,196 | 2,121 | -345 | 4.94 | 1,608 | -1773 | 960 | 623 | 479 | |
| 29071 | Rushin . | - 25 | 27 | -0 | 25 | 21 | 3 | 0 | .0 | 1 | |
| 24395 | Arrest | 112 | 173 | - 41 | \$2 | 158 | -63 | 20 | 15 | | |
| 29.83 | St. Charles | 304 | 38 | -(45 | 121 | 380 | -10 | 83 | 76 | 17 | |
| 20.00 | M. Louis | 722 | 1200 | 489 | 401 | 128 | -429 | 225 | 385 | -140 | |
| 29610 | St Looks City | 129 | 291 | - 140 | 101 | - 217 | 0.00 | 72 | 26 | - 40 | |

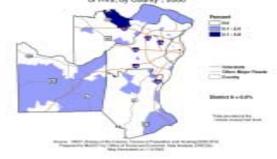
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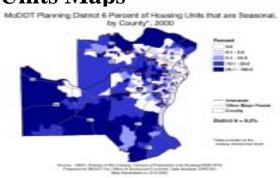


MoDOT Planning District 6 Percent of Housing Units that are Mobile Homes, by County*, 2000

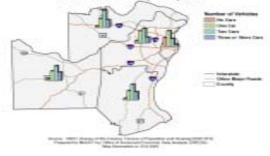


MoDOT Planning District & Percent of Housing Units that are Boats or RMs, by County", 2000

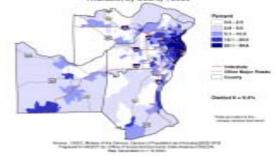


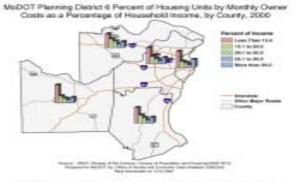


MoDOT Planning District 5 Percent of Housing Units by the Number of Vehicles Available, by County, 2000

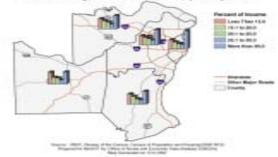


MoDOT Planning District 6 Percent of Housing Units with No Vehicles Available, by County*, 2000

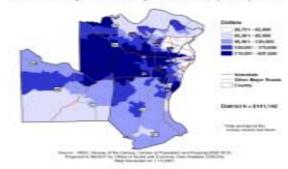




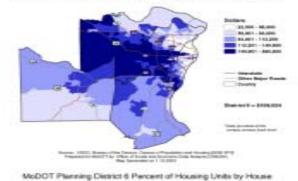
MoDOT Planning District 6 Percent of Housing Units by Gross Pert as a Percentage of Household Income, by County, 2000

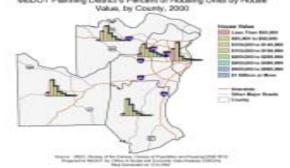


MoDOT Planning Dathch 6 Average House Value, by County*, 2000

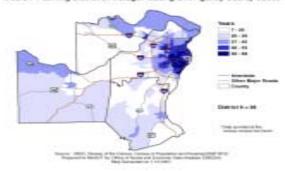


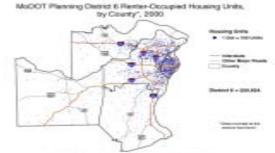
MoDOT Planning District 6 Median House Value, by County*, 2003





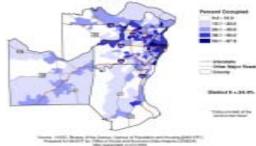
MoDOT Planning District 6 Average Housing Unit Age, by County", 2000





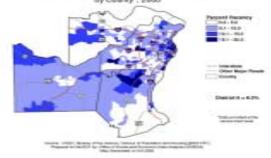




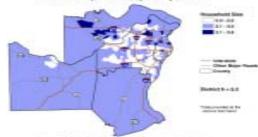


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MoDGT Planning District & Rantal Vacancy Rate, by Ceanty", 2000

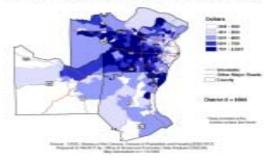


MoDOT Planning District & Average Household Size of Renter-Occupied Units, by County", 2900

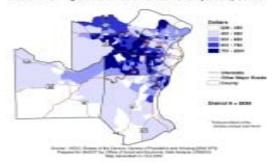


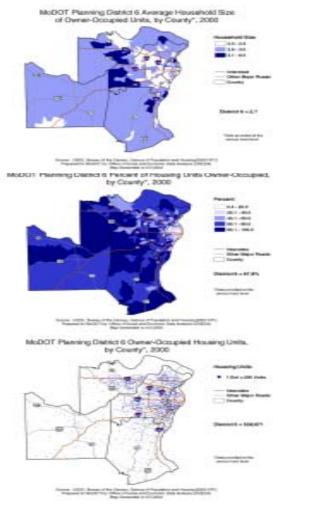
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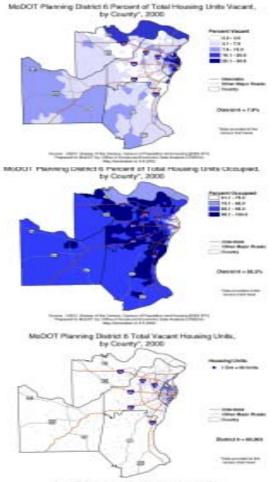
MODOT Planning District 6 Average Grass Hent, by County", 2000



MoDOT Planning District 6 Median Gross Rent, by County*, 2000





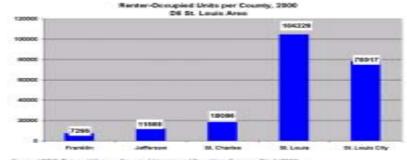


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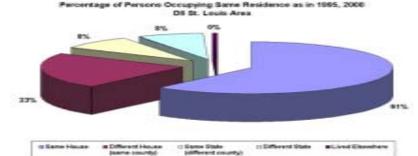
Housing Units Charts

Percent Owner-Occupied Housing by Market Value, 3080 D5 St. Louis Area 45. 25. 45. 10% 100% 1215 1275 25% 8 less/ther 550,000 #180,000-3709,000 = 1100 (DD-1248,205 2 1750,201 - 1 190,000 · Linkson - spectrum INTERNATION AND A REPORT OF · BUDDIERD. Same and 11.57.000.000-0.000

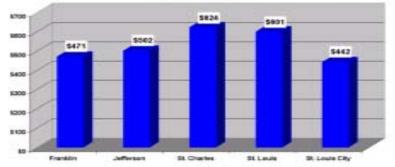
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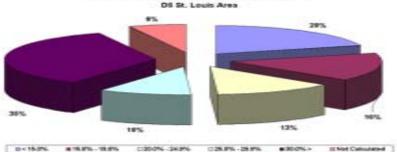
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Median Gross Rent, 2000 D5 St. Louis Area



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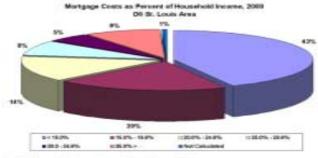


Rent Costs as Percent of Household Income, 2000

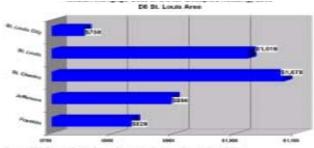
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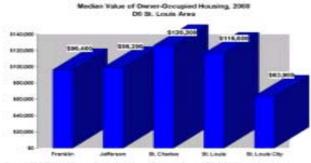
Housing Units Charts



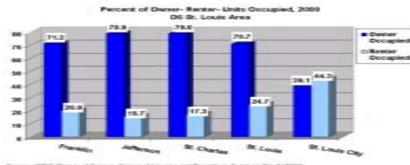
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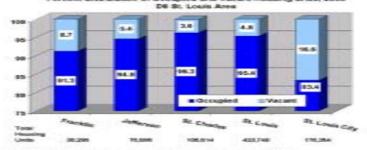
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Bowie USEC Stands of Centus, Cansus of Hausing and Population, Sciences Print (2008) Produced by The Office of Social and Ecologies (2016; Andyro, USE; JCC) angels, August 2012)



Baseur USEIC Review of Exercise, Cansul int Housing-and Frequencies, Summery File 1(2000) Producedity, The Office of Social and Economic Data Analysis, UDE (7Dhangers, May 2002)



Percent Distribution of Occupied and Vacant Housing Units, 2906 D6 St. Louis Area

In USDC, Ranker d'Central, Central of Housing-and FlipMatter, Summery File 3(2000) and by The-Office of Social and Economic Data Analysis, UOE, 7Changers, May 2002.

Housing Units Tables

Tatal Housing Units in Hissauri, 1990-2080 D6 St. Lauks

| | - | - | | Theory I was seen | | |
|----------|-------------------|----------|---------|--|------|--|
| - | | | | | | |
| | 4.4 int | 100.00 | 17.5788 | 11/10 | 1 4 | |
| 1007 | - | 8.39 | 20.001 | 1000 | | |
| begreet. | - | 1108 | BACK. | 0.67 | | |
| 20100 | to conside | 100104 | - 10.01 | 2.40 | 28- | |
| - | | -421,981 | 411278 | The last states of the last stat | | |
| 1000 | the income street | 75.00 | 100.011 | - | - 18 | |

| Waterman . | And in case of the | read fired and Munitiv | ing Bearing upon pulling | To expansion |
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| - | | - | | | - | - | - |
| | | - | 22.4 | - | | - | |
| - | - | - | | | | - | |

Wissouri Investage Housing Italian and Hantbly Cost as a Percentage of Recented Concerns, 2000 36-32, Local Anna

| - | | | | - 14 C | | | | and the second |
|------|------------|--------------------|-----|--------|-------|------|---|----------------|
| _ | | | | - | ~ | _ | - | |
| 1.00 | | | 1 | | | | | |
| | 1.1. i ant | P | | | | - | | |
| - | - | B | | | 100.0 | 24 | | |
| - | Danis . | P-14 | | - 1 | | | | - |
| - | 1.000 | 1.0.0 | | | - | | | - |
| - | States. | 100.00 | 8.2 | - | | 2.00 | | |
| - | | all the local data | 600 | 19.0 | - | 1.11 | | |

Hissauri Heasing Entl Vacancy Rates, 1998-3008 D5 St. Losio

| | | | - | | | |
|---------|------------|------|------|-----|------|--|
| | 10.0 inte | · · | | 8-4 | 12.4 | |
| - | Trailly . | 1.17 | 1.0 | | | |
| 10000 | affects. | 1.3 | 1.17 | 811 | 10-1 | |
| (march) | a natio | - +3 | | | - 14 | |
| 20100 | | 1.3 | 1.00 | 8.7 | 3.4 | |
| 1000 | 10 million | | Tank | | 10.1 | |

Rander-Occupied Hausing Units in Maseuri, 1990-1800 D6 St. Louis Area

| | | | | | | - | | - | |
|---|---------------|---------|---------|--------|------|---------|--------|-------|------|
| | | | | | - | | | | |
| | MIN Logis has | | 11.01 | 4.28 | | and a | 21 | - 11 | - 2 |
| - | frankter . | 1.000 | 1,78 | 1.000 | 30.0 | E.1 | 20.0 | 2.1 | - 24 |
| - | omene: | m (200) | 11.00 | · 192 | | - Maria | 14.6 | - 24 | |
| - | R. Chaine | 10,000 | 11.14 | 11.4 | 43 | 100 | 20.8- | - 11 | 12 |
| - | - | 104042 | 181,257 | 4.5% | 15.4 | 2019 | 28.1 | 1.2.8 | |
| - | to i and the | 10.00 | 10.019 | 15.445 | | -8111 | 194.31 | 21 | |

wher -Occupied Boasing Emits in Missouri, 2980-3980 D5 St. Louis Anas

| | | | | | | | - | | |
|---|--------------------|-----------|---------|----------|---------|--------|---------|-----|--|
| | | | | | | | - | | |
| | Sector Constraints | 100.011 | 45.274 | 4.25 | 1 | 141 | - | 1.1 | |
| - | | 17.270 | 1.00 | 4.787 | | | | 1.7 | |
| - | - | | - | | 1. 1000 | and a | - | | |
| - | 18.10am | 10.261 | 31.791 | 34,771 | -811 | 1000 | - 10p-4 | -18 | |
| - | wines. | 100 (527) | 101,044 | - 18.627 | | 144-1 | 1000 | 2.8 | |
| - | to installer the | -10.00 | 74.780 | -0.877 | 278 | - 1007 | 100.0 | 2.0 | |

Sotal Vacant Heating Enils in Histouri, 1990-2008 D6 St. Levie

| | | | | | | - | - |
|---------|----------------|---------|--------|--------|------|-------|-------|
| | | | | | - | | |
| | and the second | - | 04,210 | +215 | 46.7 | 10.7 | -12.6 |
| 2811- | - | | 588 | -345 | 4.2 | 81.1 | |
| (mail) | - | 4.007 | 4.35 | -87 | 41 | 714 | 8.2 |
| 2442 | - | 1.000 | 1.75 | - 100 | | 1.00 | 8.0 |
| 27.9851 | and the second | 10,00 | 2.79 | -2080- | | - 100 | 8-0 |
| 200 | the same life | increa. | | 1.100 | -1.4 | 1944 | 16.0 |

Tatal Occupied Reasing Units in Hissouri, 2050-2080 D6 St. Losis

| | | | | | | | ÷ |
|---|---------------------|----------|---------|--------|------|--------|--------|
| | | | | | - | - | |
| | 1010 mm | instante | = 10- | 0.264 | 7.8 | - 10-1 | |
| - | - | 10,000 | 10.000 | 1.000 | | 971.8 | - |
| - | - | 21.000 | | 10,000 | | ines. | - 8112 |
| - | St. Library | 10.00 | 14.50 | 27.260 | 38.2 | 30.4 | |
| | the Australia | 44.772 | 980,000 | 36.06 | 10.4 | 101-4 | - 945 |
| - | the property little | 1.47.389 | 100.011 | 17.386 | | 379.4 | - |

Housing Units Tables

Hisseuri Boat and RV Housing Units, 1999-2000 D6 St. Louis

| | - | | - | | | - | |
|-----------|---------------|------|-------|----------|----------|--------|------|
| | denies Lande | 344 | 1,000 | 100 | | | |
| 24071 | Tank Gara | | - 201 | -84 | - 22.0 | 2.4 | 10.4 |
| 2808 | armone been; | - | - | - 221 | 28.2 | 11.1 | |
| provide a | + 11-11-1 | - | 100 | -411 | | 12.1 | 10.0 |
| (annial) | B Loss Carety | -20 | 2,68 | - System | | - 10.0 | 12.4 |
| 20014 | + Lasting | - 20 | 2485 | - 200 | - 246.31 | 10.0 | 1.1 |

Miseouri Heasing Units thad are Weblie themes, 2000-2008 D6 55, Louis Area

| | | | | | | _ | 1.0 |
|--------|--------------------|--------|-------|------|-------|------|--------|
| | | | | | | | |
| | Be the case of the | - | | -148 | | 20 | |
| | - | - | 1.000 | | -41.0 | | |
| - | | -2.766 | | | 1.0 | 10.0 | |
| 10000 | - | 3.45 | 4.700 | - | | 2.4 | 10.1 |
| | - | 1.000 | 1.85 | | 100.0 | | - 10-1 |
| 100000 | the interaction | | | | | | - 24 |

Vacent Seasonal and Recreational Use Hausing Units in Hissouri, 2000 06 St. Louis Area

| | | | The second second |
|--------|------------------------|--------|--|
| - | | | the state of the s |
| | O CLASSES | inger- | |
| 200219 | Franklin Streets | 1,259 | 810 |
| | (and the second second | 1026 | 201 |
| Jan B. | W. Claster Steel | 1480 | 100 |
| 20100 | the basis branky | 1076 | 18.1 |
| 100.00 | the locate star | | |

Decapied Resaing Enits by Number of Vehicles Available, 2080 D6 St. Louis Area

| | | 1 | | _ | - | |
|---|-------------------|------------|--------|----------|--------|--------|
| | | | | | | - |
| | 100 W. Jand-Man- | 100.000 | | per- | | |
| - | | 100 (546) | | - 27-1 | -81.4 | |
| - | - | 275,400 | 4.2 | 20.00 | - 4612 | 200 |
| - | the Design Design | increased. | 2.9 | 2010 | 87.4 | 200 |
| - | the same lower by | Ana Ana | | - 199-15 | | - 1944 |
| - | the lands when | 140.270 | - 18.2 | 45.01 | | But |

Hedian Value and Rent of Occupied Housing 6485, 1990-2008 D6 St. Louis

| | - | | | Manager 1 | - | | - | | |
|--------|--------------|----------|-------------|-----------|---------|--------|-----------|-------|-------|
| - | | | | | | | | | |
| | - | 1100.500 | Bellings: | Fillen | 100.0 | 10.77 | 862 | 4.00 | -1.5 |
| 100011 | trank. | 38.80 | \$19.40 | 1000 | 1. 20.1 | 1.017 | 8464 | - 40 | - 21 |
| 10.00 | and some the | 99.261 | 894-001 | 14.30 | | ettal. | BOHC. | . 441 | -7.1 |
| - | a name | 1100.000 | 410.00 | 11.000 | 11.4 | MCA. | - | 8.0 | 4.4 |
| 21100 | 10. page | 1 | aport chief | 8.000 | 0.1 | 1000 | Balline . | 4.20 | - 4.1 |
| 10000 | m. Louis my | 00.000 | BARRY. | 200 | | Date: | - presi | 2-4 | 41 |

essant interacting Under Built 5 Peters Prior to Ster Census and Average Age of all Under, 2000. 20192 Localit Rese

| | | - | | |
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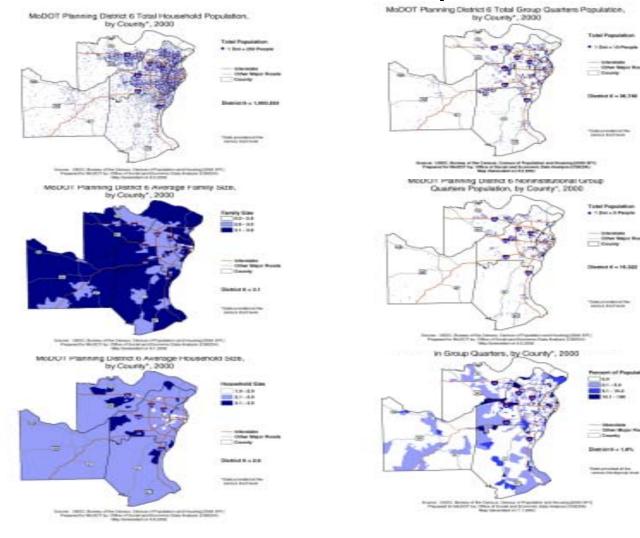
Preasing Ent Structures Skult Suring the Decade, 1990-2008 D6-59, Louis

| | | | | | - | |
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| | | | | | | |
| 100.00 | - | - CO. | | | 100 | |
| 1001 | | | 404 | | - | |
| centre Cantone | • high | | | | 2007 | - 20.1 |
| and the sec | - 202 | 200 | 1.001 | 2.0 | 2017 | |
| | | e erae | | | 100 | 147 |
| pages lives and | | | | | | |

