Rural Transportation and Economic Wellbeing

Carrie Kissel National Association of Development Organizations and NADO Research Foundation



About NADO

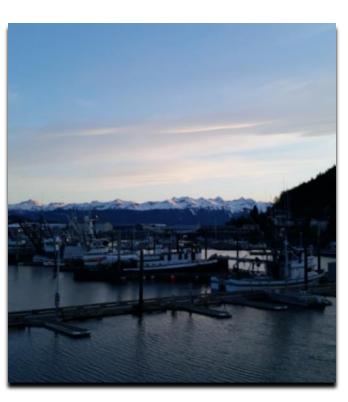
- National association for 540 regional development organizations, including emerging network of Rural Transportation Planning Organizations (RTPOs or RPOs)
- Promote public policies that strengthen local governments, communities and economies through the regional strategies, coordination efforts and program expertise of the nation's regional development organizations

About NADO

- Through the NADO Research Foundation, develop training and resources related to:
 - Rural/small metro transportation planning, RPO America
 - Small business finance
 - Economic development planning
 - Regional resiliency
 - Developing quality of place

What is Rural?

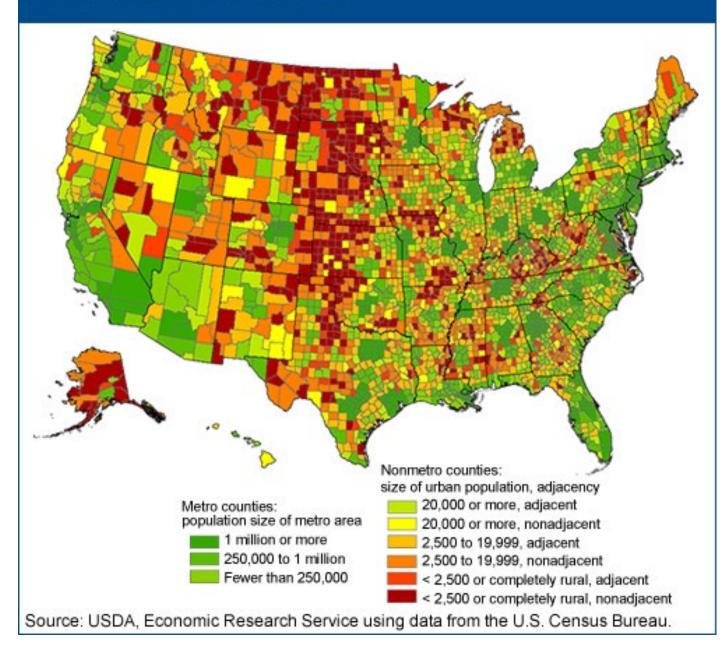




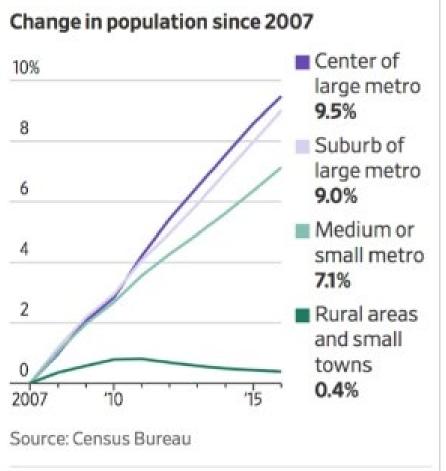


