

## TECHNICAL WORKING GROUP (TWG) MEETING # 2 SUMMARY

**Date:** June 27, 2017  
**Time:** 10:00 AM - 12:00 PM  
**Location:** Apache Gold Conference Center  
5 US 70, San Carlos, AZ 85550

### Introductions

- Travis Ashbaugh, CAG Transportation Planning Manager, welcomed study participants and asked them to introduce themselves (Sign-in sheet attached). He then read the Title VI notice per CAG requirements.

### Study Background and Purpose

Rick provided a brief project background and purpose.

Study Background: CAG's 2015 Regional Transportation Plan identified the need to:

- Provide residents in Gila County with improved transit services
- Connect rural areas in the CAG region to Maricopa and Pinal counties

Study purpose:

- Assess the current transit environment in the region
- Identify the needs, travel alternatives, and unmet transit demand
- Identify duplication or service overlaps; develop strategies to improve coordination among existing services
- Conduct a Feasibility Study: Verify the need for transit service and establish community support
- Develop an Implementation Plan, if needed
- Identify and improve efficiencies by using existing transit resources

Vamshi provided a brief update on the status of the project.

- Compiled existing conditions data in support of technical analysis and demand estimation
- Completed survey of most major transit service providers in the region

### Survey of Transit Service Providers

Vamshi mentioned that a total of 30 service providers exist within the study area or impact the study area.

- 6 located in Payson
- 6 located in Globe-Miami area – 2 in Miami, 4 in Globe
- 4 providers have fixed routes
- 5 are Horizon Human services (5 separate locations)

- 4 providers located outside of study area boundary: Show Low, Apache Junction, Casa Grande, and Phoenix

Vamshi then provided a detailed summary of the survey results. (see attached PowerPoint presentation for details). Discussion included the following:

- Jacobs will develop a comprehensive database of the providers and survey results and provide to CAG at the end of the study
- Question: What will the study focus on in terms of priority of transit services – medical, schools, commute, etc
  - Response: Study will focus on all transit needs
- Question: Is Greyhound service available in the study area?
  - Response: Yes. El Paso to Phoenix. Stops in Bylas and Peridot
- San Carlos is planning to connect to Fort Apache Connection in the spring of 2018 (slide 25). Fort Apache changed schedule recently. Cassie will provide revised version.
- Average time service begins: Between 6AM and 8AM; Average time service Ends: Between 3PM and 4:30PM; No services are typically available after 4:30PM
- Revision to Slide 20, San Carlos has 27 vehicles
- Cobre Valley and San Carlos are in need of bus shelters
- Mountain Valley Shuttle has runs from Show Low to Payson and on to Phoenix Greyhound station and Skyharbor Airport.
- Research to see if there is a need for ASU shuttle from Payson to Tempe/Phoenix campuses
- Arizona Bus Sales is now Creative Bus Sales

## Existing Conditions

- Vamshi presented a summary of existing transit services, service areas, and routes within the region.
- Jacobs will confirm the following per TWG comments:
  - Percentage of occupied housing units in Gila County and Payson/Star Valley
  - Below population percentage for San Carlos (should be around 70%)
  - Elderly population percentage for San Carlos. 10% seems low
  - Minority population for Globe-Miami. 11% seems low
  - Female head of households
  - Zero vehicle households
- Valley Metro and MAG may be able to assist in obtaining employer survey data to help with identifying “Transportation to Work” patterns
- Most TWG members do not feel that Gila County will lose population by 2045 but understand that the data is as provided by the “Arizona Office of Economic Opportunity”. Jacobs will use a high growth scenario to assess impacts and needs
- There are new private providers such as Uber and Lyft. Jacobs will research if those services are available in the study area

## Preliminary Transit Demand

Vamshi reviewed the transit demand methodology and preliminary demand estimates. Transit demand was estimated using TCRP Report 161 methods and is based on population, housing units, below poverty population, elderly population, minority population, transportation to work, zero vehicle households, and other factors. Commuter demand and choice riders demand will be estimated using the upcoming travel survey and other methods.

## Public and Stakeholder Outreach Plan

- Rick facilitated the public and stakeholder outreach discussion. TWG members felt that the public open houses alone may not be the best means of getting meaningful public feedback. The following revised outreach strategies were discussed and agreed to by the TWG:

Outreach Method	Responsible Party	Timeframe
Survey via SurveyMonkey or similar tool. Consider incentive such as a Gift Card	Jacobs/CAG	End Sept
Printed Surveys (Same as SurveyMonkey form)	TWG	End Sept
Printed Surveys distributed in San Carlos	Bernie	Sept
Printed surveys conducted at Walmart in Payson	TWG	Sept
Distribute surveys to churches	TWG	Sept
Surveys at Bashas store in Payson	TWG	
Reach out to schools for student/parent feedback, gift card drawing for participants	TWG	Sept
Attend San Carlos Elders meeting	Bernie/Rick	August
Radio programs (Globe/San Carlos/Payson/Star Valley)	TWG	Sept
Attend special events	TWG/Jacobs	Sept
Visit Senior Centers	TWG	Sept
Reach out to elected officials and other stakeholders	TWG/Jacobs	Sept

- TWG members felt that reaching out to the public through council meetings may not target the right audience.

## Next Steps and Action Items

- Public Outreach Efforts: July to mid-September
- Draft Feasibility Report: Late October

The meeting was adjourned at 12:15PM.

## Sign-in Sheet



## Greater Gila County Transit Study Technical Working Group

Date: Tuesday, June 27, 2017

Location: Apache Gold Casino Conference Center

	Name	Agency	Address	Email	Phone	Initial
1	Audra Thomas	Maricopa Association of Governments	302 N. 1st Avenue, Phoenix	<a href="mailto:akthomas@azmag.gov">akthomas@azmag.gov</a>	602-254-6300	AKT
2	Bernadette Kniffin	San Carlos Apache Tribe	P.O. Box 871, Peridot	<a href="mailto:bkniffin@tanf.scat-nsn.gov">bkniffin@tanf.scat-nsn.gov</a>	928-475-5011	BK
3	Bobby Smith - (Mayor)	Town of Hayden	PO Box B, Hayden	<a href="mailto:bsmith@townofhayden.net">bsmith@townofhayden.net</a>	480-353-8653	
4	Cassie Kenton-Garcia	White Mountain Apache Tribe	P.O. Box 1710, Whiteriver	<a href="mailto:cassiekentongarcia@wmat.us">cassiekentongarcia@wmat.us</a>	928-338-5155	CKG
5	Chancy Nutt	Town of Star Valley	3675 E Highway 260, Star Valley	<a href="mailto:cnutt@ci.star-valley.az.us">cnutt@ci.star-valley.az.us</a>	928-472-7752	
6	Chris Bertone	Rim Country Chamber of Commerce	100 W Main St, Payson	<a href="http://chris@rimcountrychamber.com">chris@rimcountrychamber.com</a>	928-474-4515	
7	Chuck Proudfoot	Community Presbyterian Church	800 W Main St, Payson	<a href="mailto:cpstudy@yahoo.com">cpstudy@yahoo.com</a>	928-474-2059	CP
8	Curtis Ward	Town of Payson	303 N Beeline Highway, Payson	<a href="mailto:cward@paysonaz.gov">cward@paysonaz.gov</a>	928-472-5044	CW
9	David Francis	San Carlos Apache Tribe		<a href="mailto:dfrancis@tanf.scat-nsn.gov">dfrancis@tanf.scat-nsn.gov</a>	928-475-5023	DF
10	Eddie Caine	Central Arizona Governments (CAG)	1075 S Idaho Rd., Apache Jct	<a href="mailto:ecaine@cagaz.org">ecaine@cagaz.org</a>	480-474-9300	EC
11	Ellen Kretsch	Globe Miami Chamber of Commerce	1360 N Broad St, Globe	<a href="mailto:director@globemiamichamber.com">director@globemiamichamber.com</a>	928-425-4495	
12	Jerry Barnes	City of Globe	150 N Pine St, Globe	<a href="mailto:jbarnes@globeaz.gov">jbarnes@globeaz.gov</a>		
13	Joanne Conlin	Payson Senior Center	514 W Main St, Payson	<a href="mailto:pseniorctr@gmail.com">pseniorctr@gmail.com</a>	928-474-4876	JC
14	Joseph Heatherly	Town of Miami	500 West Sullivan Street, Miami	<a href="mailto:Miamimanager@cableone.net">Miamimanager@cableone.net</a>	(928) 473-4403	
15	Linda Odonetto	City of Globe	150 N Pine St, Globe	<a href="mailto:lodonetto@globeaz.gov">lodonetto@globeaz.gov</a>	928-425-7146x24	
16	Maria Munoz - (Vice Mayor)	Town of Hayden		<a href="mailto:mmunoz@townofhayden.net">mmunoz@townofhayden.net</a>		
17	Paul Jepson	City of Globe	150 N Pine St, Globe	<a href="mailto:ptjepson@globeaz.gov">ptjepson@globeaz.gov</a>	928-425-7146x24	
18	Phyllis Davis	Jacobs Engineering	101 N 1st Avenue, Ste 2600, PHX	<a href="mailto:phyllis.davis@jacobs.com">phyllis.davis@jacobs.com</a>		
19	Richard Cluster	Miami Transit - CVCT	506 W Sullivan ST, Miami	<a href="mailto:miamitransit@cableone.net">miamitransit@cableone.net</a>	928-473-8222	RC
20	Richard Powers	Jacobs Engineering	101 N 1st Avenue, Ste 2600, PHX	<a href="mailto:Rick.Powers@Jacobs.com">Rick.Powers@Jacobs.com</a>	(602) 530-1662	RP
21	Rob Bohannon	R.H. Bohannon & Associates	3612 E. Laurel Ln., Phoenix	<a href="http://rob@rhbohannon.com">rob@rhbohannon.com</a>		RB
22	Sara Allred	AZ Department of Transportation	206 S. 17th Ave., Phoenix	<a href="mailto:sallred@azdot.gov">sallred@azdot.gov</a>	602-712-4498	
23	Stephen Abernathy	Greyhound Lines   First America	6008 60th Loop SE, Lacey, WA	<a href="mailto:stephen.abernathy@greyhound.com">stephen.abernathy@greyhound.com</a>	360-456-6818	
24	Sylvia Kerlock	Town of Winkelman	PO Box 386, Winkelman	<a href="mailto:skerlock@townofwinkelman.com">skerlock@townofwinkelman.com</a>	520-356-7854	
25	Tara Chief	White Mountain Apache Tribe	PO Box 1710, Whiteriver	<a href="mailto:tarachief@wmat.us">tarachief@wmat.us</a>	928-338-5155	
26	Thomas Homan	Gila County Public Works	745 N. Rose Mofford Way	<a href="mailto:thoman@gilacountyvaz.gov">thoman@gilacountyvaz.gov</a>	928-402-8515	TH
27	Todd Pryor	Town of Superior	199 N Lobb Ave., Superior	<a href="mailto:manager@superioraz.gov">manager@superioraz.gov</a>	520-689-5752	
28	Travis Ashbaugh	Central Arizona Governments (CAG)	1075 S Idaho Rd., Apache Jct	<a href="mailto:tashbaugh@cagaz.org">tashbaugh@cagaz.org</a>	480-474-9300	TA
29	Trever Fleetham	Town of Payson	303 N Beeline Highway, Payson	<a href="mailto:tfleetham@paysonaz.gov">tfleetham@paysonaz.gov</a>	928-472-5034	TF
30	Vamshi Yellisetty	Jacobs Engineering	101 N 1st Avenue, Ste 2600, PHX	<a href="mailto:Vamshi.Yellisetty@jacobs.com">Vamshi.Yellisetty@jacobs.com</a>	(602) 530-1603	YV

*Please check for accuracy at sign-in and initial for right column. Please also complete the In-Kind Forms*

Last Updated: **2/15/2017**



## Greater Gila County Transit Study Technical Working Group

Date: Tuesday, June 27, 2017

Location: Apache Gold Casino Conference Center

	Name	Agency	Address	Email	Phone	Initial
31	Sana Chavez	A2DAT 534		Schavez Jr @ A2DAT.GOV	602-712	
32	Dizine Prine	Gila Co CAP	107 W Frontier St HC, Panguitch, AZ	dprine@gilacountyaz.gov	938-474-7193	DP
33	ANGELO BELVADO	Nace Bicko Ali: TRANSIT				
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Last Updated: 2/15/2017

## Meeting Presentation





# GREATER GILA COUNTY TRANSIT FEASIBILITY AND IMPLEMENTATION STUDY



Technical Working Group Meeting #2  
June 27, 2017

# Agenda

- Introductions
- Study Background and Purpose
- Survey of Transit Service Providers
- Existing Conditions
- Preliminary Transit Demand Analysis
- Public and Stakeholder Outreach
- Next Steps and Action Items

# Study Background

**CAG's 2015 Regional Transportation Plan identified the need to:**

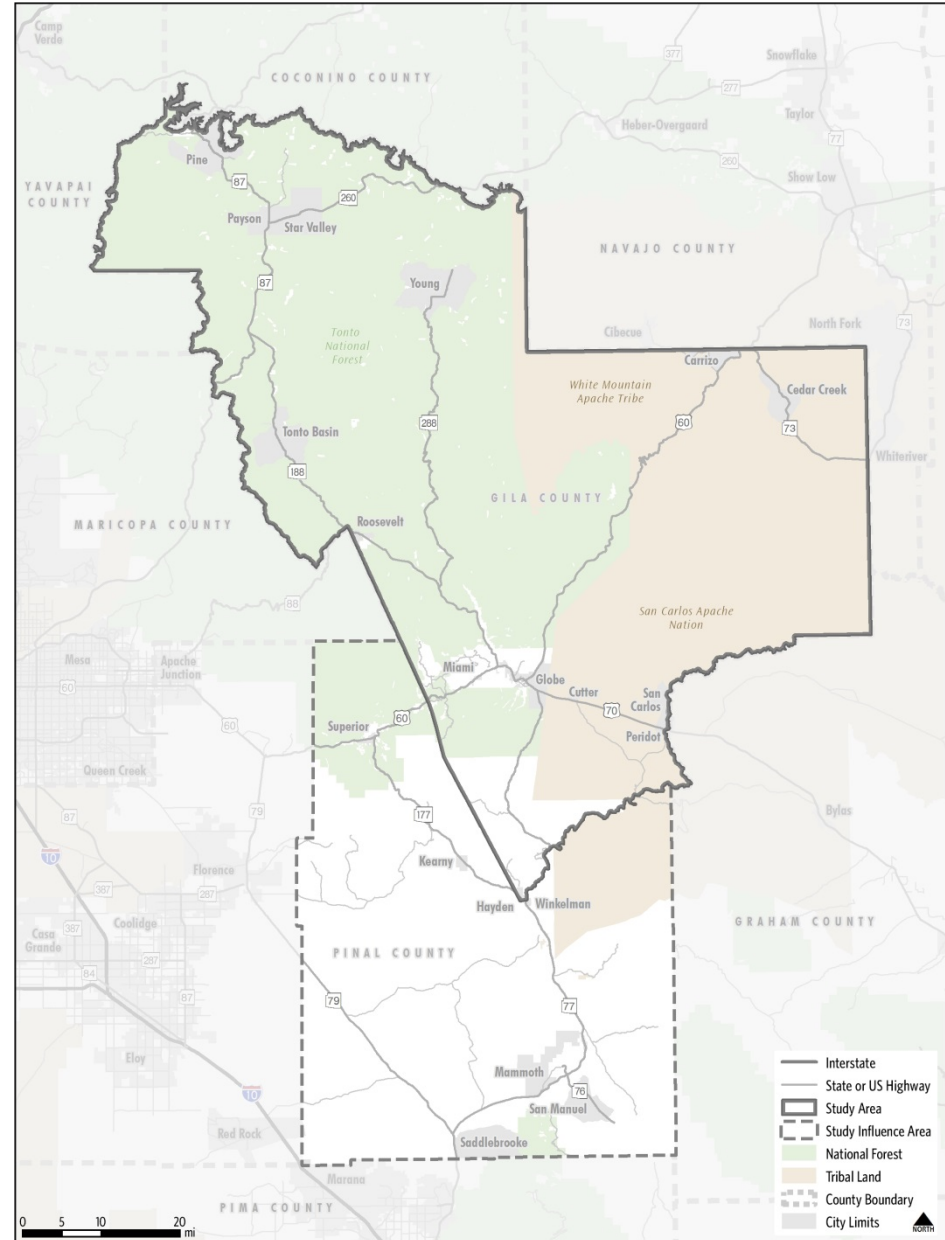
- Provide residents in Gila County with improved transit services
- Connect rural areas in the CAG region to Maricopa and Pinal counties

# Study Purpose

- Assess the current transit environment in the region
- Identify the needs, travel alternatives, and unmet transit demand
- Identify duplication or service overlaps; develop strategies to improve coordination among existing services
- Conduct a Feasibility Study:
  - Verify the need for transit service and establish community support
- Develop an Implementation Plan, if needed
- Identify and improve efficiencies by using existing transit resources

