

# COLORADO COMMUNITY INCLUSION

A Geographic Index for Identifying Areas  
of Opportunity for Emergency  
Preparedness and Response in Colorado

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# EXECUTIVE SUMMARY

All people experience and recover from disasters differently. Geographic and social factors greatly influence the uneven resources and services distributed before, during and after an event that result in inequitable recovery processes. Colorado is a diverse state that encompasses a broad range of access and functional needs. To implement inclusive emergency management processes, the Colorado Department of Public Health and Environment Emergency Preparedness and Response Division has focused on integrating best practices of Community Inclusion in developing more resilient emergency systems that include all people as experts in knowing how to best meet their own needs - community inclusion instead of vulnerable populations.

In inclusive emergency management, planners and responders consider the diversity in how people communicate, transport, maintain their health and independence, and use services in their daily lives. Emergency systems should adapt and improve based on understanding who lives in their community and where they are located. A new term that is being introduced to promote inclusive emergency preparedness is “access and functional needs.” This term denotes that there are functions and access that everyone needs in emergencies, regardless of who they are. By building our systems to support everyone, an inclusive emergency preparedness and response process will be achieved that meets the needs of ALL community members.

The first step in addressing the access and functional needs of ALL people is implementing a framework into emergency management systems that includes and supports everyone’s needs. A best practice emerging in emergency management is the C-MIST framework. This framework includes a broad set of function and access-based needs unrelated to specific diagnoses, statuses, or labels. The functions are communication, maintaining health, independence, Support/Services/Self-Determination, and trans-

portation. Emergency systems should focus on the C-MIST framework as a way to include all people in emergency preparedness and response strategies and decisions.

The purpose of this report is to promote inclusive emergency preparedness and response for ALL communities in Colorado by helping emergency managers and planners better plan for and address diverse population needs before, during, and after an event. With a strong framework in place, the next step in planning for communities is understanding who lives where. This report aims to promote community inclusion and help emergency managers by providing a mapping tool that identifies areas that have high demographic diversity and limited access to disability resources that gives perspective on where intentional planning and partnerships should be focused.

To identify these opportunity areas, this report uses an evidence-based methodology provided by The Center for Disease Control to develop a Regional Opportunity Index (ROI). In this index, each census tract is analyzed for 13 different demographic indicators and received one flag if they landed in the 90th percentile (top ten percent) for each indicator. If the census tract was not in the 90th percentile for an indicator it received zero flags. These indicators were separated into three demographic themes that were used in the Vermont Social Vulnerability that include socioeconomic, population, and housing and transit. The analysis was applied to these three themes and combined to create the Regional Opportunity Index where census tracts with the highest flag count represent areas of greatest opportunity.

In addition to the ROI, a preliminary analysis of resource availability in Colorado was conducted through the development of a Disability Resource Index (DRI). This index assigned flags by



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county based on location and coverage of resources. The first criteria was if the county was covered by vision, hearing, cognitive, mobility, and aging resources. Next, the DRI assessed each county for each specific resource available under the five resource type categories. The county was flagged if 1) the resource was not located in the county and 2) if the county was not covered by a specific resource. Counties with the highest flag count represent areas with the most limited disability resource access. Findings from the ROI and DRI show where opportunity areas exist in Colorado for addressing access and functional needs and areas where resource access is limited.

The ROI and DRI found that there is a contrast in the access and functional needs in metropolitan and non-metropolitan regions. All census tracts that received the highest flag counts (7-9 flags) in the ROI were located in metropolitan areas. In the DRI, counties that had the highest flag counts (11-12 flags) were in non-metropolitan regions of the state. Generally, there is more demographic diversity in metropolitan areas and less resources available in non-metropolitan areas. The ROI, DRI, and detailed tables located in the Appendix help visualize and identify the types of access and functional needs that exist and where they are located. This result does not indicate that there are not significant population needs in non-metropolitan areas and that metropolitan areas do not need better access to resources. The ROI and DRI show that we live in a diverse state that needs adaptive and inclusive systems to support the people in all communities.

Given the broad geographic scope of this analysis, it is recommended that the ROI and DRI mapping tools are used in combination with other mapping tools available on the Colorado Community Inclusion webpage. The mapping tools on this website include a series of basic maps of the indicators used in develop-

ing the ROI and change over time maps that illustrate how these indicators have changed for communities over the past five years. These tools should also be used with other information available at the local level as the information provided in the ROI represents communities at the census tract level and does not identify the details of communities at a smaller scale.

At the county level, the DRI does not include local resources that are important to consider when planning for communities. Furthermore, local agencies and organizations should be notified of the availability of the Colorado Community Inclusion mapping tools and given training on how to use these tools and where they can be applied. Further research should develop a more inclusive list of resources available and demand for resources to conduct a more conclusive analysis of gaps in services in Colorado. To explore the mapping tools available on the Colorado Community Inclusion webpage, please visit [http://www.cohealth-maps.dphe.state.co.us/colorado\\_community\\_inclusion/](http://www.cohealth-maps.dphe.state.co.us/colorado_community_inclusion/).



# INTRODUCTION

Emergency events are unpredictable, inevitable, and vary depending on the populations affected and emergency systems in place. At the heart of the disasters are the communities facing and surviving the event with each group experiencing these events differently depending on their demographic profiles and access to resources. Emergency preparedness and response is a more social than technical process. In many emergency events, this leads to unequal distribution of support and resources to the populations who experience the negative consequences of inequitable processes in their everyday lives.<sup>1</sup> Implementing planning and preparedness strategies that includes all people in the process and adheres to the specific needs of each unique community will support and protect the lives of Colorado residents by being responsive to the diversity of all Colorado's people and improving all phases of the disaster cycle.

The disaster cycle consists of four phases that include preparedness, response, recovery, and mitigation. In all phases of the disaster cycle, there are vulnerability to hazards influenced by many factors including age, income, resource access, and other population characteristics.<sup>2</sup> Evidence from previous events has shown that in a disaster-struck area, different communities are not affected equally and lower socioeconomic status is an indicator of greater risk for experiencing negative consequences before, during, and after an event.<sup>3</sup> Vulnerability to hazards increases in combination with greater concentrations of racial and ethnic minorities, children, elders, disabled persons, poor housing conditions, and other population characteristics depending on the unique character of the community. To support the resiliency of all communities regardless of their geographic and demographic characteristics, access to specific resources in an emergency must be planned for and implemented at all stages of the disaster cycle.

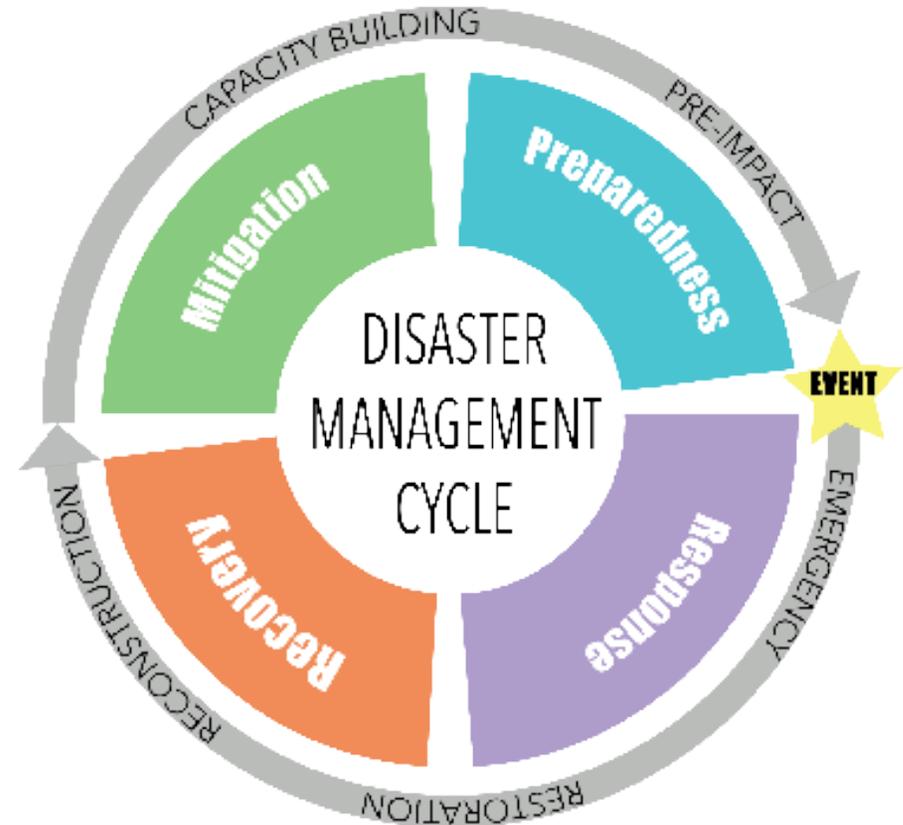


Figure 1. Emergency Management Cycle Process

Colorado is a culturally and environmentally diverse state, constantly undergoing change. From experiencing an 8.5% increase in population over the past 5 years<sup>4</sup>, a bustling tourism industry, and various natural hazards throughout the state, Colorado's community profiles are constantly changing. The variability and change among different populations in Colorado makes it difficult to identify and adapt the specific needs of all Colorado residents. Despite the barriers in identifying the diverse needs of communities on a local scale, it is essential that intentional efforts be made in improving emergency systems based on the people in their community.

<sup>1</sup> Rumbach, Makarewicz, Nemeth, & Thomas, 2013

<sup>2,3</sup> Flanagan, Gregory, Hallisey, Heitgerd, & Lewis, 2011

<sup>4</sup> U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates



# COMMUNITY INCLUSION

At the core of improving the emergency systems in Colorado is identifying areas of opportunity where community needs are not being met. For the Office of Emergency Preparedness and Response (OEPR) at the Colorado Department of Public Health and Environment (CDPHE), including all communities in every step of the emergency management cycle has been an important step in improving community awareness, resiliency, and health equity across Colorado. To ensure the improvement of emergency systems and the ability to care for ALL Coloradans, the OEPR at CDPHE has shifted the perspective of focusing on vulnerable populations to Community Inclusion. This approach aims to include the whole community in emergency preparedness and response, leading to a more resilient strategy that empowers the people within the community as the experts in knowing how to meet their own unique needs.

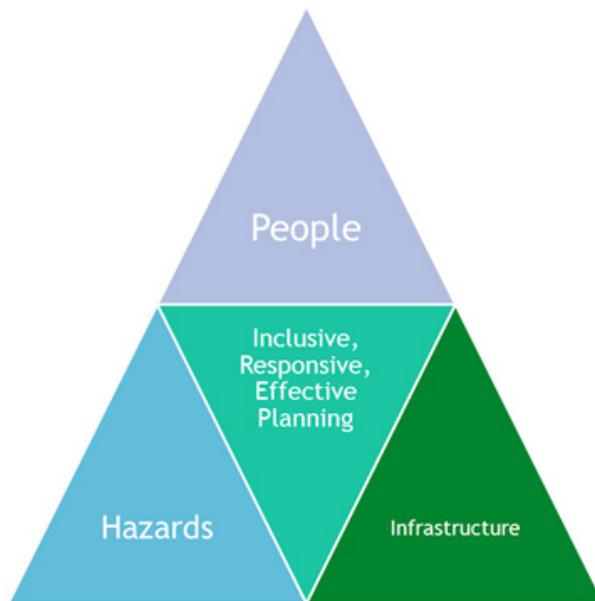


Figure 2. Balancing the Triangle: people sit on the top of the pyramid because they are the catalyst and the ultimate evaluation of our response systems

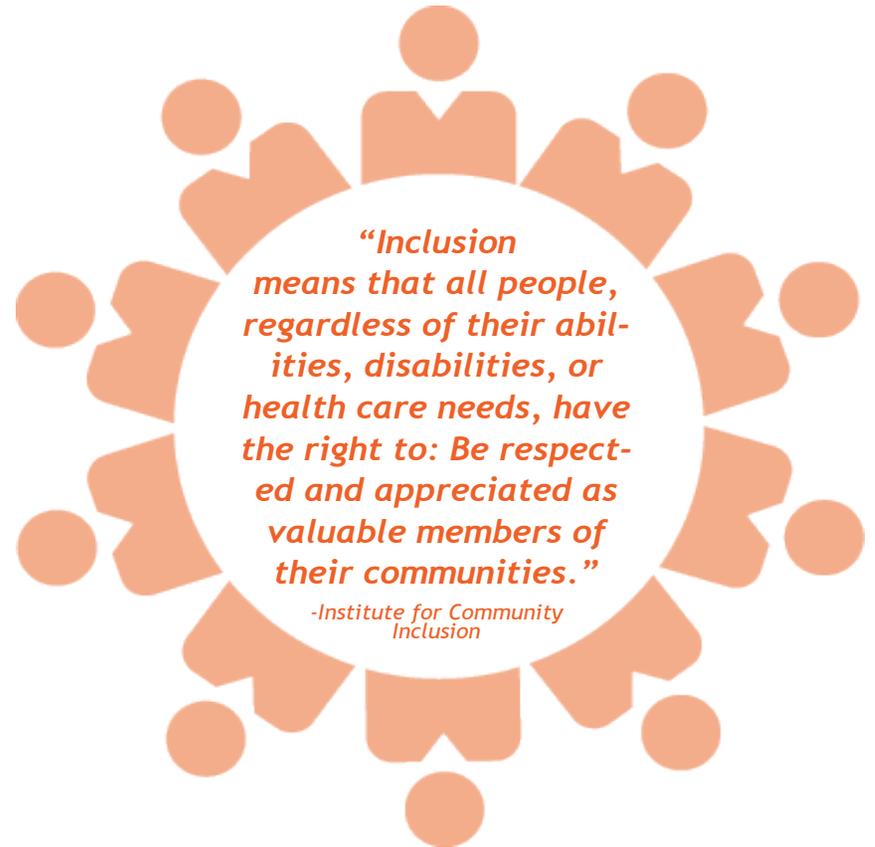


Figure 3. Definition of Community Inclusion

Thus far, the Community Inclusion efforts with the Office of Emergency Preparedness and Response has focused on supporting inclusive emergency preparedness and response through building relationships between community leaders and emergency partners with the development of a Colorado Community Inclusion and Health Work group. Furthermore, Colorado Community Inclusion Maps have been published for public use to enhance current emergency preparedness and response planning and resources by making location-based community information easy-to-access. The next step for Colorado Community Inclusion efforts is to use these relationships and information to provide an analysis of the data that can be used in effectively improving community inclusion in Colorado.



# BACKGROUND

This report supports Colorado Community Inclusion by providing a Regional Opportunity Index (ROI) that geographically identifies access and functional needs gaps throughout the State. To identify areas of opportunities in Colorado, the ROI will flag opportunity areas by census tract, analyzing 13 demographic characteristics. In addition, this report gives a preliminary look at resource access in Colorado by flagging counties with limited resource access. Using specific variables in the analysis, the ROI will address multiple dimensions of access and functional needs by discovering the cultural, economic, social, and geographic profiles of communities across Colorado.

Ultimately, the purpose of the Regional Opportunity Index is to support inclusive emergency preparedness and response that helps better protect and serve ALL people in Colorado. The ROI identifies areas in where there is high diversity demographically and less coverage by disability resources and gives a new perspective on where intentional community inclusion planning and partnerships should be focused. The information provided by the ROI can help emergency managers and planners better prepare for and address diverse population needs before, during, and after an event. All populations in Colorado will have improved access to services by informing planners where to focus new or cooperative services and resources.