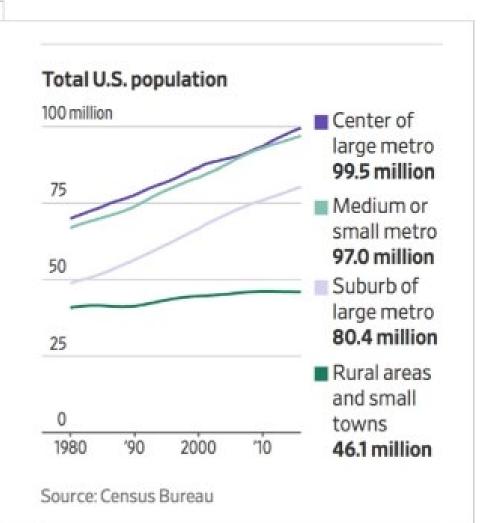


2013 Rural-Urban Continuum Codes

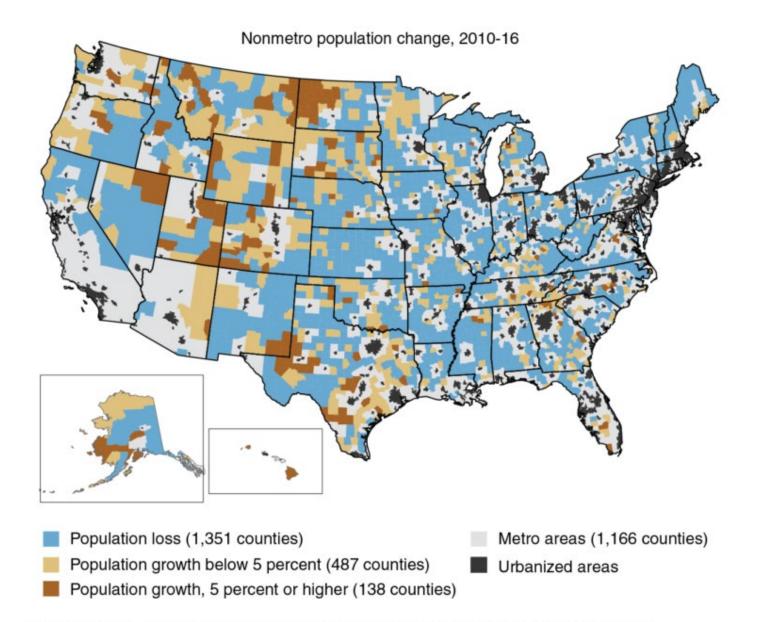


Changing distribution of America society





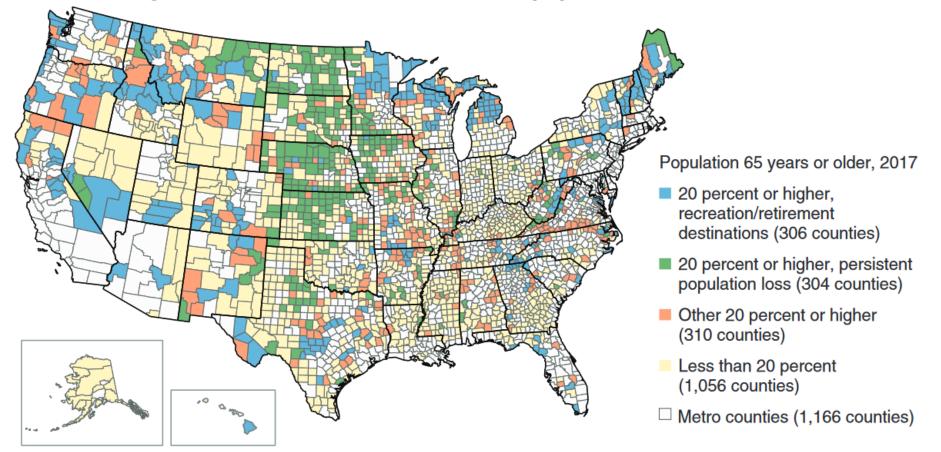
RURAL TRANSPORTATION



Source: USDA, Economic Research Service using data from the U.S. Census Bureau.

Aging Rural Places

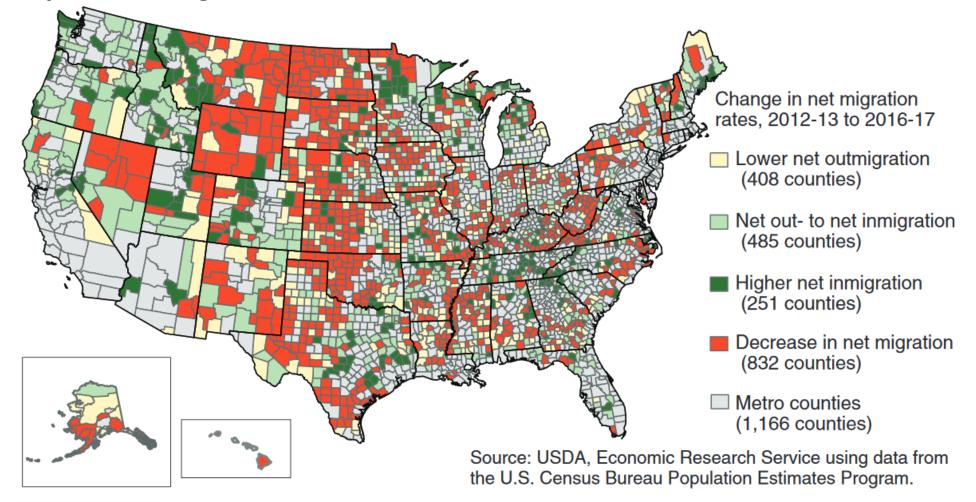
Most older-age counties are in scenic or chronic population-loss areas



Source: USDA, Economic Research Service using data from the U.S. Census Bureau Population Estimates Program.

Rural Migration

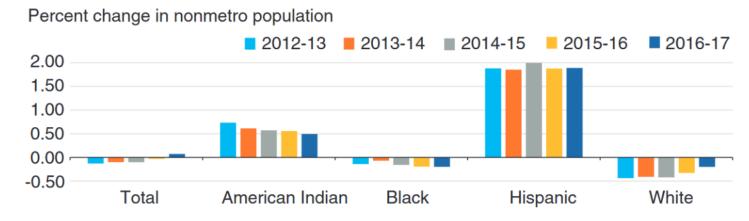
Improved net migration rates are most common in recreation/retirement destinations



Increasing Rural Diversity

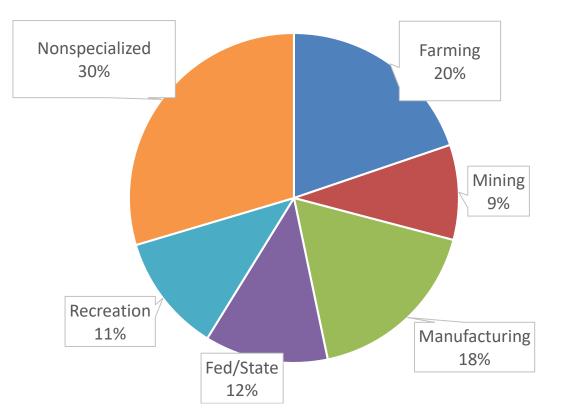
Rural minorities are 22% of the population in 2017 (compared to 42% in urban areas), but diversity is increasing. USDA ERS: <u>Rural America At-a-Glance 2018</u>