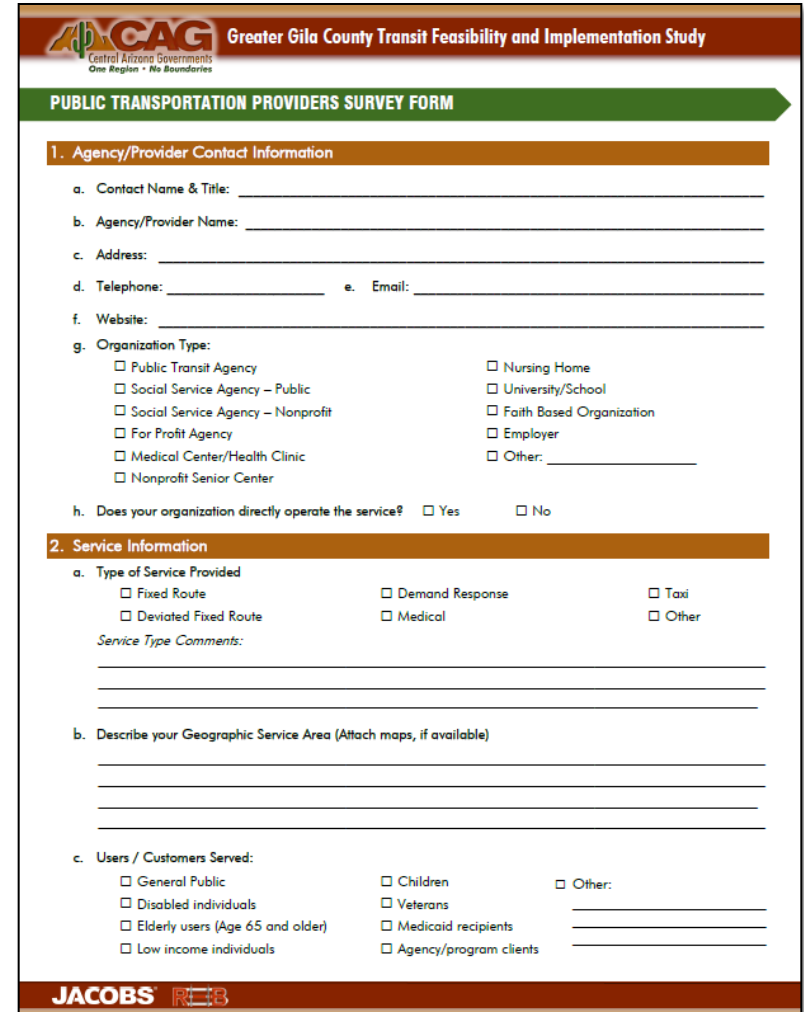
# Study Area

- Gila County
- Major populated areas include:
  - Payson-Star Valley
  - Globe-Miami
  - Superior
  - San Carlos-Peridot
  - Hayden-Winkelman
  - White Mountain Apache Tribe



# Transit Service Provider Survey

- Telephone surveys were conducted with 17 service providers
- Survey collected information on:
  - Types of services provided
  - Fleet information
  - Funding and revenue sources
  - Issues, constraints, needs
  - Future plans



**Greater Gila County Transit Feasibility and Implementation Study**

**PUBLIC TRANSPORTATION PROVIDERS SURVEY FORM**

**1. Agency/Provider Contact Information**

a. Contact Name & Title: \_\_\_\_\_

b. Agency/Provider Name: \_\_\_\_\_

c. Address: \_\_\_\_\_

d. Telephone: \_\_\_\_\_ e. Email: \_\_\_\_\_

f. Website: \_\_\_\_\_

g. Organization Type:

<input type="checkbox"/> Public Transit Agency	<input type="checkbox"/> Nursing Home
<input type="checkbox"/> Social Service Agency – Public	<input type="checkbox"/> University/School
<input type="checkbox"/> Social Service Agency – Nonprofit	<input type="checkbox"/> Faith Based Organization
<input type="checkbox"/> For Profit Agency	<input type="checkbox"/> Employer
<input type="checkbox"/> Medical Center/Health Clinic	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Nonprofit Senior Center	

h. Does your organization directly operate the service?  Yes  No

**2. Service Information**

a. Type of Service Provided

<input type="checkbox"/> Fixed Route	<input type="checkbox"/> Demand Response	<input type="checkbox"/> Taxi
<input type="checkbox"/> Deviated Fixed Route	<input type="checkbox"/> Medical	<input type="checkbox"/> Other

Service Type Comments: \_\_\_\_\_

b. Describe your Geographic Service Area (Attach maps, if available)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

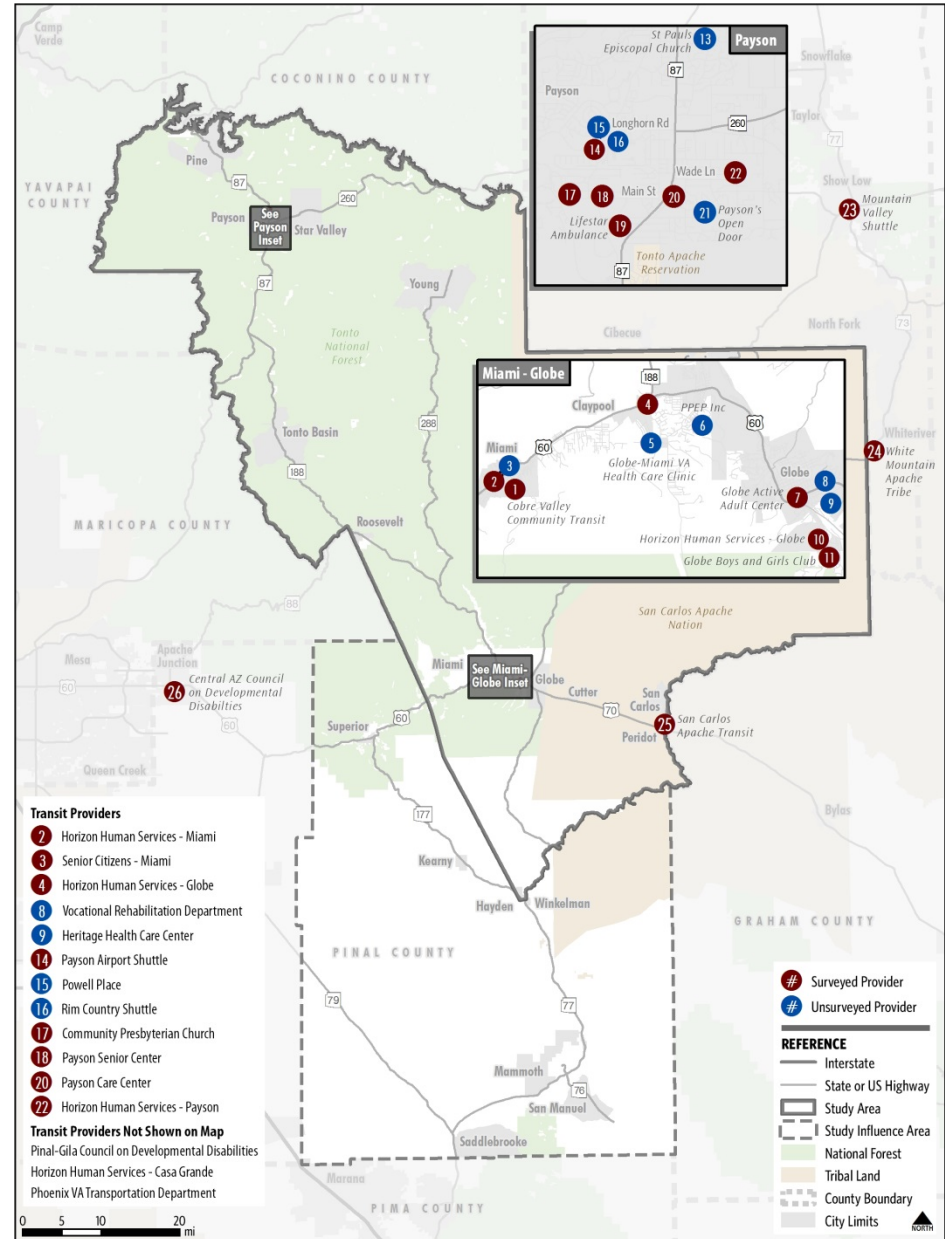
c. Users / Customers Served:

<input type="checkbox"/> General Public	<input type="checkbox"/> Children	<input type="checkbox"/> Other: _____
<input type="checkbox"/> Disabled individuals	<input type="checkbox"/> Veterans	_____
<input type="checkbox"/> Elderly users (Age 65 and older)	<input type="checkbox"/> Medicaid recipients	_____
<input type="checkbox"/> Low income individuals	<input type="checkbox"/> Agency/program clients	_____

**JACOBS REB**

# Service Providers

- ~ 30 service providers
  - Payson: 6
  - Miami: 2; Globe: 4
  - Horizon Health and Wellness: 5 locations
- 4 providers have fixed routes
- 4 providers located outside of study area boundary: *Show Low, Apache Junction, Casa Grande, and Phoenix*
- 3 transit providers have service to the Phoenix area (Sky Harbor, VA Hospital)



# Survey Results: Service Provider Type

## Public Transit Agency

- Cobre Valley Community Transit
- San Carlos Apache Nnee Bich'oo Nii
- White Mountain Apache Tribe's Fort Apache Transit Connection

## Social Service Agency – Public

- Globe Active Adult Center
- Globe Boys and Girls Club
- Phoenix VA Transportation Department
- Central Arizona Council

## Other (Medical, Private, Faith)

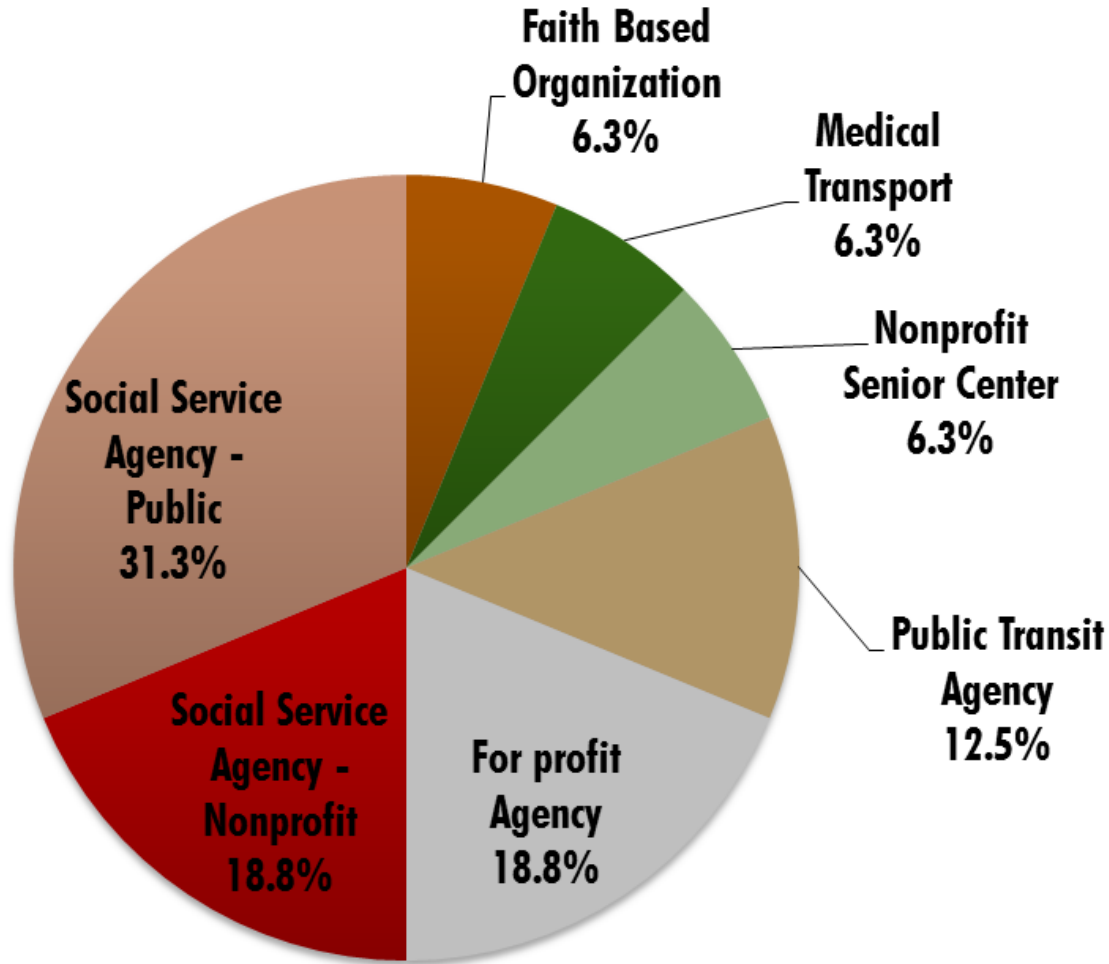
- Community Presbyterian
- Payson Care Center
- Lifestar Ambulance
- Mountain Valley Shuttle
- Payson Airport Shuttle

## Social Service Agency – Non-Profit

- Horizon Health and Wellness
- Payson Senior Center



# Survey Results: Service Provider Type\*

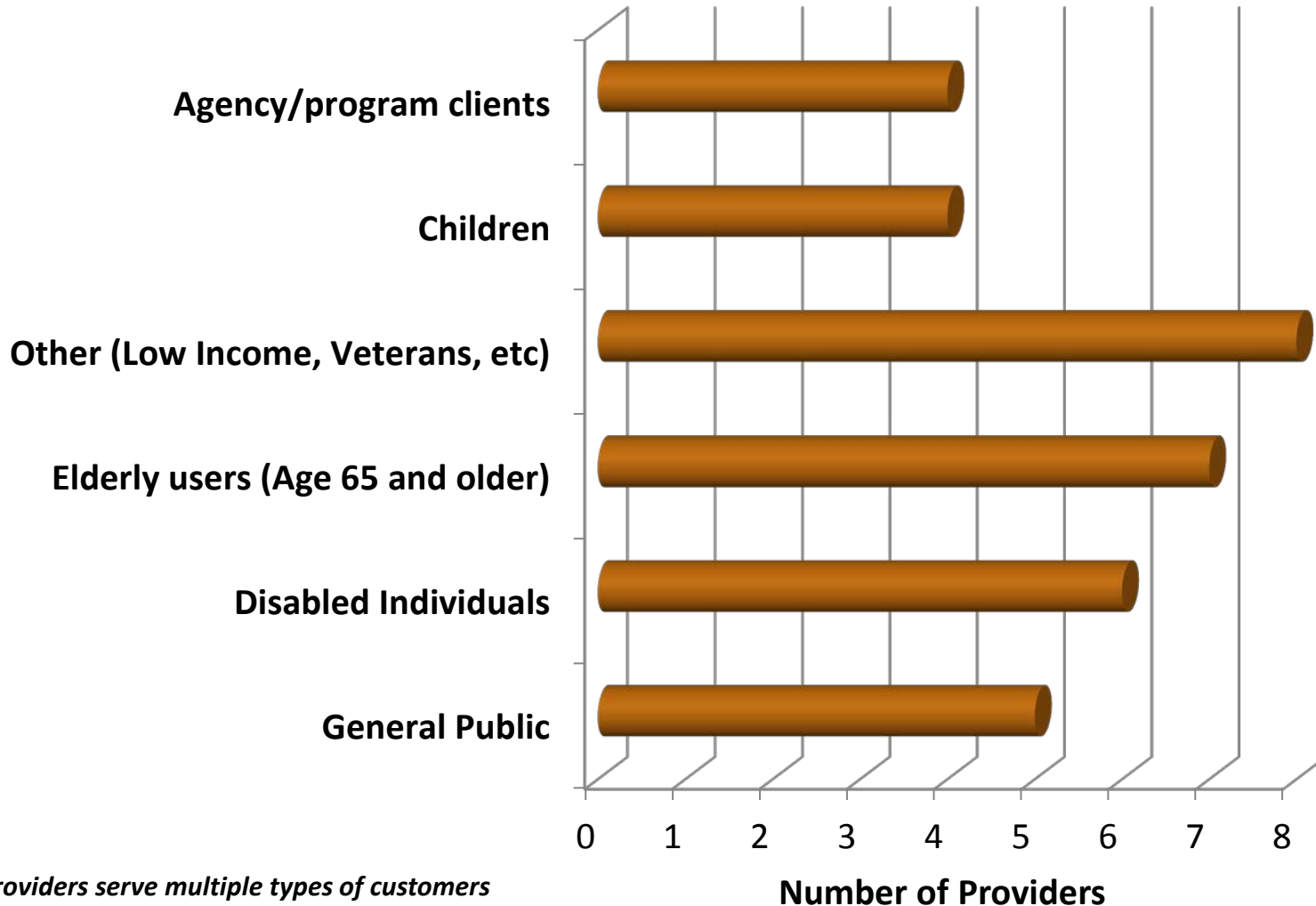


\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.