Hausing Unit Structures Sull Before 1940, 1990-2000 D5 St. Louis

| | | | | | | - | |
|-------|------------|---------|---------|---------|-------|------|----------|
| 120 | | | | | | | |
| | 10.00 | 10.01 | - | -26,477 | -94 | 67.2 | |
| 2021 | Transfer 1 | 4.1% | -124 | 26 | . 812 | 12.8 | 116.4 |
| 2000 | | -4.758 | -4.200 | 1.145 | | 4.2 | |
| 1000 | a chain | 1.001 | 1.19 | | -8.2 | 3.1 | |
| (mage | **** | +0.00 | 44.235 | 2.08 | -410 | 41 | 110 |
| 000 | w.t.em.thr | 100.048 | 100.000 | 21.948 | 10.0 | 40.0 | - 1000 1 |

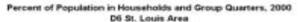
Household Maps

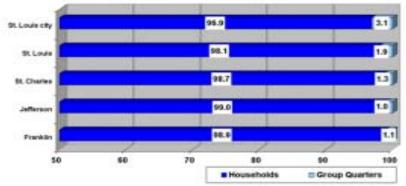


Household Charts

Family Households as a Percent of Total Households, 2000 D6 St. Louis Area 100 23.7 24.2 25.5 30 33 80 47.7 70 60 60 76.3 73.5 75.8 40 67.0 30 52,3 20 Family Households Non-Family Households 10 . Franklin Jefferson St. Charles St Louis St. Louis city

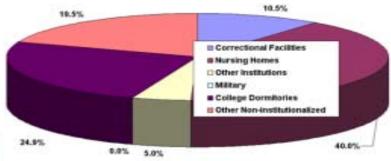
Source: USDC, Bureau of Censue, Censue of Population and Housing, Summary File 1 (2000) Produced by: The Diffice of Social and Economic Data Analysis, UOE (TDranginis, May 2002)





Source: USDC, Burneu of Census, Census of Population and Housing, Summary File 1 (2000) Produced by: The Office of Social and Economic Data Analysia, UCE (TDranginia, May 2002)

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



sures: USDC, Bureau of Census, Census of Population and Housing, Summary File 1 (2000) educed by: The Office of Social and Economic Data Analysis, UCE (TDranginia, May 2002)

Household Tables

Total Family Households in Missouri, 2090-2000

111

| | | | | | | - | | | |
|------|--------|---------|---------|--------|--------|---------|-------|-----|-----|
| | | | | | | | | | |
| | - | 100.00 | -401528 | 16,002 | 2.4 | 100.7 | | 2.1 | |
| 1000 | | 20.000 | 12,248 | 1.48 | 10.01 | 29.9 | | | |
| - | | -34.528 | 6.00 | 7.80 | 100.00 | 26.3 | 7847 | | |
| - | - | 100,004 | 8.2-4 | 10.000 | 22-4 | 17915 | | | 1 |
| - | T Lost | | 2711.02 | 100 | | 10710 | 10.1 | -84 | 100 |
| - | 0.1mm | -14.000 | | | - | - 102.5 | -86-2 | -21 | - |

Residence of Population Long in a Stifferent State of Advance, 2000-2010 2019.51 (pairs

| | | | | | | | _ | | | | |
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| _ | - | | - | - | | - | | - | - | - | |
| | - | - | | | | | | - | - | | |
| _ | - | | | | - | - | | | | | |
| - | | | | | | | | - | | - | |
| - | | | | - 100 | - | - | | | - | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|--|
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| - | | | _ | | - | - | | - | - | - | - | |
| | | | - | | - | | | | | _ | | |
| - | - | - | | - | | - | - | | - | | - | |
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| | - | - | - | - | - | - | - | - | - | | - | |
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| | | | | | - | | - | | | | |
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| | - | | | - | - | | | | | | - |
| _ | | | | | | | _ | | | | _ |
| | | - | | _ | | - | - | - | | | - |

Tatal Huumebolde in Hiesouri, 1998-3080 36 St. Louis

| | - | - | tenatr | - | | 24 | |
|--------|----------------|---------|---------|---------|-------|-------|--|
| 1000 | | 3n.04E | - | - | | - 11 | |
| - | | 11.000 | - | 1.1.200 | | .17 | |
| 100100 | | 40.002 | 14,52 | 27.000 | 16.4 | 1.124 | |
| | 11.1mm | 404.000 | 780.700 | | -0.4 | - 24 | |
| 2010 | the same state | 10.005 | 10000 | | -12.4 | | |

Neminahitutionalized Pegulation in Greap Quarters, 1990-3006 D5 St. Louis Area

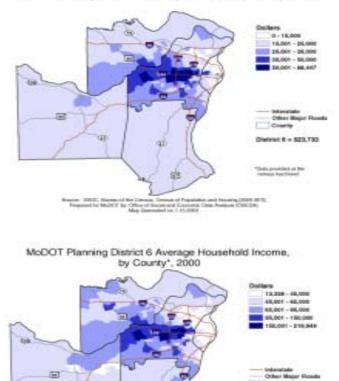
| | | | | | | - | |
|-------|----------------------|-------|--------|---------|--------|--------|------|
| - | | | | | | | |
| | NO. OF London Series | 10.22 | 10,241 | 1.40 | - 4412 | +1 | |
| 79.27 | | 12.0 | | | 1800 | - 11 | |
| 2000 | 207000 | 1.006 | | - | 100.00 | - 10.0 | 10.1 |
| 39.05 | St. Darks | 14.11 | - 28 | 1,740 | - | -1.9 | |
| - | di tanin | 11206 | 10,248 | 1200 | - 2016 | - 147 | 10.4 |
| 200.0 | R padr Re | 1.000 | 4.000 | 1 (200) | 2.0 | 1.7 | - 13 |

Institutionalized Population in Group Quarters, 1990-2080 D6 St. Louis

| 122 | | | | | | | |
|--------|-------------------------|-------|--------|--------|-------|---------------------------------------|------|
| | ALC: 199 | 2000 | 20,106 | 1.00 | -shi | | |
| 1000 | | - | - | | 100 | · · · · · · · · · · · · · · · · · · · | |
| work. | - | 1.000 | 1,200 | | - 18 | - 417 | |
| - | - | 1.80 | -1.27 | | 4.11 | · | - 10 |
| - | a last | | 12.081 | | -84 | 1.2 | |
| 100.00 | A Local Diagonal Street | 4.007 | 1.000 | 1.1000 | -3814 | 1.1 | |

Income Maps

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

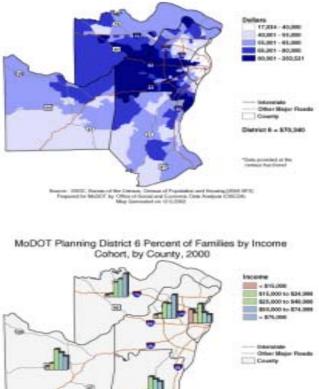


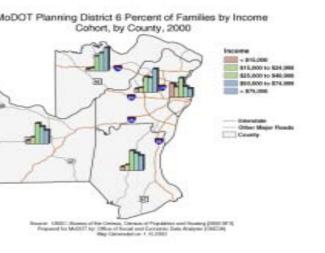
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Courty Disbist 6 = 589,789

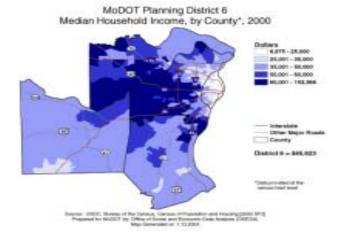
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MoDOT Planning District 6 Average Family Income, by County*, 2000

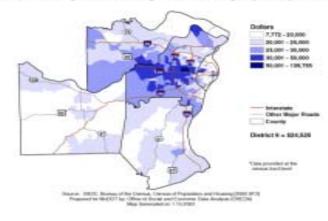




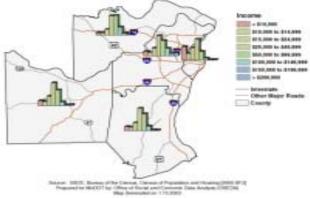
Income Maps



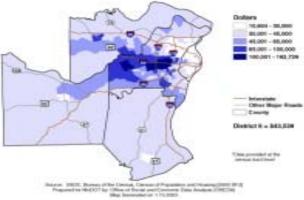
MoDOT Planning District 6 Average Female Earnings, by County*, 2000



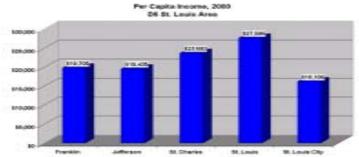
MoDOT Planning District 6 Percent of Households by Income MoDOT Planning District Cohort, by County, 2000



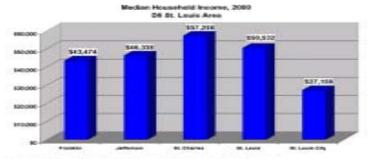
MoDOT Planning District 6 Average Male Earnings, by County*, 2000



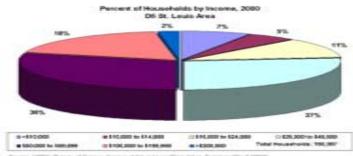
Income Charts



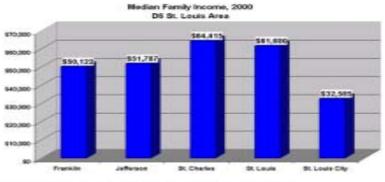
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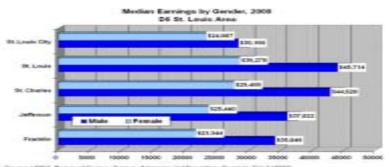
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Source, USDC, Darses of Consol, Canasard Housing and Proceeding, Surgeout We 5 (2012) Produced by "Sec Otice of Source and Economic Data Images, VDE (20) angles, August 2012)



Source: USDC, Barraw & Center, Center, Ministry and Population, Summary File 3 (2005) Produced by The Office of Social and Economic Data Analysis, UOE, ("Orangins, August 2012)



Source USDC, Bonas d'Conso, Danue et Musing and Population Summary Field (2000) Produced by The Office of Social and Scicence Sale Analysis, USE ("Changins, August 2003)

Income Tables

Median Household and Family Income, 1989-1999 D5 St. Louis

| | a second s | | | (Incode) | | | | and the second s | |
|--------|---|----------|----------------|----------|------|---------|----------|--|--------|
| | | | | | | | | | |
| | 1818.148 | \$40,764 | 90.24 | 42.991 | 10 | 101.000 | 101.041 | 94349 | |
| 20011 | Fig-60 | \$51,510 | 87.85 | \$10 | 18.4 | 10.00 | \$41,467 | 10',005 | 1.1.11 |
| 26000 | Affects . | 14.70 | 92.95 | \$4,201 | - 00 | 851,787 | \$41,307 | 4.36 | |
| 29.000 | ti, ibatte | 107,200 | with the state | 14051 | | 904.005 | MOI | 46.202 | 1.0 |
| 28.000 | M. control | 100.022 | 1840/142 | \$191 | 14 | 811,540 | \$10,000 | 10,983 | |
| 2680 | ALC: NOT THE OWNER | 101.100 | 101.08 | 0.175 | 112 | \$12.58 | 621,889 | 1010 | . 21 |

Missouri Miscellaneous Income Measures, 2000 D6 St. Louis

| | | | | | | - |
|--------|----------------|--|-----|---------|-----------|---------|
| | | | | | | |
| | 10.0 Lot | and the second s | 4.4 | 1000 | 101,578 | \$11,71 |
| 3671 | Trietle Davidy | 1.58 | 3.1 | 107.48 | Mri Silli | \$10,2 |
| 2630 | And in case of | 2,794 | 14 | 100.034 | 121.485 | 110 |
| 2003 i | B Date line | 2,178 | ±1 | 807.00 | \$64,200 | \$23,8 |
| 2488 | W. Look County | 10,081 | 3.4 | 920.008 | 426,4237 | 17.3 |
| best. | O. Look day | 18,101 | 100 | 82.09 | 121.299 | 100 |

Misseuri Family Encome Distributice, 3908 D6 St. Leuis Area

| | | | | | | | | 200 |
|---------|------------------|-------------|------|------|--------|-------|--------|--------|
| = | | 10 - | | | - | | - | |
| - | 2.2.144 | 46,71 | 4 | | 23 | 242 | - 400 | 17.54 |
| 20071 | County - | 20.00 | | 16.0 | | | 201 | P10.50 |
| - | (Laure) | 14,000 | - 64 | | - 10.4 | | - 10.0 | 84.7 |
| - | a chain | 27,452 | | | 5.90 | 1000 | 276 | 475.5 |
| | E Look Savey | 21.04 | | 1.7 | | | - 394 | |
| 2000.00 | the locate state | 17,708 | 201 | 8.21 | 2012 | 12.21 | 10.7 | MON. |

Missouri Household Income Distribution, 2000 D5 St. Leuis Area

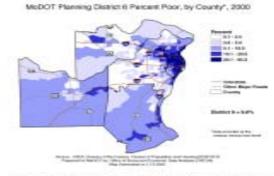
| - | | | | | | | | | | | |
|-------|--------|---------|--------|-------|-----|-------|-------|------|------|-------|-------|
| | 3 | 10,07 | - | - 14 | | - 201 | 26.9 | | - 10 | - 28 | 80.78 |
| 100 | - | Film | - 67 | 4.8 | | 32.4 | 22.1 | - 51 | | 1.00 | PC:0 |
| - | | 1.30 | 10 | | | | 201 | 1.4 | | 1.167 | 10.0 |
| and a | - | 10.00 | | - 1.1 | 74 | 21.4 | 2*+ | -11 | 1.8 | - 14 | 84.0 |
| | 1.10 | 4400 | - 407 | -4.5 | | 200 | 204 | 4 | 12 | | 80.0 |
| - | 1. mar | 147,246 | - 10-1 | | 174 | 30.0 | 62.21 | 24 | | | 10.00 |

service of the servic

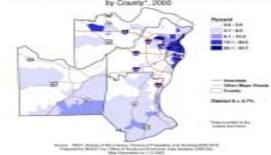
Median Family Income and Selected Family Income Categories, 1989-1999 D6 St. Louis

| | 100 | | | - | | | | 1.0000 | | |
|-------|--------------------|-----------|----------|---------------------|------|------|----------|----------|------|--------|
| - | | | | Arease Backgroup | | - | | 扫描 | | STREET |
| | 11.1 1000 | \$06.672 | #5390 | 415 | 243 | 38.2 | 411,455 | 162 (34) | 84.9 | 20.1 |
| 671 | August to | 25,007 | 800,1022 | 41.0 | 2011 | 22.1 | 11,268 | \$42,007 | 79.3 | 35/6 |
| 095 | - And Services | -54 (2017 | \$1.70 | 47.1 | 28.4 | 28.4 | 47.54 | 846.367 | 75.8 | 19.2 |
| 120 | N. Dates | 17,423 | 104,415 | | 29.7 | 30 | 10.30 | 100.252 | | 20.3 |
| ige . | 81.100 B | 202534 | 48 U80 | 5.204 | 23.7 | 36.4 | 17 (179) | 80,000 | 58.7 | 26-2 |
| 0.0 | the Locale Life | 17,794 | 111.98 | | | 127 | 104 | 827 2829 | 942 | 11.5 |

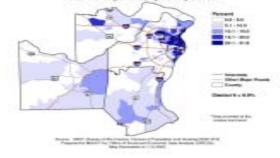
Poverty Maps

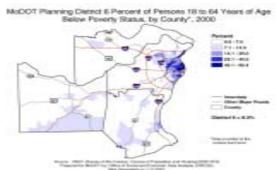


MoDOT Planning District 6 Percent of Families Below Poverty Status, by County*, 2000

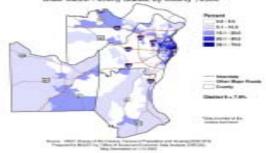


MoDOT Planning District 6 Persons Under 18 Years of Age Selow Poverty Status, by County*, 2000

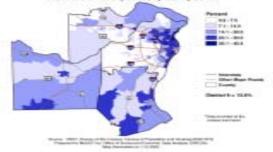




MoDOT Planning District 6 Percent of Persons 65 Years of Age or Didar Selow Poverty Status, by County*, 2000





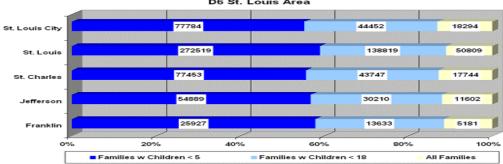


Poverty Charts

800000 All Persons Under 18 All Persons Over 18 700000 □ All Persons 65+ 600000 500000 400000 300000 200000 100000 0 -Franklin Jefferson St. Charles St. Louis St. Louis City

Persons in Poverty by Age, 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, [TDranginis, September, 2002]



Families in Poverty, 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, [TDranginis, September, 2002]

Poverty Tables

Hissouri Papulation Between 10D and 200 Percent of Powerty Level, 1990-2000 DS St. Louis

| | La | |
|--|----|--|
| | | |
| | | |

| | | | _ | | *** | Property lies | |
|--------|------------------|--------|---------|--------|-------|---------------|------|
| | | | | | | | |
| | 00 (H. José) | 38,23 | 201201 | -171 | . 83 | 134 | 14.1 |
| 29071 | Acadebic Streety | 96,007 | 16088 | -1,563 | -4.6 | 16.1 | |
| 29088 | internet loanly | 28,801 | 77.942 | 1.544 | 5.8 | 18.0 | 10.1 |
| 20101 | B Garden Same | 20,427 | 21,104 | 3,440 | 8.1 | 0.0 | - 80 |
| 2998 | St Louis Courts | ++,114 | 104.087 | 10,137 | . HLB | 111 | 10- |
| 200.00 | W. Londo Mar | 19.005 | 00234 | -10001 | -14.1 | 218 | 22.0 |