Improving nonmetro population trends since 2013 are mostly due to lower population loss among non-Hispanic Whites and stable growth among Hispanics



Note: Statistics for Whites, Blacks, and American Indians include only non-Hispanic residents. Residents included in the Hispanic category may be of any race. Groups with relatively few nonmetro residents (Asians, Pacific Islanders, and those reporting multiple races) are not included here. Source: USDA, Economic Research Service using data from U.S. Census Bureau, Population

Rural County Economy Types



1976 nonmetro counties (of 3143 total U.S. counties). Each county has one economy type. Source: USDA ERS County Typology 2015

Farming Dependent

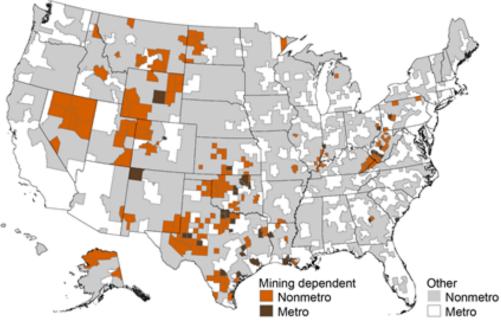
Mining Dependent

Cher Control Contro

Farming-dependent counties, 2015 edition

Farming-dependent counties are those where 25 percent or more of the county's average annual labor and proprietors' earnings were derived from farming, or 16 percent or more of jobs were in farming, as measured by 2010-12 Bureau of Economic Analysis, Local Area Personal Income and Employment data.

Note that county boundaries are drawn for the farming-dependent counties only. Source: USDA, Economic Research Service using data from Bureau of Economic Analysis. Mining-dependent counties, 2015 edition



Mining-dependent counties are those where 13 percent or more of the county's average annual labor and proprietors' earnings were derived from mining, or 8 percent or more of jobs were in mining, as measured by 2010-12 Bureau of Economic Analysis, Local Area Personal Income and Employment data. Note that county boundaries are drawn for the mining-dependent counties only. Map revised May 2017; see errata for details.

Source: USDA, Economic Research Service using data from Bureau of Economic Analysis.

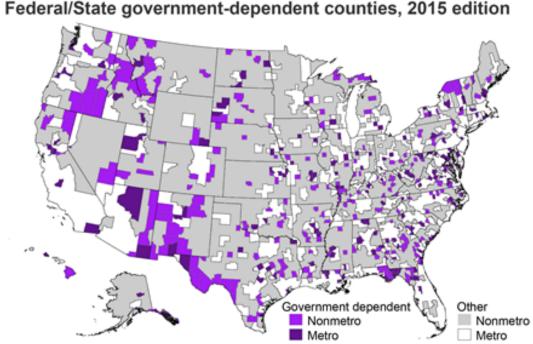
Manufacturing Dependent

Manufacturing-dependent counties, 2015 edition

Manufacturing dependent Other Nonmetro Nonmetro Metro Metro

Manufacturing-dependent counties are those where 23 percent or more of the county's average annual labor and proprietors' earnings were derived from manufacturing, or 16 percent or more of jobs were in manufacturing, as measured by 2010-12 Bureau of Economic Analysis, Local Area Personal Income and Employment data. Note that county boundaries are drawn for the manufacturing-dependent counties only. Map revised May 2017; see errata for details. Source: USDA, Economic Research Service using data from Bureau of Economic Analysis.

Fed/State Gov't Dependent

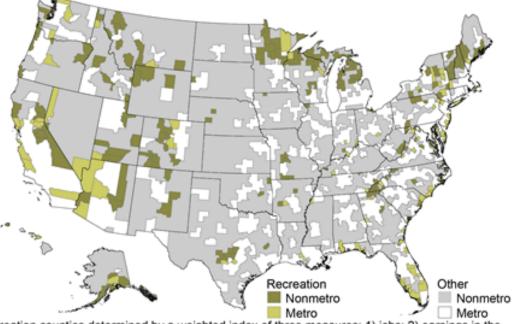


Government-dependent counties are those where 14 percent or more of the county's average annual labor and proprietors' earnings were derived from Federal/State government, or 9 percent or more jobs were in Federal/State government as measured by 2010-12 Bureau of Economic Analysis, Local Area Personal Income and Employment data. Note that county boundaries are drawn for the government-dependent counties only. Map revised May 2017; see errata for details. Source: USDA, Economic Research Service using data from Bureau of Economic Analysis.

Recreation Dependent

Nonspecialized

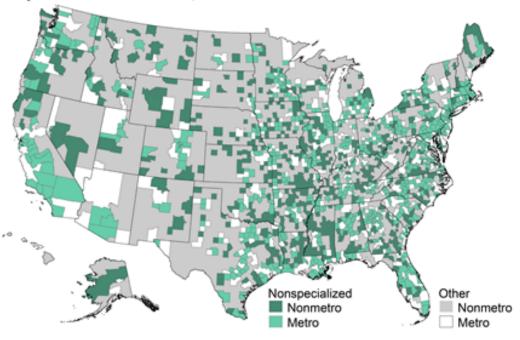
Recreation counties, 2015 edition



Recreation counties determined by a weighted index of three measures: 1) jobs; 2) earnings in the following: entertainment, recreation, accommodations, eating/drinking places, and real estate; and 3) the share of vacant housing units intended for seasonal/occasional use. Recreation counties are those with a score more than one deviation above the mean. Note that county boundaries are drawn for the recreation counties only. Map revised May 2017; see errata for details.