# Survey Results: Service Area and Major Providers

<b>Globe - Miami Area</b>	<b>Payson Area</b>	<b>San Carlos - Peridot</b>	<b>Cibecue - Whiteriver</b>	<b>Regional</b>	<b>Statewide</b>
<b>Cobre Valley Community Transit</b>	<b>Community Presbyterian Church</b>	<b>San Carlos Apache Transit</b>	<b>Fort Apache Connection (White Mountain Apache Tribe)</b>	<b>Payson Airport Shuttle</b>	<b>Horizon Health and Wellness</b>
<b>San Carlos Apache Transit</b>	<b>Payson Senior Center</b>			<b>Mountain Valley Shuttle</b>	
<b>Globe Boys and Girls Club</b>	<b>Lifestar Ambulance</b>			<b>Phoenix VA Transportation Department</b>	
<b>Globe Active Adult Center</b>	<b>Payson Care Center</b>			<b>Central AZ Council on Developmental Disabilities</b>	
<b>Miami Senior Center</b>				<b>Pinal - Gila Council for Senior Centers</b>	

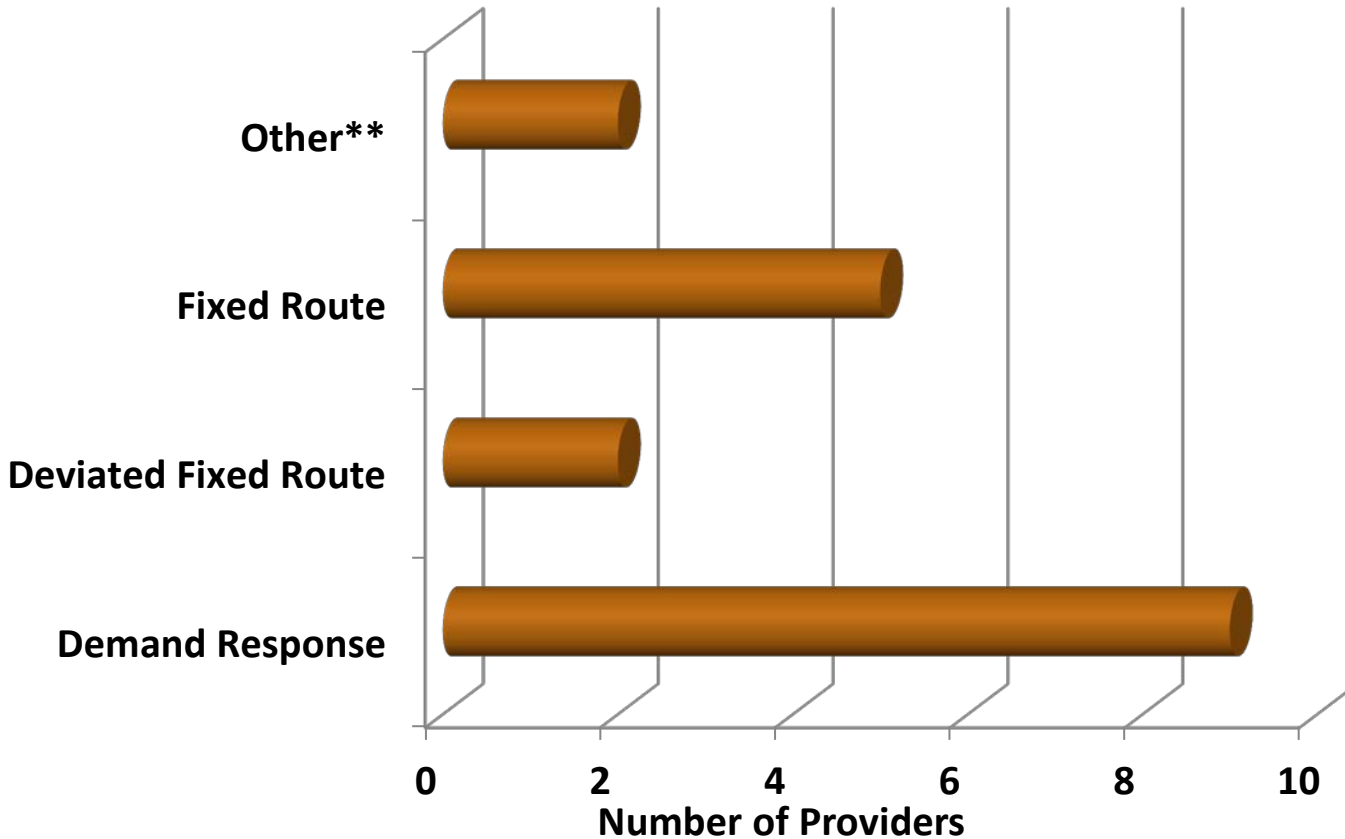
# Survey Results: Type of Customers Served\*



*Many providers serve multiple types of customers*

*\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.*

# Survey Results: Type of Service Provided\*

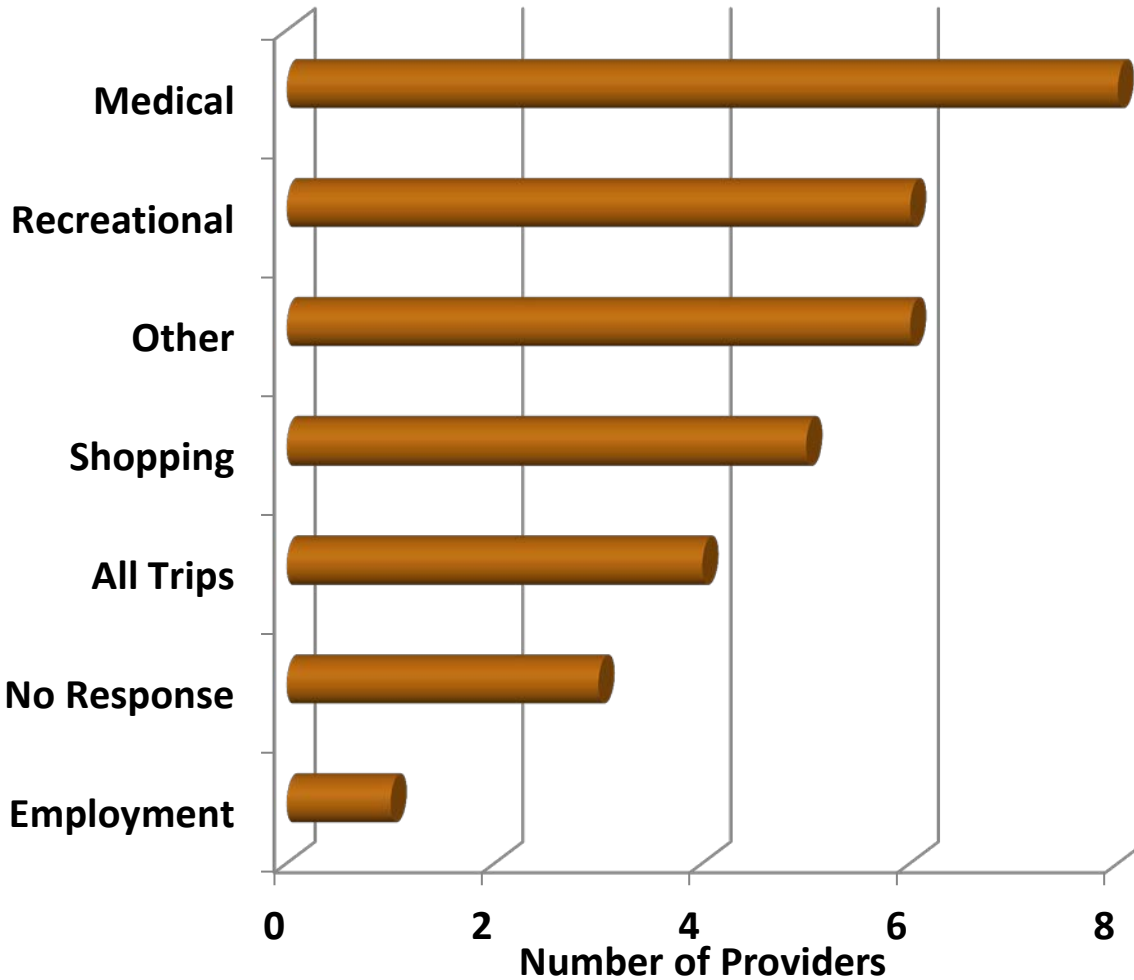


**Many providers offer multiple types of services**

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*\*\* Other: 1) Boys and Girls Club Vehicle is used to pick up student participants after school and take to Club. Also to take participants home. Vehicle is also used for field trips. 2) Horizon Health and Wellness takes enrollees to activities*

# Survey Results: Type of Trips Served\*

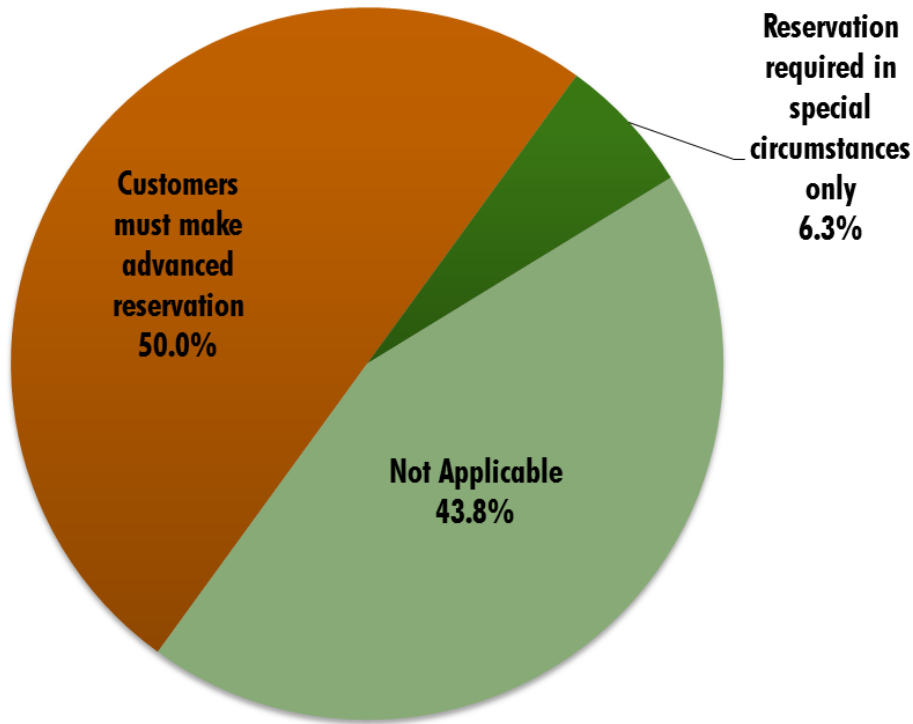


- Other trip locations served include airports, schools, church daycare, and prisoner transport
- Nnee Bich'o Nii operates special trips to Wal-Mart, State Fair in Phoenix, and seasonal acorn picking
- WMAT's Fort Apache Transit Connection schedule is designed for commuting to and from work

*\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.*

*Many providers serve multiple types of trips*

# Survey Results: Reservation Requirements\*

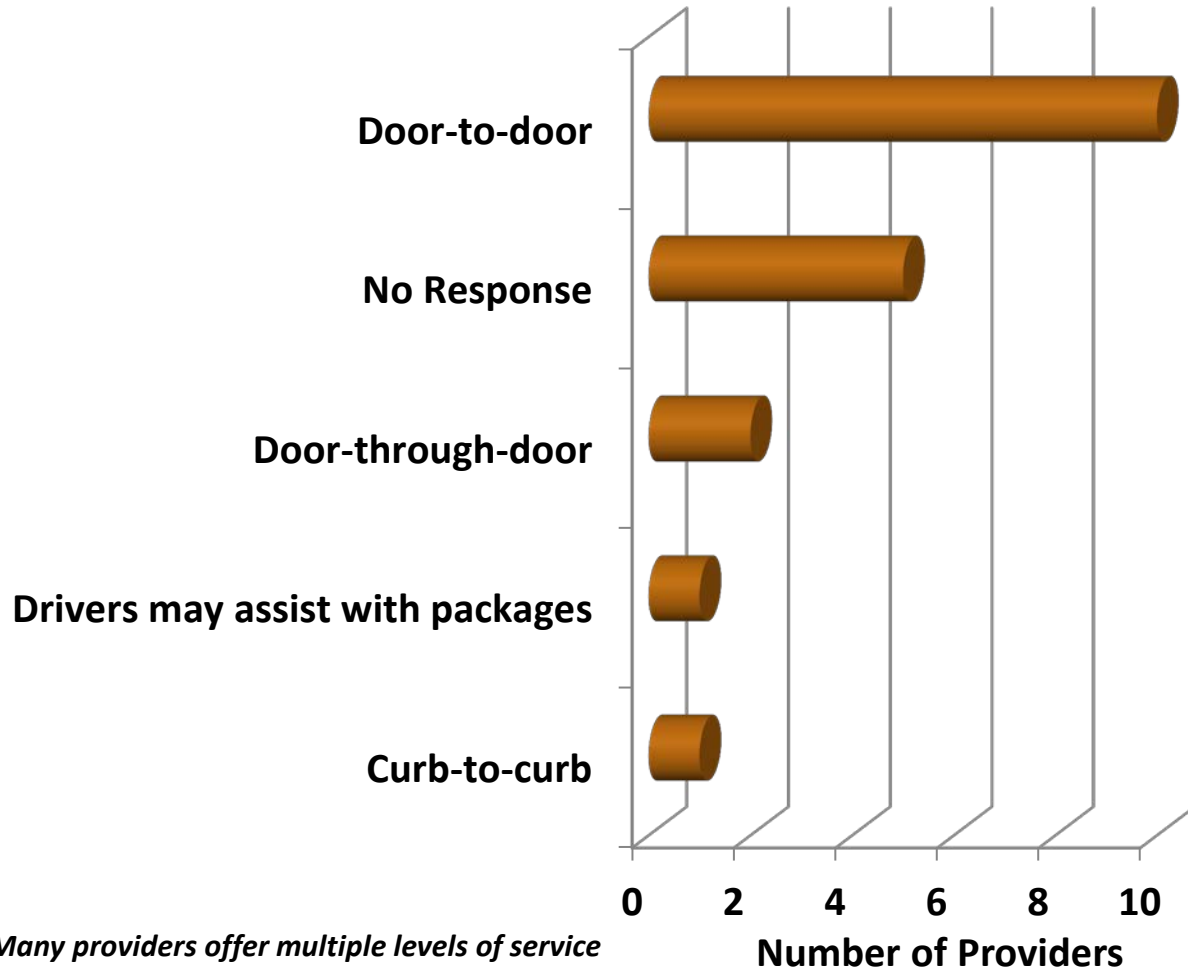


## Demand Response service and advance reservation requirements:

- All reservations can be made by phone
- Majority are able to fulfill all trip requests received
- Payson Senior Center – refers riders to local taxi service for unfulfilled requests

*\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.*

# Survey – Level of Service Provided\*

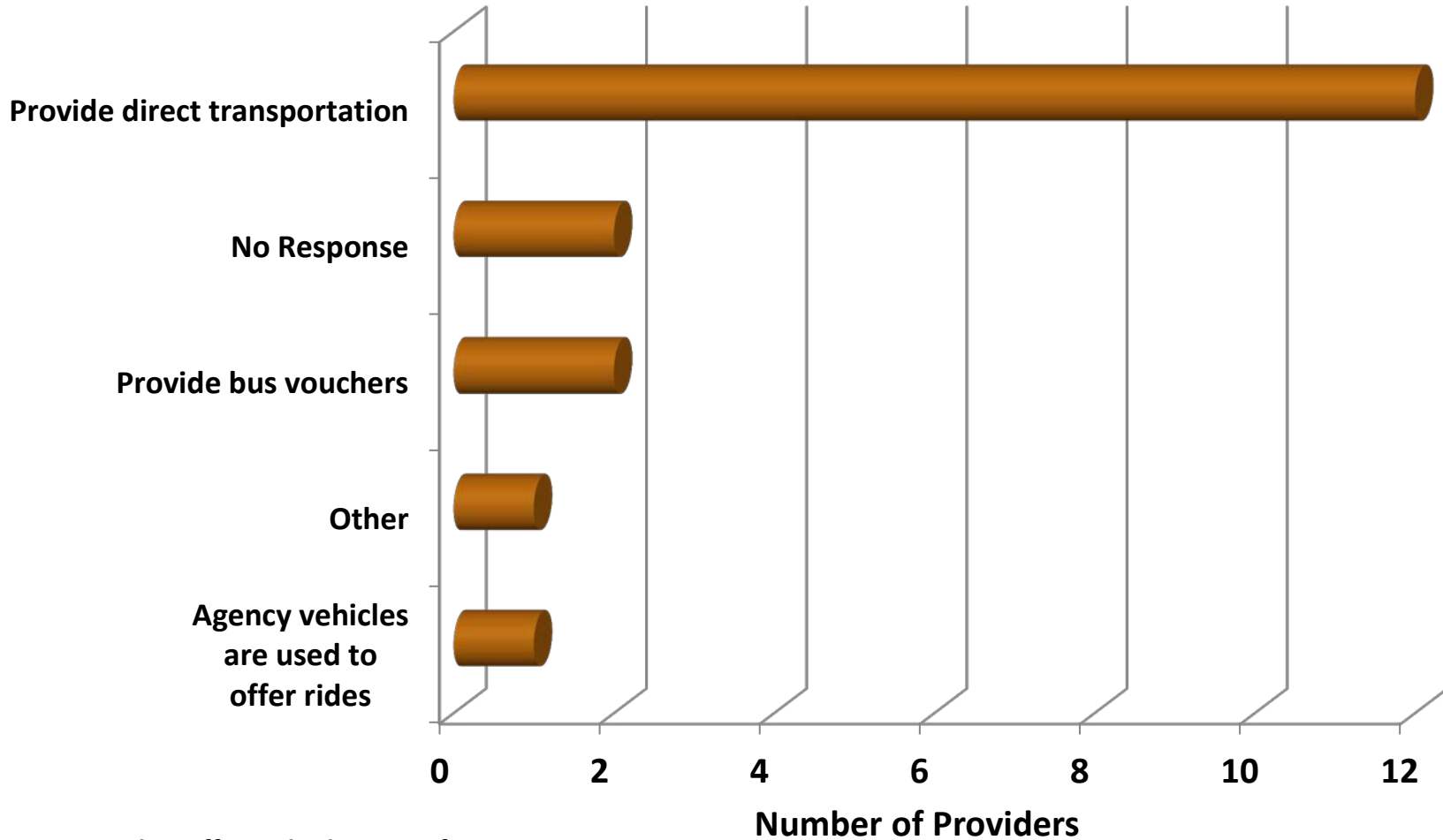


- Most common destinations include employment centers, medical, church, general shopping, schools, and airports