To provide a greater understanding of emergency preparedness and response in Colorado, the ROI report discusses history of failed emergency preparedness and response, best practices in addressing access and functional needs, and an overview of emergency management and indicators for identifying gaps in community inclusiveness in Colorado.

The ROI uses an evidence-based methodology in developing the ROI tool that helps identify the gaps and barriers in Colorado's current emergency management system. An analysis of the results and findings based on the methodology will be included, followed by the recommendations and conclusions of this report.

## PURPOSE

To promote inclusive emergency preparedness and response for ALL communities in Colorado

## GOAL

To help emergency managers and planners better plan for and address diverse population needs before, during, and after an event

## OBJECTIVES

Identify areas that have high demographic diversity and limited access to disability resources

Create an easy-to-use tool that gives perspective on where intentional community inclusion planning and partnerships should be focused

Provide an analysis of the communities in Colorado where access to functional needs are not being met

Figure 4. Purpose, goal, and objectives of report



# BACKGROUND

## STATE EMERGENCY OPERATIONS

Emergency planning and response depends on many different agencies at federal, state, and local levels. Intervention of State and Federal agencies varies depending on the severity of the event, type of disaster, and local resources available. Regardless of the nature of the disaster, assistance by state government is necessary in meeting the needs of the whole community. All levels of government are responsible for working together in preparing for, preventing, mitigating, responding to, and recovering from the effects of an emergency or disaster event. The State Emergency Operations Plan (SEOP) has been developed to provide direction to State agencies and non-governmental organizations in responding to emergencies, disasters, and other events by identifying the roles, responsibilities, and actions of state divisions and local agencies.

The response procedures designated in the SEOP is activated only by the Gubernatorial Executive Order. This 490-page emergency management document identifies important planning and preparedness activities that state departments must adhere to. Fifteen departments are assigned an Emergency Support Function (ESF) that determines their role in emergency response. The Colorado Department of Public Health and Environment is responsible for ESF #8 that covers Public Health, Medical Services, and Behavioral Health.

In addition to providing a framework for emergency operations, identifying roles, and integrating local organizations, the SEOP serves the vital purpose of ensuring that all people who have disabilities or access or functional needs are fully involved in all phases of emergency and disaster planning. To meet these needs, the SEOP must adhere to the established goal of

preserving life and inclusion of the whole community. The concept of whole community is to build resiliency by creating an environment where residents, emergency management practitioners, organizational and community leaders, and government officials can collectively understand and assess the needs of their communities, determining the most effective ways to organize and strengthen their assets, capacities, and interests.<sup>5</sup>

When the whole community is not involved in the emergency management process the people and places where these communities live become more vulnerable to negative consequences from disasters and other emergency events. Therefore, the SEOP has adopted and recited the Colorado Disaster Emergency Act, where part A of the act serves the purpose of “reducing the vulnerability of people and communities of this state to damage, injury, and loss of life and property resulting from natural catastrophes of human origin, civil disturbance, or hostile military or paramilitary action”.<sup>6</sup> As the ESF #8, the Office of Emergency Preparedness and Response (OEPR) at CDPHE provides public health and medical preparedness, mitigation, response, and recovery before, during, and after events. With this responsibility, the OEPR plays an important role in reducing vulnerability and protecting Colorado residents through including the whole community in all phases of emergency preparedness and response.

In the ESF #8 section of the SEOP, action areas are identified to assist in guiding the OEPR in improving emergency preparedness, mitigation, response, and recovery efforts in Colorado. A specific prevention action identified by the SEOP is to increase the use of Geographic Information Systems (GIS) information to identify areas with vulnerable sites or populations. Through the OEPR, this report aims to identify areas of opportunity where social and geographic variables illustrate functional and access needs in a community. Ultimately, the Regional Opportunity Index

<sup>5,6</sup> Colorado Department of Public Safety, Division of Homeland Security and Emergency Management, 2015



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will be used and available as an open source tool that government agencies, community organizations, and residents can use in integrating the whole community concept in inclusive emergency planning, preparedness, mitigation, response, and recovery.

## EMERGENCY PLANNING, PREPAREDNESS, & RESPONSE FRAMEWORK

At the heart of a whole-community emergency management approach and community inclusion is the framework in place to guide decisions in all phases of the disaster cycle. In 2005, a hurricane season hit the United States that began the movement towards eliminating the use of the terms “special needs” and “vulnerable populations”.<sup>7</sup> These terms, when applied to a population or community group, can be dis-empowering. Vulnerability implies weakness and that nothing can change, when these populations are often actively solving the challenges and disconnects they experience because of gaps in our service systems.<sup>8</sup> This term encompasses over half of the population living in the U.S. and when broadly defined, lead to inadequate planning and failures in emergency response. Thus, a C-MIST framework has been implemented into the emergency planning and preparedness efforts at CDPHE to ensure that the needs of the whole community are being met.

C-MIST is a function-based framework for emergency management and planning that is based on five essential function-based needs: communication, medical needs, maintaining functional independence, supervision and transportation. These are vital needs for those with and without a disability. Keep in mind, disability not only encompasses individuals who are blind, deaf, or use wheelchairs. According to Moving Beyond Special Needs,

“Individuals with disabilities include those with one or more activity limitations, such as reduced capacity or inability to see, walk, lift, speak, hear, learn, understand, manipulate or reach controls, and/or respond quickly.”<sup>9</sup> This perspective of disabled populations infers that a great portion of the population in every community has at least one disability requiring the integration of the C-MIST essential needs approach before, during, and after an event. Planning for groups with greater access and functional needs leads to better preparedness and capabilities to serve all people.

FUNCTION	DESCRIPTION
Communication	Populations who will not/cannot hear, see, or understand due to hearing, understanding, cognitive, or intellectual limitations. This population includes people who are ethnically diverse; who have limited or no ability to speak, read, or understand English; who have reduced or no ability to speak, see, and hear; and who have limitations in learning and understanding.
Medical	Medical needs can include managing unstable, terminal, or contagious health conditions that require observation and ongoing treatment; managing medications, intravenous (IV) therapy, tube feeding, and/or regular vital signs readings; administering dialysis, oxygen, and suction; managing wounds, catheters, or ostomies; and operating power-dependent equipment to sustain life.
Independence	Maintaining functional independence can include replacing essential medications for blood pressure management, seizures, diabetes, and psychiatric conditions; replacing lost or adaptive equipment, and essential consumable supplies; and assisting with orientation for those with visual limitations.
Supervision	Populations include people who decompensate because of transfer trauma stressors that exceed their ability to cope, or lack of ability to function in a foreign environment; people with conditions such as dementia, intellectual disability, Alzheimer's, and psychiatric conditions; people who function adequately in a familiar environment but become disoriented and lack the ability to function in an unfamiliar environment; prisoners; and unaccompanied children.
Transportation	This includes people who are old, are poor, or need wheelchair-accessible transportation. Many non-drivers and people without vehicles can function independently once evacuated to safety.

Figure 5. C-MIST Functional Needs Table<sup>10</sup>

<sup>7, 9, 10</sup> Kailes & Enders, 2007

<sup>8</sup> Colorado Department of Public Health and Environment, 2016



# BACKGROUND

Ensuring the protection of all Colorado residents by providing the access and functional needs required of each diverse population group is necessary in emergency planning and response efforts. Advancements in addressing the needs that currently exist in Colorado should be made to promote an inclusive planning process that serves all community members. Before intentional, strategic recommendations and plans can be implemented that address the C-MIST functional needs, knowledge of geographic and demographic profiles of communities must be understood to identify opportunity areas.

Geographic and demographic variables can help identify opportunity areas where gaps in needs and services are not being met. According to Geographic Healthcare Access and Place, there are cultural, economic, social, geographic, temporal, and digital barriers to resource access.<sup>11</sup> Obtaining access to services is critical in meeting the needs of diverse populations and each dimension of access impacts the availability of services to different populations.

Depending on the situation, distances to services, lack of facilities, high demand for services, and lack of financial resources necessary to obtain health coverage can all impact an individual's ability to meet their health needs. Without adequate access to services, there is a higher risk for poor health and overall poor quality of life. With the use of Geospatial Information System technologies, we can identify areas where barriers in access to services are located and determine the best strategies for improving the availability of resources and healthcare for all Colorado residents.

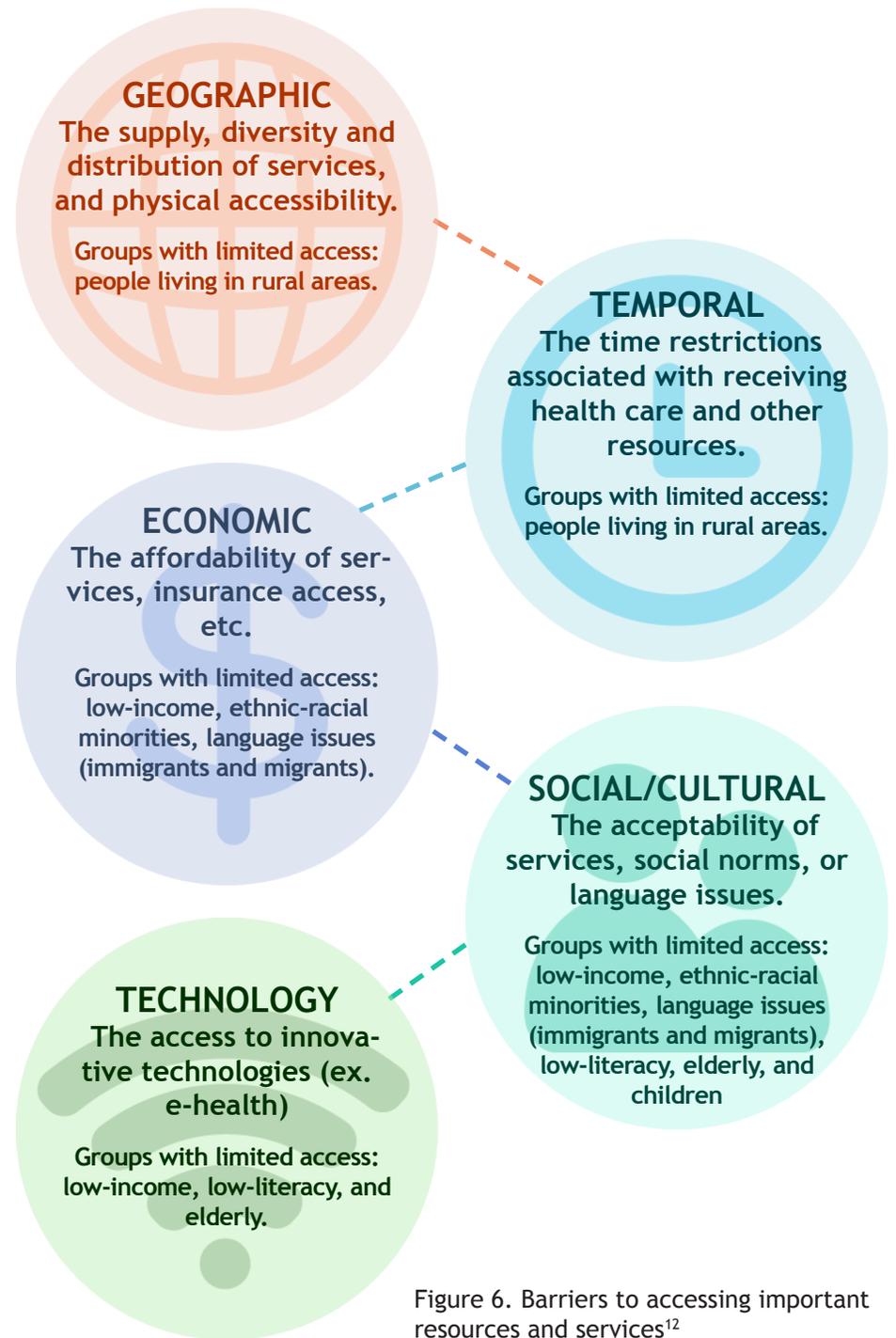


Figure 6. Barriers to accessing important resources and services<sup>12</sup>

<sup>11, 12</sup> Health and Place Initiative, 2014



# BACKGROUND

## GIS FOR INCLUSIVE EMERGENCY PLANNING, PREPAREDNESS, & RESPONSE

Using GIS to identify areas where populations require greater access and functional needs support is essential in creating a more effective and equitable emergency planning and response process. One use of GIS that has become a best practice in using GIS to better serve communities is the Social Vulnerability Index for Disaster Management. In 2011, the Journal of Homeland Security and Emergency Management published A Social Vulnerability Index for Disaster Management. The report defines social vulnerability as the “socioeconomic and demographic factors that affect the resilience of communities”.<sup>13</sup> Studies show that communities who represent this definition of social vulnerability experience more detrimental outcomes. Human suffering and economic loss associated with providing services and assistance after an event can be decreased by focusing on including all communities in emergency management activities and by addressing the access and functional needs of each unique community.

The value of the Social Vulnerability Index for Disaster Management report is that it provides a methodology for spatially analyzing vulnerability and the applicability of a SVI in disaster management. Specifically, the report analyzes the use of a SVI on the impacts to local communities after Hurricane Katrina. Before looking at the application of the SVI on the outcomes of Hurricane Katrina, The Social Vulnerability Index for Disaster Management describes the rationale for determining risk and vulnerability.

Until the 1970’s, disaster management focused on infrastructure technology, and other physical hazards. The evolution of disaster management in addressing social vulnerability has been slow in actual emergency practice. As the collection of evidence over time has grown, the importance of addressing the needs of less resilient communities has become well known and accepted. Disaster management research and practice uses the following equation in determining risk:

$$\text{Risk} = \text{Hazard}^* (\text{Vulnerability} - \text{Resources})$$

Figure 7. Risk assessment equation<sup>14</sup>

This equation helps to visualize the importance of the population and resources available as a function of emergency preparedness and response. The SVI presented in the Social Vulnerability Index for Disaster Management Report addresses the vulnerability and resource accessibility component of the disaster management equation that helps improve the effectiveness of all phases of the disaster cycle. Although all people need access and functional support before, during, and after events, certain populations represent groups that require more support than others. Ultimately, the most vulnerable people are those whose needs are not being met in local planning and response.<sup>15</sup> The report identified 4 demographic themes that often indicate vulnerabilities. These themes include socioeconomic status, household composition and disability, minority status and language, and housing and transportation.

<sup>13, 14, 15</sup> Flanagan, Gregory, Hallisey, Heitgerd, & Lewis, 2011



# BACKGROUND

INDICATOR	RATIONALE	VARIABLES
<b>Socio-Economic Status</b>	Economically disadvantaged populations are disproportionately affected by disasters. The poor are less likely to have the income or assets needed to prepare for a possible disaster or to recover after a disaster	Income, poverty, employment, & education
<b>Household Composition &amp; Disability</b>	Includes dependent children less than 18 years of age, persons aged 65 years and older, and single-parent households. Also included are people with disabilities. People in these categories are more likely to require financial support, transportation, medical care, or assistance with ordinary daily activities during disasters.	Age, single parenting, and disability.
<b>Minority Status &amp; Language</b>	The social and economic marginalization of certain racial and ethnic groups, including real estate discrimination, has rendered these populations more vulnerable at all stages of disaster.	Race, ethnicity, English language proficiency
<b>Housing &amp; Transport</b>	Housing quality is an important factor in evaluating disaster vulnerability. It is closely tied to personal wealth; that is, poor people often live in more poorly constructed houses or mobile homes that are especially vulnerable to strong storms or earthquakes	Housing structure, crowding, and vehicle access.