Source: USDA, Economic Research Service using data from Bureau of Economic Analysis and U.S. Census Bureau.

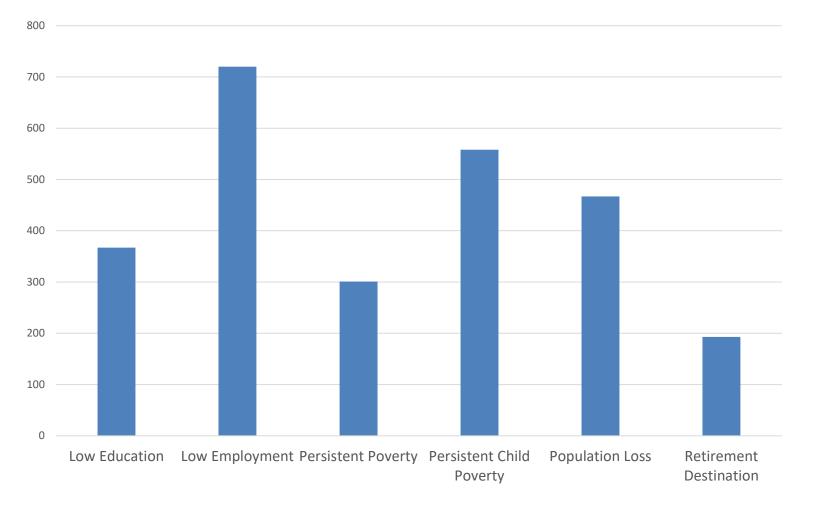
Nonspecialized counties, 2015 edition



Nonspecialized counties are those that did not meet the economic dependence threshold for any other type, as measured by 2010-12 Bureau of Economic Analysis, Local Area Personal Income and Employment data.

Note that county boundaries are drawn for the nonspecialized counties only. Source: USDA, Economic Research Service using data from Bureau of Economic Analysis.

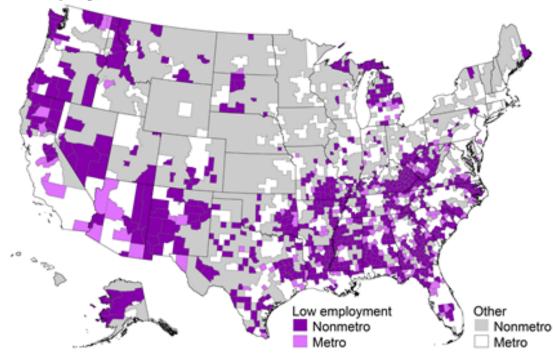
County Policy Types



Counties may have more than one policy type or no policy type. Source: USDA ERS County Typology 2015

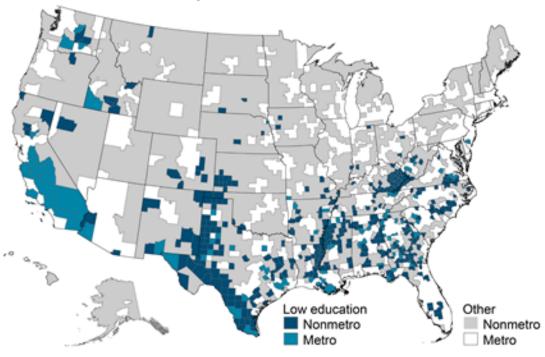
Low Employment

Low employment counties, 2015 edition



Low Education

Low education counties, 2015 edition



Low employment counties are those where less than 65 percent of county residents age 25-64 were employed, determined by the American Community Survey 5-year average data for 2008-12.

Note that county boundaries are drawn for the low employment counties only. Source: USDA, Economic Research Service using data from U.S. Census Bureau. Low education counties are those where 20 percent or more of county residents age 25-64 did not have a high school diploma or equivalent, determined by the American Community Survey 5-year average data for 2008-12.

Note that county boundaries are drawn for the low education counties only. Source: USDA, Economic Research Service using data from U.S. Census Bureau.

Rural Unemployment

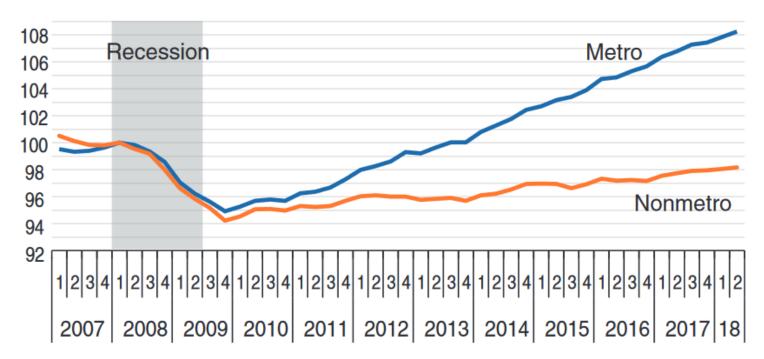
- Rural unemployment rates have been similar to metro rates, at the national level
- 2010
 - Rural: 10.3% peak
 - Urban: 9.9% peak
- 2017
 - Rural: 4.4%
 - Urban: 4.1%

- Source: USDA ERS Rural America At-a-Glance 2018

Rural Employment

Nonmetro employment up 2 percentage points since 2013, and is just over one-quarter the rate for metro areas

Employment index (2008 Q1=100)



Note: LAUS data from 2007 through 2009 were adjusted to account for a 2010 change in the method LAUS uses to apportion employment to counties. National employment totals were also benchmarked to the Current Population Survey's Research Series, which takes account of updated population estimates. Source: USDA, Economic

Research Service using data from the Bureau of Labor Statistics, Local Area Unemployment Statistics (LAUS), seasonally adjusted.