*Many providers offer multiple levels of service*

*\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.*

# Survey Results: Transportation Assistance\*



*Many providers offer multiple types of transportation assistance*

*\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.*



# Survey Results: Service Information\*

## Service Routes and Schedules

- Avg. Time Service Begins: Between 6AM and 8AM
- Avg. Time Service Ends: Between 3PM and 4:30PM
- Avg. Frequency: About 30 trips per day

## Time and Days of the Week

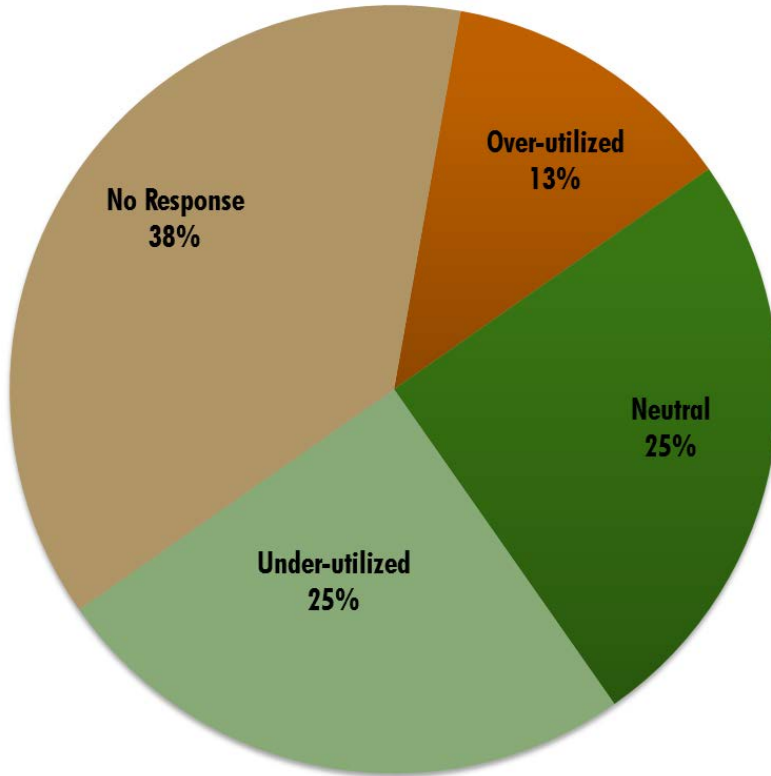
- Most services provide on-demand transportation for the majority of the day, and week

## Reservations

- Calls to reserve transportation should be made between 48 hours and 12 hours for most services

*\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.*

# Survey Results: Service Utilization\*



Do you feel your service is under-utilized or over-utilized?

- **Over-utilized:** Too many users for available vehicles
- **Under-utilized:**
  - name confusion
  - need marketing assistance
  - most trips are made with just one or two passengers

*\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.*

# Survey Results: Ridership\*

## Annual Ridership

- Ranges from about 500 to 33,000
- **Globe Boys and Girls Club:** 63 riders per day in the summer
- **Community Presbyterian:** 8-10 students a day
- **Payson Senior Center:** Was 9,000, due to cutbacks now 7,000
- **Pinal-Gila Council for Senior Citizens:** 32,292 (496 individuals)
- **Central Arizona Council and Horizon Human Services:** over 1,000 wheelchair trips a year

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# Survey Results: Fleet Information\*

- **Largest Fleet:** San Carlos Apache Nnee Bich'oo Nii with 22 vehicles
- Vans are the most common vehicle type
- **Total fleet vehicles**
  - Vans – 35
  - Sedan – 13
  - Bus – 11
  - Ambulance – 7
  - Minivan – 6
- 46% of vehicles are **more than 5 years old**
- 55% of vehicles are **in state of good repair**

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# Survey Results: Fleet Information\*

Agency	Vehicle Type	Total Number of	Wheelchair Accessible	Vehicle Age				Vehicle Condition		
				< 1 year	2-3 years	3-5 years	> 5 years	Very Good	Good	Poor
Globe Boys and Girls Club	Van	1	0	0	0	0	1	1	0	0
Central Arizona Council	Van	1	1	0	0	0	1	1	0	0
Central Arizona Council	Minivan	1	0	1	0	0	0	1	0	0
Community Presbyterian	Bus	2	1	0	0	0	2	0	2	0
Globe Active Adult Center	Van	2	2					2	0	0
Horizon Human Services	Van	8	3	2	2	2	2	4	3	1
Horizon Human Services	Minivan	4	0	1	5	1	0	1	2	1
Horizon Human Services	Sedan	8	0	1	4	3	0	1	7	0
Lifestar Ambulance	Sedan	1	0	0	0	0	1	1	0	0
Lifestar Ambulance	Ambulance	7	0	5	0	0	2	2	7	0
Payson Airport Shuttle	Van	1	0	0	0	0	1	1	0	0
Payson Airport Shuttle	Sedan	2	0	0	0	0	2	1	1	0
Payson Care Center	Bus	1	1	0	0	0	1	0	1	0
Payson Care Center	Van	1	1	0	0	0	1	0	1	0
San Carlos Apache Nnee Bich'o Nee	Van	16	0	2	0	0	14			
San Carlos Apache Nnee Bich'o Nee	Bus	4	0	0	2	2	0			
San Carlos Apache Nnee Bich'o Nee	Sedan	2	0	0	0	0	2			
Payson Senior Center	Bus	2	2	0	1	0	1	1	1	0
Payson Senior Center	Van	1	0	0	0	0	1	1	0	0
Payson Senior Center	Minivan	1	1	0	0	1	0	1	0	0
Phoenix VA Transportation Department	Van	2	2					0	2	0
White Mountain Apache Tribe	Bus	2	2	2	0	0	0	2	0	0
Mountain Valley Shuttle	Van	2	0	0	1	0	1	0	1	0

\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.

# Survey Results: Funding and Revenue Sources\*

- The most commonly received funding sources are City of Globe, Town of Miami, FTA Section 5311 (via ADOT), and Gila County
- Fare practices vary greatly between agencies. Suggested donations to \$70
- **Globe Boys and Girls Club:** \$25 Annual Membership , \$25 fee
- **Cobre Valley Transit:** \$1 regular fare; \$0.50 reduced fare
- **Globe Active Adult Center:** Suggested donation of \$0.50
- **Payson Airport Shuttle:** \$70 per person one way, upcharge for early morning and late-night pickups
- **Payson Senior Center:** Suggested donation of \$5 for roundtrip

*\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.*

# Survey Results: Service Coordination\*

**Cobre Valley Community  
Transit**



**SCAT Nnee Bich'o Nii**

**Globe, Payson, Hayden  
Senior Centers**



**Pinal-Gila Council for Seniors**

**Horizon Health and Wellness**



**Coordinated Training**

**Lifestar Ambulance**



**Hospitals/Fire Departments**

**Payson Airport Shuttle**



**Hospitals**

**Payson Senior Center**



**Payson Care Center, Rim  
County Health, Hospital**

*\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.*

# Survey Results: Service Coordination\*

**White Mountain Apache  
Tribe**



**SCAT Nnee Bich'oo Nii and City  
of Show Low**

**Miami Senior Center**



**Cobre Valley Community  
Transit; Pinal-Gila Council for  
Seniors**

**SCAT Nnee Bich'oo Nii**



**Cobre Valley Community  
Transit, White Mountain**

*\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.*



# Survey Results: Future Plans\*

- 56% of providers have plans for expansion
- **Globe Boys and Girls Club**
  - Grant application to Freeport-McMoran for additional van
- **Cobre Valley Community Transit**
  - Transit center at senior center in Miami
  - **Cutback:** Southwest Gas Stop
- **San Carlos Apache Nnee Bich'ó Nii**
  - Service to Tucson
  - Implement "Copper Corridor" service (Globe - Winkleman - Superior - Miami - Globe )

*\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.*

# Survey Results: Future Plans\*

- **Payson Airport Shuttle**
  - Exploring airport shuttle service from the Globe-Miami
- **Phoenix VA Transportation Department**
  - Reviewing options for service to San Carlos and White Mountain Tribal areas
  - Plan to hire more drivers
- **White Mountain Apache Tribe**
  - Seasonal connection with Nnee Bich'oo Nii August
  - Expand service to five Western communities
  - Implement Cibicue - Show Low service via US 60

*\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.*

# Survey Results: Unmet Needs\*

- **Cobre Valley Community Transit**
  - Shelters at key stops
  - More stops in Claypool
  - Restructure fares and schedule
  - Need stops at Taco Bell, AM/PM, close to hotels; serve high school; and weekend service
  - Need standardized fair break-points
  
- **Mountain Valley Shuttle**
  - Need more business
  - Would like to better maintain vans

*\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.*

# Survey Results: Unmet Needs\*

- **San Carlos Apache Nnee Bich'ó Nii**
  - Regional Dispatch Center. Explore feasibility of Gila Transit Authority similar to that implemented in Pinal County
- **Community Presbyterian**
  - Public transit in Payson
- **Payson Senior Center**
  - Service to Pine, Strawberry, Mesa de Caballo, Young
  - Service to transport medical patients seeking treatment

*\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.*

# Survey Results: Unmet Needs\*

- **White Mountain Apache Tribe**
  - Transportation division headquarters at Whiteriver airport
- **Pinal-Gila Council for Senior Citizens**
  - Connecting services to/from fixed route pick-up stops
- **Central Arizona Council**
  - Have to take vehicles to Arizona Bus Sales for wheelchair lift maintenance
- **Globe Active Adult Center**
  - Need service to take persons to doctors appointments, shopping, etc.

*\*Data illustrates completed surveys as of June 2017 and may not necessarily represent the study area in its entirety.*

Slide - 29

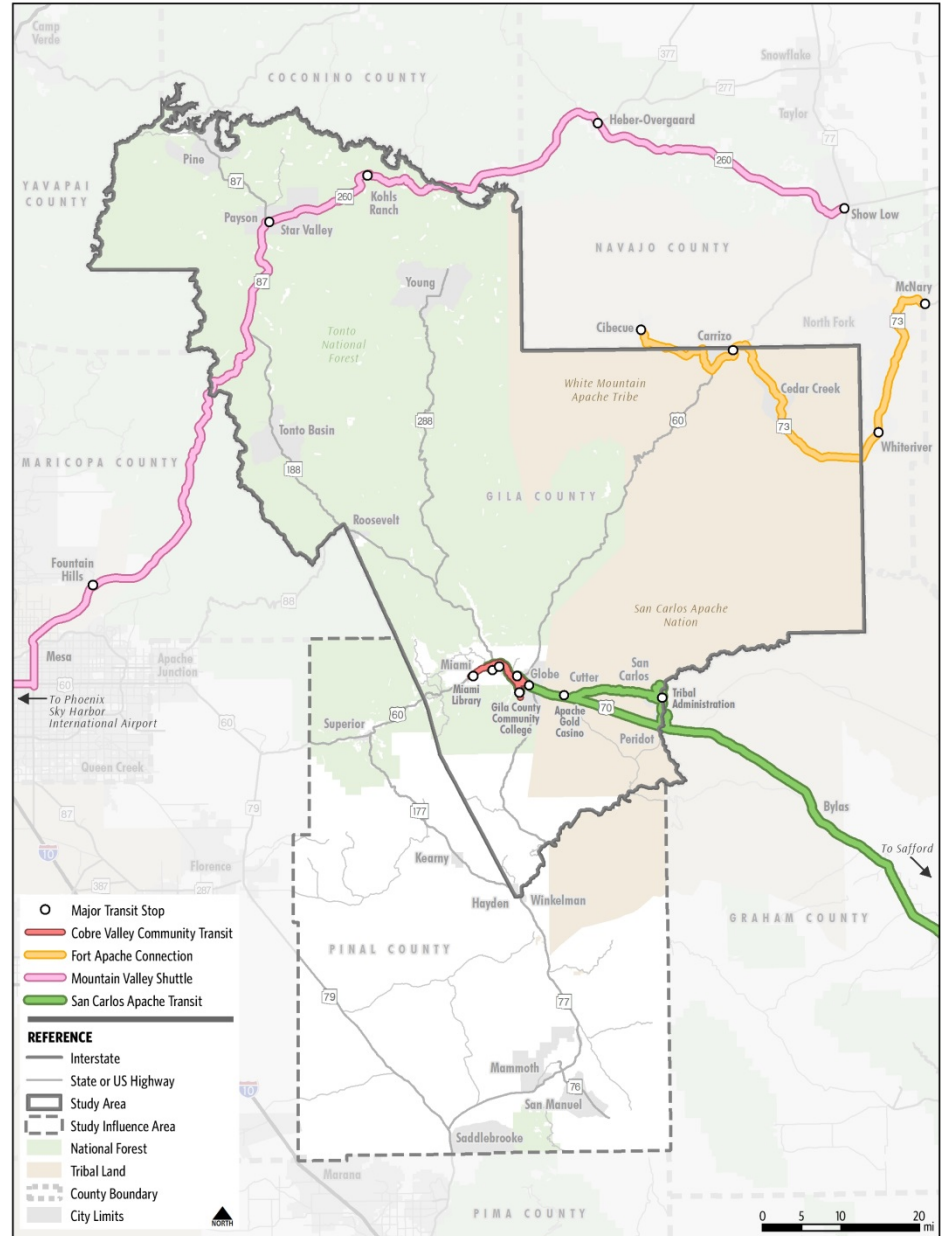
# Service Routes

## Mountain Valley Shuttle

- **Daily routes:** Show Low along SR 260 through Heber to Payson then South on SR 87 to Fountain Hills, Mesa, and Sky Harbor
- 11 Stops

## Fort Apache Connection

- Connects Cibecue to McNary along Indian Route 12, US 60, and SR 73
- 11 stops on two routes (Cibecue: 7 stops) (McNary: 5 stops) (share one stop)
- **Cibecue route:** Cibecue to Whiteriver (Tribal Executive Office)
- **McNary Route:** Tribal Executive Office (Whiteriver) to McNary
- **Operating Hours:**
  - 5:30 am to 8 am and 5 pm to 7:30pm