Hissouri Population Age 65 and Over Below Poverty Level, 1990-2000 06 St. Leuis Area

| | | | | | | Research 100 | |
|--------|------------------|--------|--------|--------|-------|--------------|-------|
| | | - | | - | | - I FRAME | |
| | 10 To 1 and 1000 | 10,254 | 2,58 | 4,152 | 10.5 | 0.20 | 10 |
| 1705 | Persitie Survey | - 998 | 1,000 | 100 | -140 | | 71 |
| 10000 | Anterior Doomy | 11008 | 1,007 | -020 | -01 | - 63 | 10 |
| 28.52 | R: (Darbe Court | 1.215 | 801 | 42 | 51.3 | 5.1 | - 8.1 |
| 100.00 | It look beats | 1.289 | 7,520 | -36 | -40 | | |
| 196310 | W Lunds offy | Tass | 11,308 | -0,800 | - 361 | 12.4 | 16 |

| Missouri Population Age | 18 10 | 64 | Below Poverty | Lovel, | 1990- | 2000 |
|--------------------------------|-------|-----|----------------------|--------|-------|------|
| | 06 | 51. | Louis | | | |

| | | | | | | 100 | 14 |
|-------|----------------------------|--------|--------|--------|------|------|------|
| - | | - | | | | - | |
| | 10 (H. 100) | 18.404 | 80,288 | 1.92 | | 1.1 | |
| 19871 | Providing Security | 3,291 | -3073 | 3.7 | 104 | 1.1 | 11 |
| 24040 | and the owner of the owner | (1)(4) | 10.000 | 742 | 11.1 | 6.8 | 6.0 |
| 38155 | In Charles Server | \$1728 | 5,736 | 100 | 11.4 | 3.3 | - 13 |
| 24:00 | W. Louis Franky | 38,901 | 28375 | 0.228 | 281 | 8.1 | .47 |
| 26820 | R. Louis alty | 40.147 | 06367 | 1.8.20 | 104 | 31.1 | 16.6 |

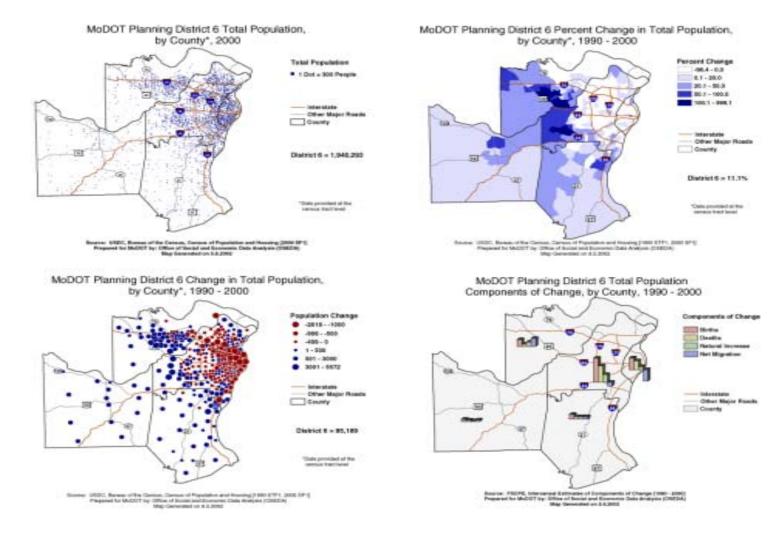
Missouri Population Below Poverty Level, 1990-2000 D6 St. Louis

| | | | | | FR-288. | | |
|---------------------------|----------------|---------|---------|--------|---------|-----|------|
| 1 Million Consultation | | | | | - | 110 | |
| | (M.M.Look | 152,864 | 170,837 | 3:527 | 12 | 9.8 | .93 |
| 20071 | reade limity. | 6,494 | 6.088 | -74 | | 71 | |
| 29009 | Artenan Linety | (3,21) | 12,599 | - 592 | 45 | 6.8 | 11 |
| 29100 | B. Buter Com | 11,07 | 1.001 | 1,208 | 18.9 | 43 | +7 |
| 21131 | 8. Look County | 101,882 | 54,883 | 11(64) | 24.5 | 4.9 | 5. |
| 20012 | W. Look sty | 50,380 | 16,221 | | 12.6 | 218 | 18.8 |

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

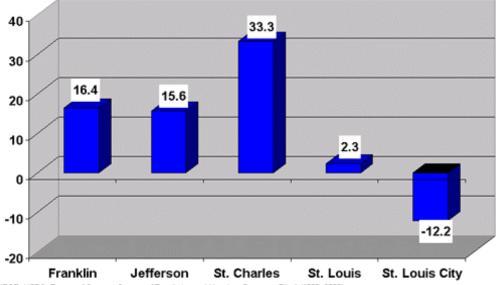
| | | | | | | Children I | |
|--------|-------------------|--------|--------|---------|-------|------------|-----|
| | | - | 1000 | (10101) | - | - | |
| | 00 20.10x80 | 17,810 | 18,156 | -26 | - 44 | 1.5 | 261 |
| 29071 | Franklin Example | 2,665 | 2,407 | 342 | -43.1 | 8.0 | 101 |
| 20089 | Atlanta Insety | 4.855 | 4,530 | | 0.8 | 8.9 | 92 |
| 29103 | 18. (Harles Coute | 4,250 | 3,870 | 389 | 9.8 | 4.6 | 61 |
| 214.00 | M. Louis Georgy | 34,993 | 16.405 | 1,807 | 72.8 | 7.8 | 11 |
| 29671 | M. Londo eller | 12,398 | 10,748 | 4,440 | 10.8 | 11.0 | 181 |

Population Maps



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

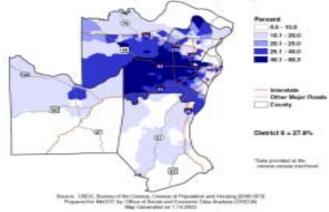
| | area marized | | | | (| Compone | nts of Cha | nge, 19 | 90-2000 | |
|--------------|-------------------|-----------------------------|-----------------------|---------|---------|---------|-----------------|---------|----------|-------|
| Go | ounty | | Change, 1990- 2000 | | | | Natur Increa | | Net Migr | ation |
| 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

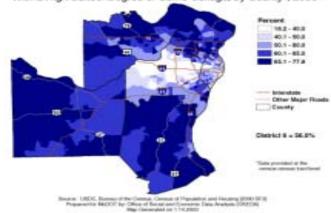
Prepared by University Outreach & Extension - Office of Social & Economic Data Analysis (OSEDA) Report generated on 18JUL2002 by setup in moco_compolg_1990_2000

Educational Attainment Maps

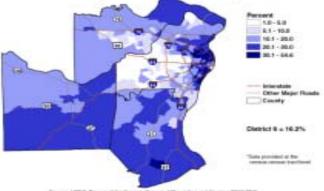
MoDOT Planning District 6 Percent of Persons 25 Years or Older With a Bachelor's Degree or Higher, by County*, 2000



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

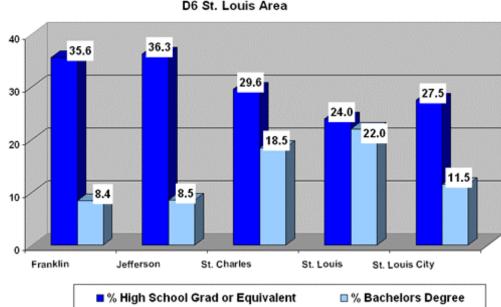


MoDOT Planning District 6 Percent of Persons 25 Years or Older Without a High School Degree, by County', 2000



Bruces, USDC, Burney of the Central Connext of Physiological Interacting (2000 IET)) Programming BACOT by Office of Burnet and Connexts Data Analysis (2002)39, Bigs Connextant on Virg. 2012 2012.

Educational Attainment Charts



Percent of Population by Degree Type, 2000 D6 St. Louis Area

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

| | | | | | | constanting and the second second | |
|--------|------------------|---------|---------|--------|--------|-----------------------------------|------|
| | | | | | | 1 | |
| | | | 1.5255 | | | | |
| | 25 2 Logis | 252,084 | 274,812 | 78,873 | 28.5 | 27.9 | 22.6 |
| 29071 | Franklin County | 7,721 | 4,540 | 3,873 | 86.1 | 12.8 | 9.3 |
| 20000 | Jefferson County | 15,7980 | 9,302 | 5,958 | 10.0 | 12.1 | 90 |
| 29182 | R. Chatter Dass | 47,000 | 27.547 | 10,459 | . 70.6 | 25.3 | 21.2 |
| 291309 | St. Louis County | 238,729 | 190,388 | 45,421 | 24.0 | 36.4 | 29.2 |
| 3518 | SR. Lumits sity | 42,338 | 39,177 | 3,161 | 8.1 | 19.1 | 16.3 |

Missouri Population With A High School Diploma and Some College, 1990-2000

| DID SE, LOUIS Anes | - |
|--------------------|---|
| | |

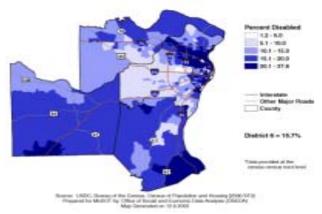
| | | | | A REAL PROPERTY AND ADDRESS | | | |
|-------|---|------------|----------|-----------------------------|------|--------|-------|
| | | | | | | | |
| | The second second | 207,964 | | 00,000 | 14.2 | 56.45 | |
| 1000 | | 104,2452 | 29,340 | 10,364 | 34.6 | 54.5 | 526-1 |
| 2000 | | 1245.5710 | 86.306 | 100.0002 | 25 = | 87.2 | |
| 20100 | · · · · · · · · · · · · · · · · · · · | * 52.9671 | 100,700 | 21,400 | | 842-16 | 10021 |
| 20100 | St. Louis Louis St. | 365,7523 | | 4,395 | 1.4 | | |
| 2000 | The second se | 1.155,0000 | 123 386- | -5.800 | 4.5 | 52/3 | - |

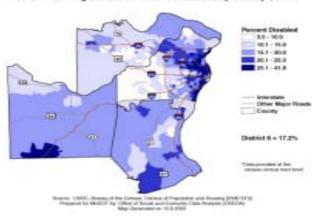
Missouri Population Without A High School Diploma, 1990-2000 D6 St. Louis Area

| Area | | | | | | | | |
|---------|-------------------|---------|---------|----------------|--------|--|--------|--|
| | Concernence - | | | - Training - 1 | | Parasetation Propulation 2011/175- and Disert | | |
| Costs | 10 10 10 | | | - | - | | | |
| | 38-51 Louis Res | 204,151 | 279,453 | -75,312 | -36.9 | 15.2 | 22.8 3 | |
| 20071 | Analis County | 13,514 | 16,242 | -1.7.29 | -16.0 | 22.3 | 32.6 | |
| | Jeffrerson County | 25,996 | 29.586 | -3 :560 | -12.0 | 20 E | 236.4 | |
| 29 (81) | St. Duates Deat | 19,391 | 21,749 | -3 ,368 | - 10.0 | 10.8 | 16.1 | |
| 29189 | St. Lauis Dourty | 01.536 | 116.004 | -35 150 | -36.1 | 12.8 | -127.3 | |
| 295 10 | W. Louis sty | 63,715 | 35,202 | -31,507 | -33.1 | 28.7 | 32.2 | |

Disability Maps

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

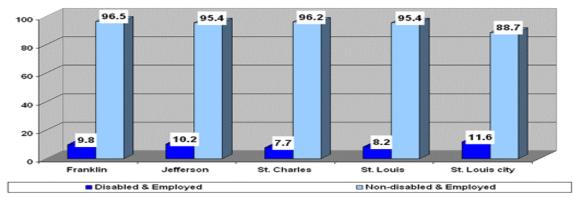




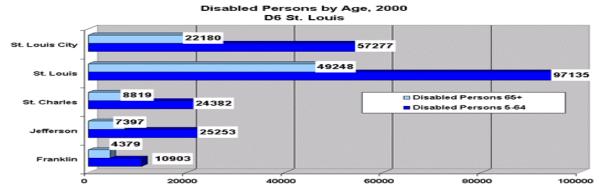
MoDOT Planning District 6 Percent Disabled, by County*, 2000

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]



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]

Disability Tables

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

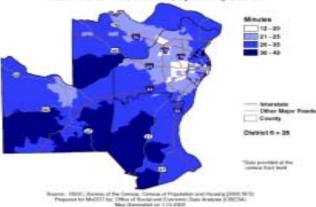
| County | | | | Changest | 990-2000 | Percent of AE Works 16 Yrs. and Over | | |
|--------------|-------------------|---------|--------|----------|----------|---|------|--|
| FIPS Code | | 2000 | 1959 | Number | Percent | 2000 | 1990 | |
| | D6 St. Louis Area | 194,284 | 88,211 | 111,073 | 133.5 | 15.7 | 7.1 | |
| 29071 | Franklin County | 10,033 | 3,832 | 6,201 | 161.5 | 16.9 | 7.3 | |
| 29099 | Jetterson County | 22,650 | 8,731 | 13,919 | 159.4 | 17.3 | 7.5 | |
| 29183 | St. Charles Caun | 21,447 | 7,570 | 13,877 | 183.3 | 11.5 | 5.4 | |
| 29189 | St. Louis County | 87,187 | 36,703 | 50,484 | 137.5 | 13.6 | 5.7 | |
| 29510 | St. Louis city | 52,967 | 28,375 | 26,592 | 100.8 | 24.3 | 11,1 | |

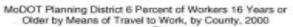
Disabled Missouri Population Age 5 Years and Older, 2000 D6 St. Louis

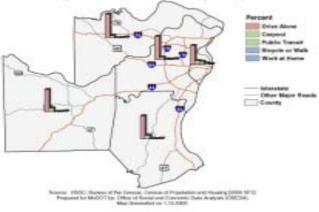
| County | | Disabled Population Age 5 Years and Older | | | | |
|--------------|-------------------|--|-----------|--|--|--|
| Sups Code | | Number | Percentel | | | |
| | D6 St. Louis | 306,973 | 17.2 | | | |
| 29071 | Franklin County | 15,282 | 17.7 | | | |
| 29099 | Jefferson County | 32,660 | 17.9 | | | |
| 29183 | St. Charles Cours | 39,201 | 12.7 | | | |
| 29189 | St. Louis Dounty | 146,383 | 15.6 | | | |
| 29610 | St. Louis city | 79,457 | 24.8 | | | |

Transportation Maps

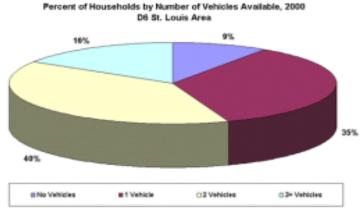
MoDOT Planning District 6 Population 16 Years or Older Mean Travel Time to Work, by County*, 2000







Transportation Charts

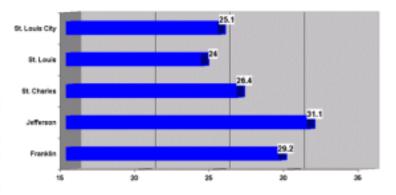


Source: USDC, Bureau of Census, Census of Housing and Population, Summary File 3 (2000) Produced by The Office of Social and Economic Data Analysis, UOE, [TDnangins, August 2002]

Produced by: The Office of Social and Economic Data Analysis, UOE. [TDranginis, August 2002]



Mean Travel time to Work in Minutes, 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, [TDrangmis, August 2002]

Transportation Tables

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

| | Area nmarized | Means of Transportation to Work, 2000 | | | | | | |
|--------------|---------------------|---------------------------------------|---|----------------|---------|--------------------------|-----------------------|--------------------|
| С | ounty | Distribution by Means or Travel | | | | | | |
| FIPS Code | | Workers Age 16 Yrs. or Older | Avgerage 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 |
| | | | ureau of the Census, 1990 | | | sus, Summary File 3 | 1 | |

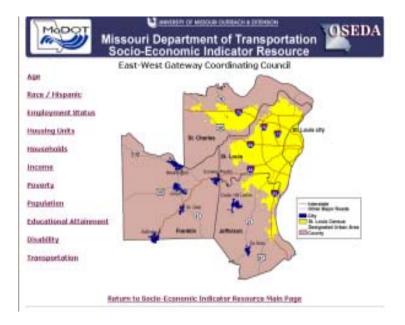
Prepared by University Outreach & Extension - Office of Social & Economic Data Analysis (OSEDA) Report generated on 16DEC2002 by setup in moco_meantrans_1990_2000

APPENDIX D – Regional Planning Commissions

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

Regional Planning Commission





Age Cohorts

| VAN DOT | UNIVERSITY OF MISSOURI OUTREACH & EXTENSION |
|---|---|
| MADOT | Missouri Department of Transportation |
| | Socio-Economic Indicator Resource |
| | East-West Gateway Coordinating Council Age Cohorts |
| Age | Maps - Percent of Total Population by Age Cohort, By County, 2000 |
| Race / Hispanic | Change in Total Population by Age Cohort, By County, 1990-2000 Percent Change of Total Population by Age Cohort, By County, 1990-2000 |
| Employment Status | Charts |
| Housing Units | Change in Population for Selected Age Cohorts, 1990-2000 Percent Change by Selected Age Cohorts, 1990-2000 |
| Households | Tables by County within MoDOT RPC 3 - Population Age Under 5 Years and Age 5 to 17 Years, 1990-2000 |
| Income | Population Age 18 to 24 Years and Age 25 to 34 Years, 1990-2000 Population Age 35 to 54 Years and Age 55 to 64 Years, 1990-2000 |
| Poverty | - Population Age 65 to 84 Years and 85 Years and Older, 1990-2000 |
| Population | Regional Profile Reports - State Overview Age Distribution of Missouri Population, 1990-2000 |
| Educational Attainment | Population of Missouri Seniors The "Baby Boom" Generation 2000 - Change in the Population Age 35-54 and 55-64 from 1990-2000 |
| Disability | Change in the Population of Missouri Young Adults, age 18-24 and 25-34, 1990-2000 Change in Population of Missouri Pre-School and School Age Children and Youth |
| Transportation | |
| | |
| | e Maps, Charts and Tables for another RPC by choosing from the list below. |
| <u>RPC 1</u> <u>RPC 2</u> RPC 11 <u>RPC 12</u> | <u>RPC 3</u> <u>RPC 4</u> <u>RPC 5</u> <u>RPC 6</u> <u>RPC 7</u> <u>RPC 8</u> <u>RPC 9</u> <u>RPC 10</u> <u>RPC 13</u> <u>RPC 14</u> <u>RPC 15</u> <u>RPC 16</u> <u>RPC 17</u> <u>RPC 18</u> <u>RPC 19</u> |
| NCII NCIZ | NEG 40 NEG 41 NEG 10 NEG 17 NEG 10 NEG 19 |
| | Return to Socio-Economic Indicator Resource Main Page |