Rural Poverty

- Rural poverty occurs at higher rates than urban poverty
 - Rural: 16.4% in 2017 (down from 30-yr peak of 18.4% in 2013)
 - Urban: 12.9% in 2017
- Rural racial/ethnic minorities had the highest poverty rates
 - 2017: black 32%, Native American 31%, Hispanics 24.5%
 - Poverty among whites was 13.5%, but whites made up 80 percent of the rural poor in 2017.

Source: USDA ERS, Rural America At-a-Glance 2018

What does this mean for transportation?

Economic wellbeing:

- Some people follow jobs, some jobs follow people
- Important economic activities, but limited tax base
- Freight requires well-maintained infrastructure for reliable movement
 - Through rural places
 - From rural origins
 - To rural destinations
- But, freight movement doesn't capture econ. "rootedness"

Rural Transportation Priorities

- Regional planning and development organizations (which serve local governments and residents) report their top transportation priorities are:
 - Preservation and maintenance of existing facilities/service
 - Economic development/economic resilience
 - Safety

Transportation + Economic Resilience

What we heard from practitioners:

- Economic *resilience* should be a goal of transportation investment; ability to withstand economic shocks
- Job creation
- Job retention
- Workforce development/access to opportunity
- Placemaking and rooted economies

Transportation + Economic Resilience

Maintenance/preservation is a big part of economic resilience.

- Risks of deferred, ignored maintenance
- Lack of redundancy
- Risks across modes
- Public and private sector roles
- Transportation vulnerability assessments are economic resilience planning







Manufacturers' Perspectives on Minnesota's Transportation System: A Pilot Study in Southwest and West Central Minnesota

February 2014



- Minnesota Department Freight/Commercial Ve Relations
- Hubert H. Humphrey S
- University of Minnesota Vitality



Manufacturers' Perspectives c Minnesota's Transportation Sy

District 1 / Northeastern Minnesota

June 2017

Manufacturers' Perspec Minnesota's Transporta

District 2 / Northwestern Minnesota

June 2016



DEPARTMENT OF TRANSPORTATION



Manufacturers' Perspectives on Minnesota's Transportation System

District 6 / Southeastern Minnesota

DEPARTMENT OF TRANSPORTATION

Summer 2018

Changing Contexts: Need for Research

- Advanced tech. & transportation
- Telecommunications, remote operations
- Additive manufacturing (3D printing)
- Life sciences and health sciences disruptions (e.g., rapidly decreasing cost of genome sequencing)
- Climate change (production disruptions lead to freight pattern disruptions)

Connect with NADO

Carrie Kissel, Associate Director ckissel@nado.org | 202.643.9560

Visit us online: <u>www.NADO.org</u> <u>www.RuralTransportation.org</u> | <u>www.CEDScentral.com</u>

In-person events:

National Regional Transportation Conference, 6/17 – 19, 2019, Columbus, OH

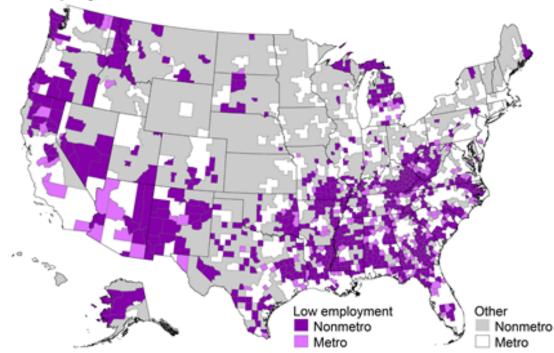
NADO Annual Training Conference, 10/19 - 22, 2019, Reno, NV

Rural Social Mobility

- A 2018 study found 6 characteristics that support upward mobility for rural youth:
 - A high expectation that youth will work hard to acquire skills
 - Strong, informal support systems
 - An early focus on career pathways
 - Opportunities to build life skills, regardless of community size
 - Many potential challenges to accessing opportunities, but creative solutions for overcoming them
 - A sense of shared fate and a deep commitment to sustaining the community
- Source: Social Mobility in Rural America: Insights from Communities Whose Young People Are Climbing the Income Ladder

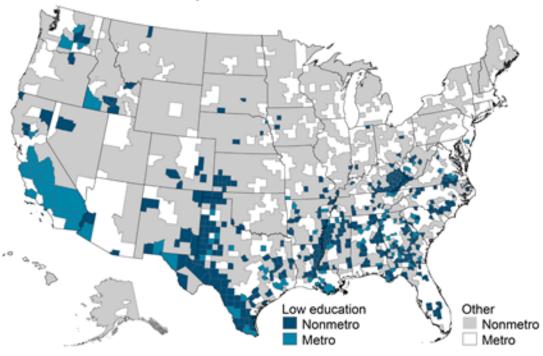
Low Employment

Low employment counties, 2015 edition



Low Education

Low education counties, 2015 edition



Low employment counties are those where less than 65 percent of county residents age 25-64 were employed, determined by the American Community Survey 5-year average data for 2008-12.