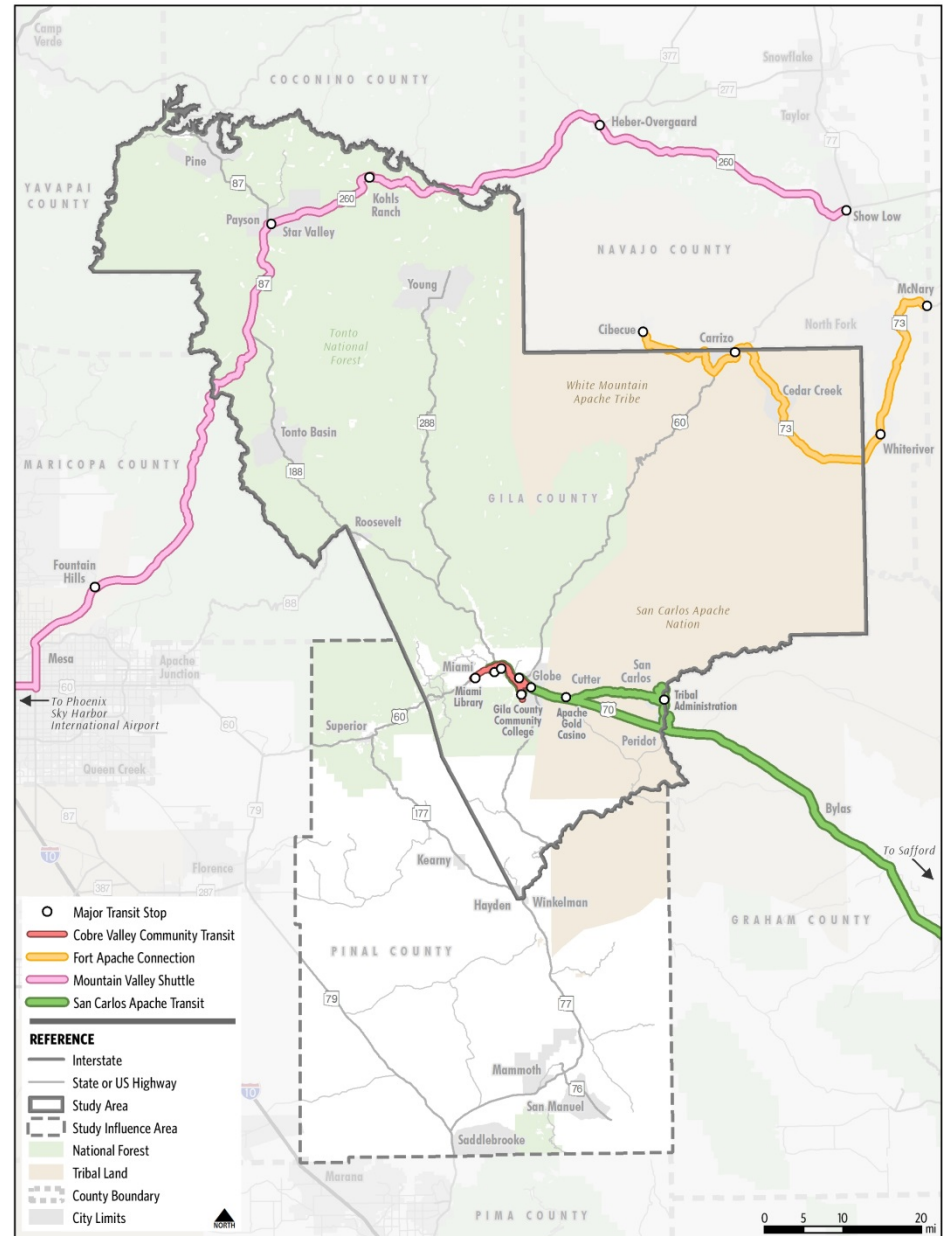
# Fort Apache Connection Transit



# Service Routes

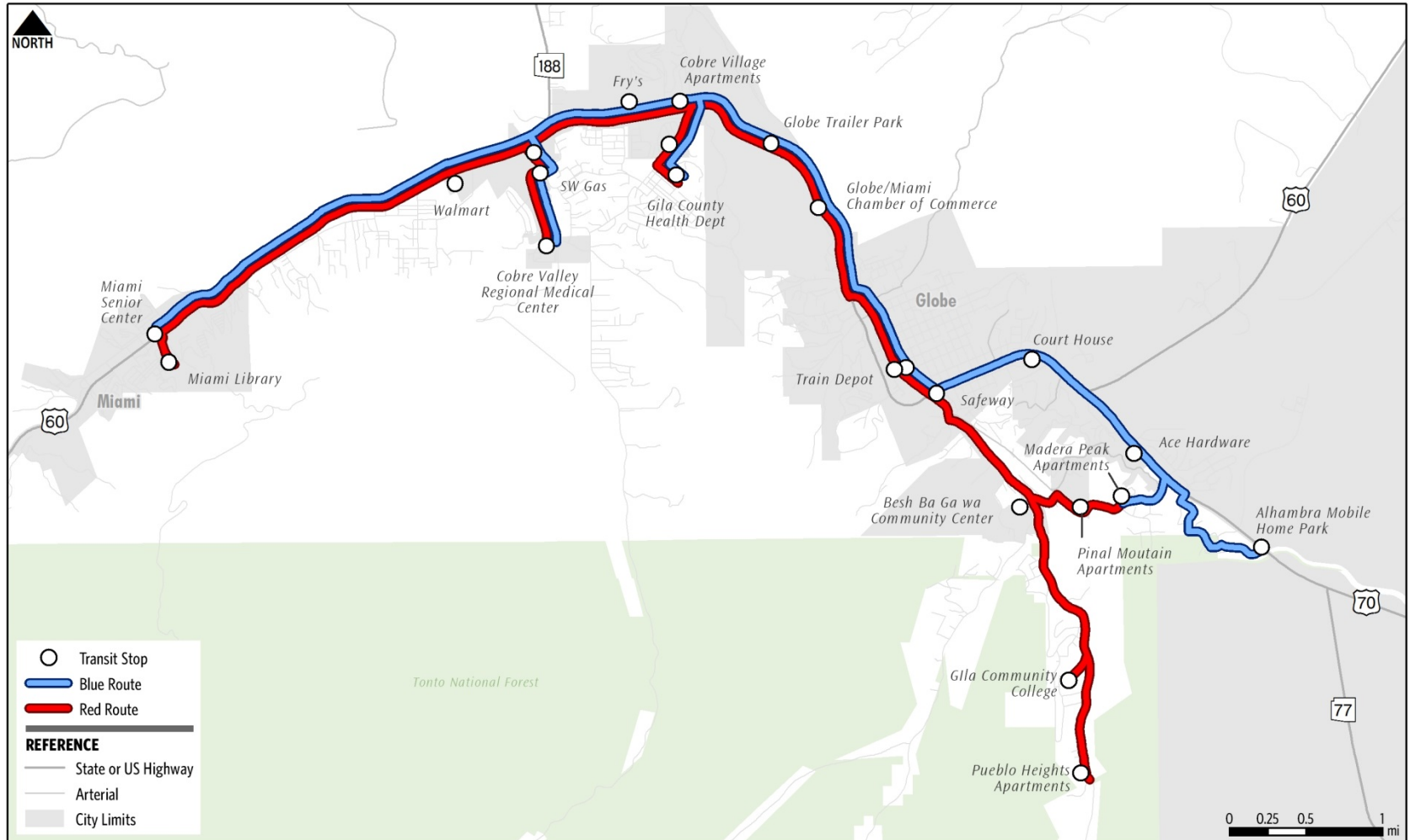
## Cobre Valley Transit

- **Two routes** (red and blue) between Miami and Globe
- Routes provide a loop (Red route goes EB and Blue route goes WB bound)
- **Operates:** Monday-Friday
- Connects to San Carlos Apache Transit at Walmart, Train Depot, and Gila Community College
- **Top destinations:** Walmart, Fry's, Hospital, Train Depot
- Also offers Dial-a-Ride





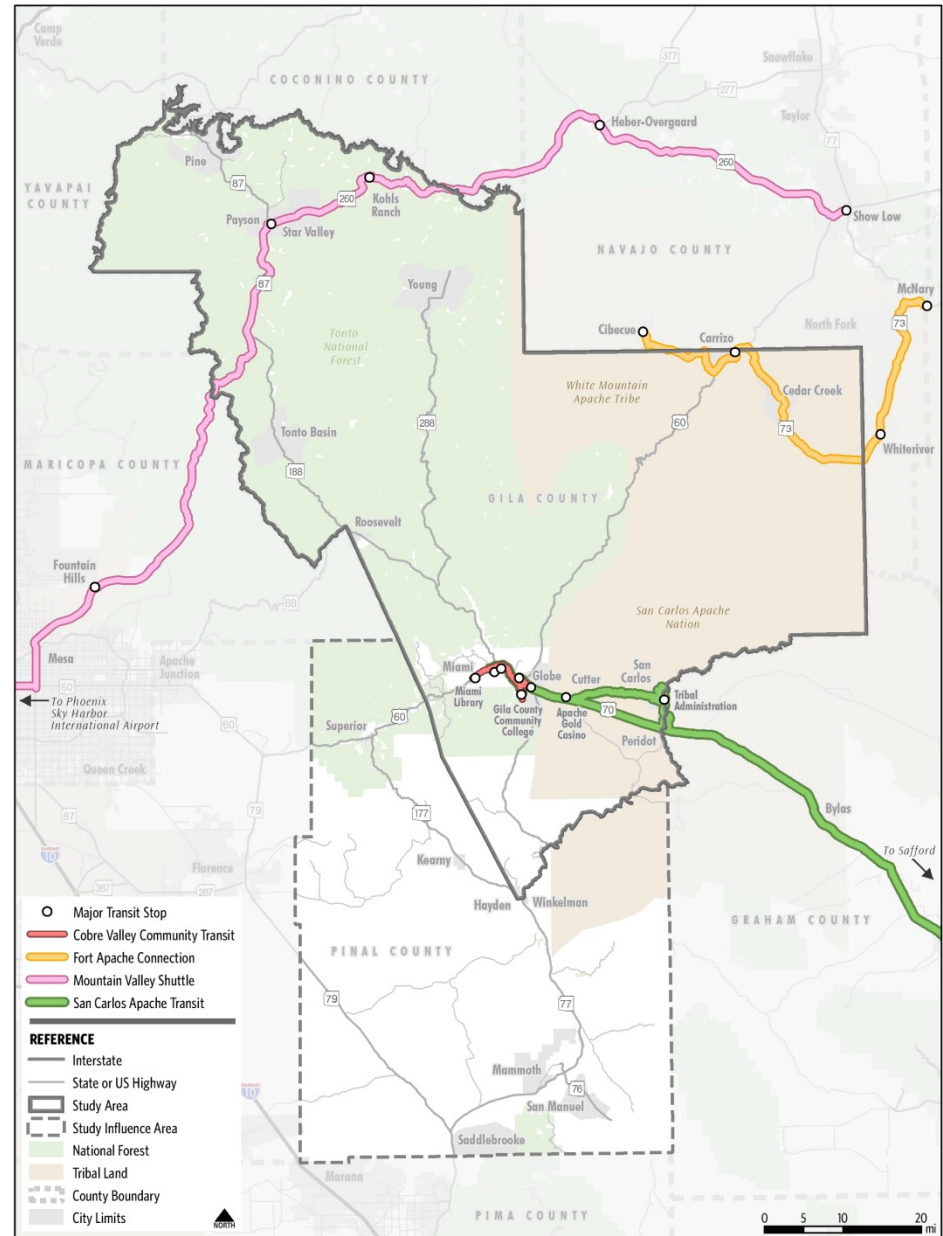
# Cobre Valley Transit



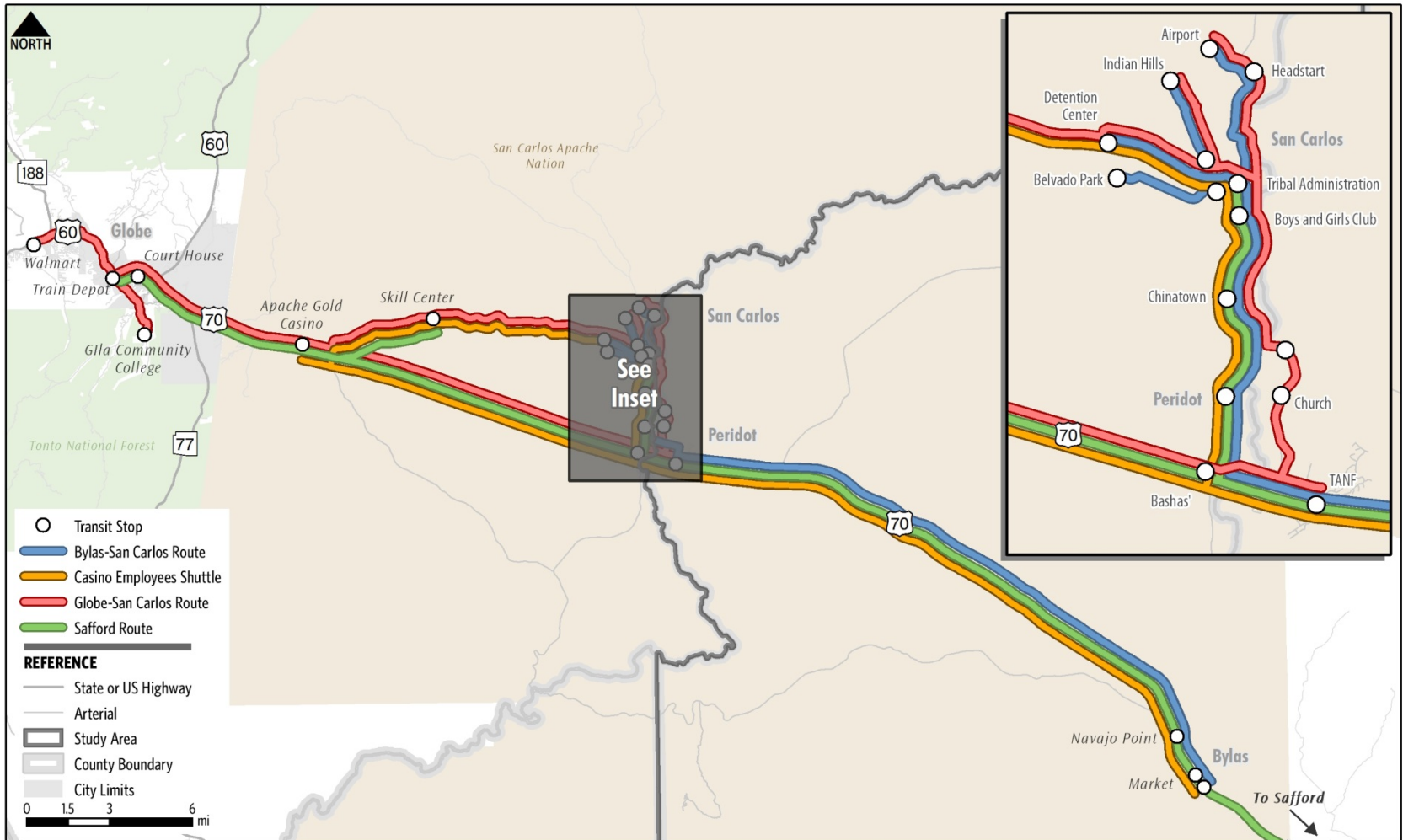
# Service Routes

## San Carlos Apache Transit

- 4 routes
- **Service Routes:** between Globe, San Carlos, Peridot, and Safford
- All routes meet in San Carlos
- **Top Destinations:** Safford Walmart, Casino, Globe Train Depot, Morenci Mines



# San Carlos Apache Transit

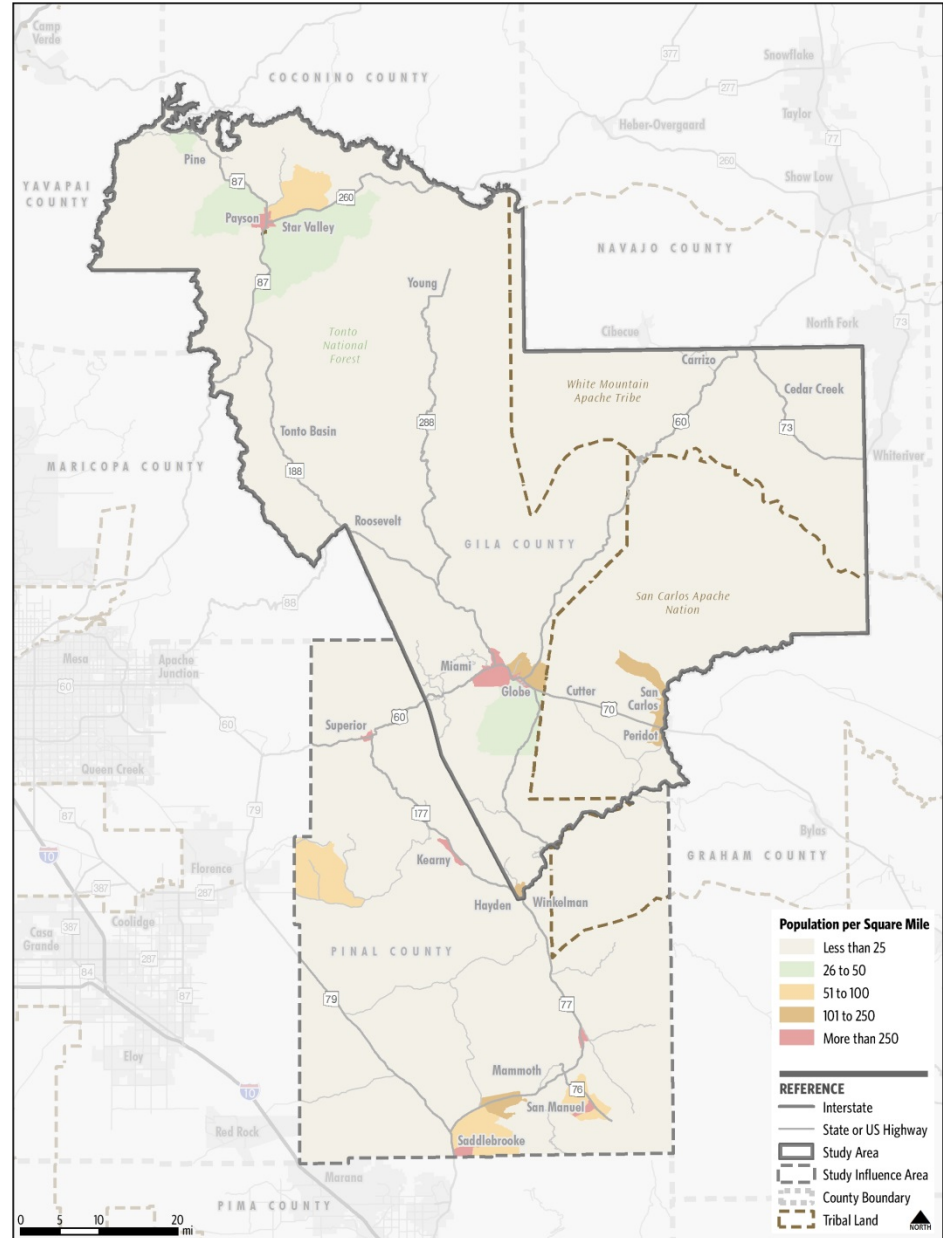


## Study Area Population

	Population
<b>Payson - Star Valley</b>	<b>17,338</b>
<b>Globe - Miami</b>	<b>9,482</b>
<b>San Carlos Apache Nation</b>	<b>10,512</b>
<b>Gila County</b>	<b>53,165</b>
<b>Study Influence Area</b>	<b>90,986</b>

Source: American Community Survey 2011-2015

- **Areas with highest population densities:** Payson-Star Valley and Globe-Miami
- **Areas with moderate population densities:** San Carlos-Peridot and Hayden-Winkelman