Race/ Hispanic

| | East-West Gateway Coordinating Council Race / Hispanic | | | | | |
|-------------------|--|--|--|--|--|--|
| Age | Maps | | | | | |
| angles. | Percent of Total Population by Pace and Ethnicity, By County, 2000 | | | | | |
| Race / Hispanic | 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 | | | | | |
| Employment Status | Charts | | | | | |
| | - Race Categories as Percent of Total Population, 2000 | | | | | |
| Housing Units | - Change in Population by Race, 1990-2000 | | | | | |
| | - Percent Hispanic Population by Race, 2000 | | | | | |
| Households | Change in Hispanic Population, 1990-2000 | | | | | |
| | Change in Minority Population, 1990-2000 | | | | | |
| Income | Percent of Persons Whose Primary Language is English. Spanish or Other Language. 2000 | | | | | |
| Poverty | Tables by County which the post page a | | | | | |
| | Tables by County within MoDOT RPC 3 - Racial Minority Population in Missouri, 1990-2000 | | | | | |
| Population | - African American Population in Missouri, 1990-2000 | | | | | |
| | - Hispanic Population in Missouri, 1990-2000 | | | | | |
| Educational | - Asian and Pacific Islander Population in Missouri, 1990-2000 | | | | | |
| Attainment | American Indian and Aleut Population in Missouri, 1990-2000 | | | | | |
| | - Other Race Population in Missouri, 1990-2000 | | | | | |
| Disability | - Total and MultiRace Population in Missouri, 2000 | | | | | |
| Transportation | 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 Change Multi Area Population 2000 | | | | | |
| | Missouri's Multi-Race Population 2000 Change in Missouri American Indian and Alexit Reputation 1990–2000 | | | | | |
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Employment Status

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| | Maps - <u>Percent</u> | of Populat | ion 16 Yea | ars or Ok | der in the Civ | ilian Labor F | orce, By Co | unty, 2000 |
| nic | - Percent | of Populat | ion 16 Yea | ars or Old | der Unemploy | ed, By Coun | ty, 2000 | hu Country |
| <u>Status</u> | 2000 | or Populat | 101 16 78 | ITS OF UK | ser working i | n county or | Residence. | sy county, |
| Ē | - 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 | | | | | | | |
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| | - Populatio | on Age 16 | Years and | Over in | the Armed F | | | |
| | Distribut | ion of Emp | loyed Civil | ian Labo | r Force by O | ccupation, 2 | | |
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Housing Units

| | Missouri Department of Transportation Socio-Economic Indicator Resource |
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| Employment Status | Percent of Total Housing Units Vacant, By Courts, 2000 Owner-Cooupled Housing Units, By Courts, 2000 |
| Home Simon Londing | Percent of Housing Brits Owner-Occupied, Bu Dounty, 2000 Average Household Size of Owner-Occupied Units, By County, 2000 |
| the second second | Homeowner, Vacancy Fate, By County, 2008 Hartan Output Househa Units, By County, 2008 |
| | Descent of Housing Brits Rest an Occupiet. By County, 2000 Destal Vice and Parts, By County, 2000 |
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| Page and the land | Descent, of Housing Insta by Monthly Owner Casts as a Percentage of Heusehold Instance, Sp. Cascity, 2008 |
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| China calculate and an | Average Rossing Unit Age, By County, 2800 Percent of Housing Brits Less Than 5 Years Did. Sy Caunty, 2008 |
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Households

| Mado | Missouri Department of Transportation Socio-Economic Indicator Resource |
|---|---|
| | East-West Gateway Coordinating Council Households |
| Age | Maps - <u>Total Household Population, By County, 2000</u> |
| <u>Race / Hispanic</u> | - <u>Average Family Size, By County, 2000</u> - <u>Average Household Size, By County, 2000</u> - Total Group Quarters Population, By County, 2000 |
| Employment Status | – <u>Institutional Group Quarters Population, By County, 2000</u> – <u>Noninstitutional Group Quarters Population, By County, 2000</u> |
| <u>Housing Units</u> | - <u>Percent of Population Living in Group Quarters, By County, 2000</u> |
| <u>Households</u> | Charts - <u>Family Households as a Percent of Total Households, 2000</u> |
| <u>Income</u> | - <u>Percent of Population in Households and Group Quarters, 2000</u> - <u>Percent Distribution of Group Quarter Residents, 2000</u> |
| <u>Poverty</u> | Tables by County within MoDOT RPC 3 |
| <u>Population</u> | - <u>Total Family Households in Missouri, 1990-2000</u> - <u>Institutionalized Population in Group Quarters, 1990-2000</u> |
| <u>Educational</u> <u>Attainment</u> | - <u>Noninstitutionalized Population in Group Quarters, 1990-2000</u> - <u>Total Households in Missouri, 1990-2000</u> - <u>Residence of Population Age 5 Years and Over Living in a Different House, 1990-</u> |
| Disability | 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 |
| <u>Transportation</u> | |
| | Regional Profile Reports - <u>State Overview 2000 Census Data on Households Type, Location and Change</u> 1990-2000 |
| | - <u>Change in Family Households With Children Under 18 1990-2000</u> - <u>Change in Number and Location of Family Households 1990-2000</u> - Population Residing in Institutional Group Quarters 1990-2000 |
| | - Population Residing in Noninstitutionalized Group Quarters 1990-2000 |
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| View House RPC 1 RPC 2 | eholds Maps, Charts and Tables for another RPC by choosing from the list below. RPC 3 RPC 4 RPC 5 RPC 6 RPC 7 RPC 8 RPC 9 RPC 10 |
| <u>RPC 11</u> <u>RPC 12</u> | |
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Income

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|-------------------|--|--|--|--|--|--|--|
| MADOT | Missouri Department of Transportation Socio-Economic Indicator Resource | | | | | | |
| | East-West Gateway Coordinating Council Income | | | | | | |
| Age | Maps - Per Capita Income, By County, 2000 | | | | | | |
| Race / Hispanic | Average Household Income, By County, 2000 Percent of Households by Income Cohort, By County, 2000 Average Family Income, By County, 2000 | | | | | | |
| Employment Status | Percent of Families by Income Cohort, By County, 2000 Average Female Earnings, By County, 2000 | | | | | | |
| Housing Units | - Average Male Earnings, By County, 2000 | | | | | | |
| Households | - Per Capita Income, 2000 | | | | | | |
| Income | Median Household Income, 2000 Percent of Households by Income, 2000 | | | | | | |
| Powerty | - Median Family Income, 2000 - Median Income by Gender, 2000 Tables by County within MoDOT RPC 3 | | | | | | |
| Population | | | | | | | |
| Educational | Median Household and Family Income, 1989-1999 Missouri Household Income Distribution, 2000 | | | | | | |
| Attainment | - Median Family Income and Selected Family Income Categories, 1989-1999 | | | | | | |
| Disability | - Missouri Family Income Distribution, 2000 - Missouri Miscellaneous Income Measures, 2000 | | | | | | |
| Transportation | Regional Profile Reports - State Overview Change in Missouri Median Household Income and Family Income 1999-1999 - 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 | | | | | | |
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| RPC 11 RPC 12 | RPC 13 RPC 14 RPC 15 RPC 16 RPC 17 RPC 18 RPC 19 | | | | | | |
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Poverty

| | UNIVERSITY OF MISSOURI OUTREACH & EXTENSION | | | | | | |
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| MADOT | Missouri Department of Transportation | | | | | | |
| | East-West Gateway Coordinating Council Poverty | | | | | | |
| Age | Maps | | | | | | |
| Race / Hispanic | 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 | | | | | | |
| Employment Status | - Percent of Persons 65 Years of Age or Older Below Poverty Status, By County, 2000 | | | | | | |
| Housing Units | - Percent of Persons Between 100% and 200% of the Poverty Level, By County, 2000 Charts | | | | | | |
| Households | Persons in Poverty by Age, 2000 Families in Poverty, 2000 | | | | | | |
| Income | Tables by County within MoDOT RPC 3 | | | | | | |
| Poverty | Missouri Population Below Poverty Level, 1990-2000 Missouri Children Under 18 Below Poverty Level, 1990-2000 | | | | | | |
| Population | 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 | | | | | | |
| Educational Attainment | Regional Profile Reports | | | | | | |
| Disability | State Overview Population With Income Below the Federal Poverty Level, 1990- 2000 | | | | | | |
| Transportation | 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 | | | | | | |
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Population

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|---------------------------|---|
| MODOT | Missouri Department of Transportation |
| | Socio-Economic Indicator Resource |
| | East-West Gateway Coordinating Council Population |
| Age | Maps - Total Population, By County, 2000 |
| Race / Hispanic | 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 |
| Employment Status | |
| Housing Units | - Percent Change in Population, 1990-2000 |
| Households | Tables by County within MoDOT RPC 3 - Missouri Population and Components of Change, 1990-2000 |
| Income | Regional Profile Reports |
| Poverty | Missouri Components of Population Change 1990-2000 Open Country Population Growth 1990-2000 Exceeds Rate of Growth of Towns and |
| Population | Cities. |
| Educational Attainment | |
| Disability | |
| Transportation | |
| View Popul | ation Maps, Charts and Tables for another RPC by choosing from the list below. |
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| RPC 11 RPC 12 | <u>RPC 13</u> <u>RPC 14</u> <u>RPC 15</u> <u>RPC 16</u> <u>RPC 17</u> <u>RPC 18</u> <u>RPC 19</u> |
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Educational Attainment

| MADOT | Missouri Department of Transportation |
|---------------------------|--|
| | East-West Gateway Coordinating Council Educational Attainment |
| Age | Maps - Percent of Persons 25 Years or Older With a Bachelor's Degree or Higher, By County, |
| Race / Hispanic | 2000 - Percent of Persons 25 Years or Older With a High School Degree or Some College, By |
| Employment Status | County, 2000 - Percent of Persons 25 Years or Older Without a High School Degree, By County, 2000 |
| Housing Units | - Percent Population by Degree Type, 2000 |
| Households | |
| Income | 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 |
| Poverty | Missouri Population Without & High School Diploma, 1990-2000 |
| Population | Regional Profile Reports - State Overview Educational Attainment of Persons Age 25 or Over, 1990-2000 |
| Educational Attainment | - <u>Change in Number of Missouri Adults Not Having Graduated from High School 1990-</u> 2000 - <u>Change in Number of Missourians Having Acquired Some Post-Secondary Education</u> |
| Disability | but are Not College Graduates 1990-2000 - Change in Missouri's College Graduates By County and Region 1990-2000 |
| Transportation | |
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| RPC 1 RPC 2 | Attainment Maps, Charts and Tables for another RPC by choosing from the list below. RPC 3 RPC 4 RPC 5 RPC 6 RPC 7 RPC 8 RPC 9 RPC 10 |
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Disability

| MADOT | UNIVERSITY OF MISSOURI OUTREACH & EXTENSION |
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| | Missouri Department of Transportation |
| | Socio-Economic Indicator Resource |
| | East-West Gateway Coordinating Council Disability |
| Age | Maps - Percent Disabled, By County, 2000 - Percent Work Disabled, By County, 2000 |
| Race / Hispanic | - Percent Work Disabled, By County, 2000 |
| Employment Status | Charts - <u>Disabled Persons by Age. 2000</u> - Percent Employment by Disability Status, 2000 |
| Housing Units | |
| Households | 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 |
| Income | |
| Poverty | |
| Population | |
| Educational Attainm | uent |
| Disability | |
| Transportation | |
| View Disat | aity Maps, Charts and Tables for another RPC by choosing from the list below. |
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| RPC 11 RPC 12 | <u>RPC 13</u> <u>RPC 14</u> <u>RPC 15</u> <u>RPC 16</u> <u>RPC 17</u> <u>RPC 18</u> <u>RPC 19</u> |
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Transportation

| MADOT | UNIVERSITY OF MISSOURI OUTREACH & EXTENSION |
|---|--|
| | Missouri Department of Transportation |
| | East-West Gateway Coordinating Council Transportation |
| Age | Maps - Percent of Workers 16 Years or Older by Means of Travel to Work, By County, appo |
| Race / Hispanic | 2000 - Population 16 Years or Older Mean Travel Time to Work, By County, 2000 |
| Employment Status | Charts - Percent of Workers 16 Years or Older by Mode of Transportation to Work, 2000 |
| Housing Units | Percent of Households by Number of Vehicles Available, 2000 Mean Travel Time to Work in Minutes, 2000 |
| Households | Tables by County within MoDOT RPC 3 |
| Income | - Missouri Means of Travel to Work, 2000 |
| Poverty | Regional Profile Reports - Commuting to Work Outside of Home County 1990-2000 |
| Population | |
| Educational Attainme | nt |
| Disability | |
| Transportation | |
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| RPC 11 RPC 12 | RPC 13 RPC 14 RPC 15 RPC 16 RPC 17 RPC 18 RPC 19 |
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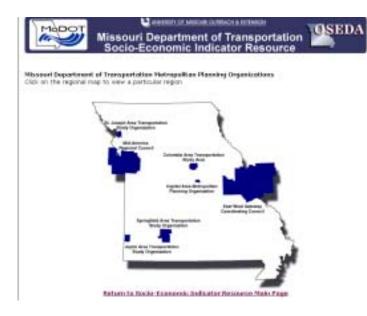
Final Report

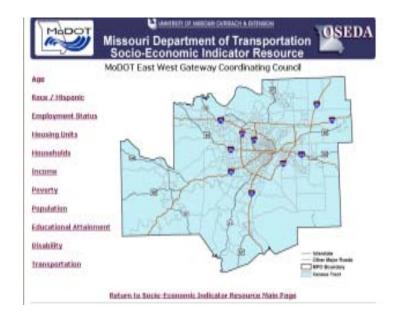
APPENDIX E – Metropolitan Planning Organization

This appendix illustrates the screen selections for the Metropolitan Planning

Organizations.

Metropolitan Planning Organization





Age Cohorts

| Missouri Department of Transportation Socio-Economic Indicator Resource |
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| MoDOT MPO 2 East West Gateway Coordinating Council Age Cohorts |
| Age Age - 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 |
| Employment Status Tables |
| Total Population and Population by Age, 1990-2000 Housing Units |
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| Poverty |
| Population |
| Educational Attainment |
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Race/ Hispanic

| MAROT | |
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| Mis | souri Department of Transportation |
| | MoDOT MPO 2 East West Gateway Coordinating Council Race / Hispanic |
| Age | Maps - Percent Minority Population, 2000 |
| Race / Hispanic | Tables |
| Employment Status | - <u>Race and Hispanic, 1990-2000</u> - <u>Language Spoken at Home, 1990-2000</u> |
| Housing Units | |
| Households | |
| Income | |
| Poverty | |
| Population | |
| Educational Attainment | |
| Disability | |
| Transportation | |
| View Pace / Hispa | inic Maps and Tables for another MPO by choosing from the list below. |
| | PO 2 MPO 3 MPO 4 MPO 5 MPO 6 MPO 7 |
| Ret | um to Socio-Economic Indicator Resource Main Page |

Employment Status

| | MoDOT MPO 2 East West Gateway Coordinating Council Employment Status |
|---------------------------|---|
| Age | Maps - Percent of the Population 16 Years or Older in the Civilian Labor Force, 2000 |
| Race / Hispanic | Percent of the Population 16 Years or Older in Professional Occupations, 2000 Percent of the Population 16 Years or Older in Service Occupations, 2000 |
| Employment Status | 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 |
| Housing Units | Percent of the Population 16 Years or Older in Production and Transportation Occupations, 2000 Percent of the Population 16 Years or Older Unemployed, 2000 |
| Households | - Percent of the Population 16 Years or Older Working in Place of Residence, 2000 |
| Income | Tables - Employment Status, 1990-2000 |
| Poverty | - Work Force by Industry, 1990-2000 - Work Force by Occupation, 1990-2000 |
| Population | Veteran and Armed Forces Status, 1990-2000 Place of Work, 1990-2000 |
| Educational Attainment | |
| Disability | |
| Transportation | |

Housing Units

| MoDOT MPO 2 East West Gateway Coordinating Council |
|---|
| Housing Units |
| Maps |
| Percent Housing Units Owner-Occupied, 2000 |
| Percent Housing Units Renter-Occupied, 2000 Percent of Total Viewing Units |
| 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 |
| <u>nt</u> |
| Tables |
| Housing Unit Basics, 1990-2000 Selected Household Characteristics, Number of Vehicles, 1990-2000 |
| Selected Housing Unit Characteristics, Multiple of Vericles, 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 |
| |

Households

| MODOT | |
|----------------------|--|
| | Missouri Department of Transportation |
| | MoDOT MPO 2 East West Gateway Coordinating Council Households |
| Age | Maps - Average Family Size, 2000 |
| Race / Hispanic | Average Household Size, 2000 Total Household Population, 2000 Percent Population Living in Group Quarters, 2000 |
| Employment Status | Institutional Group Quarters Population, 2000 Noninstitutional Group Quarters Population, 2000 |
| Housing Units | |
| Households | Tables - Relationship of Persons in Households, 1990-2000 - Group Quarters, 1990-2000 |
| Income | - Lived in Same House 5 Years Earlier, 1990-2000 |
| Poverty | |
| Population | |
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Income

| MODOT | UNIVERSITY OF MISSOURI OUTREACH & EXTENSION |
|---------------------|---|
| | Missouri Department of Transportation |
| | MoDOT MPO 2 East West Gateway Coordinating Council Income |
| Age | Maps - Per Capita Income, 2000 |
| Race / Hispanic | - <u>Average Family Income, 2000</u> - <u>Average Household Income, 2000</u> - <u>Average Female Earnings, 2000</u> |
| Employment Status | |
| Housing Units | Tables - Household Income, 1989-1999 |
| Households | - Other Income Measures, 1990-2000 |
| Income | |
| Poverty | |
| Population | |
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| Transportation | |
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Poverty

| | Missouri Department of Transportation Socio-Economic Indicator Resource |
|----------------------|---|
| Age | Maps - Percent of Persons between 100% and 200% of the Poverty Level, 2000 |
| Race / Hispanic | Percent Poor, 2000 Percent of Persons Under 18 Years of Age Below Poverty Status, 2000 |
| Employment Status | 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 |
| Housing Units | Tables |
| Households | - Poverty, 1990-2000 |
| Income | |
| Poverty | |
| Population | |
| Educational Attainme | <u>int</u> |
| Disability | |
| Transportation | |
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Population

| MADOT | |
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| | lissouri Department of Transportation |
| | MoDOT MPO 2 East West Gateway Coordinating Council Population |
| Age | Maps - Total Population, 2000 |
| Race / Hispanic | Tables |
| Employment Status | Total Population and Population by Age. 1990-2000 |
| Housing Units | |
| Households | |
| Income | |
| Poverty | |
| Population | |
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| Disability | |
| Transportation | |
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| MPO 1 | MP0.2 MP0.3 MP0.4 MP0.5 MP0.6 MP0.7 |
| | Return to Socio-Economic Indicator Resource Main Page |

Educational Attainment

| MODOT | UNIVERSITY OF MISSOURI OUTREACH & EXTENSION | |
|--|---|--|
| | Missouri Department of Transportation Socio-Economic Indicator Resource | |
| | MoDOT MPO 2 East West Gateway Coordinating Council Educational Attainment | |
| Age | Maps - Percent of Persons 25 Years or Older Without a High School Degree, 2000 | |
| Race / Hispanic | 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 | |
| Employment Status | | |
| Housing Units | Tables - Educational Attainment, 1990-2000 | |
| Households | | |
| Income | | |
| Poverty | | |
| Population | | |
| Educational Attainment | | |
| Disability | | |
| Transportation | | |
| 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 | |
| Return to Socio-Economic Indicator Resource Main Page | | |

Disability

| | SSOuri Department of Transportation |
|--------------------------|--|
| | MoDOT MPO 2 East West Gateway Coordinating Council Disability |
| Age | Maps - Percent Disabled, 2000 |
| <u>Race / Hispanic</u> | - Percent Work Disabled, 2000 |
| <u>Employment Status</u> | Tables - <u>Disability, 1990-2000</u> |
| Housing Units | |
| <u>Households</u> | |
| Income | |
| <u>Poverty</u> | |
| <u>Population</u> | |
| Educational Attainment | |
| <u>Disability</u> | |
| <u>Transportation</u> | |
| View Disabili MPO 1 | ty Maps and Tables for another MPO by choosing from the list below. MPO 2 MPO 3 MPO 4 MPO 5 MPO 6 MPO 7 |
| Re | eturn to Socio-Economic Indicator Resource Main Page |

Transportation

| M | Missouri Department of Transportation Socio-Economic Indicator Resource |
|---------------------|---|
| | MoDOT MPO 2 East West Gateway Coordinating Council Transportation |
| Age | Maps - Population 16 Years or Older Mean Travel Time to Work, 2000 |
| Race / Hispanic | 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 |
| Employment Status | Percent of Workers 16 Years of Older Osing 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 |
| Housing Units | Tables |
| Households | - <u>Commuting, 1990-2000</u> |
| Income | |
| Poverty | |
| Population | |
| Educational Attainm | ent |
| Disability | |
| Transportation | |
| View Tran MPO 1 | sportation Maps and Tables for another MPO by choosing from the list below. MPO 2 MPO 3 MPO 4 MPO 5 MPO 6 MPO 7 |

Final Report

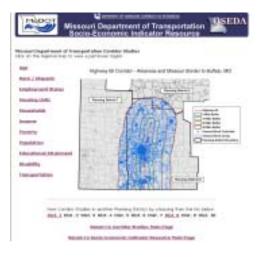
APPENDIX F – Corridor Study

This appendix illustrates the screen selections for the Corridor Study.