## SVI APPLICATION: HURRICANE KATRINA

For the general SVI, 15 census tract level demographic variables were chosen to identify populations with greater access and functional needs. These variables were used in two ways to address vulnerability of populations. First, a percentile rank was calculated for each variable where higher values indicated the presence of potentially vulnerable populations. Two more SVIs were created, one to display the vulnerability among the four themes and the other to show an overall index that combined all variables into one index. This approach assigned a total flag count to every tract for each individual variable that were in the 90th percentile (top 10 percent).

On August 29, 2005 Hurricane Katrina caused catastrophic flooding in both Mississippi and Louisiana. New Orleans experienced mass destruction and loss of life with the entire city under water. For the purpose of analyzing social vulnerability and Katrina's impact, this case study looks at the value of the SVI in the recovery and response phases of the disaster.

Mortality rates among the elderly population as a result of Katrina were extremely high when compared to other groups. Most of the fatalities in New Orleans, St. Bernard, and Jefferson Parishes were elderly people with almost half over the age of 75. The SVI displayed a map that compares the percentile ranking of elderly persons age 65 and over, areas where flooding was greater than two feet, and the probability of death by drowning.

Of the 15 tracts with a statistically significant higher number of deaths than expected, eight were located within the most vulnerable category of elderly residents. The remaining tracts were

Figure 8. Demographic theme description table <sup>16</sup>

<sup>16</sup> Flanagan, Gregory, Hallisey, Heitgerd, & Lewis, 2011



# BACKGROUND

in the middle SVI category with one tract in the least vulnerable category. The association between tract-level elderly SVI value and mortality cannot be assured with 100 percent confidence, but what can be confirmed from Katrina is that elderly people were disproportionately affected, and that the SVI can be used to identify priority areas for future emergency preparedness and response activities. The findings from the analysis also concluded that data on facilities, such as nursing homes, would be beneficial in the analysis because many elderly people died in nursing homes and hospitals that did not evacuate.

## CLOSER TO HOME

In September 2013, Colorado experienced record breaking rainfall and flooding that is incredibly rare for the region. Some called it the 1,000-year flood because the levels recorded were so rare that the likelihood of a rainfall event that powerful was one event in 1,000 years. The impacts of the flood encompassed areas across north and central Colorado to the plains in the south and east regions of the Rocky Mountains. Overall, 8 people were killed, 1,850 homes were demolished, and 968 businesses were destroyed. Among the areas in Colorado most affected, Boulder, Larimer, and Weld County experienced the most detrimental impacts from the event.<sup>17</sup>

A study was conducted in 2014 by the University of Colorado that delivered a preliminary look at the impacts of the 2013 floods on several communities in Boulder, Larimer, and Weld County, focusing primarily on communities in Lyons and Milliken. In Lyons, the working class was particularly affected as most of the affordable housing stock in the area was destroyed by the flood. Both mobile homes in the town were destroyed by the flood that were important sources of affordable housing.

Figure 9. An aerial photograph of a home destroyed in Jamestown by the flood.<sup>18</sup>



Figure 10. Local Lyons residents lost both their home and local business from the damage caused by the 2013 floods.<sup>19</sup>



<sup>17</sup> Rumbach, Makarewicz, Nemeth, & Thomas, 2013

<sup>18</sup> Leffingwell, Boulder Daily Camera, 2013

<sup>19</sup> Linsley, ABC News, 2013



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The town of Milliken also experienced a significant decrease in their affordable housing stock with the destruction of two large trailer parks among other important infrastructure as a result of the flood.<sup>20</sup>

After conducting in-depth interviews with 27 residents, interactions with leaders and public officials, and various site visits, the study provided significant findings towards gaps in current emergency preparedness and response systems. The study discusses how disasters affect everyone differently and usually inequitably, reinforcing the uneven process of recovery that many communities with limited resources experience. This was illustrated in the main findings of the study that concluded that the majority of the participants had low incomes compared to the larger area income, the majority of respondents lived in mobile homes, most households experienced disruption in employment and an increase in expenses, and that information sources did not adapt to reach all communities.<sup>21</sup>

As of February 2014, 145 households were still displaced in Lyons with residents still unsure if a permanent home will ever be available or if they will have to leave the community they have been a part of for many years. Overall, this study concluded that sustainable affordable housing is a vital component in long-term recovery of a community and that a more efficient, less redundant, and less bureaucratic recovery resource system is needed to improve the outcomes for communities during and after disaster events. Socioeconomic status and housing conditions resulted in inequitable recovery that has affected a significant portion of the low income residents in these areas. With no promising plan or action in the future, most of these residents still have no permanent place to call home and could be forced to relocate.<sup>22</sup>

Figure 11. Remnants of a mobile home in Lyons after the 2013 flood.<sup>23</sup>



The impacts of the 2013 flood on the low income population living in Lyons and Milliken illustrates the need to include all communities in the emergency cycle. Outcomes of this disaster also demonstrate that disabilities should not be viewed as only a physical problem and that all people have access and functional needs that are important in preparing for and recovering from a disaster. By applying the use of the Regional Opportunity Index in all phases of the disaster cycle, state and local agencies will be able to identify communities that have specific needs to intentionally plan for and determine where gaps in resources and services in Colorado exist. Understanding where these populations are located and the barriers in accessing resources will allow planners to strategically prepare for the diverse community needs that will result in better outcomes before, during, and after a disaster.

<sup>20, 21, 22</sup> Rumbach, Makarewicz, Nemeth, & Thomas, 2013

<sup>23</sup> Denver Post, 2015



# METHODOLOGY

The Regional Opportunity Index (ROI) is a statewide look into the access and functional needs across Colorado. Depending on the situation, different variables looked at in the ROI may be more or less accurate and applicable. If local information is available, it should be used when analyzing a smaller geographic area.

To construct the ROI, a similar approach was applied as the Vermont Social Vulnerability Index (VSVI). In addition, to the ROI a Disability Resource Index (DRI) was constructed to analyze disability services as function of access and functional needs. Analyzing if a census tract has access to services in their county and if they are covered by a disability service is essential in meeting the access and functional needs of communities in Colorado. The DRI should be viewed as a preliminary understanding of resource access as an important element in meeting the access and functional needs of communities. The database used in completing the disability resource analysis was collected in partnership with University of Colorado Assistive Technology Partners and is not inclusive of all possible resources available to communities.

In September 2015, The Vermont Social Vulnerability Index (VSVI) was constructed based on the SVI methodology developed in the Social Vulnerability for Disaster Management report. Similar to this SVI, the VSVI assigned flags to census tracts based on 16 census criteria where census tracts were assigned flags when they fell within the 90th percentile for a specific indicator.<sup>24</sup> The indicators were grouped into three demographic themes: socioeconomic, population, and housing and transportation. The Colorado ROI uses these three themes to identify areas of opportunity and also includes a Disability Resource Index (DRI) that analyzes access to disability services as a measure of addressing access and functional needs in Colorado.

All census tracts in the ROI were analyzed for the 13 demographic variables that are listed in Figure 13. These 13 variables were chosen from the list of indicators on the Colorado Community Inclusion webpage and validated by the variables chosen for the three themes in VSVI. For every indicator, census tracts in the 90th percentile (the top 10 percent) were assigned a flag. An index for each demographic theme was created with the final ROI showing a combination of the flag counts where the areas of greatest opportunity have the highest flag counts.

Following the ROI, the DRI map shows the flag count for each county in Colorado where the counties with the highest flag counts display areas that have the least disability resource access. This index assigned flags by county based on location and coverage of resources. The first criteria was if the county was covered by vision, hearing, cognitive, mobility, and aging resources. Next, the DRI assessed each county for each specific resource available under the five resource type categories. The county was flagged if 1) the resource was not located in the county and 2) if the county was not covered by a specific resource. Findings from the ROI and DRI show where opportunity areas exist in Colorado for addressing access and functional needs and areas where resource access is limited.

The table on the following pages list the data and variables used in developing the ROI and DRI. All US Census data were retrieved by downloading the data electronically, using the American Fact Finder tool. All data collected for the ROI were 2010-2014 American Community Survey 5-year estimates. The Data collected for the DRI were retrieved directly from the GIS Division at the Colorado Department of Public Health and Environment.

<sup>24</sup>Vermont Department of Health, 2015



# METHODOLOGY: ROI

The indicators selected to construct the ROI were chosen for two reasons. First, these indicators have been selected by CDPHE for the Colorado Community Inclusion webpage and interactive maps. Second, most of these indicators were used in VSVI and fall within one of the three demographic themes. Each community experiences the presence of these variables differently and may be more applicable in some areas than others. Tables are displayed in Appendix A that show the flag assignment for each indicator for each census tract with a ROI flag count greater than zero. Thirteen indicators were selected for the ROI and are listed in Figure 13.

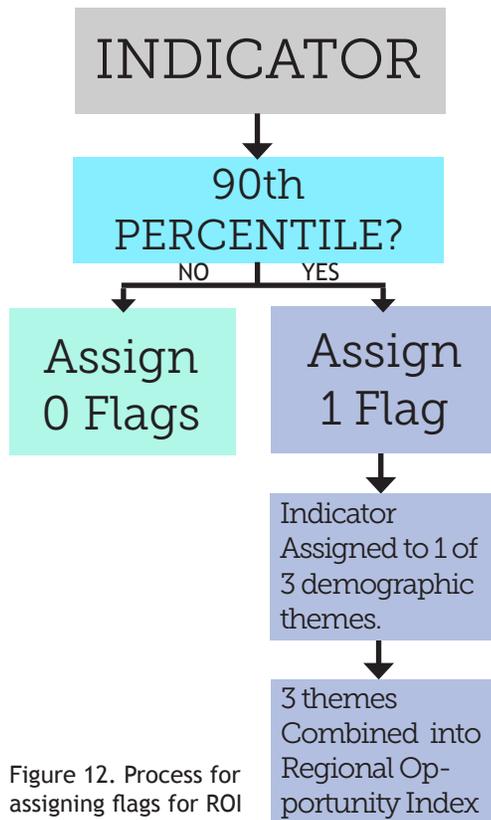


Figure 12. Process for assigning flags for ROI

## Demographic Indicator List:

### Socioeconomic

**Poverty:** Percent of all persons in the last 12 months is below the federal poverty level.

**Education:** Percent population age 25+ with less than a 9th grade education.

**Health Insurance:** Percent population that is uninsured.

### Population

**Single Parent:** Percent occupied family households headed by a single parent.

**Children:** Percent population age 17 and younger.

**Elderly:** Percent population age 65 and older.

**Race:** percent non-white population (all persons except white, non-Hispanic).

**Limited English:** Percent population age 5 and over that do not speak english "very well."

**Disability:** Percent population with a disability.

### Housing & Transit

**Mobile Homes:** Percent occupied housing units that are mobile homes.

**Institutionalized:** Percent of total institutionalized population living in group quarters.

**No Vehicles Available:** Percent occupied housing with no vehicles available.

**Moved in 2010 or later:** Percent occupied households where the householder moved in 2010 or later.

Figure 13. Description of ROI Indicators <sup>25</sup>

The dataset used to construct the DRI listed the disability resources available in Colorado by county. Each specific resource is listed in Figure 15 and was categorized into vision, mobility, hearing, cognitive, and aging resources. Some specific resources were listed in more than one resource category type if they supported more than one disability. Counties were assigned a flag if a vision, mobility, hearing, cognitive, or aging resource was not located in the county. Flags were also assigned for 21 specific resource types based on whether 1) the resource was not located in the county and 2) if the county was not covered by a specific resource. Data used to complete this analysis are not inclusive of all local resources available to communities, but provide a preliminary assessment of disability resources available by county and opportunity areas for improving access to services. Descriptions of the specific resources are listed in Appendix B.

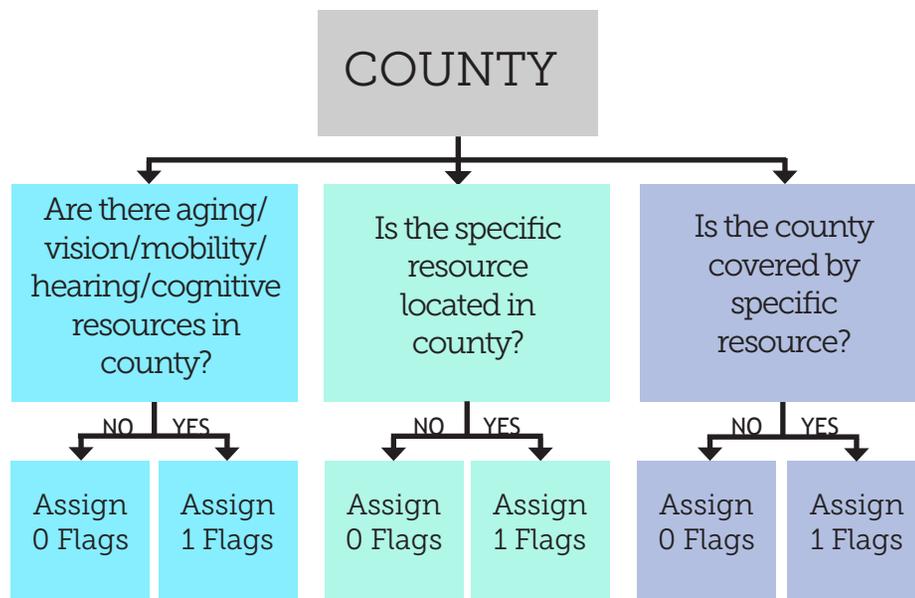


Figure 14. Process for assigning flags for DRI

## *Specific Resource List:*

- Area Agencies on Aging
- Amyotrophic Lateral Sclerosis
- Alzheimer’s Association
- Arc Offices
- Aging and Disability Resources
- Board of Cooperative Educational Services
- Brain Injury Resources
- Community Centered Board Offices
- Congregate Meal Sites
- Division of Vocational Rehabilitation Offices
- Equipment Loan Programs
- Independent Living Centers
- Meal Delivery Programs
- Multiple Sclerosis Support
- Older Individuals Who Are Blind (OIB) Programs
- Parkinson’s Disease Support Groups
- Post-Polio Support Groups
- Sign Language Interpreters and Communication Access Real-time Translation (CART) Services.
- Single Entry Points
- Stroke Support Groups
- Veterans Service Offices

Figure 15. List of specific disability resources used in DRI <sup>26</sup>



# FINDINGS

Using the methodology discussed in the previous section, an index was created for three demographic themes: socioeconomic, population, and housing and transit. These 3 indexes were combined to create the Regional Opportunity Index. Additionally, Disability Resource Index was created to gain a better understanding of resource availability by county in Colorado. These findings will help emergency managers and planners better plan for and address diverse population needs before, during, and after an event by providing a mapping tool that identifies areas that have high demographic diversity and limited access to disability resources, giving perspective on where intentional planning and partnerships should be focused.