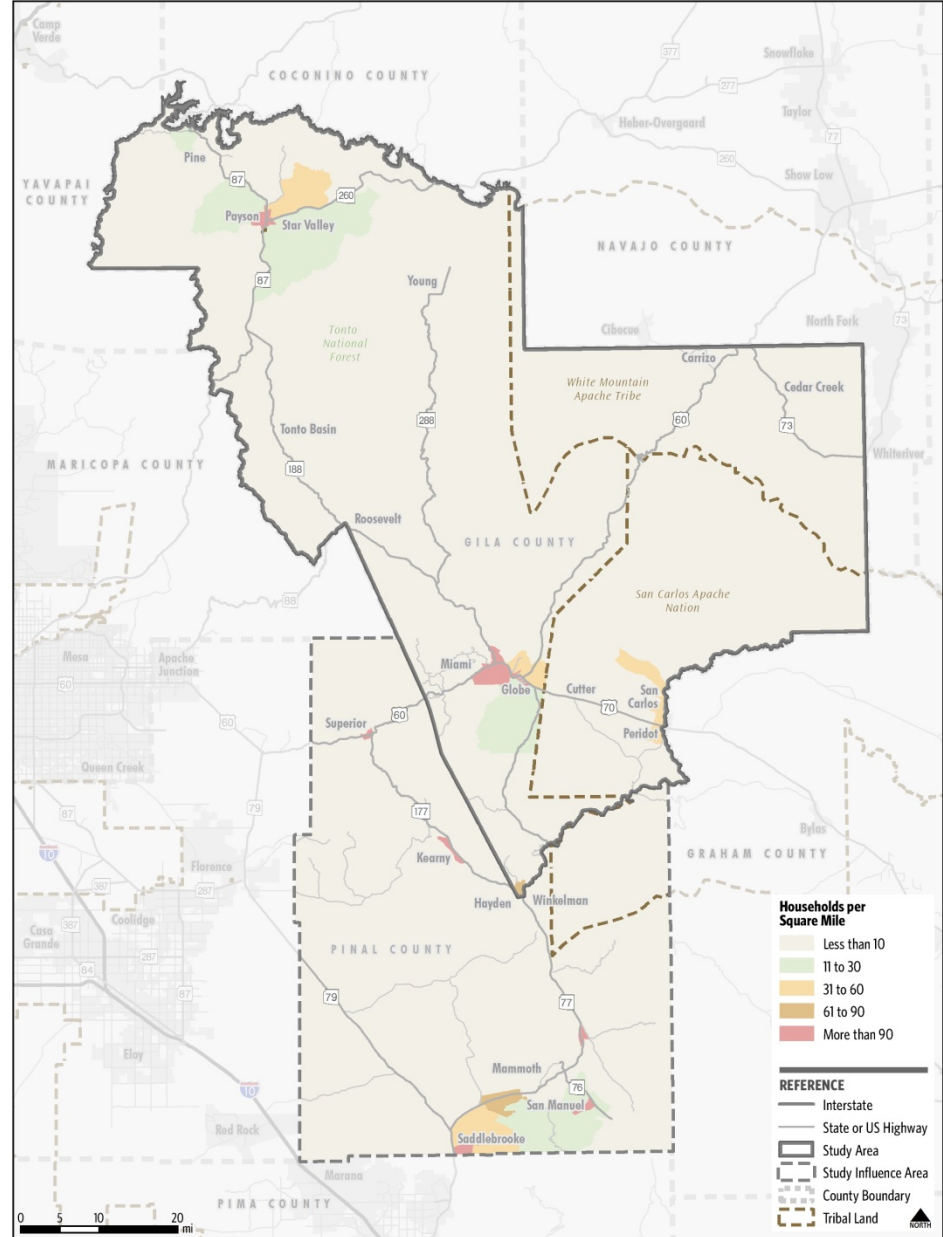


# Housing Units

	Total Housing Units	Occupied Housing Units	Percent Occupied
Payson - Star Valley	10,563	7,707	73%
Globe - Miami	4,344	3,633	84%
San Carlos Apache Nation	2,811	2,330	83%
Gila County	32,952	20,909	63%
<b>Study Influence Area</b>	<b>50,000</b>	<b>34,424</b>	<b>69%</b>

Source: American Community Survey 2011-2015

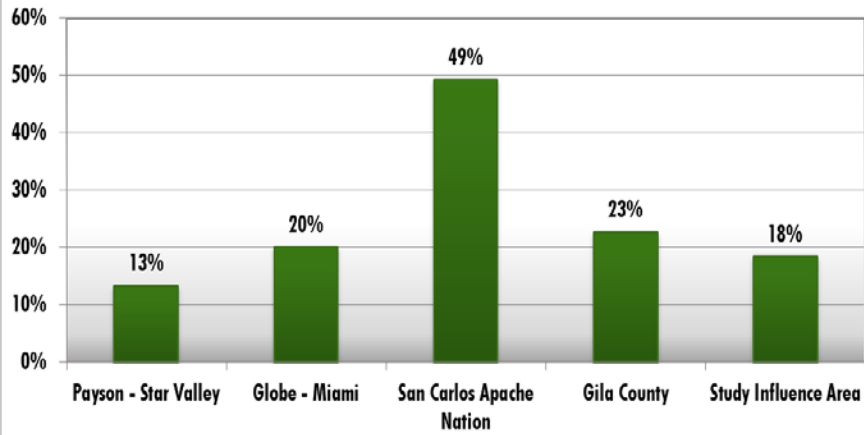
- **Areas with highest housing densities:** Payson, Globe-Miami, Hayden-Winkelman
- **Areas with moderate population densities:** Peridot and Star Valley



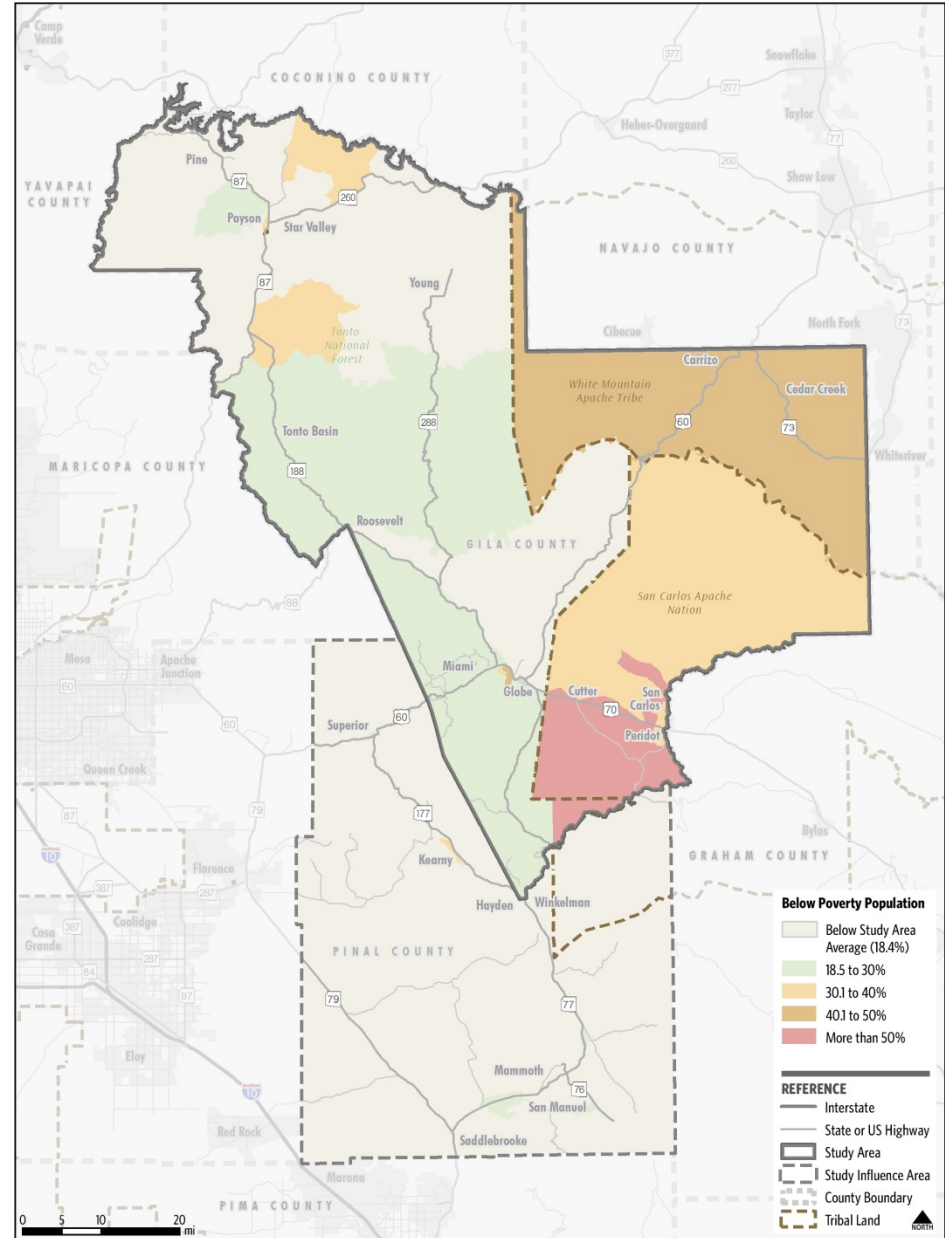
## Below Poverty Population

	Below Poverty	
	Population	Percent
<b>Payson - Star Valley</b>	<b>2,270</b>	<b>13%</b>
<b>Globe - Miami</b>	<b>1,828</b>	<b>20%</b>
<b>San Carlos Apache Nation</b>	<b>5,125</b>	<b>49%</b>
<b>Gila County</b>	<b>11,839</b>	<b>23%</b>
<b>Study Influence Area</b>	<b>15,672</b>	<b>18%</b>

Source: American Community Survey 2011-2015



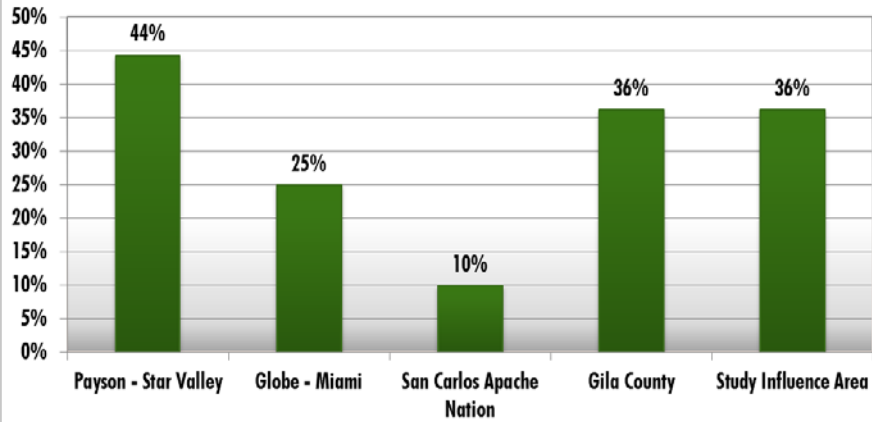
- **Arizona Average: 18.2%**
- **Nationwide Average: 15.5%**



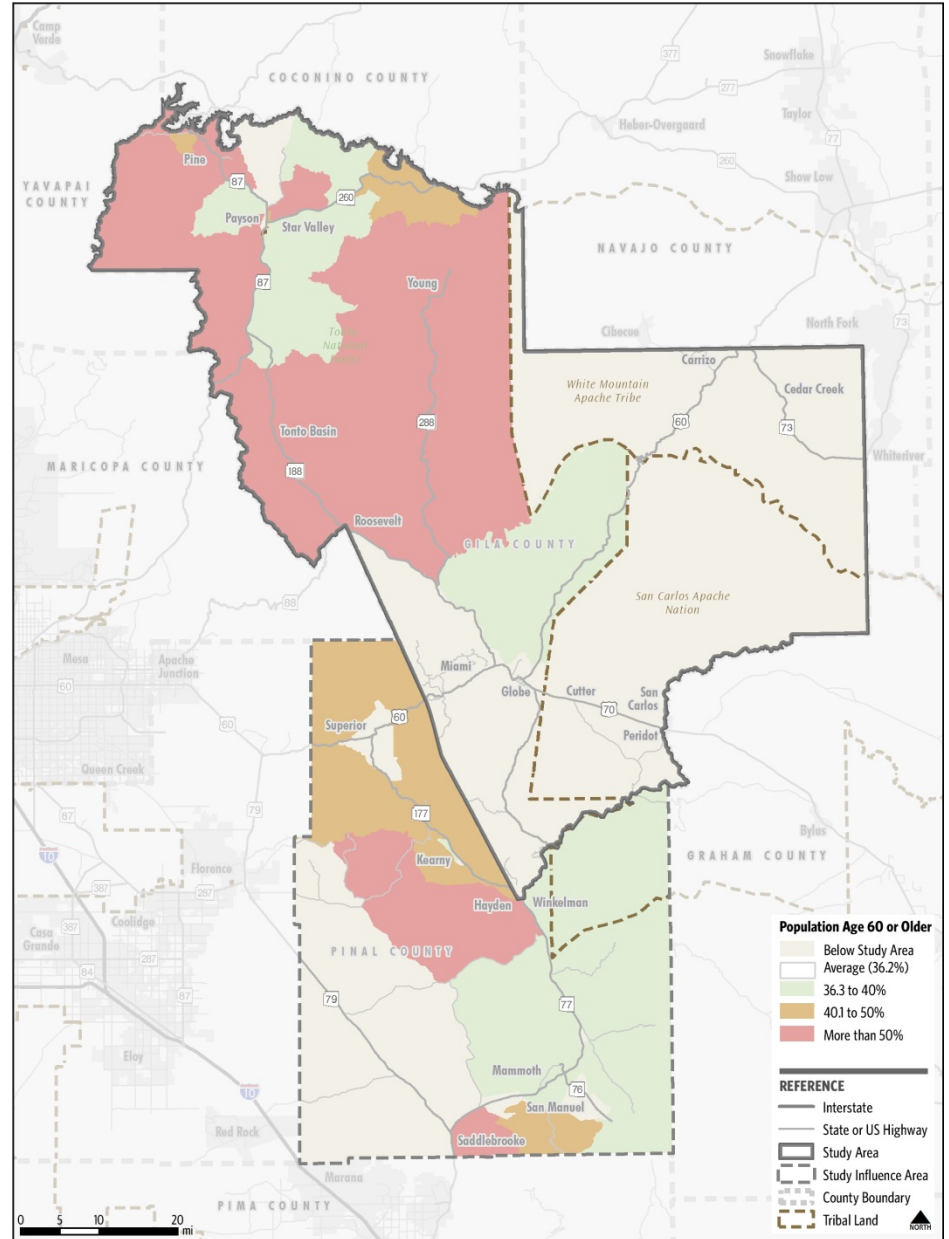
## Elderly Population

	Age 60 and Older	Percent
Payson - Star Valley	7,671	44%
Globe - Miami	1,033	25%
San Carlos Apache Nation	1,042	10%
Gila County	17,627	36%
<b>Study Influence Area</b>	<b>32,861</b>	<b>36%</b>

Source: American Community Survey 2011-2015



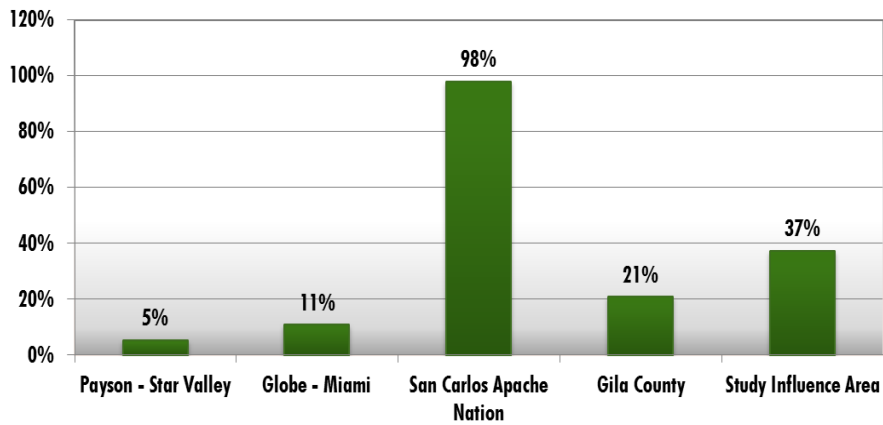
- **Arizona Average: 21.1%**
- **Nationwide Average: 19.9%**