Corridor Study







Age Cohorts

| UNIVERSITY OF MISSOURI OUTREACH & EXTENSION | | |
|---|--|--|
| | Aissouri Department of Transportation | |
| | MoDOT Springfield Area Highway 65 Corridor Study Age Cohorts | |
| Age | Maps - Map of Highway 65 Buffered Area | |
| Race / Hispanic | Tables | |
| Employment Status | 5 Mile Radius - Total Population and Population by Age, 1990-2000 10 Mile Radius | |
| Housing Units | - Total Population and Population by Age, 1990-2000 | |
| Households | 20 Mile Radius - <u>Total Population and Population by Age, 1990–2000</u> 30 Mile Radius | |
| Income | Total Population and Population by Age, 1990-2000 | |
| Poverty | | |
| Population | | |
| Educational Attainmen | <u>t</u> | |
| Disability | | |
| Transportation | | |
| 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 | | |

Race/ Hispanic

| Val Boot | UNIVERSITY OF MISSOURI OUTREACH & EXTENSION |
|------------------------|--|
| MODOT | ssouri Department of Transportation |
| | Socio-Economic Indicator Resource |
| | MoDOT Springfield Area Highway 65 Corridor Study Race / Hispanic |
| Age | Maps - Map of Highway 65 Buffered Area |
| Race / Hispanic | Tables |
| Employment Status | 5 Mile Radius - Race and Hispanic, 1990-2000 - Language Spoken at Home, 1990-2000 |
| Housing Units | 10 Mile Radius - Race and Hispanic, 1990-2000 |
| Households | - Language Spoken at Home, 1990-2000 20 Mile Radius |
| Income | - <u>Race and Hispanic, 1990-2000</u> - Language Spoken at Home, 1990-2000 |
| Poverty | 30 Mile Radius - Race and Hispanic, 1990-2000 - Language Spoken at Home, 1990-2000 |
| Population | Language Spiken at nome, 1990 2000 |
| Educational Attainment | |
| Disability | |
| Transportation | |
| | r Studies in another Planning District by choosing from the list below. . 2 Dist. 3 Dist. 4 Dist. 5 Dist. 6 Dist. 7 <u>Dist. 8</u> Dist. 9 Dist. 10 |
| | Return to Corridor Studies Main Page |
| R | eturn to Socio-Economic Indicator Resource Main Page |

Employment Status

| Miss Soc | ouri Department of Transportation |
|------------------------|---|
| | MoDOT Springfield Area Highway 65 Corridor Study Employment Status |
| Age | Maps - <u>Map of Highway 65 Buffered Area</u> |
| <u>Race / Hispanic</u> | Tables |
| Employment Status | 5 Mile Radius - <u>Employment Status, 1990-2000</u> - Work Force by Industry, 1990-2000 |
| Housing Units | - Work Force by Occupation, 1990-2000 |
| Households | - <u>Veteran and Armed Forces Status, 1990-2000</u> - <u>Place of Work, 1990-2000</u> 10 Mile Radius |
| Income | – <u>Employment Status, 1990–2000</u> – Work Force by Industry, 1990–2000 |
| <u>Poverty</u> | - Work Force by Industry, 1990-2000 - Work Force by Occupation, 1990-2000 - <u>Veteran and Armed Forces Status, 1990-2000</u> - Place of Work, 1990-2000 |
| Population | 20 Mile Radius |
| Educational Attainment | - <u>Employment Status, 1990-2000</u> - <u>Work Force by Industry, 1990-2000</u> - Work Force by Occupation, 1990-2000 |
| Disability | - Veteran and Armed Forces Status, 1990-2000 |
| <u>Transportation</u> | - <u>Place of Work, 1990-2000</u> 30 Mile Radius - <u>Employment Status, 1990-2000</u> - <u>Work Force by Industry, 1990-2000</u> - <u>Work Force by Occupation, 1990-2000</u> - <u>Veteran and Armed Forces Status, 1990-2000</u> - <u>Place of Work, 1990-2000</u> |
| | |

View Corridor Studies in another Planning District by choosing from the list below. <u>Dist. 1</u> Dist. 2 Dist. 3 Dist. 4 Dist. 5 Dist. 6 Dist. 7 Dist. 8 Dist. 9 Dist. 10

Return to Corridor Studies Main Page

Housing Units

| 1 million | |
|--|---|
| | MoDOT Springfield Area Highway 65 Corridor Study Housing Units |
| Age | Maps - Map of Highway 65 Buffered Area |
| Rece / Hispenic | Tables |
| | 5 Mile Radius |
| Employment Status | - Housing Unit Basics, 1990-2000 |
| Laurelan Helle | Selected Household Characteristics, Number of Vehicles, 1990-2000 |
| Housing Units | - Selected Housing Unit Charactersitos, Mobile Home, Boat, RV, Yan, etc., 1990- 2000 |
| Hauscholds | - Age of Structure, 1990-2000 |
| | - Gross Rents, 1990-2000 |
| Income | Grass Bart as a Percentage of Household Income, 1990-2000 |
| | Gwner Costs as a Percentage of Household Income, 1990-2000 |
| Pewerty | - Housing Values, 1990-2000 10 Mile Redius |
| | - Hausing Unit Basics, 1990-2000 |
| Pepulatian | Selected Household Characteristics, Murder of Vehicles, 1990-2000 |
| and a state of the second | - Selected Housing Unit Charactersitos, Mobile Hame, Boat, RV, Van. etc., 1990- |
| Educational Attainmen | |
| | - Age of Structure, 1990-2000 |
| Disability | Genes Rents, 1990-2000 Gross Rent as a Percentage of Household Income, 1990-2000 |
| Transportation | - Owner Costs as a Percentage of Household Income, 1990-2000 |
| (renopersense) | - Housing Values, 1990-2000 |
| | 20 Mile Redius |
| | - Housing Unit Rasics, 1990-2000 |
| | Selected Household Characteristics, Number of Vehicles, 1990-2000 Selected Housing Unit Characteristics, Mobile Home, Boat, RV, Van, etc., 1990- |
| | 2200 |
| | - Age of Structure, 2993-2000 |
| | - Grass Rests, 1990-2000 |
| | Grass Pant as a Percentage of Household Income, 1990-2000 |
| | Owner Costs as a Percentage of Household Income, 1990-2000 |
| | - Housing Values, 1990-2000 30 Mile Radius |
| | - Hawing Unit Resics, 1990-2000 |
| | - Selected Household Characteristics, Munder of Vehicles, 1990-2000 |
| | - Selected Housing Unit Charactersitos, Mobile Hame, Boat, RY, Yan, etc., 1990- |
| | 2008 |
| | - Age of Structure, 3991-2000 |
| | Gross Rents, 1990-2000 Gross Rent as a Percentage of Household Income, 1990-2000 |
| | Owner Costs as a Percentage of Household Income, 1990-2000 |
| | - Hausing Values, 1990-2000 |
| | |
| | ridor 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 <u>Dist. 8</u> Dist. 9 Dist. 10 |
| and the second s | |

Households

| | MoDOT Springfield Area Highway 65 Corridor Study |
|------------------------|--|
| | Households |
| Age | Maps - <u>Map of Highway 65 Buffered Area</u> |
| Race / Hispanic | Tables |
| Employment Status | 5 Mile Radius - Relationship of Persons in Households, 1990-2000 - Group Quarters, 1990-2000 |
| Housing Units | - Lived in Same House 5 Years Earlier, 1990-2000 |
| Households | Relationship of Persons in Households, 1990-2000 Group Quarters, 1990-2000 |
| Income | - Lived in Same House 5 Years Earlier, 1990-2000 20 Mile Radius |
| Poverty | Relationship of Persons in Households, 1990-2000 Group Quarters, 1990-2000 |
| Population | - Lived in Same House 5 Years Earlier, 1990-2000 30 Mile Radius |
| Educational Attainment | Relationship of Persons in Households, 1990-2000 Group Quarters, 1990-2000 lived in Common Function, 1990-2000 |
| Disability | - Lived in Same House 5 Years Earlier, 1990-2000 |
| Transportation | |

Return to Corridor Studies Main Page

Income

| MADOT | UNIVERSITY OF MISSOURI OUTREACH & EXTENSION |
|----------------------|---|
| Mado | Missouri Department of Transportation Socio-Economic Indicator Resource |
| n | MoDOT Springfield Area Highway 65 Corridor Study Income |
| Age | Maps - Map of Highway 65 Buffered Area |
| Race / Hispanic | - <u>Household Income, 1989-1999</u> - Other Income Measures, 1990-2000 |
| Employment Status | WARE ADDING THE STATES, APPLICATION |
| Housing Units | Tables 5 Mile Radius - Household Income, 1989-1999 |
| Households | - Housenoid Income, 1989-1999 - Other Income Measures, 1990-2000 10 Mile Radius |
| Income | - Household Income, 1989-1999 - Other Income Measures, 1990-2000 |
| Poverty | 20 Mile Radius - Household Income, 1989-1999 - Other Income Measurer, 1990-2000 |
| Population | Other Income Measures, 1990-2000 30 Mile Radius Household Income, 1989-1999 |
| Educational Attainme | ant - Other Income Measures, 1990-2000 |
| Disability | |
| Transportation | |
| | |
| | pridor Studies in another Planning District by choosing from the list below. Dist. 2 Dist. 3 Dist. 4 Dist. 5 Dist. 6 Dist. 7 <u>Dist. 8</u> Dist. 9 Dist. 10 |
| | Return to Corridor Studies Main Page |

Poverty

| MADOT | | |
|---|--|--|
| | Missouri Department of Transportation Socio-Economic Indicator Resource | |
| | MoDOT Springfield Area Highway 65 Corridor Study Poverty | |
| Age | Maps - <u>Map of Highway 65 Buffered Area</u> | |
| Race / Hispanic | Tables | |
| Employment Status | 5 Mile Radius - Poverty, 1990-2000 10 Mile Radius | |
| Housing Units | - Poverty, 1990-2000 | |
| Households | 20 Mile Radius - <u>Poverty, 1990-2000</u> 30 Mile Radius | |
| Income | - Poverty, 1990-2000 | |
| Poverty | | |
| Population | | |
| Educational Attainment | | |
| Disability | | |
| Transportation | | |
| 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 | | |

Population

| MODOT | | |
|---|---|--|
| Miss | ouri Department of Transportation | |
| | MoDOT Springfield Area Highway 65 Corridor Study Population | |
| Age | Maps - Map of Highway 65 Buffered Area | |
| Race / Hispanic | Tables | |
| Employment Status | 5 Mile Radius - Total Population and Population by Age, 1990-2000 10 Mile Radius | |
| Housing Units | - Total Population and Population by Age, 1990-2000 | |
| Households | 20 Mile Radius - Total Population and Population by Age, 1990-2000 30 Mile Radius | |
| Income | Total Population and Population by Age, 1990-2000 | |
| Poverty | | |
| Population | | |
| Educational Attainment | | |
| Disability | | |
| Transportation | | |
| 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

| Misso Soc | Duri Department of Transportation | |
|--|--|--|
| | MoDOT Springfield Area Highway 65 Corridor Study Educational Attainment | |
| Age | Maps - <u>Map of Highway 65 Buffered Area</u> | |
| <u>Race / Hispanic</u> | - Educational Attainment, 1990-2000 | |
| Employment Status | Tables | |
| Housing Units | 5 Mile Radius - Educational Attainment, 1990-2000 | |
| <u>Households</u> | 10 Mile Radius - <u>Educational Attainment, 1990-2000</u> 20 Mile Radius | |
| Income | - <u>Educational Attainment, 1990-2000</u> 30 Mile Radius | |
| Poverty | - Educational Attainment, 1990-2000 | |
| Population | | |
| Educational Attainment | | |
| <u>Disability</u> | | |
| <u>Transportation</u> | | |
| 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 <u>Dist. 8</u> Dist. 9 Dist. 10 | | |
| Return to Corridor Studies Main Page | | |
| Return to Socio-Economic Indicator Resource Main Page | | |

Disability

| Misso Soc | UNIVERSITY OF MISSOURI OUTREACH & EXTENSION Ouri Department of Transportation io-Economic Indicator Resource | |
|---|--|--|
| | MoDOT Springfield Area Highway 65 Corridor Study Disability | |
| Age | Maps - <u>Map of Highway 65 Buffered Area</u> | |
| <u>Race / Hispanic</u> | Tables | |
| <u>Employment Status</u> | 5 Mile Radius - <u>Disability, 1990-2000</u> 10 Mile Radius | |
| Housing Units | - <u>Disability, 1990-2000</u> | |
| <u>Households</u> | 20 Mile Radius - <u>Disability, 1990-2000</u> 30 Mile Radius | |
| Income | - <u>Disability, 1990-2000</u> | |
| Poverty | | |
| <u>Population</u> | | |
| Educational Attainment | | |
| Disability | | |
| <u>Transportation</u> | | |
| View Corridor Studies in another Planning District by choosing from the list below. <u>Dist. 1</u> Dist. 2 Dist. 3 Dist. 4 Dist. 5 Dist. 6 Dist. 7 <u>Dist. 8</u> Dist. 9 Dist. 10 | | |
| Return to Corridor Studies Main Page | | |
| Return to Socio-Economic Indicator Resource Main Page | | |

Transportation

| MADOT | | |
|--|--|--|
| Mis Sc | souri Department of Transportation | |
| | MoDOT Springfield Area Highway 65 Corridor Study Transportation | |
| Age | Maps - <u>Map of Highway 65 Buffered Area</u> | |
| <u>Race / Hispanic</u> | Tables | |
| Employment Status | 5 Mile Radius - <u>Commuting, 1990-2000</u> 10 Mile Radius | |
| Housing Units | - <u>Commuting, 1990-2000</u> | |
| <u>Households</u> | 20 Mile Radius - <u>Commuting, 1990-2000</u> 30 Mile Radius | |
| Income | - <u>Commuting, 1990-2000</u> | |
| <u>Poverty</u> | | |
| <u>Population</u> | | |
| Educational Attainment | | |
| Disability | | |
| Transportation | | |
| 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 <u>Dist. 8</u> 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