Note that county boundaries are drawn for the low employment counties only. Source: USDA, Economic Research Service using data from U.S. Census Bureau. Low education counties are those where 20 percent or more of county residents age 25-64 did not have a high school diploma or equivalent, determined by the American Community Survey 5-year average data for 2008-12.

Note that county boundaries are drawn for the low education counties only. Source: USDA, Economic Research Service using data from U.S. Census Bureau.

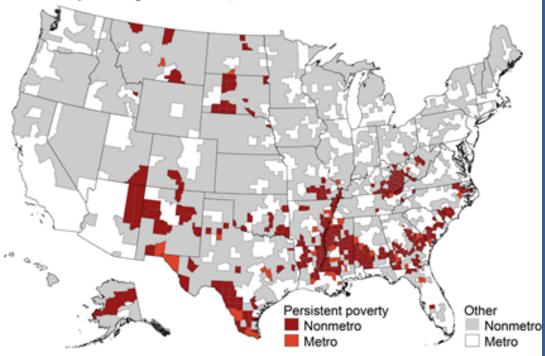
Persistent Child Poverty

Persistent child poverty counties, 2015 edition

Other Nonmetro Metro

Persistent Poverty

Persistent poverty counties, 2015 edition



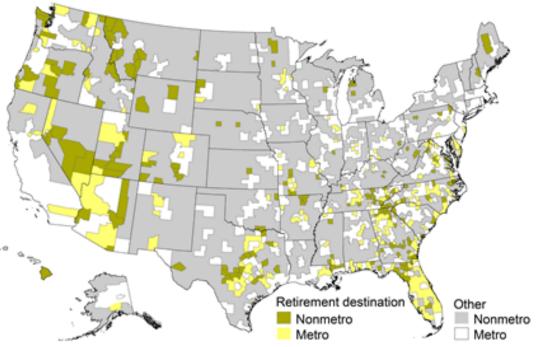
Persistent child poverty counties are those where 20 percent or more of county related children under 18 were poor, measured in the 1980, 1990, 2000 censuses, and the 2007-11 American Community Survey.

Note that county boundaries are drawn for the persistent child poverty counties only. Source: USDA, Economic Research Service using data from U.S. Census Bureau. Persistent poverty counties are those where 20 percent or more of county residents were poor, measured by the 1980, 1990, 2000 censuses, and the 2007-11 American Community Survey.

Note that county boundaries are drawn for the persistent poverty counties only. Source: USDA, Economic Research Service using data from U.S. Census Bureau.

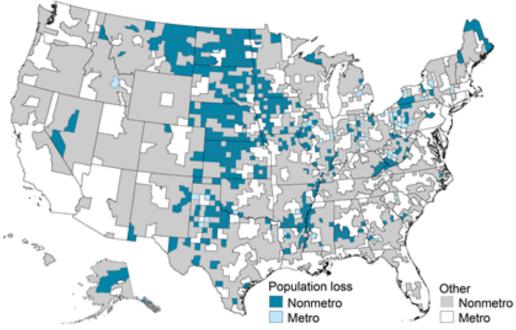
Retirement Dest.

Population Loss



Retirement destination counties, 2015 edition

Population loss counties, 2015 edition

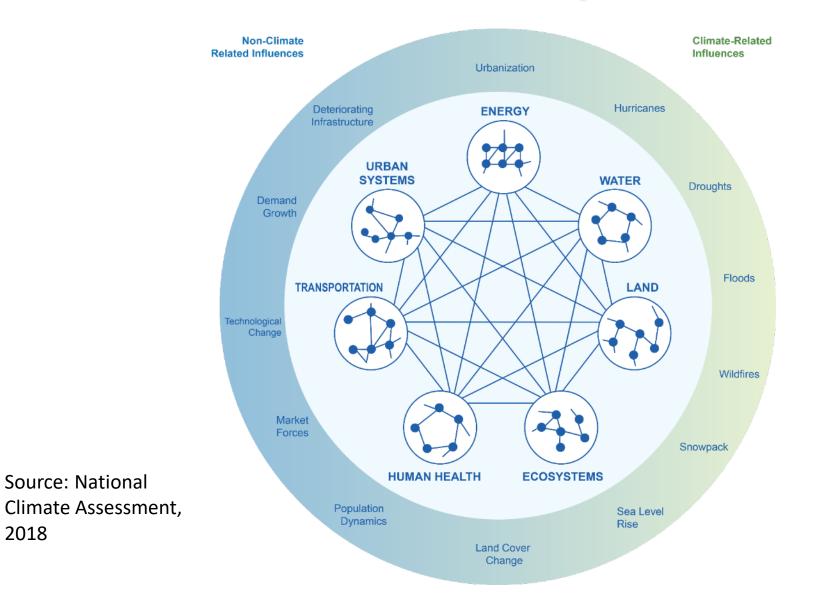


Retirement destination counties are those where the number of residents age 60 and older grew by 15 percent or more between the 2000 and 2010 censuses due to net migration. Note that county boundaries are drawn only for the retirement destination counties. Source: USDA, Economic Research Service using data from U.S. Census Bureau.

Population loss counties are those where the number of county residents declined between the 1990 and 2000 censuses and also between the 2000 and 2010 censuses. Note that county boundaries are drawn only for the population loss counties. Source: USDA, Economic Research Service using data from U.S. Census Bureau.