To capture the different kinds of opportunity in Colorado, the results section of this report displays an index for the three different demographic themes in addition to the Regional Opportunity Index and Disability Resource Index. For each index, a map of the number of flags applied to each census tract/counties is displayed. Also included are charts detailing the number of census tracts/counties within each flag rank category.

The layout of the results section begins with the three index themes starting with the socioeconomic index, followed by the population and housing and transit indexes. Patterns found in these different categories build a better picture of the different types of opportunities that exist. By understanding this, communities can better prepare for and serve the populations that live there.

After analyzing the three themes separately, the ROI illustrates how these three indexes come together. Some census tracts in the region represent areas that should focus on one, two, or all

three of the demographic needs represented by the three different indexes. The census tracts with the highest flag counts should be seen as areas of opportunity for efficient, intentional planning that supports the access and functional needs the populations that live there.

The last part of the results section is the Disability Resource Index. This index is a preliminary analysis to understanding resource access as a function of meeting the access and functional needs of communities. Ultimately, the purpose of the DRI is to gain a greater understanding of resource availability and support in Colorado.

The ROI had the highest flag count in metropolitan areas. This indicates that there are greater concentrations of populations among census tracts in the metropolitan region of Colorado that have diverse access and functional needs. Contrastingly, the flag counts in the DRI were highest in non-metropolitan counties and lowest in metropolitan counties. Generally, rural areas have less access to resources and this result further confirms that communities in rural areas have less access to resources to support the populations that live there. Census tracts and counties displaying higher flag counts in either or both the ROI and DRI are areas of greatest opportunity for improving emergency systems by planning for the access and functional needs of everyone and promoting community inclusion in Colorado.



# SOCIOECONOMIC

To compute the flag calculations for the socioeconomic index, census tracts were assigned a flag when they fell within the 90th percentile of percent population below poverty, percent population above age 25 with an education level below 9th grade, and percent population without health insurance. For the socioeconomic index, census tracts obtained a value between 0 and 3 where 0 represents areas that do not fall within the 90th percentile of any indicators and 3 represents areas that fall within the 90th percentile for all 3 indicators.

942 census tracts received 0 flags, 243 received 1 flag, 52 received 2 flags and five census tracts were assigned 3 flags. These tracts include census tract 2, 6 72.02, 79, and 9777. Three of

the five census tracts are located in the Denver Metropolitan Region encompassing Adams, Arapahoe, and Weld County.

In Adams County, the 3-flagged tract is located in Thornton. Weld County has a 3-flagged tract located in Greeley. Additionally, there is a 3-flagged tract in the city of Colorado Springs, located in El Paso County. In Pueblo County, a 3-flagged census tract is in Pueblo West. In a more rural location, a 3-flagged tract is found in Saguache County in the town of Center. Other areas that display higher tract flag counts include the Alamosa County, Otero County, and other small tracts located in the Denver Metropolitan Region.

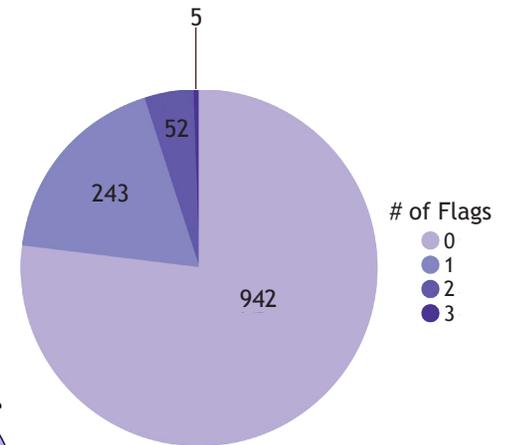
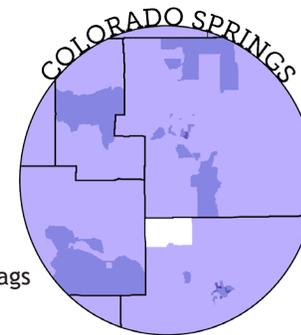
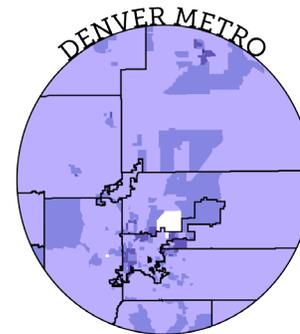
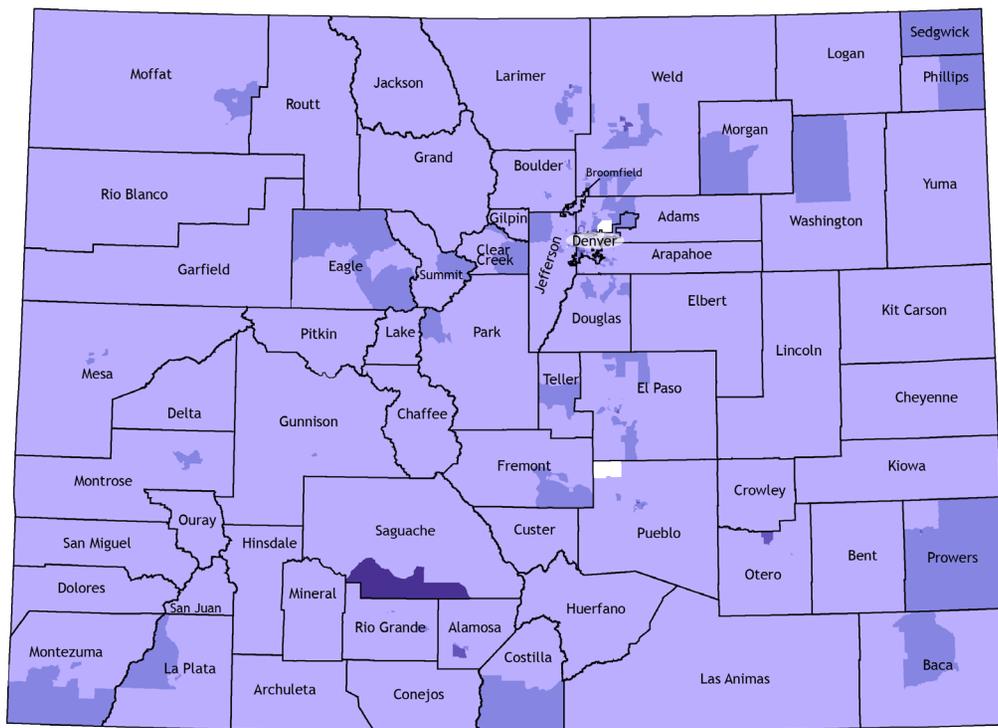


Figure 17. Number of Census Tracts in each flag count category.

Miles  
0 25 50

Figure 16. Map of Socioeconomic Index <sup>27</sup>

<sup>27</sup>U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates



# POPULATION

To compute the flag calculations for the population index, census tracts were assigned a flag when they fell within the 90th percentile of percent single parent households, percent population under age 18, percent population over age 64, percent minority (non-white) population, percent population who speaks english less than well, and percent population with a disability. Census tracts obtained a value between 0 and 4 where 0 represents areas that do not fall within the 90th percentile of any indicators and 4 represents areas that fall within the 90th percentile for 4 of 6 indicators. No tracts obtained all 6 flags.

805 census tracts received 0 flags, 276 received 1 flag, 93 received 2 flags, 45 tracts were assigned 3 flags, and 23 received

4 flags. All tracts were located in counties in the Denver Metropolitan Region. The counties with 4-flagged tracts include Adams, Arapahoe, Denver, and Weld County.

Among these 4 counties, 23 census tracts were assigned 4 flags. In Weld County, 4-flagged tracts were located in the city of Greeley. Both Aurora and Thornton had 4-flagged tracts in Adams County. Arapahoe County had 4-flagged tracts in Commerce City and Federal Heights. Denver also had 4-flagged tracts located throughout the county. Other areas that displayed higher flag counts include Costilla, El Paso, Larimer, Morgan, and Pueblo County.

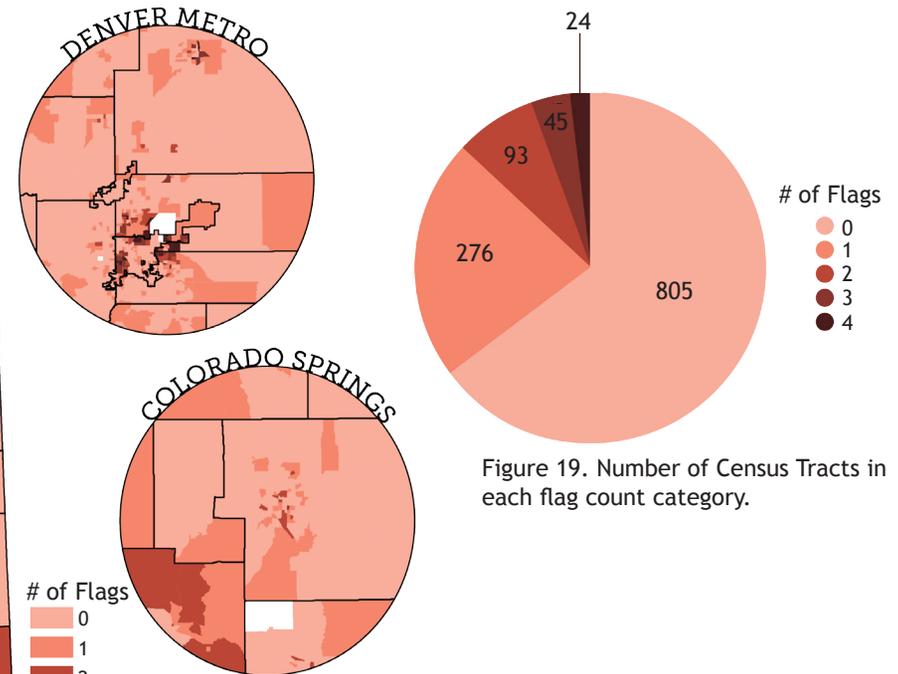
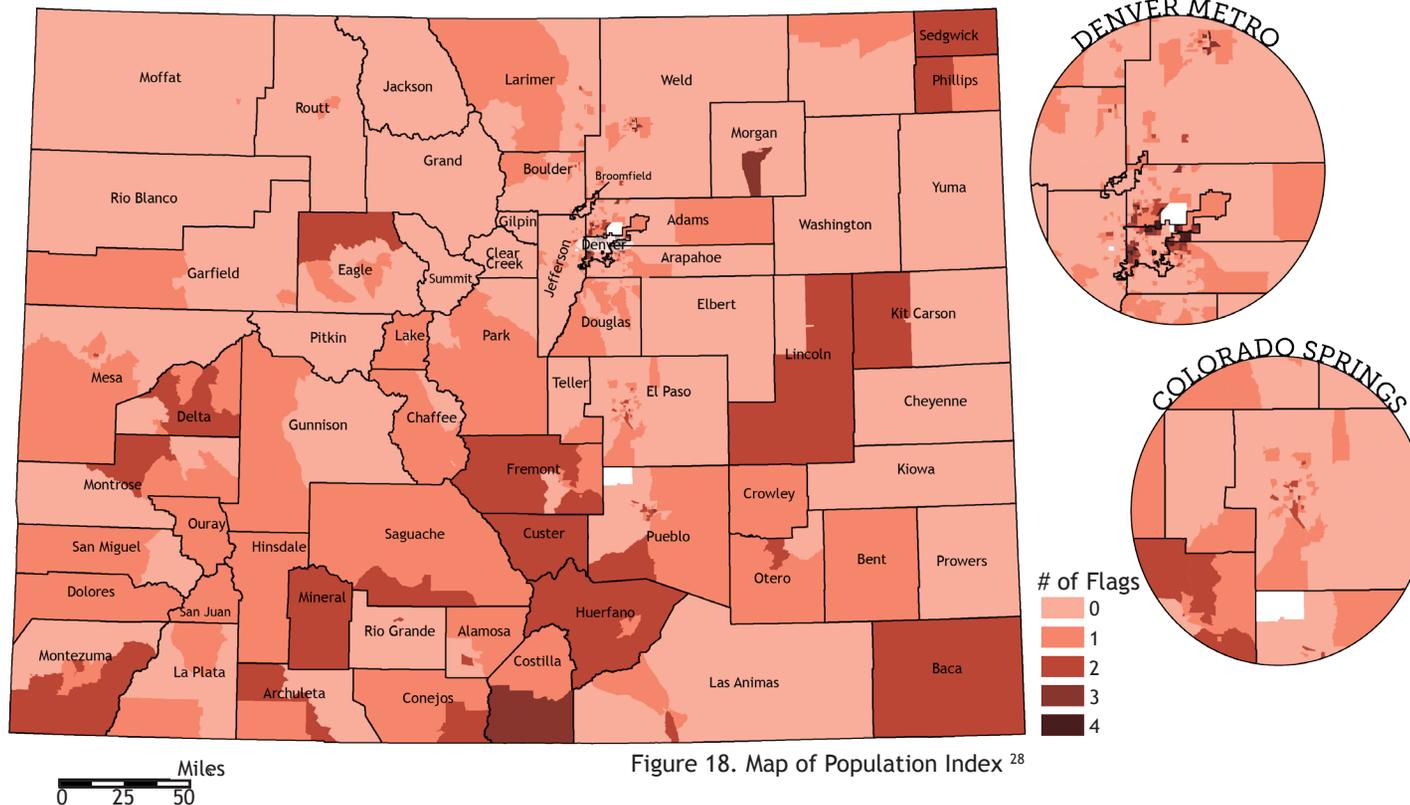


Figure 19. Number of Census Tracts in each flag count category.

<sup>28</sup>U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates



# HOUSING & TRANSIT

To compute the flag calculations for the housing and transit index, census tracts were assigned a flag when they fell within the 90th percentile of percent population moved in 2010 or later, percent occupied mobile homes, percent population with no vehicles available, and percent institutionalized population. Census tracts obtained a value between 0 and 3 where 0 represents areas that do not fall within the 90th percentile of any indicators and 3 represents areas that fall within the 90th percentile for 3 of 4 indicators. No tracts were assigned all 4 flags.

942 census tracts received 0 flags, 243 received 1 flag, 52 received 2 flags, and five tracts were assigned 3 flags. These tracts include census tract 6 (Larimer), 6 (Weld), 16, 31,02,

and 123. All five census tracts were located in the Denver Metropolitan Region in Boulder, Denver, El Paso, Larimer, and Weld County.

Each county contained one 3-flagged tract. In Boulder County, the tract was located in the City of Boulder, the tract in El Paso County was located in Colorado Springs, Fort Collins had a 3-flagged tract in Larimer County, and Weld County had a 3-flagged tract in the City of Greeley in. A 3-flagged tract was also located in the City and County of Denver. Other census tracts that displayed higher flag counts were located in Delta, Fremont, Moffat, Morgan, and Pueblo County.