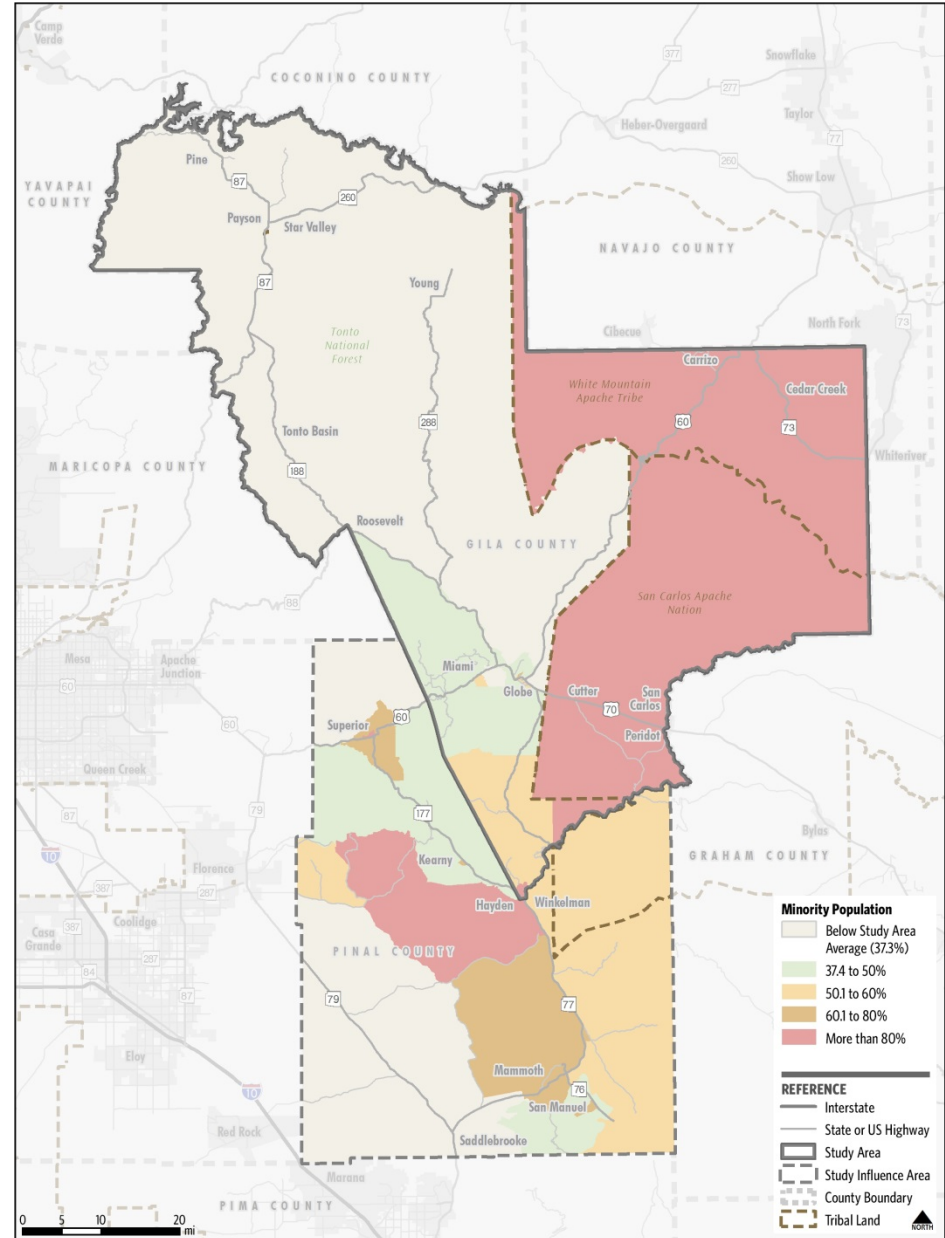
## Minority Population

	Minority Population	Percent
Payson - Star Valley	924	5%
Globe - Miami	1,033	11%
San Carlos Apache Nation	10,304	98%
Gila County	11,088	21%
<b>Study Influence Area</b>	<b>33,944</b>	<b>37%</b>

Source: American Community Survey 2011-2015



- **Arizona Average: 43.5%**
- **Nationwide Average: 37.7%**

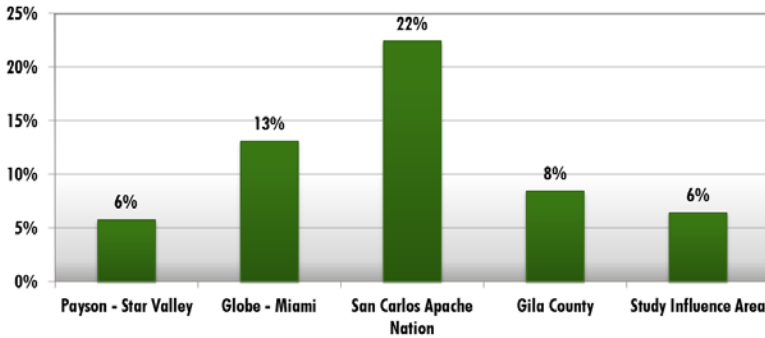




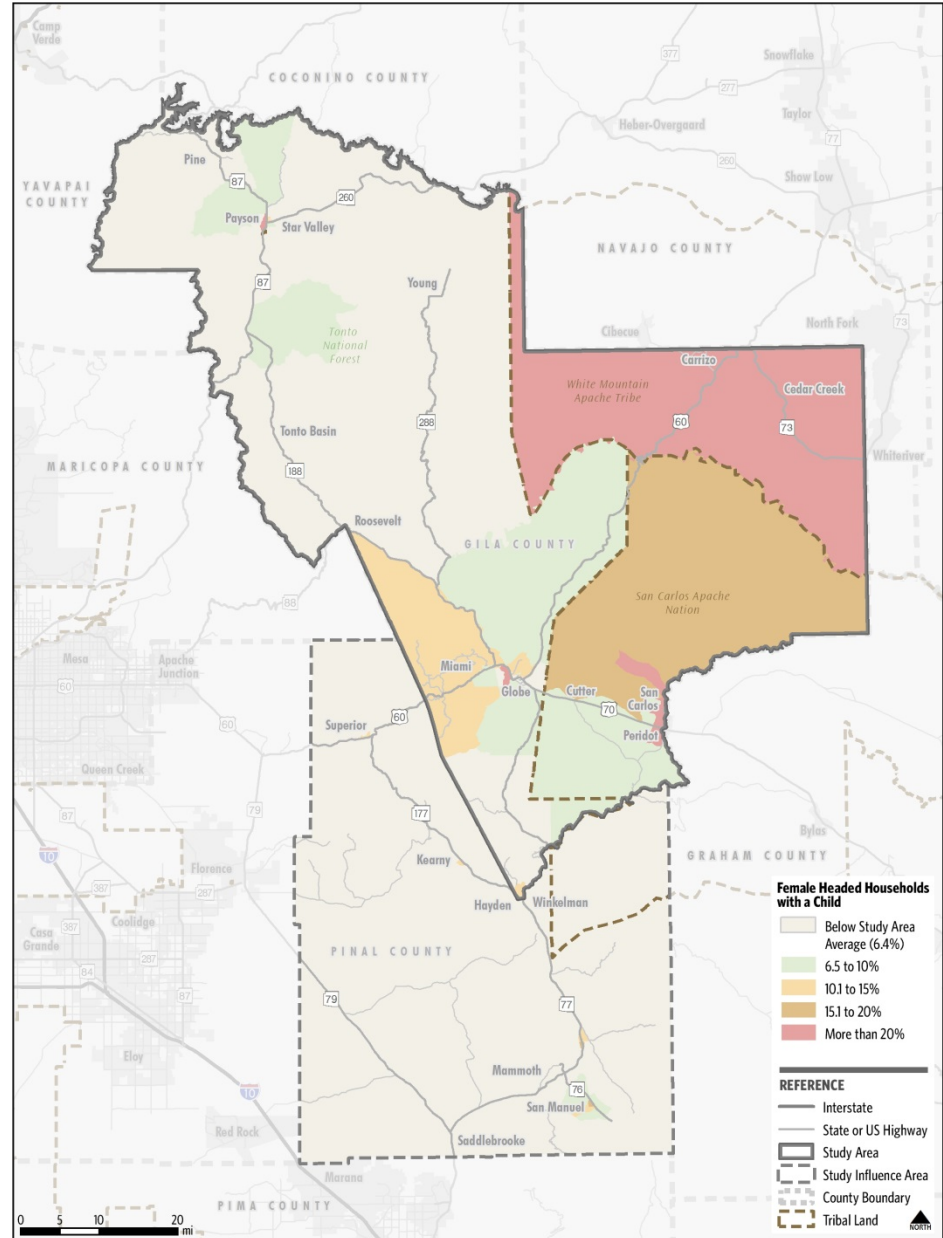
# Female Headed Households With Children Present and No Husband

	Female Headed Households	Percent
Payson - Star Valley	444	6%
Globe - Miami	475	13%
San Carlos Apache Nation	522	22%
Gila County	1,767	8%
<b>Study Influence Area</b>	<b>2,219</b>	<b>6%</b>

Source: American Community Survey 2011-2015



- **Arizona Average: 8.6%**
- **Nationwide Average: 8.3%**

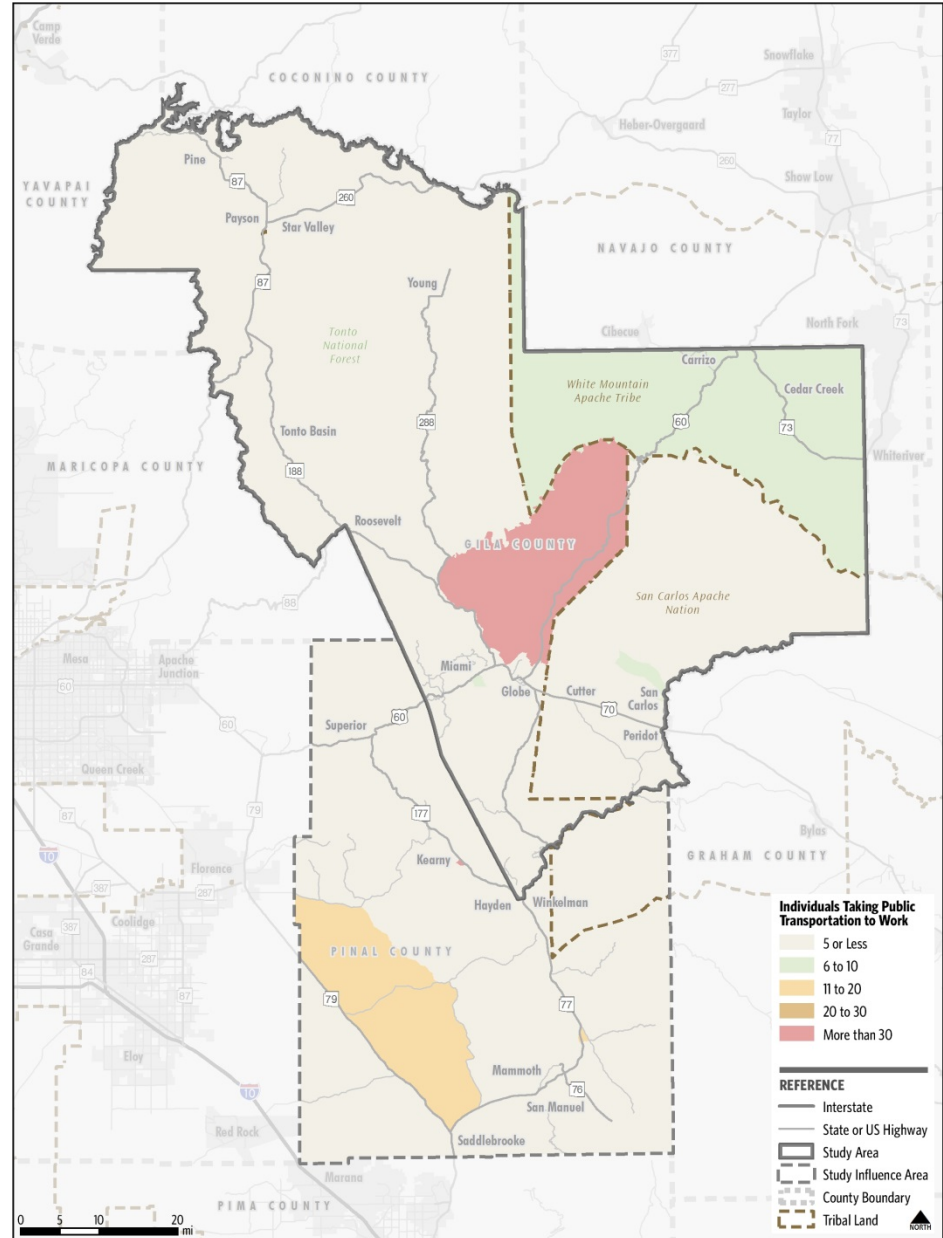


## Transportation to Work

	Payson - Star Valley	Globe - Miami	San Carlos Apache Nation	Gila County
<b>Drove alone</b>	<b>4,626</b>	<b>3,010</b>	<b>1,503</b>	<b>13,560</b>
<b>Carpooled</b>	<b>496</b>	<b>535</b>	<b>343</b>	<b>2,003</b>
<b>Public transportation</b>	<b>0</b>	<b>10</b>	<b>41</b>	<b>70</b>
<b>Bicycle</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>19</b>
<b>Walked</b>	<b>15</b>	<b>198</b>	<b>172</b>	<b>547</b>
<b>Worked at home</b>	<b>365</b>	<b>83</b>	<b>86</b>	<b>845</b>
<b>Other</b>	<b>74</b>	<b>106</b>	<b>143</b>	<b>379</b>

Source: American Community Survey 2011-2015

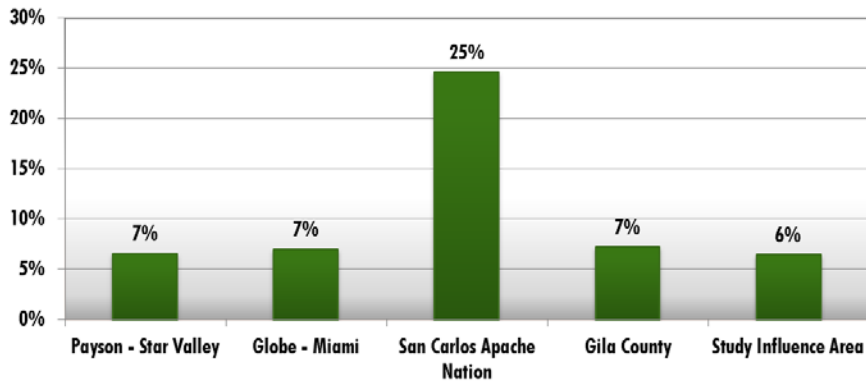
- Significant percentage of people does not use transit as a means of transportation to work
- **High current transit use include:**
  - San Carlos Apache Nation
  - Globe



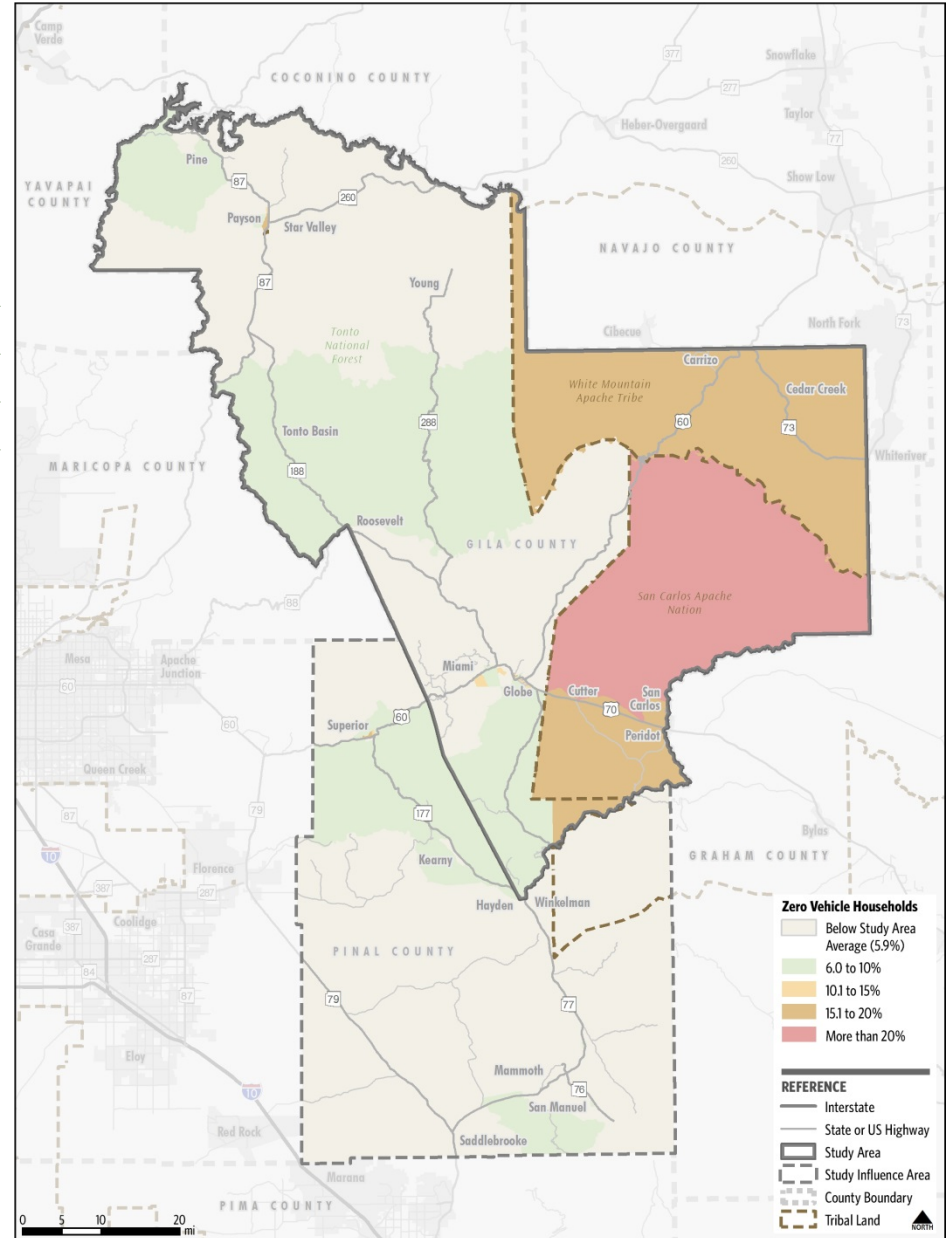
## Zero Vehicle Households

	Household with No Vehicles	
	Present	Percent
<b>Payson - Star Valley</b>	<b>507</b>	<b>7%</b>
<b>Globe - Miami</b>	<b>254</b>	<b>7%</b>
<b>San Carlos Apache Nation</b>	<b>574</b>	<b>25%</b>
<b>Gila County</b>	<b>1,507</b>	<b>7%</b>
<b>Study Influence Area</b>	<b>2,031</b>	<b>6%</b>