Interrelated Climate Impacts

2018



Rural Information Resources

- USDA Economic Research Service: <u>www.ers.usda.gov</u>
- The Daily Yonder: <u>www.dailyyonder.com</u>
- The Rural Blog: <u>http://irjci.blogspot.com</u>
- Age cohort migration: <u>https://extension.umn.edu/economic-</u> <u>development/rural-brain-gain-migration</u>

Resources for Regional Planning

<image/> <image/> <text><text><text><text><text><text><text></text></text></text></text></text></text></text>	About Us RTPO Models Resources NADO Reports	Excellence Awards Events
Ide Downtown Redevelompent Webinar contry, small tomas are rediscovering and reclaiming their main streets and by pursuing innovative community and economic development projects. Once Click the button below to receive NADO and Rural Transportation news and information directly to your inbox. sign up to receive updates sign up to receive updates Upcoming Events Of Inal FTS Format.pdf Number Partice Storey Cuture Index Undergrade for Traftic Startey Cuture Index Undergrade storey survey results of American's personal exposure to crashe ()		Redevelompent Webinar Aross the country, small towns are redisovering and reclaiming their main streets and downtowns by pursuing innovative community and economic development projects. Once abandroned sidewalks; stoefronts, and plazas are now bustling with activity as residents find their way back downtown, once again making these spaces the social, civio, and economic centers of their communities. On February []
tion Opens International Transportation Economic Development toe is spen for the International Transportation Economic Development Conference, if 9 – 11 in Dalas, Texas. The conference will focus on the issues and e () Definal FTS Format.pdf suffations for Traffic Safety Duture Index underline for Traffic Safety Suture Index underline for Traffic Safety Suture Index underline for Traffic Safety Suture Index underline survey results of Americans' personal exposure to crashe ()	INEWS INEWS INADO Holds Downtown Redevelompent Webinar Across the country, small towns are rediscovering and reclaiming their main streets and dowrtown by pursuing innovative community and economic development projects. Once abando ()	Click the button below to receive NADO and Bural Transportation news and information
Tinal FTS Format.pdf undation for Traffic Safety has released the 2013 Traffic Safety Culture Index (), which presents survey results of American's personal exposure to crashe ()	Registration Open: International Transportation Economic Developme Conference Registration is geen for the International Transportation Economic Development Conference to occur April 9 – 11 in Daltas, Texas. The conference will focus on the issues and c ()	nt
	TSCI 2013 Final FTS Format.pdf The AAA Foundation for Traffic Safety has released the 2013 Traffic Safety. Culture Index report (PDF), which presents survey results of Americans' personal exposure to crashe (New Partners for Smart Growth Conference



Rural Transportation News

Learn about new resources on RTPO planning, NADO awards, safety, health, connected and autonomous vehicles, and more!

Visit our website

NADO Research Foundation Releases 2017 Regional Transportation Planning Organizations Peer Exchange Summary

The NADO Research Foundation has released a summary of the <u>Regional Transportation</u> <u>Planning Organizations Peer Exchange</u> (PDF) that occurred on June 30, 2017 in conjunction with the National Regional Transportation Conference. The document synthesizes discussions that occurred in four smaller groups, which were organized by multi-state region. The summary documents discussion themes around evolving RTPO planning with new practices and recent successful

Regional Transportation Planning Organizations Peer Exchange Summary

developments; connecting transportation planning and economic resilience; funding and partnerships; opportunities and concerns from transformative innovation; and participants' hopes

Resources for Regional Planning

Integrating Economic Resilience in Performance-based Transportation Planning

January 2018





Planning for Transportation Together:

Collaborating to Address Transportation and Economic Resilience



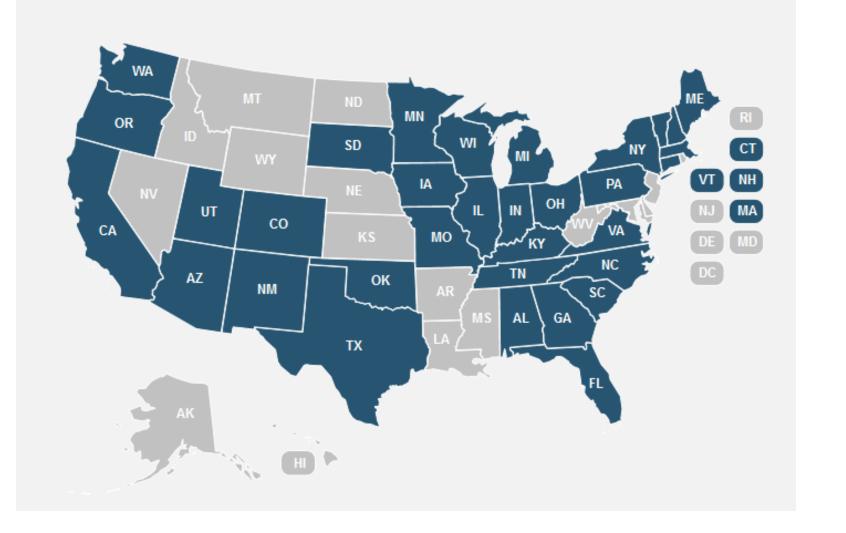


Regional Rural Transportation Planning: State Models for Local Consultation, Regional Coordination, and Regional Transportation Planning Organizations