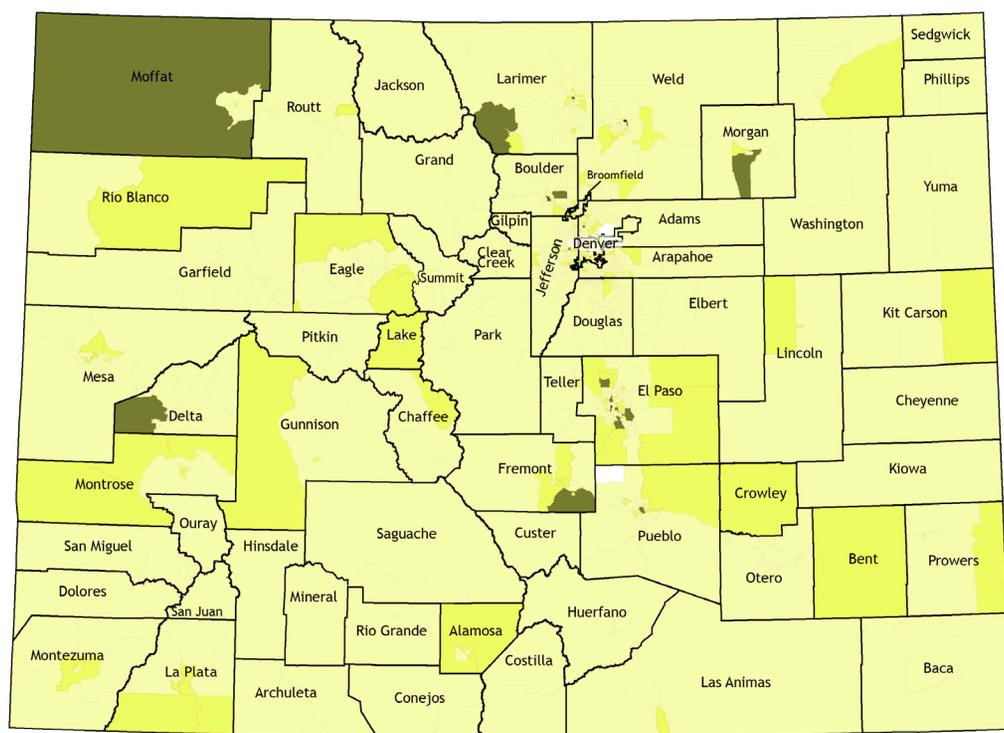


Figure 20. Map of Housing & Transit Index <sup>29</sup>

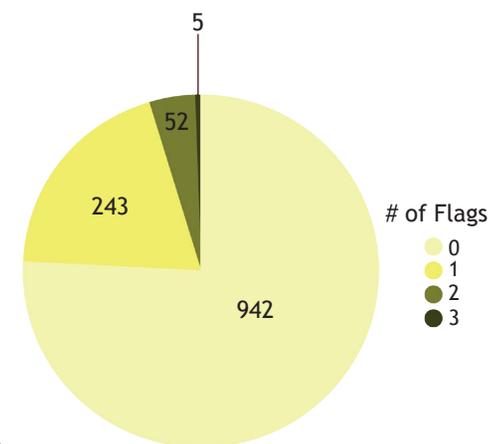
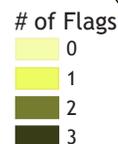
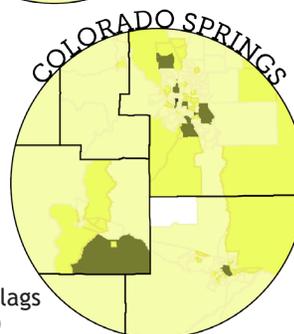
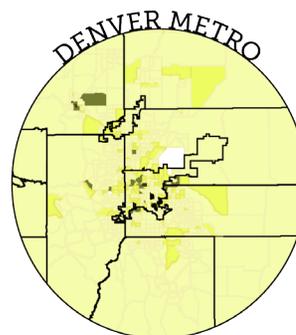


Figure 21. Number of Census Tracts in each flag count category.

<sup>29</sup>U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates



# REGIONAL OPPORTUNITY INDEX

The ROI combines the flag counts from all three demographic indexes to identify the access and functional needs of communities in Colorado. Census tracts obtained a value between 0 and 9 where 0 represents areas that do not fall within the 90th percentile of any indicators and 9 represents areas that fall within the 90th percentile for 9 of 13 indicators. No tracts obtained all 13 flags.

576 census tracts received 0 flags, 346 received 1 flag, 155 received 2 flags, 64 received 3 flags, 45 received 4 flags, 36 received 5 flags, 17 received 6 flags, 7 received 7 flags, 3 received 8 flags, and 2 received 9 flags. All census tracts listed that were assigned 7 to 9 flags were located within the Metropolitan

Region aside from one tract located in Pueblo County.

Of the census tracts that were assigned 7 to 9 flags, 6 out of 12 are located in Adams County with both 9-flagged tracts located in the City of Aurora (Adams and Arapahoe County). Adams County had a census tract located in commerce city that was assigned 8 flags. In addition, the City of Pueblo in Pueblo County, Greeley in Weld County, and the City and County of Denver all had census tracts that were assigned 7 flags. Other census tracts that had higher flag counts were located in Saguache, Fremont, Costilla, El Paso, Sedgwick, Larimer, Otero, Alamosa, and Morgan County. A table of census tracts and details of their flag assignment can be found in Appendix A.

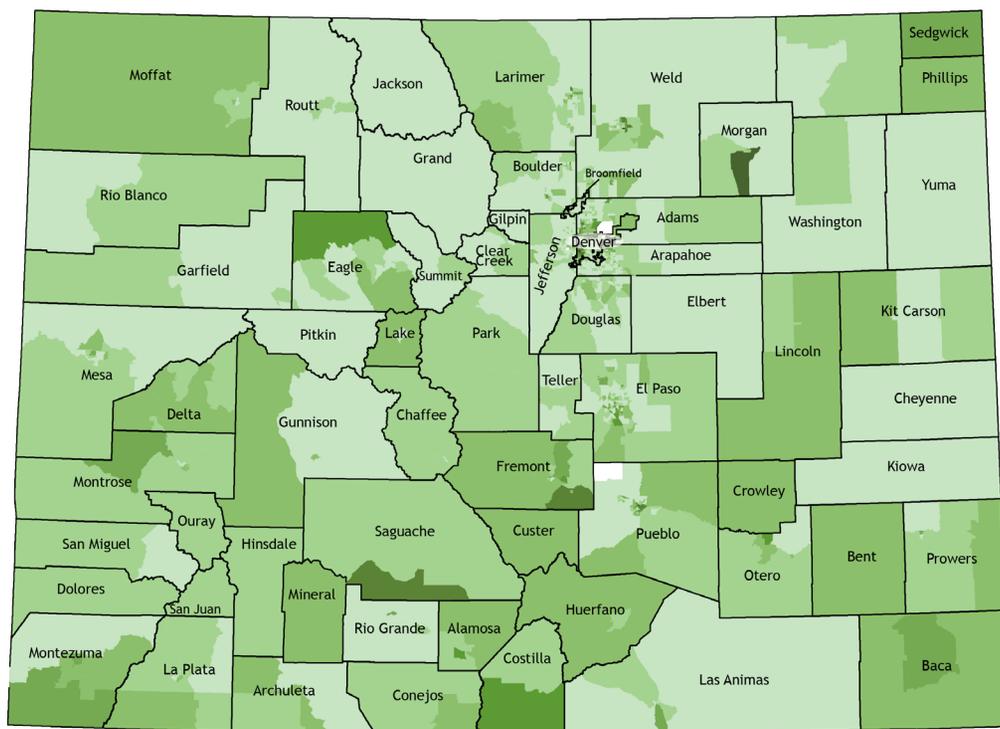
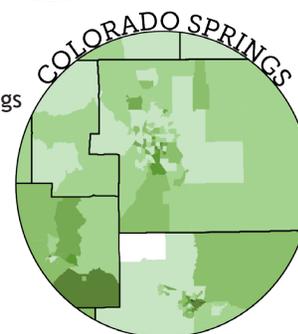
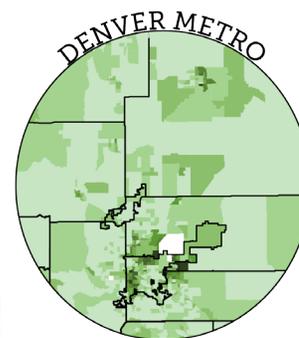


Figure 22. Map of Regional Opportunity Index <sup>30</sup>



# of Flags

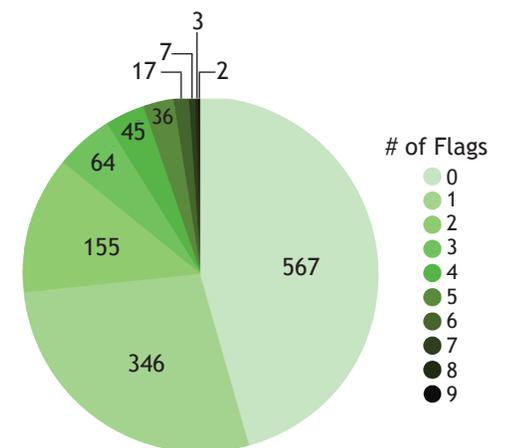


Figure 23. Number of Census Tracts in each flag count category.



<sup>30</sup>U.S. Census Bureau, 2010-2014 American Community Survey 5-Year Estimates



# DISABILITY RESOURCE INDEX

The DRI is a preliminary analysis of access to disability resources that serve the access and functional needs of a community. To compute the DRI, flags were assigned to counties based on whether the county had aging, cognitive, hearing, mobility, and vision resources located in the county. Flags were also assigned based on whether (1) a specific resource was not located in the county and (2) whether the county was not covered by a specific resource. Counties were analyzed for each specific resource listed in both the report methodology and in Appendix B.

3 counties received 0 flags, 6 received 1 flag, 2 received 2 flags, 2 received 3 flags, 1 received 4 flags, 1 received 5 flags,

3 received 6 flags, 2 received 7 flags, 9 received 8 flags, 7 received 9 flags, 14 received 10 flags, 11 received 11 flags, and 3 received 12 flags. All counties that were assigned 11-12 flags were located in non-metropolitan regions.

The majority of counties that received 11-12 flags were located in eastern Colorado with a cluster of counties in southwest Colorado. One county is located in north-central Colorado and 2 are located in south-central Colorado. Flag count was smallest along the metropolitan corridor in central Colorado.

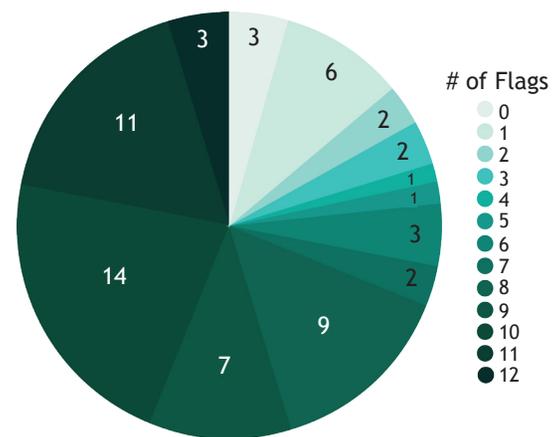
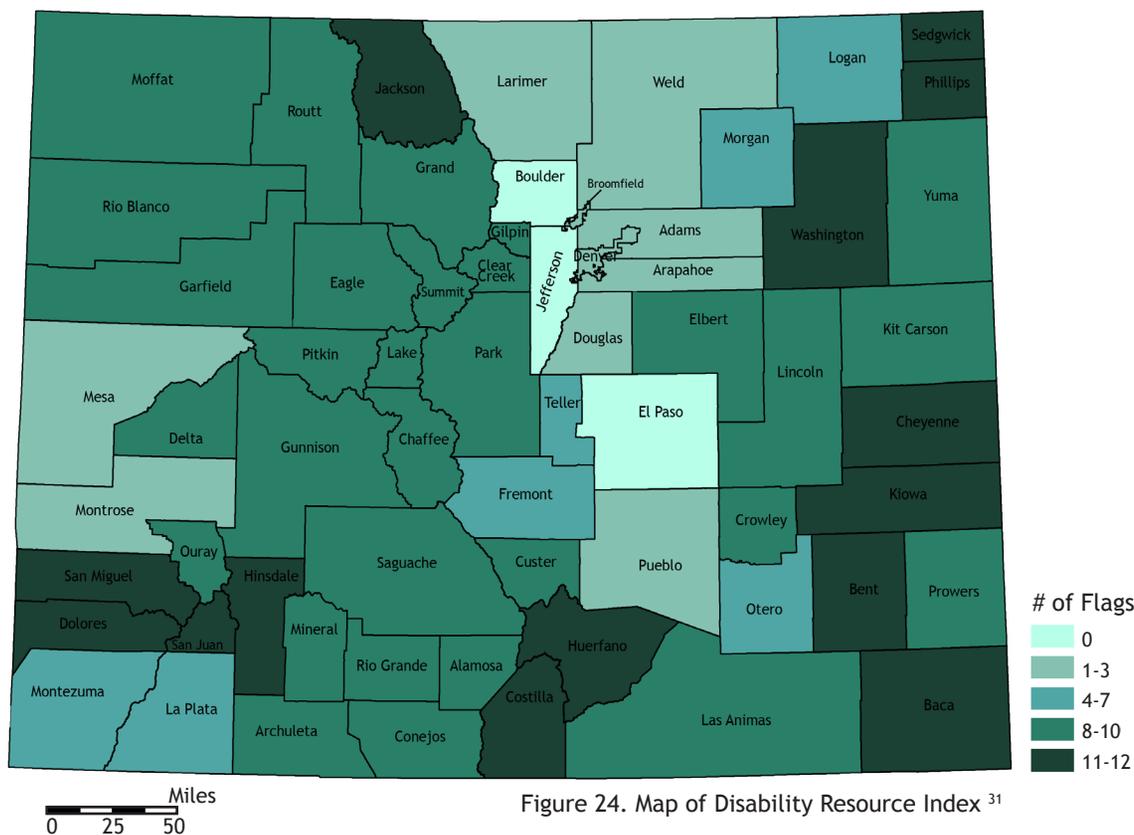


Figure 25. Number of counties in each flag count category.



# RECOMMENDATIONS

Findings from ROI and DRI show a contrast in the needs of metropolitan and non-metropolitan areas. Generally, more communities were found to exhibit demographic diversity in metropolitan areas and non-metropolitan counties had limited access to disability resources. Although there were census tracts in the ROI in non-metropolitan areas that received flags and counties in the metropolitan region that displayed opportunity areas, the contrast in the two index results provide reasoning for constructing a region based analysis that accounts for an area being located in a metropolitan versus non-metropolitan region. Additionally, this preliminary opportunity analysis did not explore the demand for services in comparison to the services available. To fully understand opportunity at a smaller scale, further analysis should be completed regarding the supply and demand of services and the region of study.

This analysis is a preliminary look into opportunity areas where improvements can be made in reducing access and functional needs gaps to create more efficient emergency preparedness and response systems. A significant limitation of this study was the availability of resource location data. The dataset used in developing the DRI was created in 2015 and does not include all types of resources that could be fulfilling the needs of communities and should therefore be viewed as a general list of disability resources available in Colorado. When conducting future analyses at a smaller scale, this data should be used in combination with other local information regarding resource access.