Source: American Community Survey 2011-2015



- **Arizona Average: 6.9%**
- **Nationwide Average: 9.1%**

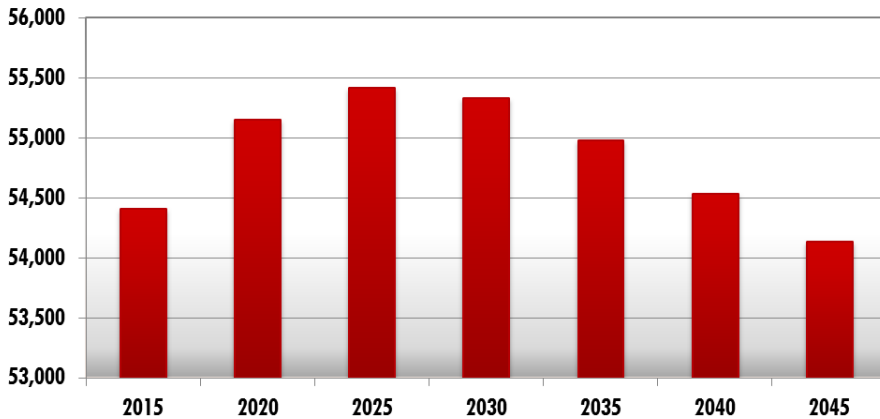


# Population Projections

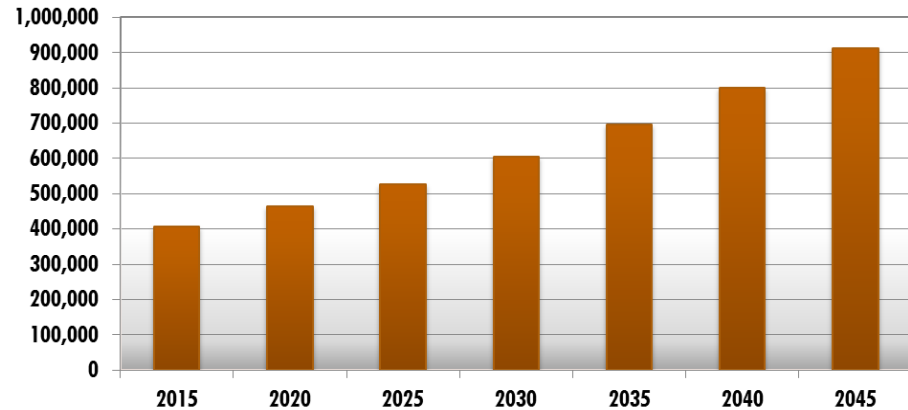
Population Projections	Gila County		Pinal County	
	Population	% Change	Population	% Change
2015	54,406	1.4%	406,468	14.0%
2020	55,145	0.5%	463,463	13.9%
2025	55,416	-0.2%	527,859	14.6%
2030	55,327	-0.6%	604,767	15.2%
2035	54,976	-0.8%	696,739	14.9%
2040	54,531	-0.7%	800,707	14.9%
2045	54,134		913,287	14.1%

Source: Arizona Office of Economic Opportunity

## Gila County



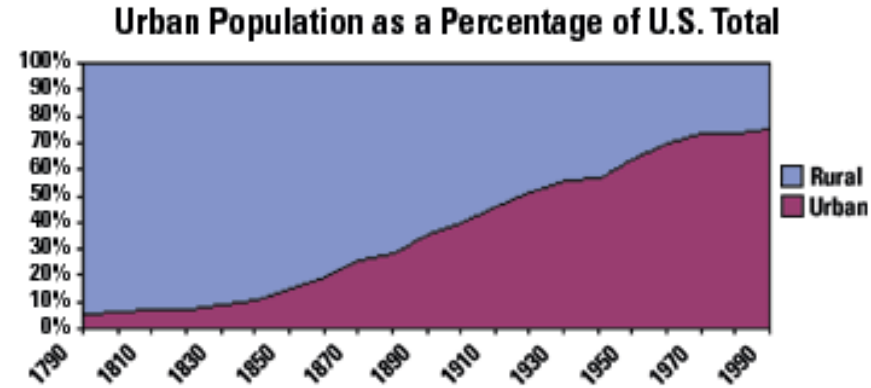
## Pinal County



# **Transit Trends, Benefits, Challenges & Opportunities**

# Rural Transit Trends

- Nation is urbanizing
- Arizona one of the most urbanized states
- Rural America older and more poverty-stricken than in 1980
  - Younger adults migrating to urban areas
  - Contain disproportionately high numbers of seniors
  - Health care transportation primary mode

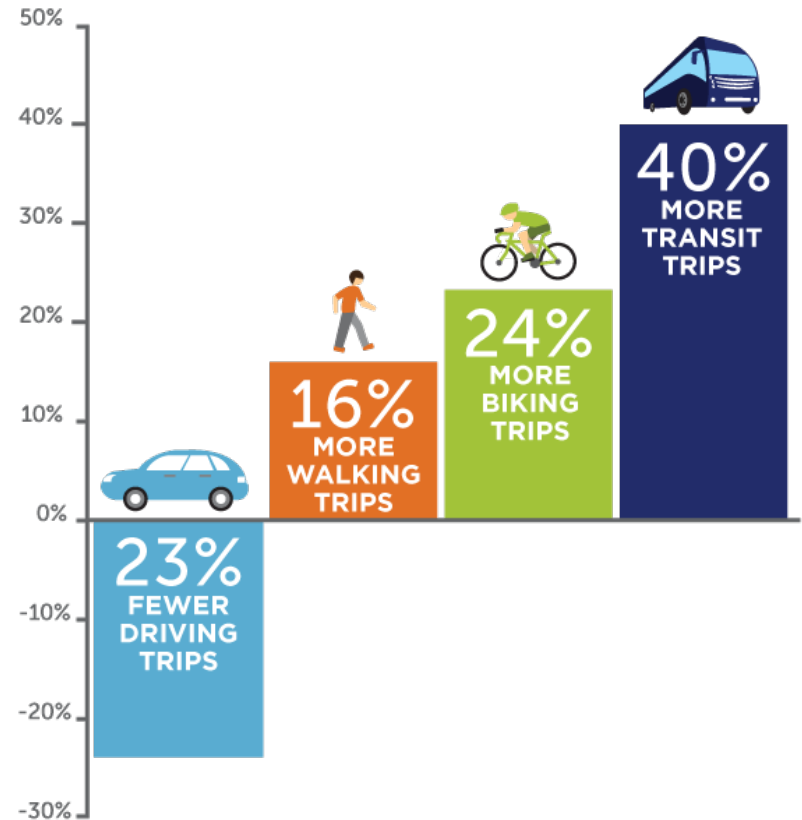


# Rural Transit Trends

- Nature of rural areas rapidly changing
  - 60 percent of the nation's rural population lives in areas directly adjacent to urban regions
  - self-contained small towns have been replaced by a more regional structure
- Intercity transportation options in rural America are declining
  - Tribal areas seek to build transit systems and infrastructure to meet their citizens' growing mobility demands

# Millennials are Traveling Differently

- Millennials are willing to rely upon non-driving modes of transportation more heavily if presented with good options
- Sees public transportation as a means of socializing (digitally)
- Thinks public transportation offers a good “community” feel
- Millennials care about the environment and attribute public transportation to a better environment



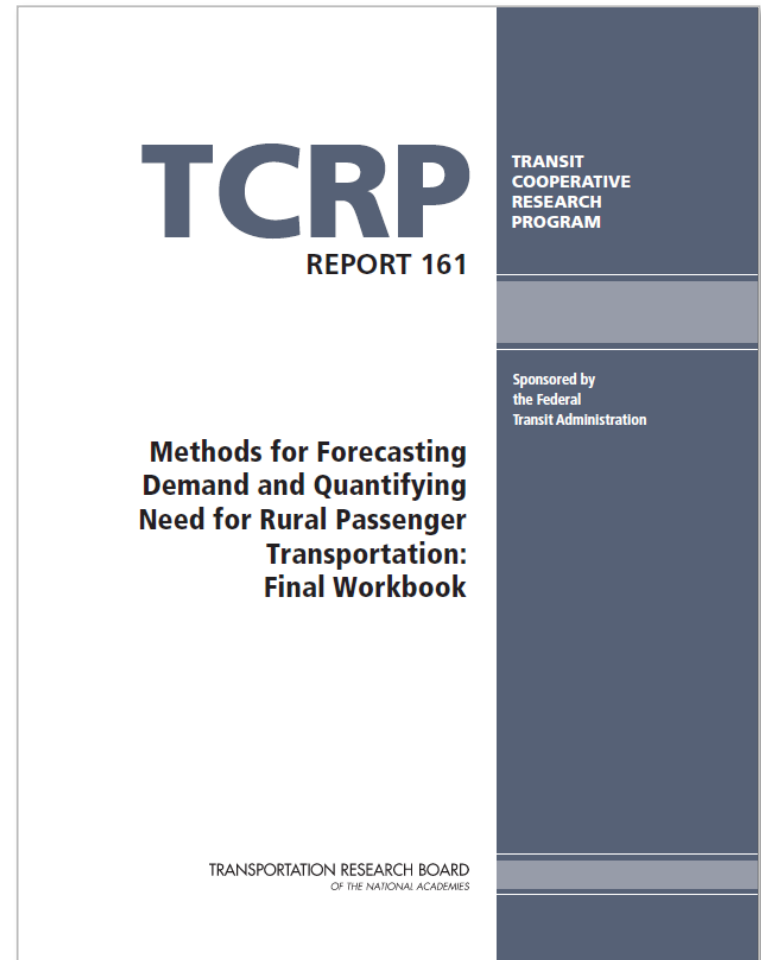


# Rural Transit Challenges and Opportunities

- Internet, GIS combine to facilitate access to services
  - Riders can use phone applications to learn of upcoming departures and plan accordingly
- Rise of On-Demand Mobility
  - Need to explore the potential for more “micro-transit” in rural areas
- Renewed Private Sector interest in Transit
  - Potential for public-private partnerships

# Transit Needs and Demand

- Identify the need for public transit services and annual ridership (i.e. demand)
- Analysis includes:
  - Number of people likely to need passenger transportation
  - Number of person trips required by individuals without personal vehicles



# Number of Persons Likely to Need Passenger Service

Persons residing in households with income below the poverty level



Persons residing in households owning no automobile



Total persons in need of passenger transportation service

TCRP Report 161 Variable	Gila County	Globe-Miami	Payson-Star Valley	San Carlos Apache Tribe
Persons residing in households with income below the poverty level	11,839	1,828	2,270	5,125
Persons residing in households owning no automobile	2,994	462	928	1,466
<b>Total persons in need of passenger transportation service</b>	<b>14,800</b>	<b>2,300</b>	<b>3,200</b>	<b>6,600</b>

American Community Survey Tables B17001 and B08201, 2011-2012 5-Year Estimates  
 Transit Cooperative Research (TCR) Program Report 161 – Method for Forecasting Demand  
 and Quantifying Need for Rural Passenger Transportation

# Person Trips

$$\begin{array}{ccccc}
 \text{Number of} & & & & \\
 \text{Households having} & \times & \text{Mobility Gap} & = & \text{Need (one-way} \\
 \text{No Car} & & \text{(0.80)} & & \text{trips per day)}
 \end{array}$$

- **Mobility gap:** difference between # of trips per day made by persons with one person vehicles and those that do not own a vehicle
- **Mobility gap:** based on *2009 National Household Travel Survey*
- Estimate of need using the mobility gap method is typically greater than the number of trips actually observed on rural passenger transportation systems
- Much of the remaining trip-based mobility gap is likely filled by friends and relatives

# Person Trips

**Number of Households having No Car**  **Mobility Gap (0.80)**  **Need (one-way trips per day)**

TCRP Report 161 Variable	Gila County	Globe-Miami	Payson-Star Valley	San Carlos Apache Tribe
Total Households without Access to Auto	1,507	254	507	574
Arizona Trips Per Capita On Transit	0.80			

**Total Transit Need**

Daily One Way Trip	1,210	200	410	460
Annual One-Way Transit Trips	363,000	60,000	123,000	138,000

*American Community Survey Tables B17001 and B08201, 2011-2012 5-Year Estimates  
 Transit Cooperative Research (TCR) Program Report 161 – Method for Forecasting Demand  
 and Quantifying Need for Rural Passenger Transportation*

# Transit Demand



TCRP Report 161 Variable	Gila County	Globe-Miami	Payson-Star Valley	San Carlos Apache Tribe
Population Age 60 and Older	17,627	2,362	7,671	1,042
Mobility Limited population age 18 to 64	1,586	150	589	208
Residents of households having no vehicle	2,994	462	928	1,466
<b>Non-program related passenger transportation demand</b>	<b>51,600</b>	<b>6,700</b>	<b>21,400</b>	<b>5,600</b>

American Community Survey Tables B01001, B17001 and B08201, 2011-2012 5-Year Estimates  
 Transit Cooperative Research (TCR) Program Report 161 – Method for Forecasting Demand and Quantifying  
 Need for Rural Passenger Transportation

# Commuter Demand

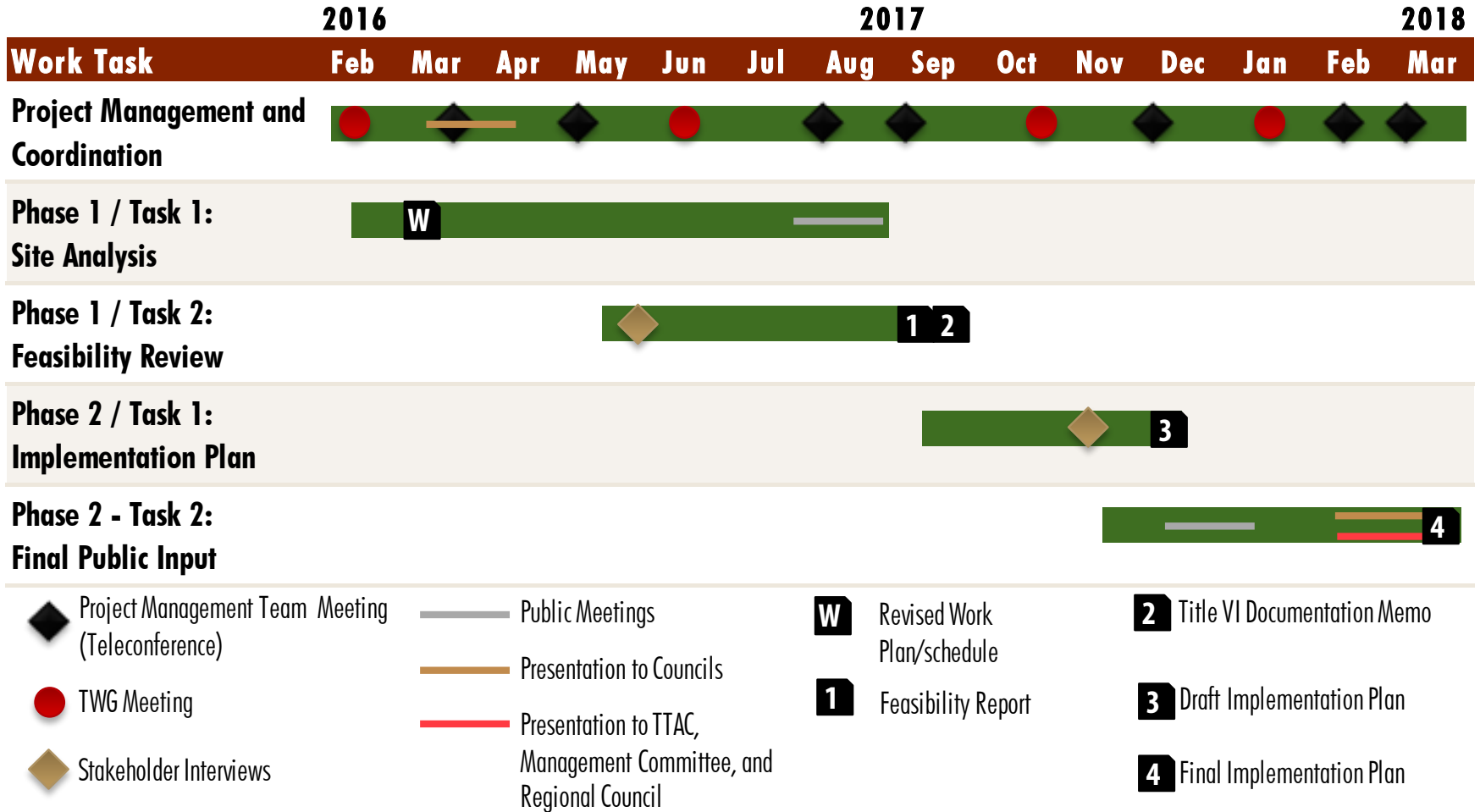
- Utilizing results of the upcoming travel survey, commuter can be identified



# Public Outreach Discussion



# Schedule and Timeline of Milestones



*Thank  
you.*

*Bernadette and  
the San Carlos  
Apache Tribe  
for your  
hospitality*