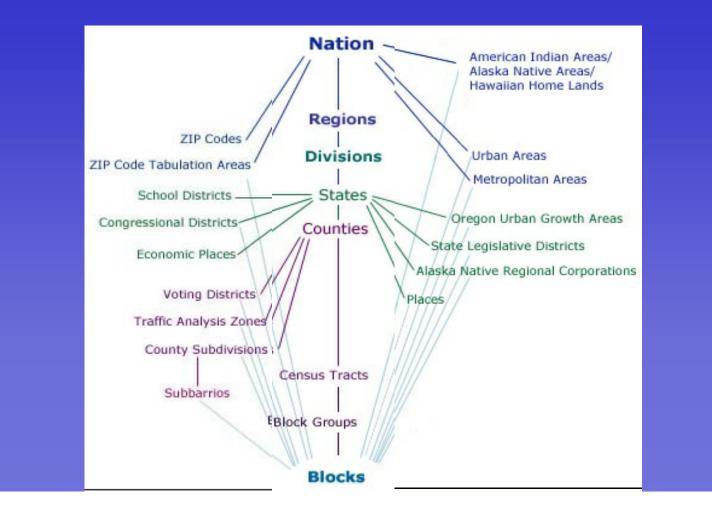
oseda.missouri.edu/modot

Office of Social & Economic Data Analysis



USCENSUSBUREAU

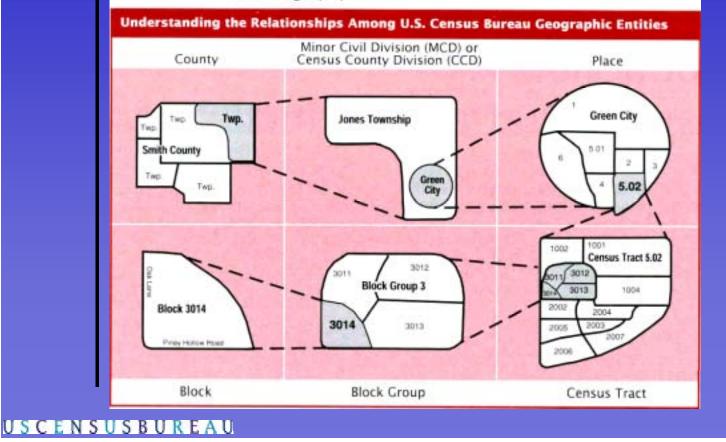
Geographic Hierarchy

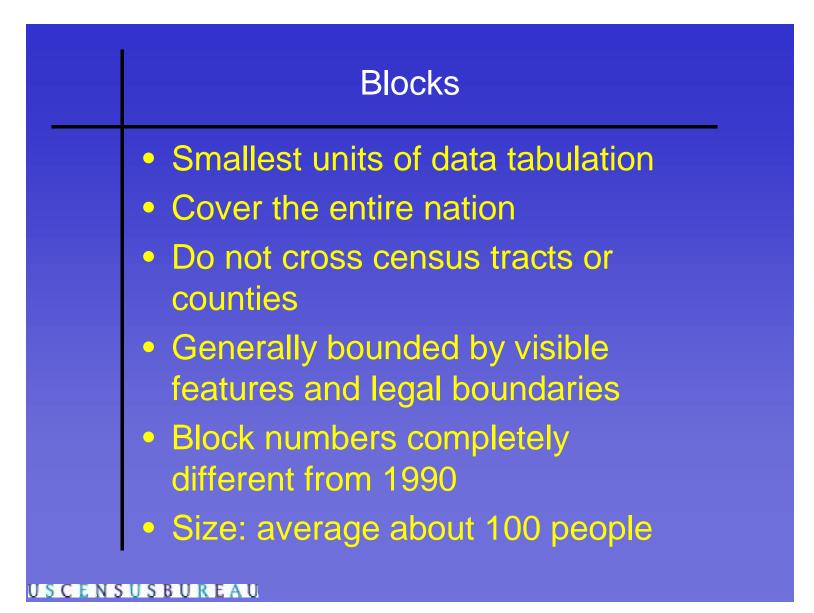


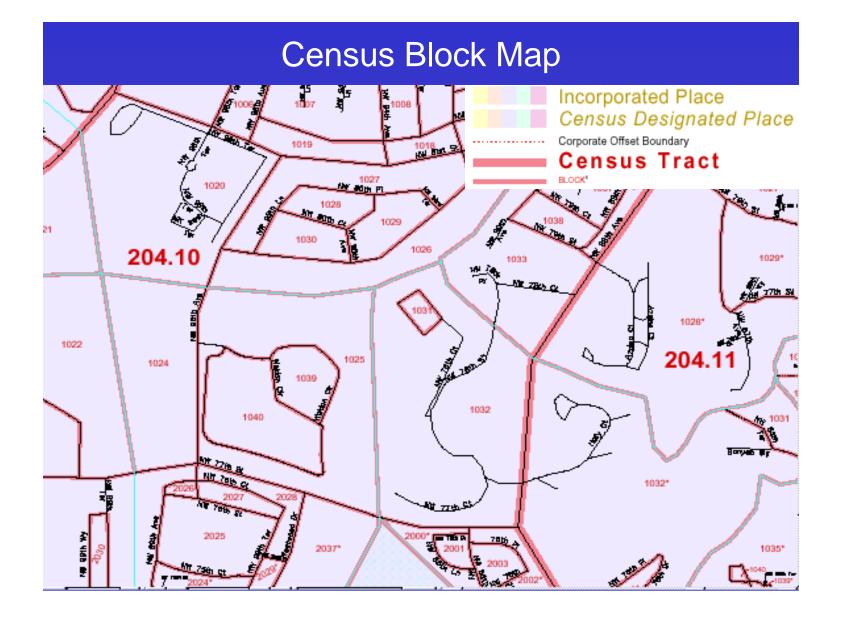
121

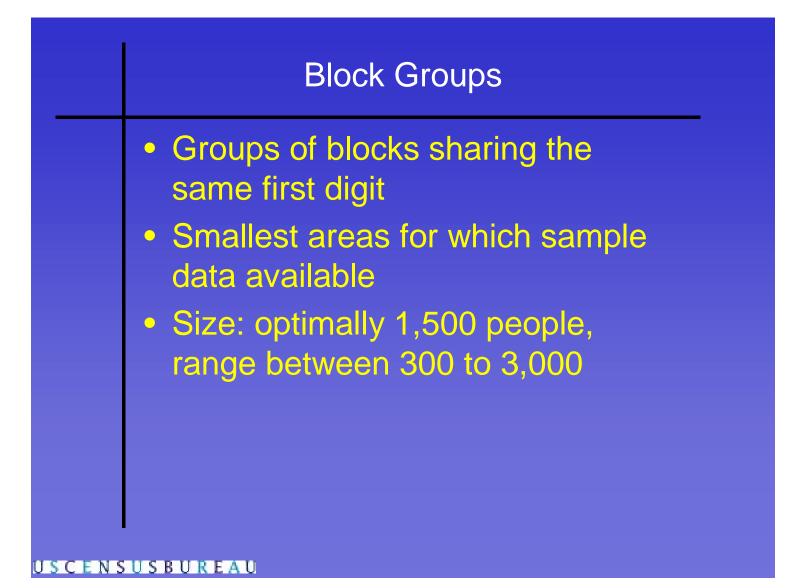
Small-Area Geography Overview

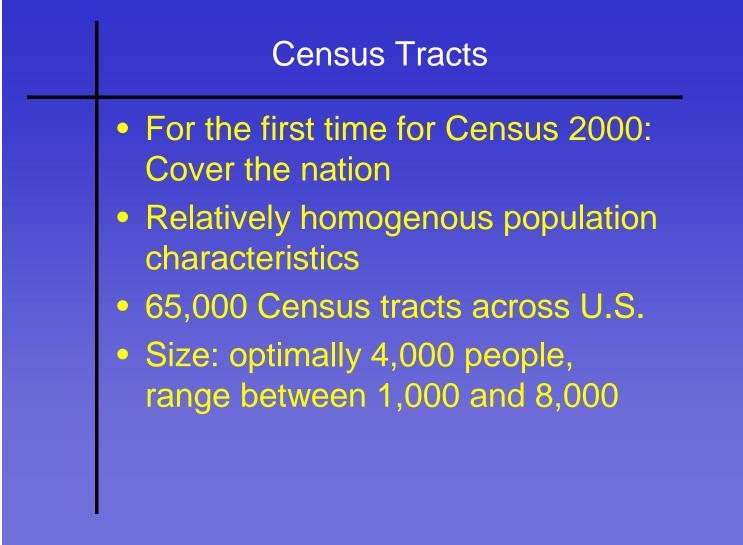
Census Small-Area Geography







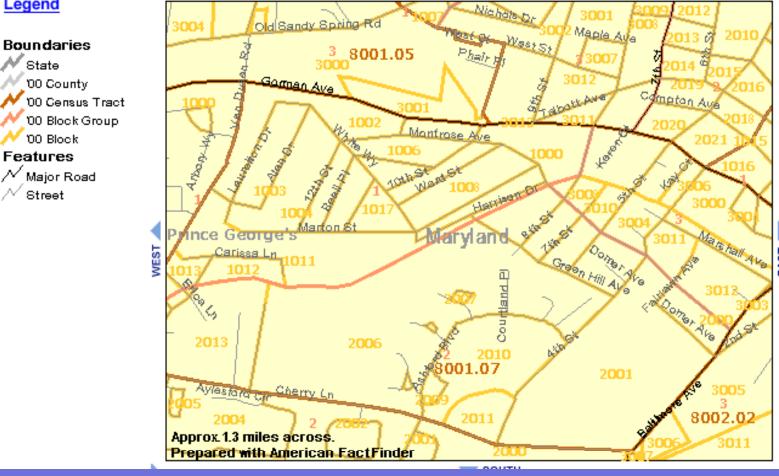


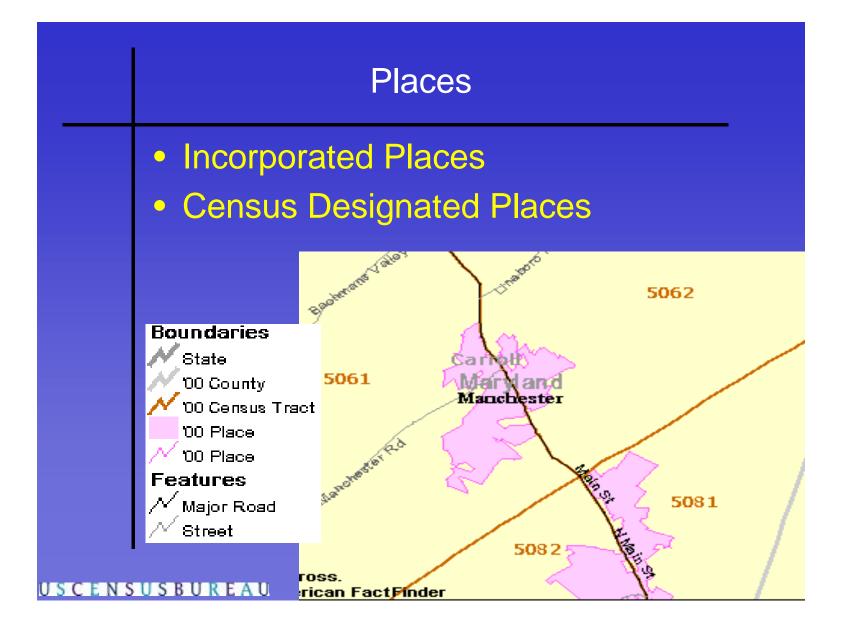


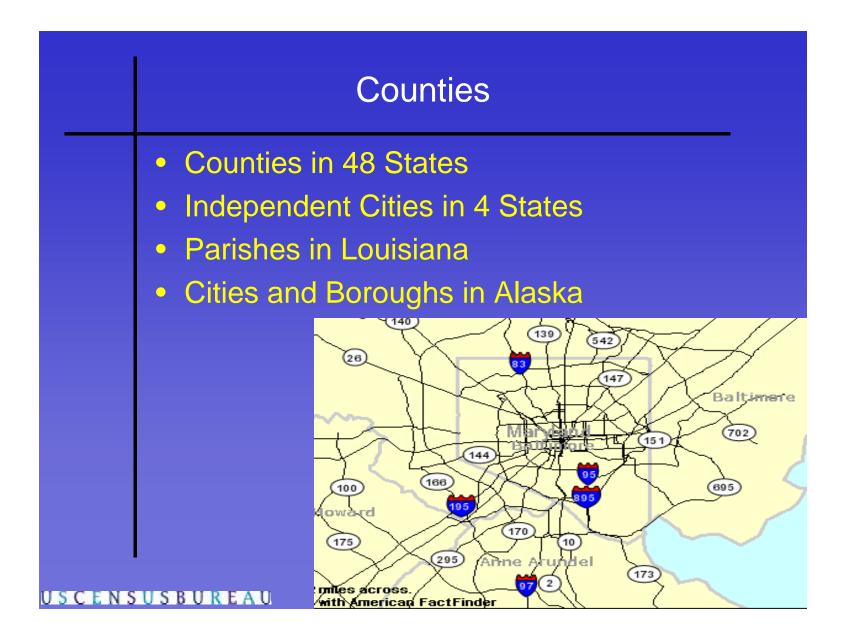
Block Groups and Census Tracts

Legend

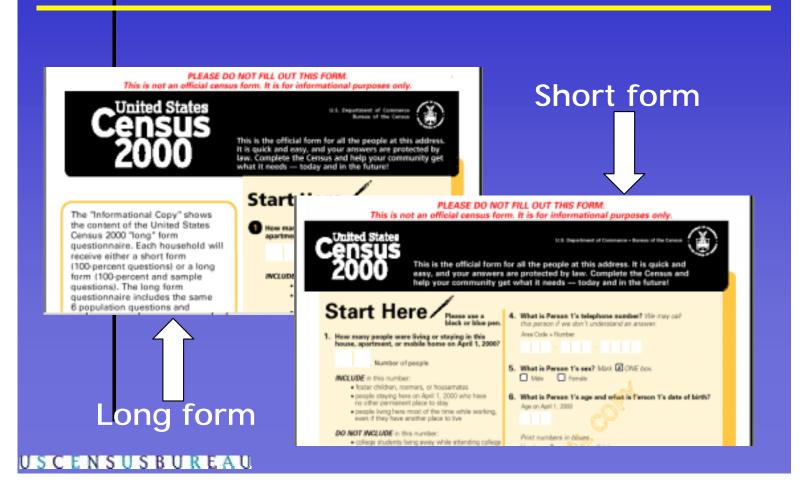
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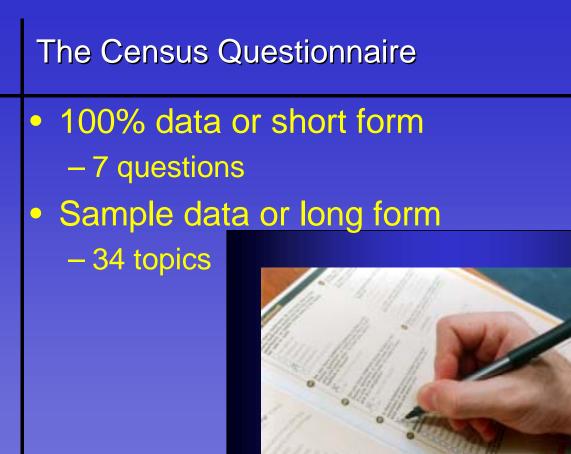




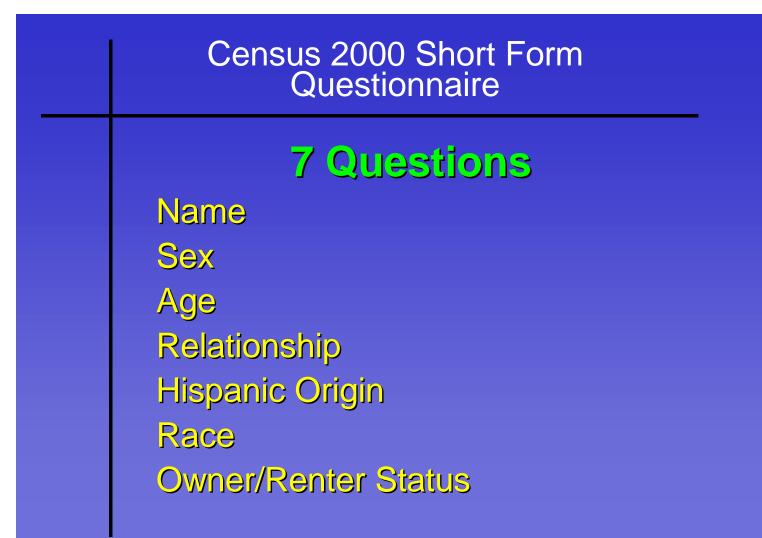
Census 2000 Short Form and Long Form



130



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Hierarchy - Summary File 1: State File Summary Levels

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

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

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

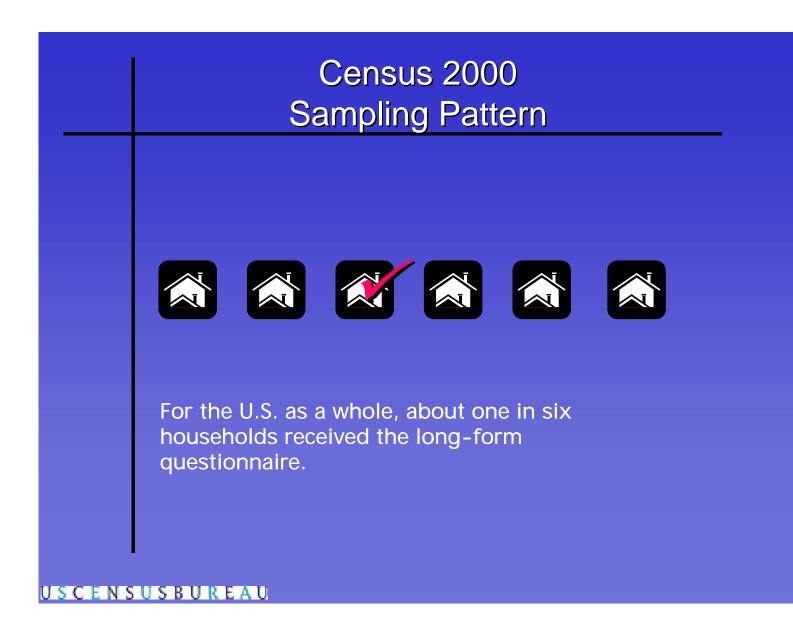
Housing Units Occupancy Status Owner-/Renter-Occupied Tenure by Race, by Hispanic or Latino

Group Quarters Population

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

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- Other noninstitutional group quarters

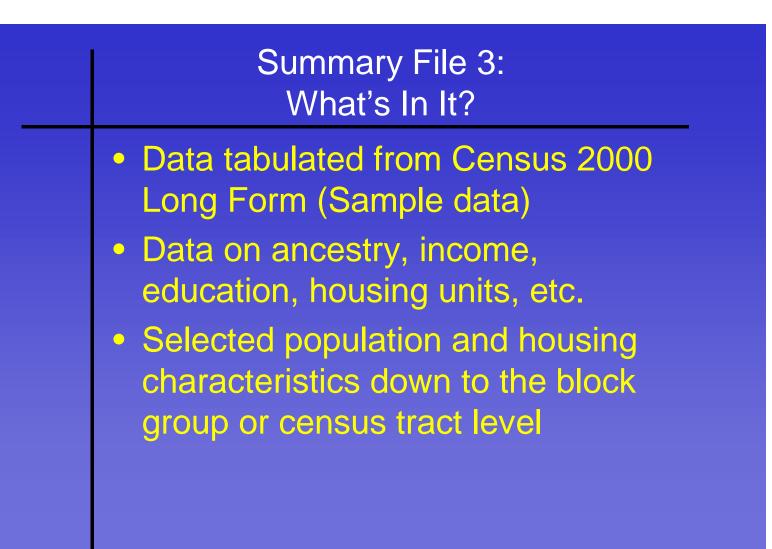




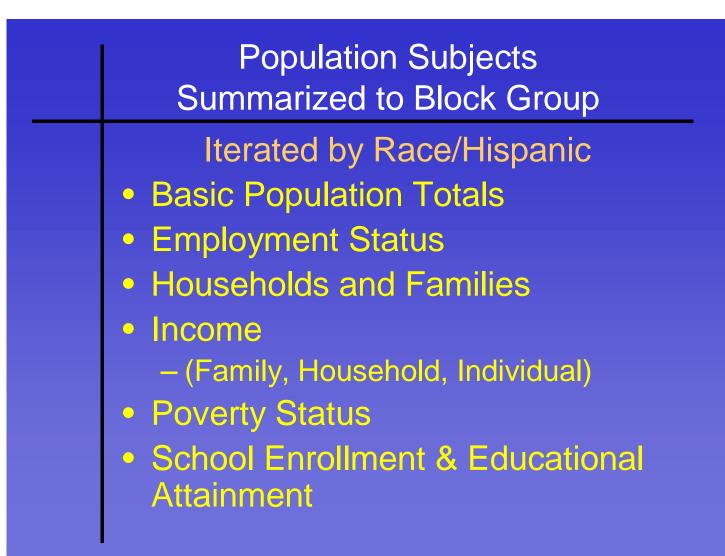
34 Subjects

- Social Characteristics
- Economic Characteristics
- Housing Characteristics

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- Ancestry 0
- Disability 0
- Employment Status Migration 0
- Grandparents as Caregivers
- Households and **Families**
- Income (Family, Nonfamily, Indiv)