Ultimately, the ROI, DRI and three demographic indexes are resources for planners, policy makers, and other stakeholders in making decisions for their communities. With detailed information about communities in Colorado readily available, intentional planning, policy, and resource implementation can be made that will result in more efficient emergency planning and

response processes. Most importantly, this tool should be used in conjunction with other mapping resources available on the Colorado Community Inclusion (COCI) webpage.

The COCI webpage page offers interactive maps of the basic indicators used to complete the ROI and a series of change maps that show how the demographic indicators used in the ROI have changed for each census tract in the past five years. Maps of resource locations are also included on this page that allows the user to identify potential services that could serve a community or identify if a community has access to a resource or not. By using these resources available in combination with the ROI, DRI, and three demographic indexes, a better understanding of community needs in the present and future can be understood. This allows planners and other officials to make better decisions that will improve emergency preparedness and response systems.



# CONCLUSION

Colorado is a diverse state with many communities representing different demographic profiles. This report found that communities in metropolitan and non-metropolitan regions have different needs and that the future analysis of these regions should consider these geographic differences. In general, most of the opportunity areas identified by this report were in metropolitan areas for the ROI and in non-metropolitan areas for the DRI. Detailed tables of the flag assignments are located in Appendix A and C.

History shows that disaster recovery and emergency preparedness have significant social implications that often result in an inequitable response and recovery process. To ensure a more equitable approach to emergency preparedness and response, the access and functional needs of a community should be met by applying the principles of the C-MIST framework to emergency management. A vital component of implementing this framework is to understand that disabilities are not only physical. There are many people in different communities who are unable to function and recover during and after an event, but are completely capable of supporting themselves in their normal everyday routine. The ROI provides an understanding where these populations are, what limitations exist, and resource availability for these populations. By using this tool, opportunity areas can be identified that will improve emergency preparedness and response strategies that promote community inclusion and equitable emergency systems.

Future action towards implementing inclusive emergency management should focus on addressing the needs of ALL people in Colorado. The information provided by the ROI and DRI helps planners and other local officials determine risk levels of communities relative to their access and functional needs. Furthermore, the interactive mapping tools published by CDPHE on the Colorado Community Inclusion webpage should be introduced

to other agencies and organizations in Colorado. These introductions should also include a training that explains how to use the tools and possible situations where the use of these tools would be helpful. The widespread knowledge of the availability of these tools will inform local agencies and organizations of the diversity that exists in their community now, how their community is changing, and access and functional needs in their community compared to others in the region. Ultimately, by understanding our diverse populations and including ALL people in every phase of emergency management, communities will experience more efficient and equitable support systems before, during, and after an event.



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# APPENDIX A: ROI DETAILED INDEX TABLE

Tract Name	Under Age 18	Above Age 64	Race (non-white)	Limited English	Occupied Mobile Homes	No Vehicle	Below Poverty	Education Below 9th Grade	Uninsured	Single Parent Household	Group Home	Moved in 2010 or Later	Disability	Socioeconomic Index	Population Index	Housing & Transit Index	ROI
Census Tract 79	1	0	1	1	0	1	1	1	1	1	0	1	0	3	4	2	9
Census Tract 72.02	1	0	1	1	0	1	1	1	1	1	0	1	0	3	4	2	9
Census Tract 78.01	1	0	1	1	0	1	1	1	0	1	0	1	0	2	4	2	8
Census Tract 78.02	1	0	1	1	0	1	1	1	0	1	0	1	0	2	4	2	8
Census Tract 83.08	1	0	1	1	1	1	1	1	1	0	0	0	0	2	4	2	8
Census Tract 6	0	0	1	0	1	1	1	1	1	1	0	1	0	3	2	2	7
Census Tract 10.03	1	0	1	1	1	0	1	1	0	1	0	0	0	2	4	1	7
Census Tract 7.02	0	0	1	1	0	1	1	1	0	1	0	1	0	2	3	2	7
Census Tract 45.06	1	0	1	1	0	1	1	1	0	1	0	0	0	2	4	1	7
Census Tract 45.05	1	0	1	1	0	1	1	1	0	1	0	0	0	2	4	1	7
Census Tract 87.09	1	0	1	1	0	1	1	1	0	1	0	0	0	2	4	1	7
Census Tract 83.09	1	0	1	1	1	0	1	1	0	1	0	0	0	2	4	1	7
Census Tract 11	0	0	1	0	0	1	1	1	1	0	0	0	1	2	3	1	6
Census Tract 6	1	0	0	1	1	0	0	1	0	1	0	1	0	1	3	2	6
Census Tract 93.19	1	0	1	1	1	0	0	1	0	1	0	1	0	1	4	1	6
Census Tract 5.02	0	0	1	1	0	1	1	1	1	0	0	0	0	2	3	1	6
Census Tract 8	1	0	1	0	0	1	1	1	0	1	0	0	0	2	3	1	6
Census Tract 10	1	0	1	1	0	1	0	1	0	1	0	0	0	1	4	1	6
Census Tract 35	1	0	1	1	0	0	1	1	0	1	0	0	0	2	4	0	6
Census Tract 73.01	0	0	1	1	0	1	0	1	0	1	0	1	0	1	3	2	6
Census Tract 45.04	1	0	1	1	0	0	0	1	1	1	0	0	0	2	4	0	6
Census Tract 83.12	1	0	1	1	0	0	1	1	0	1	0	0	0	2	4	0	6
Census Tract 19.01	0	0	1	0	0	1	1	1	0	1	0	0	1	2	3	1	6
Census Tract 36.01	0	0	1	1	0	1	1	1	0	1	0	0	0	2	3	1	6
Census Tract 14.01	0	0	1	1	0	1	1	1	0	1	0	0	0	2	3	1	6
Census Tract 73.02	0	0	1	1	0	1	1	1	0	0	0	1	0	2	2	2	6
Census Tract 70.37	0	0	1	1	0	1	1	1	0	0	0	1	0	2	2	2	6
Census Tract 83.05	1	0	1	1	0	0	1	1	0	1	0	0	0	2	4	0	6
Census Tract 83.06	1	0	1	1	0	0	1	1	0	1	0	0	0	2	4	0	6
Census Tract 61	1	0	1	1	0	1	1	0	0	1	0	0	0	1	3	1	5
Census Tract 9794	0	1	0	0	1	0	0	0	1	0	1	0	1	2	2	2	5
Census Tract 8	0	0	1	0	0	1	1	1	0	1	0	0	0	2	2	1	5
Census Tract 12	0	0	1	0	0	1	1	1	0	1	0	0	0	2	2	1	5
Census Tract 20	0	0	1	0	0	0	1	0	1	1	0	1	0	2	2	1	5
Census Tract 52.01	0	0	0	1	0	1	1	0	0	0	0	1	1	1	2	2	5
Census Tract 55.52	0	1	0	0	1	1	1	1	1	0	0	0	0	2	1	2	5
Census Tract 9777	0	0	1	1	0	0	1	0	1	0	0	0	0	3	2	0	5
Census Tract 46.02	0	0	1	1	0	1	0	1	0	1	0	0	0	1	3	1	5
Census Tract 6	0	0	1	0	0	1	0	0	1	0	1	1	0	1	1	3	5
Census Tract 7.01	1	0	1	1	0	0	0	1	0	1	0	0	0	1	4	0	5
Census Tract 77.02	0	0	1	1	0	1	0	1	1	0	0	0	0	2	2	1	5
Census Tract 36.02	0	0	1	1	0	1	0	1	0	1	0	0	0	1	3	1	5
Census Tract 13.04	0	0	0	1	1	0	1	1	0	0	0	0	1	2	2	1	5
Census Tract 96.06	0	0	1	1	0	0	1	0	0	1	0	0	0	2	3	0	5
Census Tract 88.01	1	0	1	1	0	0	0	1	0	1	0	0	0	1	4	0	5
Census Tract 93.08	0	0	1	1	0	0	0	1	1	0	0	0	0	2	3	0	5
Census Tract 93.18	1	0	1	1	0	0	0	1	0	1	0	0	0	1	4	0	5
Census Tract 41.01	1	0	1	0	0	1	1	0	0	1	0	0	0	1	3	1	5
Census Tract 9.03	0	0	1	1	0	0	1	1	0	1	0	0	0	2	3	0	5
Census Tract 11.01	0	0	1	1	0	1	0	1	0	1	0	0	0	1	3	1	5
Census Tract 7.03	1	0	1	1	0	0	1	1	0	0	0	0	0	2	3	0	5
Census Tract 74	1	0	1	1	0	0	0	1	0	1	0	0	0	1	4	0	5
Census Tract 72.01	0	0	1	1	0	0	0	1	0	1	0	1	0	1	3	1	5
Census Tract 15	0	0	1	1	0	0	1	1	0	0	1	0	0	2	2	1	5
Census Tract 818	1	0	1	1	0	0	1	1	0	0	0	0	0	2	3	0	5
Census Tract 31.02	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	3	5
Census Tract 35	0	1	1	0	0	1	1	0	0	1	0	0	0	1	2	2	5
Census Tract 45.03	1	0	1	1	0	0	1	0	0	0	0	0	0	2	3	0	5
Census Tract 10.04	1	0	1	1	0	0	1	1	0	0	0	0	0	2	3	0	5
Census Tract 9.04	0	0	1	1	0	1	1	1	0	0	0	0	0	2	2	1	5
Census Tract 14.02	0	0	1	1	0	1	1	1	0	0	0	0	0	2	2	1	5
Census Tract 5.01	0	0	1	1	0	0	1	1	0	0	0	0	0	2	3	0	5
Census Tract 93.20	0	0	0	1	1	0	1	1	0	1	0	1	0	1	2	2	5
Census Tract 83.04	1	0	1	1	0	0	0	1	0	1	0	0	0	1	4	0	5
Census Tract 95.01	1	0	1	1	0	0	1	1	0	0	0	0	0	2	3	0	5
Census Tract 65.01	1	0	0	0	1	0	0	0	0	1	0	1	0	0	2	2	4
Census Tract 7	0	1	0	0	0	1	1	1	0	1	0	0	0	1	2	1	4
Census Tract 123	0	0	0	0	0	1	1	0	0	1	1	1	0	1	0	3	4



# APPENDIX A: CONTINUED

Tract Name	Under Age 18	Above Age 64	Race (non-white)	Limited English	Occupied Mobile Homes	No Vehicle	Below Poverty	Education Below 9th Grade	Uninsured	Single Parent Household	Group Home	Moved in 2010 or Later	Disability	Socioeconomic Index	Population Index	Housing & Transit Index	ROI
Census Tract 44.04	0	0	1	1	0	1	1	0	0	0	0	0	0	1	2	1	4
Census Tract 21	0	0	1	0	0	1	0	1	0	1	0	0	0	1	2	1	4
Census Tract 808	1	0	1	1	0	0	0	0	0	1	0	0	0	0	4	0	4
Census Tract 75	0	0	1	1	0	0	0	1	0	1	0	0	0	1	3	0	4
Census Tract 55.51	0	0	1	0	0	0	1	1	0	1	0	0	0	2	2	0	4
Census Tract 77.03	0	0	1	1	0	0	1	1	0	0	0	0	0	2	2	0	4
Census Tract 45.01	0	0	0	0	1	0	0	0	0	1	1	0	1	0	2	2	4
Census Tract 47	0	0	1	1	0	0	0	1	0	1	0	0	0	1	3	0	4
Census Tract 46.01	0	0	1	1	0	0	0	0	1	1	0	0	0	1	3	0	4
Census Tract 9803	0	0	1	1	0	0	0	0	1	0	1	0	0	1	2	1	4
Census Tract 9801	0	0	1	1	0	0	0	0	1	0	1	0	0	1	2	1	4
Census Tract 6	0	0	0	0	0	1	1	0	0	0	1	1	0	1	0	3	4
Census Tract 1	1	0	0	1	1	0	0	1	0	0	0	0	0	1	2	1	4
Census Tract 86.03	0	0	1	1	0	0	0	0	1	0	0	0	0	1	3	0	4
Census Tract 86.06	0	0	1	1	0	0	0	1	0	1	0	0	0	1	3	0	4
Census Tract 88.02	0	0	1	1	1	0	0	0	1	0	0	0	0	1	2	1	4
Census Tract 91.03	1	0	0	1	1	0	0	1	0	0	0	0	0	1	2	1	4
Census Tract 87.06	0	0	1	1	0	0	0	1	0	1	0	0	0	1	3	0	4
Census Tract 2	0	0	0	0	0	0	1	1	1	0	1	0	0	3	0	1	4
Census Tract 9.02	0	0	1	1	0	0	0	1	0	1	0	0	0	1	3	0	4
Census Tract 9.05	0	0	1	1	0	0	1	1	0	0	0	0	0	2	2	0	4
Census Tract 2	0	0	1	0	0	0	1	0	1	1	0	0	0	2	2	0	4
Census Tract 10	1	0	1	0	0	0	1	0	0	1	0	0	0	1	3	0	4
Census Tract 9681	0	0	1	0	0	0	1	1	0	0	0	0	1	2	2	0	4
Census Tract 135.05	1	0	0	0	0	0	1	1	0	1	0	0	0	2	2	0	4
Census Tract 76	0	0	1	1	0	1	0	1	0	0	0	0	0	1	2	1	4
Census Tract 9603	0	0	1	0	0	0	1	1	0	1	0	0	0	2	2	0	4
Census Tract 49.51	0	0	0	1	0	1	1	0	0	0	0	1	0	1	1	2	4
Census Tract 54	0	0	1	0	0	0	1	1	0	0	0	0	1	2	2	0	4
Census Tract 44.02	0	0	0	0	0	0	1	0	0	1	1	1	0	1	1	2	4
Census Tract 810	0	0	1	1	0	0	1	0	0	1	0	0	0	1	3	0	4
Census Tract 114.01	0	0	1	0	0	1	0	1	0	1	0	0	0	1	2	1	4
Census Tract 83.87	1	0	1	1	0	0	0	0	1	0	0	0	0	1	3	0	4
Census Tract 83.91	1	0	1	0	0	0	0	1	1	0	0	0	0	2	2	0	4
Census Tract 83.86	1	0	1	1	0	0	0	1	0	0	0	0	0	1	3	0	4
Census Tract 83.89	1	0	1	1	0	0	0	0	1	0	0	0	0	1	3	0	4
Census Tract 156	0	0	1	1	0	0	1	1	0	0	0	0	0	2	2	0	4
Census Tract 97.51	0	0	0	1	1	0	0	1	0	1	0	0	0	1	2	1	4
Census Tract 6	0	0	0	1	0	1	0	1	0	0	0	1	0	1	1	2	4
Census Tract 13.01	0	0	1	1	0	0	0	1	0	1	0	0	0	1	3	0	4
Census Tract 9727	0	1	1	0	0	0	0	1	0	0	0	0	1	1	3	0	4
Census Tract 69.01	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	2	4
Census Tract 23	0	0	0	0	0	1	1	0	0	0	1	0	0	1	0	2	3
Census Tract 62	1	0	0	0	1	0	1	0	0	0	0	0	0	1	1	1	3
Census Tract 9768	0	0	0	0	0	0	1	0	0	1	0	0	1	1	2	0	3
Census Tract 16	0	1	0	0	0	0	0	0	1	0	0	1	0	1	1	1	3
Census Tract 122.02	0	0	0	0	0	1	1	0	0	0	0	1	0	1	0	2	3
Census Tract 122.04	0	0	0	0	0	1	1	0	0	0	0	1	0	1	0	2	3
Census Tract 3	0	0	0	0	0	0	1	1	0	0	1	0	0	2	0	1	3
Census Tract 9.03	0	0	0	0	0	0	1	0	0	1	1	0	0	1	1	1	3
Census Tract 22	0	0	0	0	0	1	0	0	0	1	0	0	1	0	2	1	3
Census Tract 41.02	0	0	1	0	0	0	0	0	0	1	1	0	0	0	2	1	3
Census Tract 826	0	0	1	0	0	0	0	0	1	1	0	0	0	1	2	0	3
Census Tract 29	0	0	1	0	0	1	1	0	0	0	0	0	0	1	1	1	3
Census Tract 813	0	0	1	1	0	0	0	0	0	1	0	0	0	0	3	0	3
Census Tract 16	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	3	3
Census Tract 124.01	0	0	0	0	0	0	1	0	0	0	1	1	0	1	0	2	3
Census Tract 21.01	0	0	0	0	0	1	0	0	0	0	0	1	1	0	1	2	3
Census Tract 155	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	2	3
Census Tract 46.03	1	0	1	0	0	0	0	0	0	1	0	0	0	0	3	0	3
Census Tract 5	0	0	0	0	0	1	1	0	0	0	1	0	0	1	0	2	3
Census Tract 8	0	0	0	0	0	1	1	1	0	0	0	0	0	2	0	1	3
Census Tract 6.01	0	1	0	0	0	1	0	0	1	0	0	0	0	1	1	1	3
Census Tract 13	0	0	0	0	0	0	0	1	1	1	0	0	0	2	1	0	3
Census Tract 1	0	0	0	0	0	1	0	0	0	1	0	0	0	1	0	2	3
Census Tract 2	0	0	0	0	1	0	1	1	0	0	0	0	0	2	0	1	3
Census Tract 4	0	1	0	0	0	1	0	0	0	0	0	0	1	0	2	1	3
Census Tract 9411	0	0	1	0	0	0	1	0	0	1	0	0	0	1	2	0	3