Regional Transportation Planning Models



MAP-21 & FAST Act RTPOs

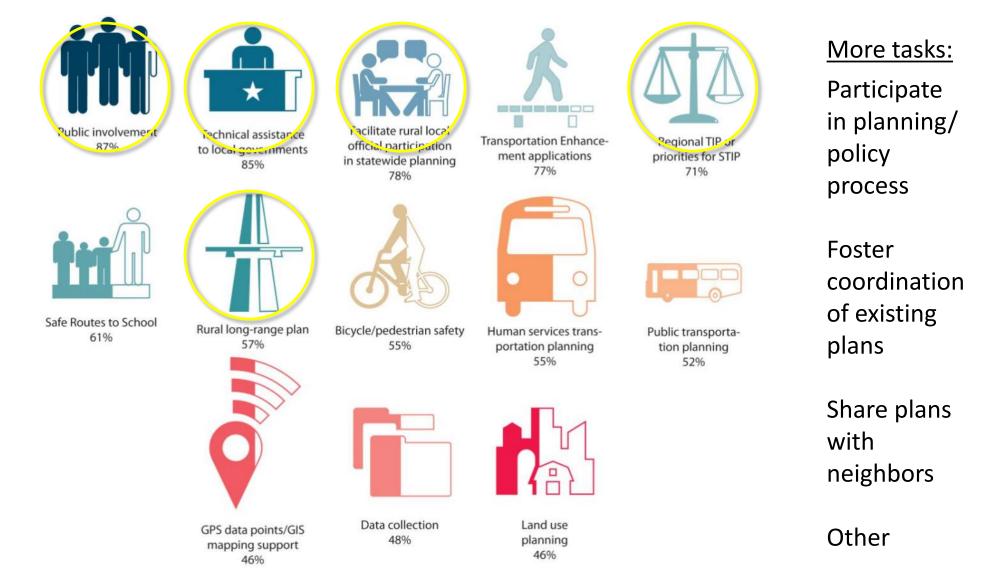
- Structure: policy committee, fiscal agent
- Basic regional planning, TA duties outlined
- State outreach to local officials separate from public outreach
- States:
 - "Cooperate" with RTPOs on LRTP
 - "Consult" with RTPOs on Interstate, Bridge, NHS, 5310, 5311 projects in STIP
 - "Cooperate" with RTPOs on other projects in STIP for areas with a population under 50,000
 - "Consult" with RTPOs on Strategic Highway Safety Plan

Typical RTPO Tasks



71%

Required RTPO Tasks



RURAL **TRANSPORTATION**

Broad Engagement

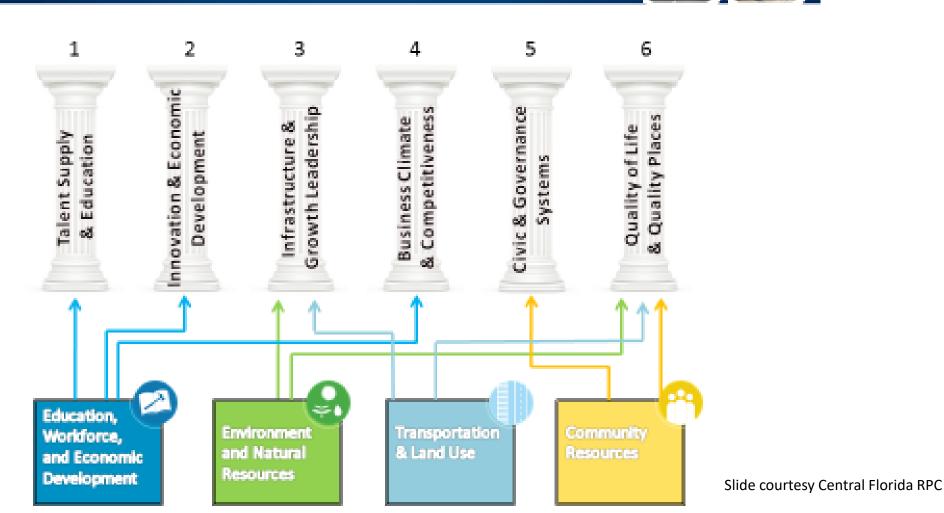
Ē

Photo courtesy Lower Savannah COG

RURAL **TRANSPORTATION**

Link Existing Planning Processes and Programs

6 Pillars of the Future Economy



Connect to Implementation



Image courtesy River Valley Regional Commission

Building Wealth in Your Region

The eight capitals		
The capital	The definition	
Individual	The existing stock of skills, understanding, physical health and mental wellness in a region's people.	
Intellectual	The existing stock of knowledge, resourcefulness, creativity and innovation in a region's people, institutions, organizations and sectors.	
Social	The existing stock of trust, relationships and networks in a region's population.	
Cultural	The existing stock of traditions, customs, ways of doing, and world views in a region's population.	
Natural	The existing stock of natural resources—for example, water, land, air, plants and animals—in a region's places.	
(R) Built	The existing stock of constructed infrastructure—for example, buildings, sewer systems, broadband, roads—in a region's places.	
Political	The existing stock of goodwill, influence and power that people, organizations and institutions in the region can exercise in decision-making.	
Financial	The existing stock of monetary resources available in the region for investment in the region.	

Why Form RTPOs?

- Value propositions for:
 - State DOT
 - Local governments
 - Businesses
 - Residents