- Language Spoken
- Marital Status
- Birthplace, Year of Entry, Citizenship
- Poverty Status
- School Enrollment and Educational Attainment



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

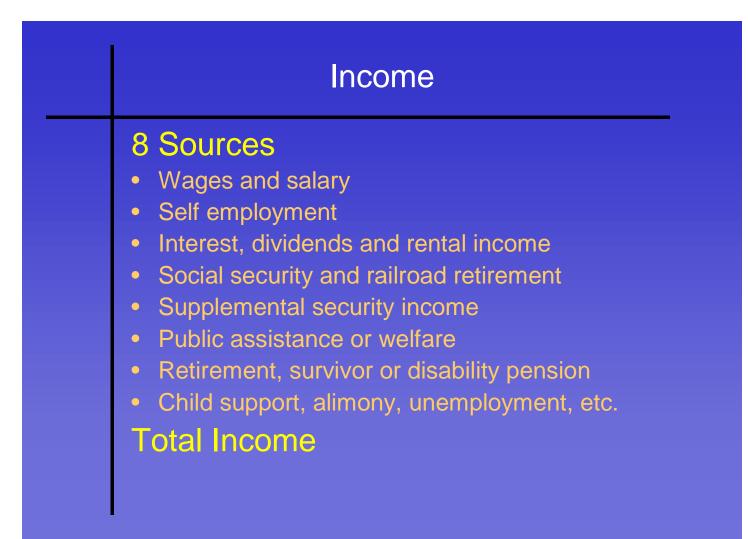


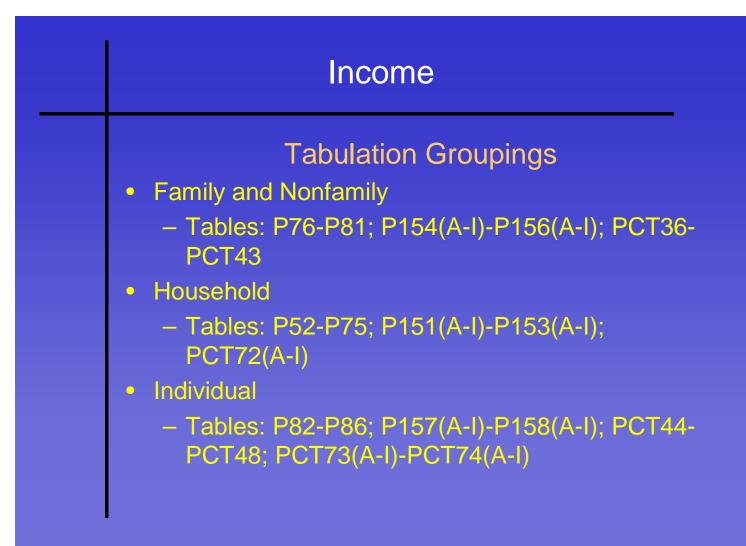
Employment Status

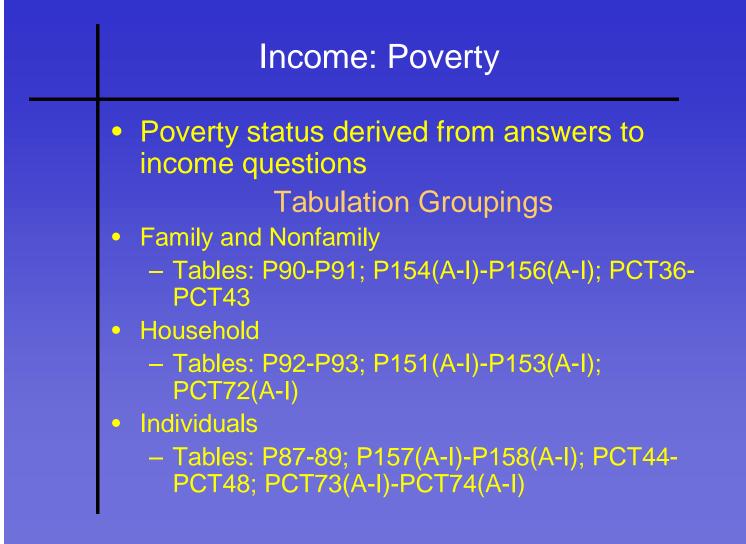
At work
Laid off or absent
Looking for work

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





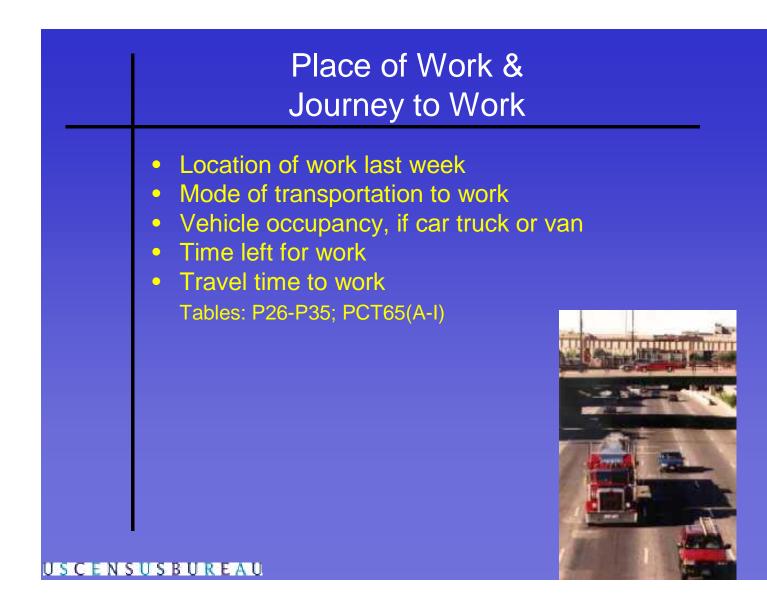


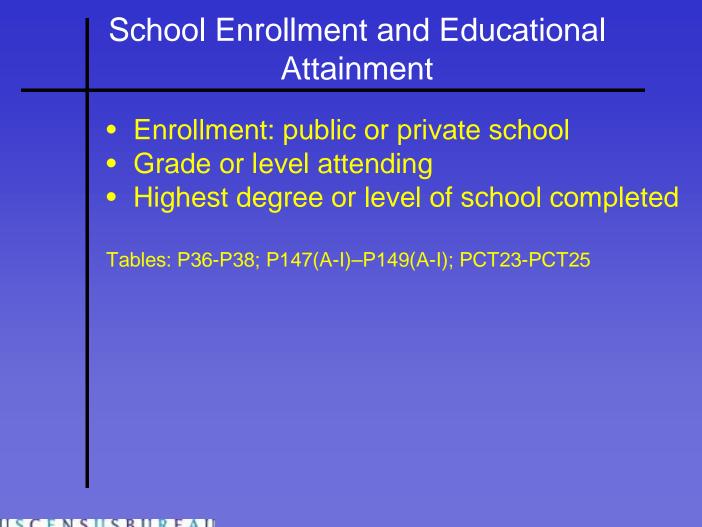


Occupation, Industry and Class of Worker

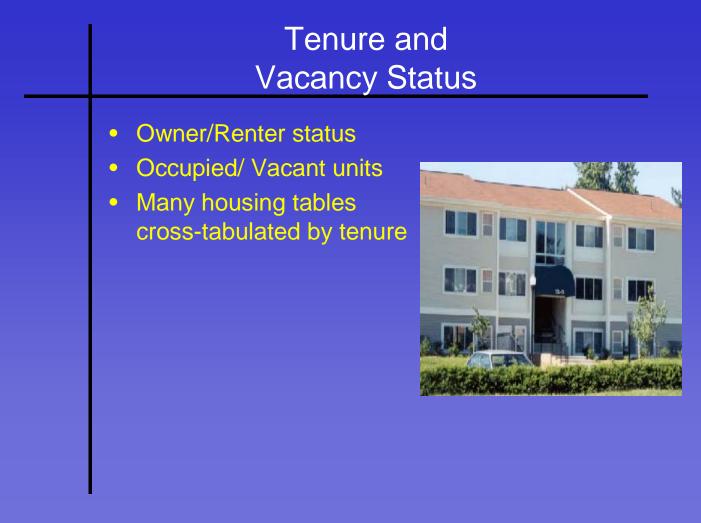
- Kind of Business or Industry
- Occupation
- Year last worked
- Class of worker:
 - Private for profit, Private not-for profit,
 - Local, state or federal government employee
 - Self employed: incorporated/not incorporated
 - Working without pay

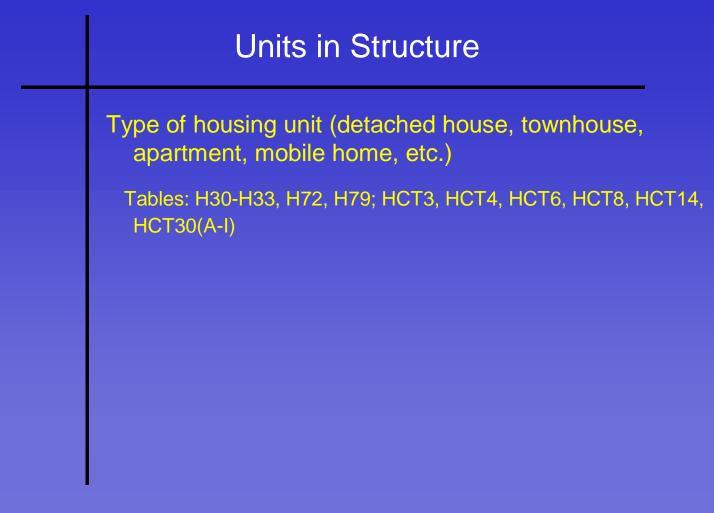
Tables: P49-P51

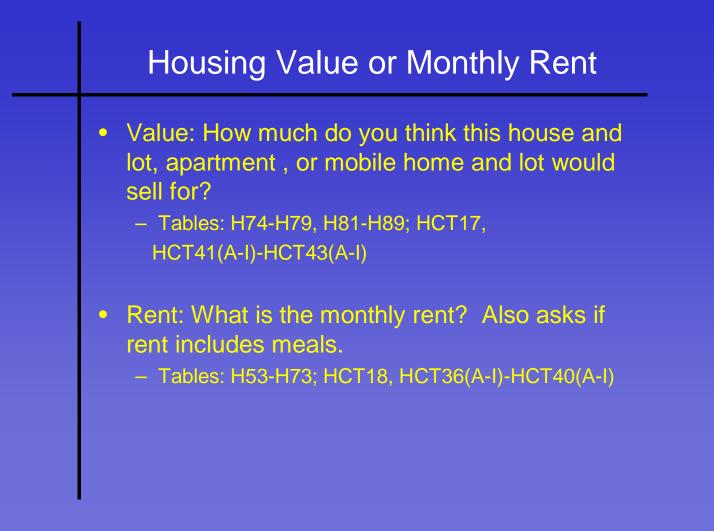












| Any vehicles under one-ton capacity for use by members of household | |
|---|--|
| Tables: H44-H46; HCT33(A-I) | |
| | |
| | |
| VEHICI ES AVAILABLE | |
| VEHICLES AVAILABLE None | |
| | 10,861,067 36,123,613 40,461,920 |



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

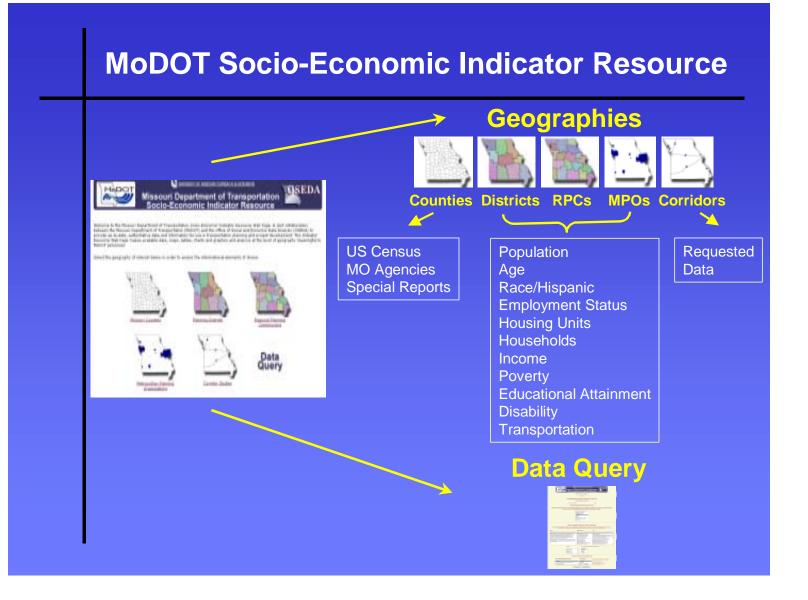
Using the Website

Jefferson City February 10, 2003

oseda.missouri.edu/modot

presented by: Office of Social & Economic Data Analysis





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 subdistrict 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



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

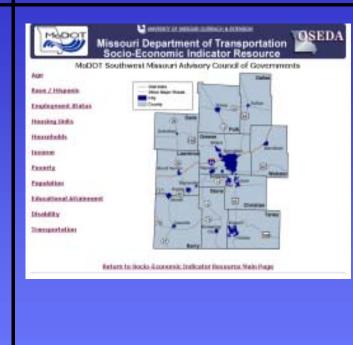
Layer 2: RPC Page



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.

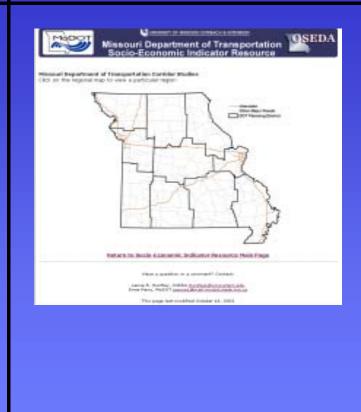
Layer 3: MPO Indicators



Indicators are organized by the following categories:

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

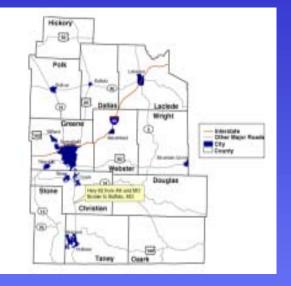
Layer 2: Corridor Page



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



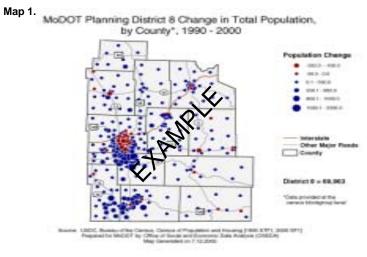
The specific corridor study page displays;

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

Requested socioeconomic 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.



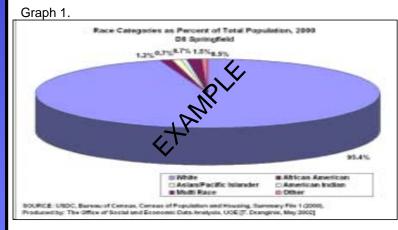
While population growth increased significantly in the 1990's, the population characteristics remained relatively stable in regard to racial composition, economic characteristics, age, and housing values.

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.



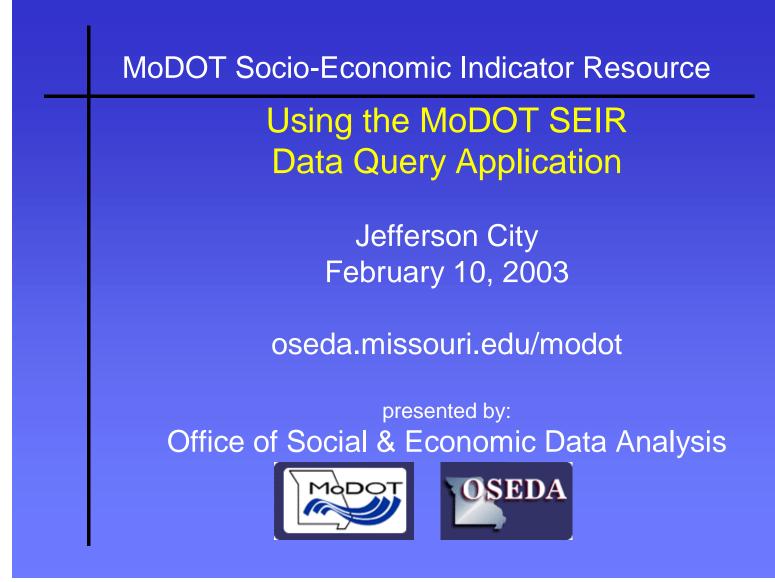
Graph 1 indicates the population as distributed by race categories. Income

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 SEIR Data Query Application



UNIVERSITY OF MISSOURI OUTREACH & EXTENSION



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.











Data Quer



Corridor Studies



SEIR Data Query

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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



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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 E: Select Geographic Area(a) to Be Used As Universe at Summary Units

Type quelled the area of interest as "One or more ..." administrative scale (in Part L show); then quelly visit one (or more) on the appropriate schort more, below. Shallarly, if you quelled one of these satisfies as your manager with then you can refert with quells one you as interested in.

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

Contractions

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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 • cay file (comma-delimited) 9. Veteran and Armed Forces Status 1990 only SAS dataset (requires SAS viewer) 10. Disability Both yrs separately HTML formatted report 11. Employment Status Both yrs merged (trends) Run Request Reset Defaults

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

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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

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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

| Subject | Number | Percent | SF3 Table | | | | | |
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| 10. Disability | | | | | | | | |
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| Civ NonInstitutionalized Pop. Pop 5 Yrs and Over | 15,807 | | <u>P42</u> | | | | | |
| 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



UNIVERSITY OF MISSOURI OUTREACH & EXTENSION

Missouri Department of Transportation Socio-Economic Indicator Resource

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







OSEDA

Commissions



Corridor Studies

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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".

| 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) | cav file (comma-definited) SAS dataset (requires <u>SAS viewer</u>) HTML formatted report |

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.