# APPENDIX A: CONTINUED

Tract Name	Under Age 18	Above Age 64	Race (non-white)	Limited English	Occupied Mobile Homes	No Vehicle	Below Poverty	Education Below 9th Grade	Uninsured	Single Parent Household	Group Home	Moved in 2010 or Later	Disability	Socioeconomic Index	Population Index	Housing & Transit Index	ROI
Census Tract 25	0	0	1	0	0	0	0	0	0	1	0	0	1	0	3	0	3
Census Tract 26	0	1	0	0	0	1	1	0	0	0	0	0	0	1	1	1	3
Census Tract 9783	0	1	0	0	1	0	0	0	0	0	0	0	1	0	2	1	3
Census Tract 9784	0	0	0	0	0	0	0	1	0	1	0	0	1	1	1	1	3
Census Tract 9683	0	1	0	0	0	0	0	0	1	0	0	0	1	1	2	0	3
Census Tract 13.06	0	0	0	0	1	0	1	0	0	1	0	0	0	1	1	1	3
Census Tract 10.01	0	1	0	0	0	1	0	0	0	0	0	0	1	0	2	1	3
Census Tract 19.05	1	0	0	1	0	0	0	1	0	0	0	0	0	1	2	0	3
Census Tract 86.04	0	0	0	1	0	0	0	1	0	0	1	0	0	1	1	1	3
Census Tract 93.21	0	0	0	1	1	0	0	1	0	0	0	0	0	1	1	1	3
Census Tract 90.01	1	0	1	0	0	0	0	0	0	1	0	0	0	0	3	0	3
Census Tract 93.10	0	0	1	1	0	0	0	1	0	0	0	0	0	1	2	0	3
Census Tract 93.16	0	0	0	0	1	0	0	0	0	1	0	0	1	0	2	1	3
Census Tract 70.06	0	0	0	1	0	1	0	0	0	0	0	1	0	0	1	2	3
Census Tract 9693	0	1	0	0	1	0	0	0	0	0	0	0	1	0	2	1	3
Census Tract 126.07	0	0	0	0	0	1	1	0	0	0	0	1	0	1	0	2	3
Census Tract 38.01	1	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	3
Census Tract 100	0	0	0	0	0	0	1	0	0	0	1	1	0	1	0	2	3
Census Tract 104.06	0	0	0	1	1	0	0	1	0	0	0	0	0	1	1	1	3
Census Tract 9647	0	1	0	0	0	0	0	0	1	0	0	0	1	1	2	0	3
Census Tract 24	0	1	0	0	0	1	0	0	0	0	0	0	1	0	2	1	3
Census Tract 69.01	1	0	0	0	0	0	0	0	0	0	0	1	1	0	2	1	3
Census Tract 63.02	0	0	1	0	0	0	1	0	0	0	1	1	0	1	1	1	3
Census Tract 153	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	3
Census Tract 819	0	0	1	1	0	0	0	0	0	1	0	0	0	0	3	0	3
Census Tract 9662.01	0	1	0	0	1	0	0	0	0	0	0	0	1	0	2	1	3
Census Tract 820	0	0	1	0	0	0	0	0	0	1	0	1	0	0	2	1	3
Census Tract 870	0	0	0	1	0	0	0	0	1	0	0	1	0	1	1	1	3
Census Tract 29.12	1	0	0	0	0	0	0	0	0	1	0	1	0	0	2	1	3
Census Tract 157	0	0	1	0	0	1	0	0	1	0	0	1	0	0	1	1	3
Census Tract 83.90	1	0	1	0	0	0	0	0	0	1	0	0	0	0	3	0	3
Census Tract 97.52	0	0	1	0	0	0	0	1	0	0	0	0	0	1	2	0	3
Census Tract 13.02	0	0	1	1	0	0	0	1	0	0	0	0	0	1	2	0	3
Census Tract 53	0	1	0	0	0	1	0	0	0	0	0	0	1	0	2	1	3
Census Tract 70.89	0	1	0	0	0	1	0	0	0	0	0	0	1	0	2	1	3
Census Tract 95.02	0	0	1	1	0	0	0	0	0	1	0	0	0	0	3	0	3
Census Tract 81	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	2	3
Census Tract 53	0	0	0	0	0	0	1	0	0	1	0	0	1	1	2	0	3
Census Tract 64	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	2
Census Tract 40.08	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	2	2
Census Tract 4.02	0	0	1	0	0	0	0	1	0	0	0	0	0	1	1	0	2
Census Tract 71.07	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	2
Census Tract 1.01	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 4	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 311	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	2
Census Tract 135.03	0	0	0	1	0	0	0	1	0	0	0	0	0	1	1	0	2
Census Tract 9618	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 125.07	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	2
Census Tract 9.04	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	2
Census Tract 19	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	2
Census Tract 96.04	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	2
Census Tract 40.09	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	2
Census Tract 95.53	0	0	0	1	0	0	0	1	0	0	0	0	0	1	1	0	2
Census Tract 9736	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 19	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	2
Census Tract 17.06	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	1	2
Census Tract 65.02	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	1	2
Census Tract 6.02	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	2
Census Tract 12.02	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 14.04	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	1	2
Census Tract 19.02	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	1	2
Census Tract 4	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	2
Census Tract 9664	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	2
Census Tract 5.03	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	2
Census Tract 28.02	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	2
Census Tract 32.02	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	2
Census Tract 9701	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 77.04	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0	2



# APPENDIX A: CONTINUED

Tract Name	Under Age 18	Above Age 64	Race (non-white)	Limited English	Occupied Mobile Homes	No Vehicle	Below Poverty	Education Below 9th Grade	Uninsured	Single Parent Household	Group Home	Moved in 2010 or Later	Disability	Socioeconomic Index	Population Index	Housing & Transit Index	ROI
Census Tract 27	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	2
Census Tract 23	0	0	1	0	0	0	0	0	0	1	0	0	0	0	2	0	2
Census Tract 133.07	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 134.01	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	2
Census Tract 9647	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 9649	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 9650	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 9648	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	2	2
Census Tract 127.07	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	2	2
Census Tract 126.05	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	1	2
Census Tract 9786	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	2
Census Tract 9792	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	2
Census Tract 9790	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 9791	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1	1	2
Census Tract 19.02	0	1	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 11.10	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	1	2
Census Tract 11.11	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	2
Census Tract 141.33	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 11.12	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	1	2
Census Tract 1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	2
Census Tract 16	0	1	0	0	0	0	0	0	0	0	0	1	0	0	1	1	2
Census Tract 17.05	1	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	2
Census Tract 22.07	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 9708	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	1	2
Census Tract 9404	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	1	2
Census Tract 6	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	2
Census Tract 19.06	0	0	0	0	1	0	0	1	0	0	0	0	0	1	0	1	2
Census Tract 89.01	0	0	1	0	0	0	0	1	0	0	0	0	0	1	1	0	2
Census Tract 93.09	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	2
Census Tract 87.05	0	0	0	1	0	0	0	1	0	0	0	0	0	1	1	0	2
Census Tract 90.02	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0	2
Census Tract 93.07	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	2
Census Tract 29.16	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	1	2
Census Tract 36	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	2
Census Tract 140.05	1	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	2
Census Tract 9748	0	0	1	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 6	0	0	0	0	0	0	0	1	0	0	0	1	0	1	0	1	2
Census Tract 9676	0	0	0	1	0	0	0	1	0	0	0	0	0	1	1	0	2
Census Tract 9677	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 16	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	2
Census Tract 30.03	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	2
Census Tract 27.03	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Census Tract 28.04	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 29.01	0	0	1	0	0	0	0	0	0	1	0	0	0	0	2	0	2
Census Tract 9686	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	2
Census Tract 9682	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 9623	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 9696	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	2
Census Tract 9694	0	0	0	0	0	0	1	0	0	1	0	0	0	1	1	0	2
Census Tract 9691	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 141.32	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 141.34	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 9802	0	0	1	0	0	0	0	0	0	0	1	0	0	0	1	1	2
Census Tract 44.03	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	2
Census Tract 44.01	1	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	2
Census Tract 9696	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	2
Census Tract 98.48	0	1	0	0	0	1	0	0	0	0	0	0	0	0	1	1	2
Census Tract 105.03	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 9600	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	1	2
Census Tract 109.02	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Census Tract 111	0	0	0	0	0	1	0	0	1	0	0	0	0	1	0	1	2
Census Tract 115.50	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	2
Census Tract 116.01	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	2
Census Tract 9646	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 9619	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	2
Census Tract 79	0	1	0	0	0	0	0	0	1	0	0	1	0	0	1	1	2
Census Tract 39.02	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	2
Census Tract 3.02	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	2	2



# APPENDIX A: CONTINUED

Tract Name	Under Age 18	Above Age 64	Race (non-white)	Limited English	Occupied Mobile Homes	No Vehicle	Below Poverty	Education Below 9th Grade	Uninsured	Single Parent Household	Group Home	Moved in 2010 or Later	Disability	Socioeconomic Index	Population Index	Housing & Transit Index	ROI
Census Tract 9743	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 17.02	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Census Tract 862	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 56.34	0	1	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 59.51	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	2
Census Tract 57	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Census Tract 51.04	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	2
Census Tract 21	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	2
Census Tract 27.01	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Census Tract 26.02	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Census Tract 26.01	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Census Tract 27.02	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Census Tract 24.03	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	2
Census Tract 28.03	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	2
Census Tract 28.02	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Census Tract 821	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	1	2
Census Tract 868	0	0	0	0	0	1	1	0	0	0	0	1	0	0	1	0	2
Census Tract 72.02	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	2
Census Tract 45.10	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 800	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0	2
Census Tract 20.04	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	1	2
Census Tract 9665.02	0	1	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 4	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	2
Census Tract 139.11	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 140.12	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 141.35	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 811	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	1	2
Census Tract 842	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	2
Census Tract 815	0	1	0	0	0	0	0	0	0	0	0	1	0	0	2	0	2
Census Tract 6	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	2	2
Census Tract 871	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	0	2
Census Tract 869	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	1	2
Census Tract 28.03	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	2
Census Tract 5.04	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	1	2
Census Tract 5.05	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	1	2
Census Tract 140.06	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 614	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 2.02	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	1	2
Census Tract 21.01	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2
Census Tract 20.14	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	2
Census Tract 9667	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	2
Census Tract 16	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	2
Census Tract 7.01	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	2
Census Tract 23	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	1	2
Census Tract 14.08	0	1	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 55.02	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	2
Census Tract 20.07	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	2
Census Tract 70.88	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	2
Census Tract 9637	0	0	0	0	0	0	1	0	0	0	1	1	0	0	1	1	2
Census Tract 9639	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	1	2
Census Tract 80	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0	2
Census Tract 85.06	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	2
Census Tract 9800	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	2
Census Tract 120.01	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	2
Census Tract 85.38	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 150	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	2
Census Tract 9609	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 143	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1
Census Tract 140.01	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 139.08	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Census Tract 141.08	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 141.22	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 139.05	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 141.16	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 30	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 37.01	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 5.03	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	1
Census Tract 4.01	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1



# APPENDIX A: CONTINUED

Tract Name	Under Age 18	Above Age 64	Race (non-white)	Limited English	Occupied Mobile Homes	No Vehicle	Below Poverty	Education Below 9th Grade	Uninsured	Single Parent Household	Group Home	Moved in 2010 or Later	Disability	Socioeconomic Index	Population Index	Housing & Transit Index	ROI
Census Tract 9743	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 17.02	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Census Tract 862	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 56.34	0	1	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 59.51	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	2
Census Tract 57	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Census Tract 51.04	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	1	2
Census Tract 21	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	2
Census Tract 27.01	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Census Tract 26.02	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Census Tract 26.01	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Census Tract 27.02	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Census Tract 24.03	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	2
Census Tract 28.03	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	2
Census Tract 28.02	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	2
Census Tract 821	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	1	2
Census Tract 868	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	1	2
Census Tract 72.02	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	2
Census Tract 45.10	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 800	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0	2
Census Tract 20.04	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	1	2
Census Tract 9665.02	0	1	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 4	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	2
Census Tract 139.11	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 140.12	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 141.35	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 811	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	1	2
Census Tract 842	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	2
Census Tract 815	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 6	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2	2
Census Tract 871	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2	0	2
Census Tract 869	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	1	2
Census Tract 28.03	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	2
Census Tract 5.04	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0	1	2
Census Tract 5.05	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	1	2
Census Tract 140.06	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 614	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 2.02	0	0	1	0	0	1	0	0	0	0	0	0	0	0	1	1	2
Census Tract 21.01	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	2
Census Tract 20.14	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2	0	2
Census Tract 9667	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	2
Census Tract 16	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	2
Census Tract 7.01	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	2
Census Tract 23	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	1	2
Census Tract 14.08	0	1	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 55.02	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	2
Census Tract 20.07	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	2
Census Tract 70.88	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	1	2
Census Tract 9637	0	0	0	0	0	0	1	0	0	0	1	0	0	1	0	1	2
Census Tract 9639	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	1	2
Census Tract 80	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2	0	2
Census Tract 85.06	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	2
Census Tract 9800	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	0	2
Census Tract 120.01	0	1	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 85.38	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	2
Census Tract 150	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1	1	2
Census Tract 9609	0	1	0	0	0	0	0	0	0	0	0	0	1	0	2	0	2
Census Tract 143	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 140.01	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 139.08	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 141.08	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 141.22	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 139.05	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 141.16	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 30	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 37.01	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 5.03	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	1
Census Tract 4.01	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1



# APPENDIX A: CONTINUED

Tract Name	Under Age 18	Above Age 64	Race (non-white)	Limited English	Occupied Mobile Homes	No Vehicle	Below Poverty	Education Below 9th Grade	Uninsured	Single Parent Household	Group Home	Moved in 2010 or Later	Disability	Socioeconomic Index	Population Index	Housing & Transit Index	ROI
Census Tract 5.01	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 7.02	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 3.01	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 839	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 3.01	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
Census Tract 6	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Census Tract 11.01	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 314	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 9617	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
Census Tract 17	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 121.05	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 9731	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Census Tract 5	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 9511	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Census Tract 125.11	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Census Tract 28.02	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 44.03	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1
Census Tract 18	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	1
Census Tract 37.02	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 37.01	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 39.01	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 38	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 823	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
Census Tract 67.11	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 45.08	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 96.08	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 812	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 55.53	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
Census Tract 56.20	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 20	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 22	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 27	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 41.07	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 41.06	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Census Tract 9776	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
Census Tract 3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Census Tract 10.02	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 19	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 7	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1
Census Tract 85.39	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 12.01	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
Census Tract 2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
Census Tract 50.02	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 65.01	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 2	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 5	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1
Census Tract 9661	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 2.01	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1
Census Tract 9767	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1
Census Tract 5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 28.01	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Census Tract 24.02	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 34.01	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 300	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 9726	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 133.05	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 133.02	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 133.08	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 132.08	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 14	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 24	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 31.04	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 9646	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1



# APPENDIX A: CONTINUED

Tract Name	Under Age 18	Above Age 64	Race (non-white)	Limited English	Occupied Mobile Homes	No Vehicle	Below Poverty	Education Below 9th Grade	Uninsured	Single Parent Household	Group Home	Moved in 2010 or Later	Disability	Socioeconomic Index	Population Index	Housing & Transit Index	ROI
Census Tract 9652	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 9651	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 132.01	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 136.02	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 9781	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 9782	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 9785	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 312	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 19.02	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Census Tract 58	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 75	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Census Tract 45.03	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 57	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 74	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1
Census Tract 78	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
Census Tract 10.07	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 19.03	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 27	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 9676	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 10.10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 13.05	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
Census Tract 16.01	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
Census Tract 17.02	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 13.01	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1
Census Tract 12	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 14.03	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 19.01	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 14.04	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 7.04	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 14.15	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 20.11	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 20.20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 22.10	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 19.08	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1
Census Tract 46.01	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 20.12	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Census Tract 9707.01	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 9711	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 9403	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 101.04	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 102.02	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 101.06	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 20.10	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 85.29	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 83.88	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 85.23	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 10.05	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 84.02	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 85.37	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 91.01	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
Census Tract 92.03	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 92.04	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 91.04	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 93.04	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
Census Tract 3	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 5	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 29.13	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 31.06	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 9662	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Census Tract 9664	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
Census Tract 9659	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 9749	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 9707.03	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 9707.04	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 117.28	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 117.30	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1



# APPENDIX A: CONTINUED

Tract Name	Under Age 18	Above Age 64	Race (non-white)	Limited English	Occupied Mobile Homes	No Vehicle	Below Poverty	Education Below 9th Grade	Uninsured	Single Parent Household	Group Home	Moved in 2010 or Later	Disability	Socioeconomic Index	Population Index	Housing & Transit Index	ROI
Census Tract 117.31	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 17	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 11	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 2.01	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 4.02	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 40.04	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 42.02	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Census Tract 40.05	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1
Census Tract 120.48	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 120.51	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Census Tract 120.46	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 3	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Census Tract 4.02	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1
Census Tract 4.01	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 31.03	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
Census Tract 30.01	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 32	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 9683	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 9680	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 9684	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 9621	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Census Tract 4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Census Tract 6	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 20.13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 141.40	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Census Tract 7.05	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 45.11	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 51.08	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 33.08	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 85.42	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 612	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 85.43	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 154	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Census Tract 49.52	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 10.06	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 14.05	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Census Tract 606	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 132.13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 608	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 126.08	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1
Census Tract 33.06	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 38.02	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Census Tract 46.02	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 47.06	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 71.02	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 72.01	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 71.01	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Census Tract 120.27	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 117.02	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 32.01	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 98.06	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 98.08	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 107.01	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Census Tract 98.40	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 9242	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 102.05	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 9521	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Census Tract 98.07	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 604	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 102.11	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
Census Tract 98.31	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 103.07	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 104.05	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 107.02	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 105.04	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 108.01	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 112.02	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1



# APPENDIX A: CONTINUED

Tract Name	Under Age 18	Above Age 64	Race (non-white)	Limited English	Occupied Mobile Homes	No Vehicle	Below Poverty	Education Below 9th Grade	Uninsured	Single Parent Household	Group Home	Moved in 2010 or Later	Disability	Socioeconomic Index	Population Index	Housing & Transit Index	ROI
Census Tract 9602	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1
Census Tract 9601	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1
Census Tract 116.02	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Census Tract 117.12	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 71.06	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 71.04	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 71.05	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 806	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 838	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 117.20	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 117.27	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 9606	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 25.01	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 39.09	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 45.07	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 45.06	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 31	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 67.13	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 56.35	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 9404	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 18	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 17.01	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 24.02	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 20	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 9518.03	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 59.52	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 68.58	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 61	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 835	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
Census Tract 66.04	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 98.49	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 51.11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 68.08	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 801	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 807	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 816	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Census Tract 20.18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 30.04	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Census Tract 30.01	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 20.19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 20.05	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 845	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 9662.02	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 9665.01	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 9665.03	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 9666.01	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 9666.02	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 114.02	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 3	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 4.02	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Census Tract 4.01	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 140.13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 146.04	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 141.37	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 141.31	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Census Tract 142.04	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 144.06	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Census Tract 141.36	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 144.04	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 146.03	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 144.05	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 814	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 857	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 841	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 147	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 9682	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 68.56	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 863	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1



# APPENDIX A: CONTINUED

Tract Name	Under Age 18	Above Age 64	Race (non-white)	Limited English	Occupied Mobile Homes	No Vehicle	Below Poverty	Education Below 9th Grade	Uninsured	Single Parent Household	Group Home	Moved in 2010 or Later	Disability	Socioeconomic Index	Population Index	Housing & Transit Index	ROI
Census Tract 853	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 836	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 860	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 866	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 867	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 851	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 859	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 832	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 829	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
Census Tract 873	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 817	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 13.07	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 5.06	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1
Census Tract 8.01	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1
Census Tract 4.02	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	1
Census Tract 18.09	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 29.15	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 24.01	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 16.07	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 16.08	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 16.05	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1
Census Tract 118.05	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 117.32	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 159	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1
Census Tract 140.10	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 140.07	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 140.11	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 141.26	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 141.30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 85.44	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 141.29	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 85.48	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
Census Tract 85.50	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 85.49	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 141.24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 67.01	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 613	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 20.07	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 5.02	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 5.01	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 51.05	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 14.10	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 14.17	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 68.12	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 14.03	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 14.07	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 68.04	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 16.03	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 20.08	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 7	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1
Census Tract 68.09	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1
Census Tract 68.13	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 93.22	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
Census Tract 82	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 85.24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
Census Tract 602	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1
Census Tract 52.02	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 55.02	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1
Census Tract 60	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1
Census Tract 9726	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1
Census Tract 9804	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1



# APPENDIX B: SPECIFIC RESOURCE DESCRIPTION

**Area Agencies on Aging (AAA):** The AAAs provide options to help older adults 60+, their families, and caregivers remain independent in the community, including information and referral services, case management, transportation, home-delivered meals, senior centers, legal services and more through a network of providers.

**Aging and Disability Resources (ADRC):** ADRCs provide information and assistance as well as options counseling for both older adults and adults 18+ living with a disability to help streamline access to long-term services and supports and local resources in the community.

**Amyotrophic Lateral Sclerosis (ALS):** These groups provide an opportunity for individuals with ALS, family members and caregivers to meet and share their personal experiences and to learn more about living with ALS.

**Alzheimer's Association (ALZA):** The Alzheimer's Association provides support groups, and a broad range of educational programs and resources, including a 24-hour Helpline, at no cost to families, and funds advancements in research to prevent, treat and eventually conquer this disease.

**Arc Offices (ARC):** Arcs provide individual advocacy services for children and adults with intellectual developmental disabilities who live in their service areas.

**Board of Cooperative Educational Services (BOCES):** BOCES are extensions of the local member school districts, and provides programs and services to children, their families, and school personnel across school districts authorized at the discretion of its members.

**Brain Injury Resources (BIR):** These services provide education, recreation, and emotional support to individuals with brain injury, family members, and friends.

**Child Find Offices (CFO):** Child Find offices offer access to a trained professional to evaluate a child's cognitive, physical, hearing, vision, speech and language, and social and emotional development to determine eligibility for early intervention or preschool special education services.

**Community Centered Board Offices (CCB):** CCBs are the single entry point into the long-term care service and support system for persons with developmental disabilities.

**Congregate Meal Sites (CMS):** Congregate Meal Sites provides nutritious meals, access to community resources and positive social interaction.

**Diabetes Resources (DR):** Diabetes resource offices offer services for those who suffer from diabetes.

**Division of Vocational Rehabilitation Offices (DVR):** DVR provides assistance to individuals with disabilities prepare for going to work, obtaining, and maintaining employment including training, support, and career placement services.

**Equipment Loan Programs (ELP):** Equipment Loan Programs in Colorado provide durable medical equipment (DME), mobility equipment, and aids for daily living on a short-term basis.

**Independent Living Centers (ILC):** ILCs provide an array of independent living services for people with disabilities, including visual and hearing impairments, physical, psychiatric, and cognitive disabilities.

**Meal Delivery Programs (MDP):** Meal Delivery Program offices offer meal delivery services.

**Multiple Sclerosis Support (MS):** These groups provide an opportunity for individuals with MS, family members and caregivers to meet and share their personal experiences and to learn more about living with MS.

**Older Individuals Who Are Blind (OIB) Programs:** The OIB program provides independent living services to persons 55 or older who are blind or visually impaired.

**Parkinson's Disease Support Groups (PD):** These services provide an opportunity for individuals with Parkinson's Disease, family members and caregivers to meet and share with people who have had similar experiences. The support groups foster physical, and emotional healing and provide socialization, and education.

**Post-Polio Support Groups (PP):** These groups provide an opportunity for Polio survivors, family members and caregivers to meet and share with people who have had similar experiences.

**Sign Language Interpreters and Communication Access Real-time Translation (CART) Services:** Sign Language Interpreters provide one-on-one interpreter services for individuals who are deaf and hard-of-hearing. CART services provide voice to text translation for individuals who are deaf or hard-of-hearing at meetings, classes, training sessions and special events on-site or remotely through the use of a telephone or VoiceOver IP (VOIP) connection.

**Single Entry Points (SEP):** SEP provides individuals with physical disabilities and older people who are current and potential long term care clients with information, screening & referral, assessment of need, and a medical and financial eligibility referral to appropriate long-term care programs and case management as an alternative to nursing home placement.

**Stroke Support Groups (SS):** These services provide an opportunity for stroke survivors, family members and caregivers to meet and share with people who have had similar stroke experiences.

**Veterans Service Offices:** These offices provide personalized local service to veterans and other claimants, and to assist them in cutting through the maze of red tape frequently involved in direct dealings with government agencies.



# APPENDIX C: DRI SPECIFIC RESOURCE TABLE

County Name	Aging	Hearing	Cognitive	Mobility	Vision	AAA	ADRC	ALS	ALZA	ARC	BOCES	BIR	CART	CCB	CFO	CMS	DR	DVR	ELP	ILC	MDP	MS	OIB	PD	PP	SEP	Stroke	Veteran	Resource Location	Resource Coverage	DRI
Adams County	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	3	3
Alamosa County	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1	0	0	0	0	1	0	1	1	0	1	0	0	8	8
Arapahoe County	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Archuleta County	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	9	9
Baca County	0	0	0	0	0	0	0	1	0	1	0	1	0	0	1	0	1	0	1	0	1	1	0	1	1	0	1	0	0	11	11
Bent County	0	0	0	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	1	0	1	1	0	1	0	0	11	11
Boulder County	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Broomfield County	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Chaffee County	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	10	10
Cheyenne County	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	1	10	11
Clear Creek County	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	1	0	0	1	0	1	0	0	1	0	1	7	8
Conejos County	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	1	1	0	1	0	0	8	8
Costilla County	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	1	10	11
Crowley County	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	1	9	10
Custer County	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	10	10
Delta County	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	1	0	0	1	0	1	0	0	1	0	0	8	8
Denver County	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Dolores County	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	1	10	11
Douglas County	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Eagle County	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	0	1	0	0	0	0	8	8
Elbert County	1	0	0	0	0	0	1	0	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	1	0	0	1	0	1	9	10
El Paso County	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Fremont County	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	4	4
Garfield County	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0	0	1	0	1	1	0	1	0	0	8	8
Gilpin County	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	1	0	1	0	0	1	0	1	1	0	1	0	1	8	9
Grand County	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	0	1	0	1	0	1	9	10
Gunnison County	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	1	0	1	1	0	1	1	0	0	0	0	8	8
Hinsdale County	1	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	1	11	12
Huerfano County	1	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	1	10	11
Jackson County	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	1	10	11
Jefferson County	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kiowa County	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	1	10	11
Kit Carson County	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	10	10
Lake County	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	0	0	0	1	1	0	1	0	0	8	8
La Plata County	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0	0	1	0	0	1	0	1	0	0	7	7
Larimer County	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Las Animas County	0	0	0	0	0	0	1	1	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	1	0	0	1	0	0	10	10
Lincoln County	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	0	1	0	1	1	0	1	0	0	9	9
Logan County	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0	0	6	6
Mesa County	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Mineral County	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	0	1	0	1	1	0	1	0	1	9	10
Moffat County	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	9	9
Montezuma County	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	6	6
Montrose County	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	3	3
Morgan County	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	1	0	0	0	6	6
Otero County	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	1	0	0	1	0	1	1	0	1	0	0	7	7
Ouray County	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	1	0	0	1	0	1	9	10
Park County	1	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	1	0	1	0	1	1	0	1	0	1	0	1	9	10	
Phillips County	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	1	10	11
Pitkin County	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0	1	0	0	1	1	0	1	0	0	8	8
Prowers County	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	0	1	1	0	1	1	0	1	0	10	10
Pueblo County	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	2
Rio Blanco County	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	0	1	0	1	1	0	1	0	0	9	9
Rio Grande County	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	0	1	0	1	1	0	1	0	0	9	9
Routt County	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	0	1	0	1	0	1	9	10
Saguache County	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	0	1	0	1	1	0	1	0	1	9	10
San Juan County	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1	1	0	1	0	1	1	0	1	1	0	1	0	1	11	12
San Miguel County	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	1	10	11	
Sedgwick County	1	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	1	10	11
Summit County	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	0	1	0	1	1	0	1	1	0	1	0	0	9	9
Teller County	0	0	0	0																											