MODOT Demographic Profile - 2000 Boone County, 29019

| Subject | Number | Percent | SF3 Table | | | | | |
|---|---------|---------|--------------|--|--|--|--|--|
| <u>10. Disability</u> | | | | | | | | |
| Universe: Civilian Non-Institutionalized Persons Over 5 | | | | | | | | |
| Civ Noninstitutionalized Pop. Pop 5 Yrs and Over | 125,988 | | <u>P42</u> | | | | | |
| 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 Disabilty | 7,611 | 8.0 | | | | | | |

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

MODOT Demographic Profile - 2000 Columbia city , 29-15670

Next

| Subject | Number | Percent | SF3 Table |
|---|------------|---------|--------------|
| 10. Disability | | | |
| Universe: Civilian Non-Institutionalized Pers | ons Over 5 | | |
| Civ Noninstitutionalized Pop. Pop 5 Yrs and Over | 79,108 | | <u>P42</u> |
| 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 15-64 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.

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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".

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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".

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| MoDOT Demographic Profile - Trend 1990-2000 Benton County , 29015 Control reductor (80.200 | | | | | | | | | | |
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| -les | 4.209 | 6,718 | 1380 28.8 | | | | | | | |
| dian Family income | 812,459 | \$25 (22) | 85.428 247 | | | | | | | |

MeDOT Demographic Profile - Trend 1990-2000 Boone County , 29019

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Average Family Income

Per Capita Indones

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| 15. Other leases Meanwer (1999 dollars) | Unwest Paysies or Persons | Matsoluty 1990 | | | |
| Families | 39,866 | 35,508 | 6.736 | 20:1 | |
| Median Parelly Income | M/(210 | 844,517 | 40,011 | 18.0 | |
| Average Panity Incene | \$02,030 | \$5,509 | 46.031 | 18.2 | |
| Per Capita Isocree | \$79,040 | 816,578 | \$1,265 | 18.7 | |

MoDOT Demographic Profile - Trend 1990-2000 Callaway County , 20027

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| 13. Other Income Measures (1999 dollars) | Unrease Parelled or Parsons | Metodate | 1007.00 | | | |
| Pandau | 15.410 | 8,740 | | 1,873 | 19.1 | |
| Medan Panity Income | \$101,471 | \$21(168 | | \$6.876 | 11.4 | |
| Average Family Income | \$51,714 | \$44,000 | | \$6,725 | 145 | |
| Per Dapita ferome | \$17,005 | \$14,002 | | 42,623 | 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.

MoDOT Demographic Profile - Trend 1990-2000 Missouri , 29

Complete metadata(pdf): 1990 2000

Selected Tables: 15

| Subject | 2000 |) | 1990 | | Chang | je. | Notes |
|-------------------------------------|---------------------|---------|---------------------|------|---------|------|-------|
| Subject | Number | Pct. | Number | Pet. | Number | Pct. | Hotes |
| 15. Other Income Measures Universe: | Families or Persons | Metadat | a: <u>1990 2000</u> | | | | |
| 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 | \$58,045 | | \$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.

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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)".

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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.

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The last parameter to be selected is the data itself including, the years 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.

MODOT Demographic Profile - 2000 Ashland city , 29-02242

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| Subject | Number | Percent | SF3 Table |
|-----------------------------|--------|---------|--------------|
| 6. Place of Work | | | |
| Universe: Workers over 16 | | | |
| Workers 16 and Over | 982 | | <u>P26</u> |
| Work in County of Residence | 790 | 80.4 | |
| Workers Living in a Place | 982 | 100.0 | <u>P27</u> |
| Work in Place of Residence | 216 | 22.0 | |

HTML output regarding place of work for Ashland.

Exercise 4: Elderly Population

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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

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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 | В | С | 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 |
| 10 | | | | | | |

The screenshot shows the data output in the .csv format.

Exercise 5: Walk or Bike to Work

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Exercise 5 involves finding out 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

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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

| Testing. | | 2000 | | 1990 | | Change | | 102 | |
|--------------------|---------------------------|----------|-----------|------|--------|--------|--------|----------|-------|
| | Subject | | Number | Pct. | Number | Pct. | Number | Pct. (*) | Notes |
| 7. Commuting | Universe: Workers over 16 | Metadata | 1990 2000 | | | | - | | |
| Drive Alone to Wo | irk | | 33,767 | 75.2 | 24,263 | 71.3 | 9,504 | 3.B | |
| Carpool | | | 5,240 | 11.7 | 4,114 | 12.1 | 1,126 | -0.4 | |
| Public Transportat | tion or Taxi to Work | | 484 | 1.1 | 519 | 1.5 | -35 | -0.4 | |
| Cycle or Walk to | Work | | 3,908 | 8.7 | 4,008 | 11.8 | -100 | -3.1 | |
| Work at Home | | | 1,320 | 2.9 | 867 | 25 | 453 | 0.4 | |
| All Persons that 0 | Commute to Work | | 43,599 | 97.1 | 33,140 | 97.5 | 10,459 | -0.4 | |
| Mean Travel Tir | me 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

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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

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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 | В | C | D | E | F |
|----|-----------------------|-----------|---------------|---------------|-------------------|--------------------|
| 1 | AreaName | county | AvgCommute_90 | AvgCommute_00 | AvgCommuteCh90_00 | AvgCommutePCh90_00 |
| 2 | Bagnell town | Miller MO | 14.B | 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 | |
| 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

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Exercise 8 asks 'what are the fastest growing census block groups in Cole County?'.

How would you measure "fastest" growing?

Exercise 7: Population Change

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"Counties" are the universe and "2000 block groups" are the geographic units.

"Cole County" is selected from the "Counties" menu.

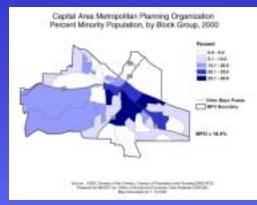
Population data is found in "Table 1. Total Population and Population by Age".

Exercise 7: Population Change

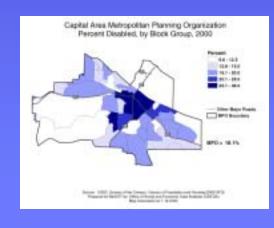
| | A | В | С | D | E | F | G |
|----|-----------------|--------------|-----------|-----------|-----------|---------------|----------------|
| 1 | Geocode | esriid | grcid | TotPop_90 | TotPop_00 | TotPopCh90_00 | TotPopPCh90_00 |
| 2 | 29051-0101.00-2 | 290510101002 | 510101002 | 836 | 2647 | 1811 | 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 |

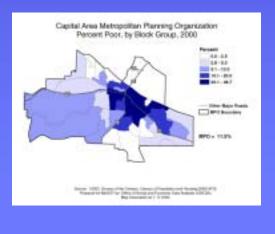
Output in .csv format of population and change in population at the block group geography for Cole County.

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?



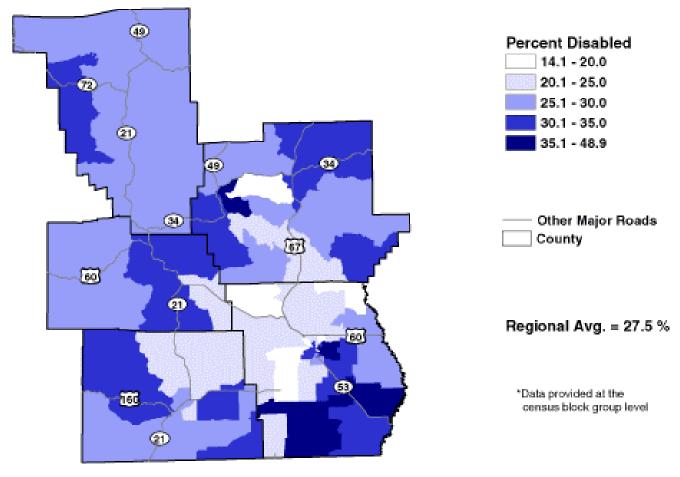


Final Report

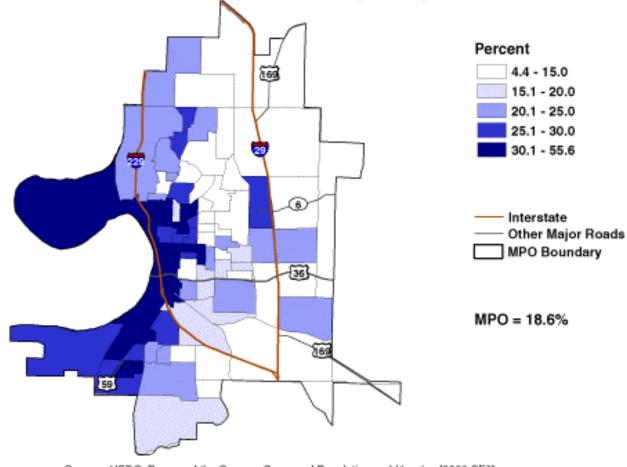
APPENDIX I – Sample Maps

This appendix contains examples of the types of maps that were created for SEIR.

Ozark Foothills Regional Planning Commission Percent Disabled, by County*, 2000

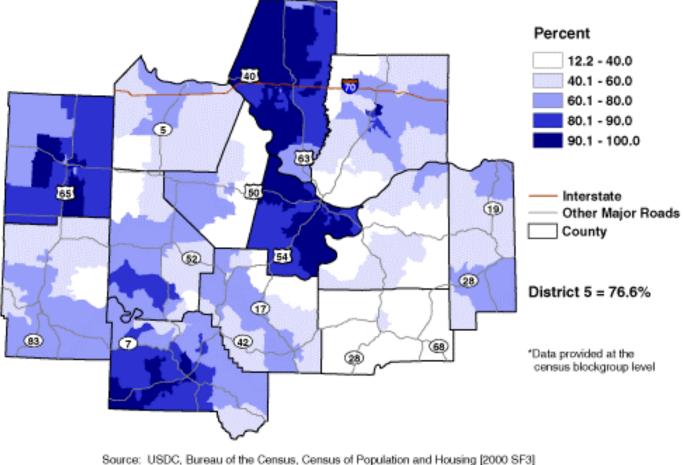


Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3] Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA) Map Generated on 01.03.2003 St. Joseph Area Transportation Study Organization Percent of Persons 25 Years or Older Without a High School Degree, by Block Group, 2000



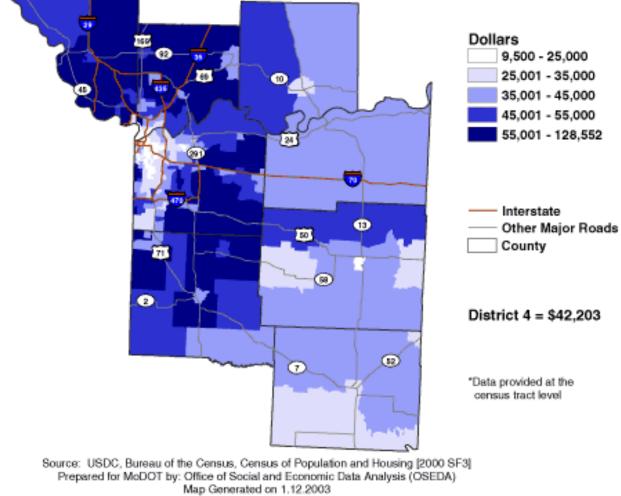
Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3] Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA) Map Generated on 1.10.2003

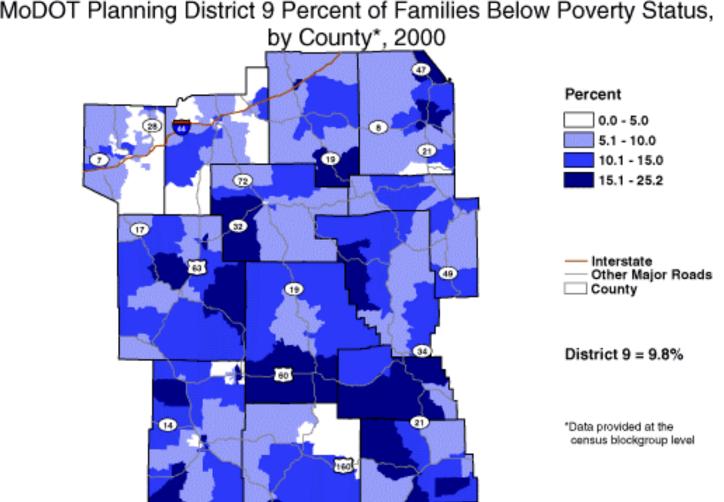
MoDOT Planning District 5 Percent of the Population 16 Years or Older Working in County of Residence, by County*, 2000



Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3] Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA) Map Generated on 12:27.2002

MoDOT Planning District 4 Median Household Income, by County*, 2000

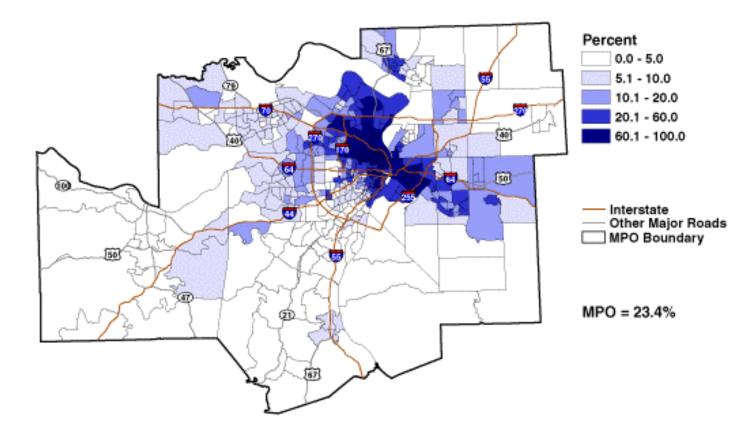




MoDOT Planning District 9 Percent of Families Below Poverty Status,

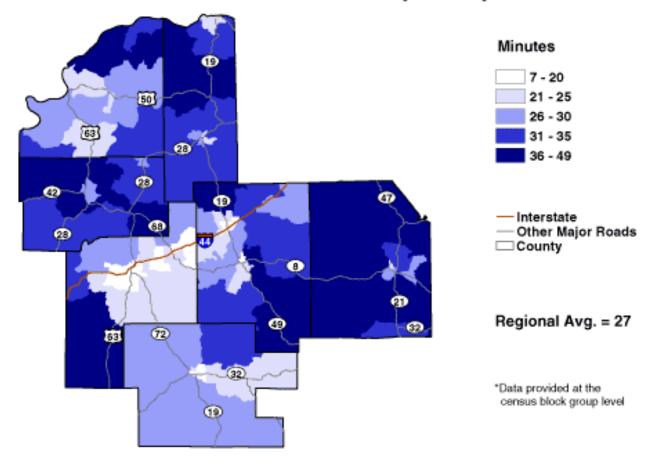
Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3] Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA) Map Generated on 1.8.2003

East-West Gateway Coordinating Council Percent Minority, by Census Tract, 2000

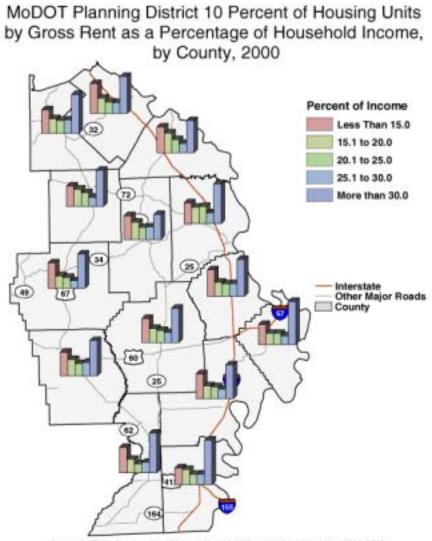


Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3] Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA) Map Generated on 1.16.2003

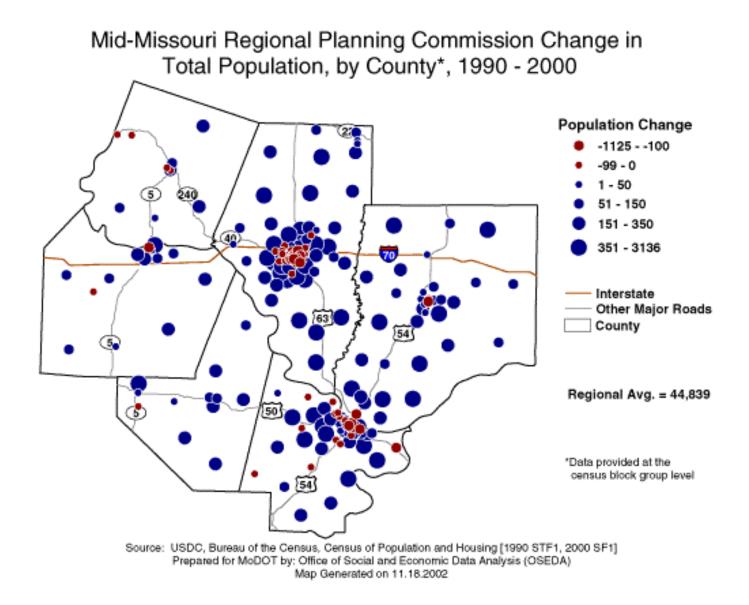
Meramec Regional Planning Commission Population 16 Years or Older Mean Travel Time to Work, by County*, 2000



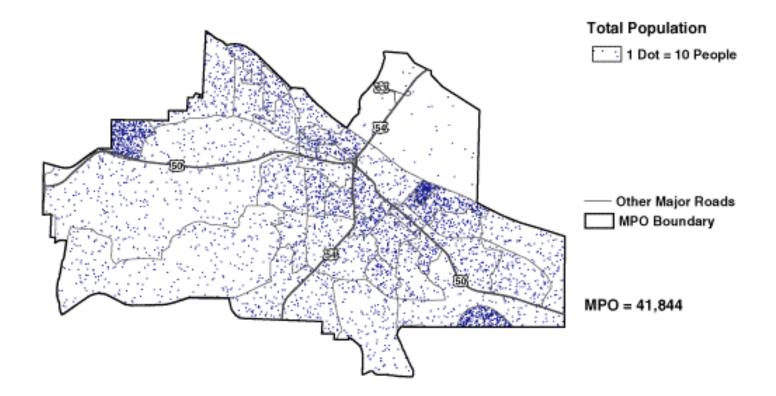
Source: USDC, Bureau of the Census, Census of Population and Housing [2000 SF3] Prepared for MoDOT by: Office of Social and Economic Data Analysis (OSEDA) Map Generated on 1.8.2003



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



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 (OSEDA) Map Generated on 1.16.2003

Highway 65 Corridor - Arkansas and Missouri Border to Buffalo, MO

