

# Data & Analysis with the TRP Data

Population Technical Advisory Committee  
January 26<sup>th</sup>, 2016

# Maricopa County Trip Reduction Program

## ■ Goal

- Reduce single occupant vehicle (SOV) trips and/or miles
- **Annual commute survey of employer and school sites**
- Results of survey used to develop an annual plan

## ■ Uses

- MAG Employer Database
- Valuable Analysis Benefits
  - Age and Occupation statistics
  - Commute patterns
    - Distance/location
    - Mode

## ■ Limitation

- Very small sample sizes in some areas
- **Only Includes Employers with 50+ Employees**



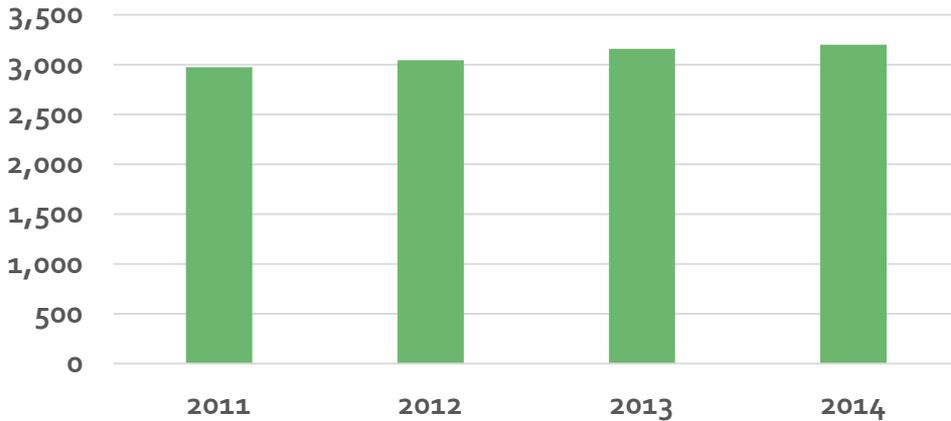
TRP Survey Size	2013	2014
# of Employers Surveyed	3,159	3,200
# of Employees Surveyed	502,500	477,082



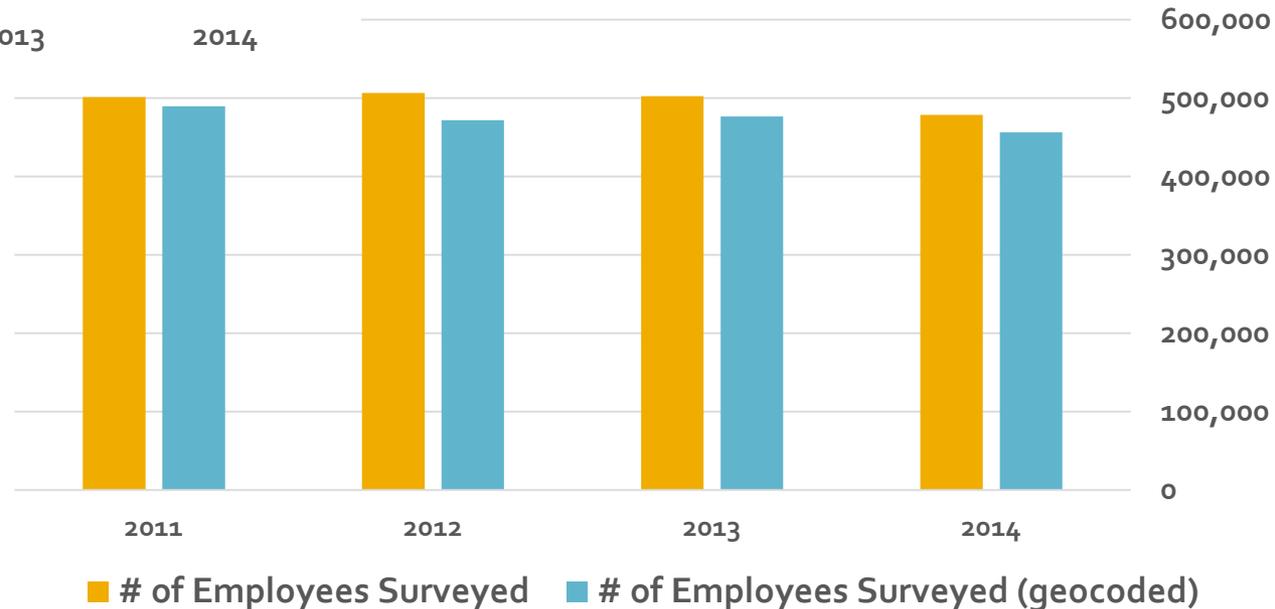
# Survey Sizes

## Consistently close to 500,000

### # of Businesses Surveyed

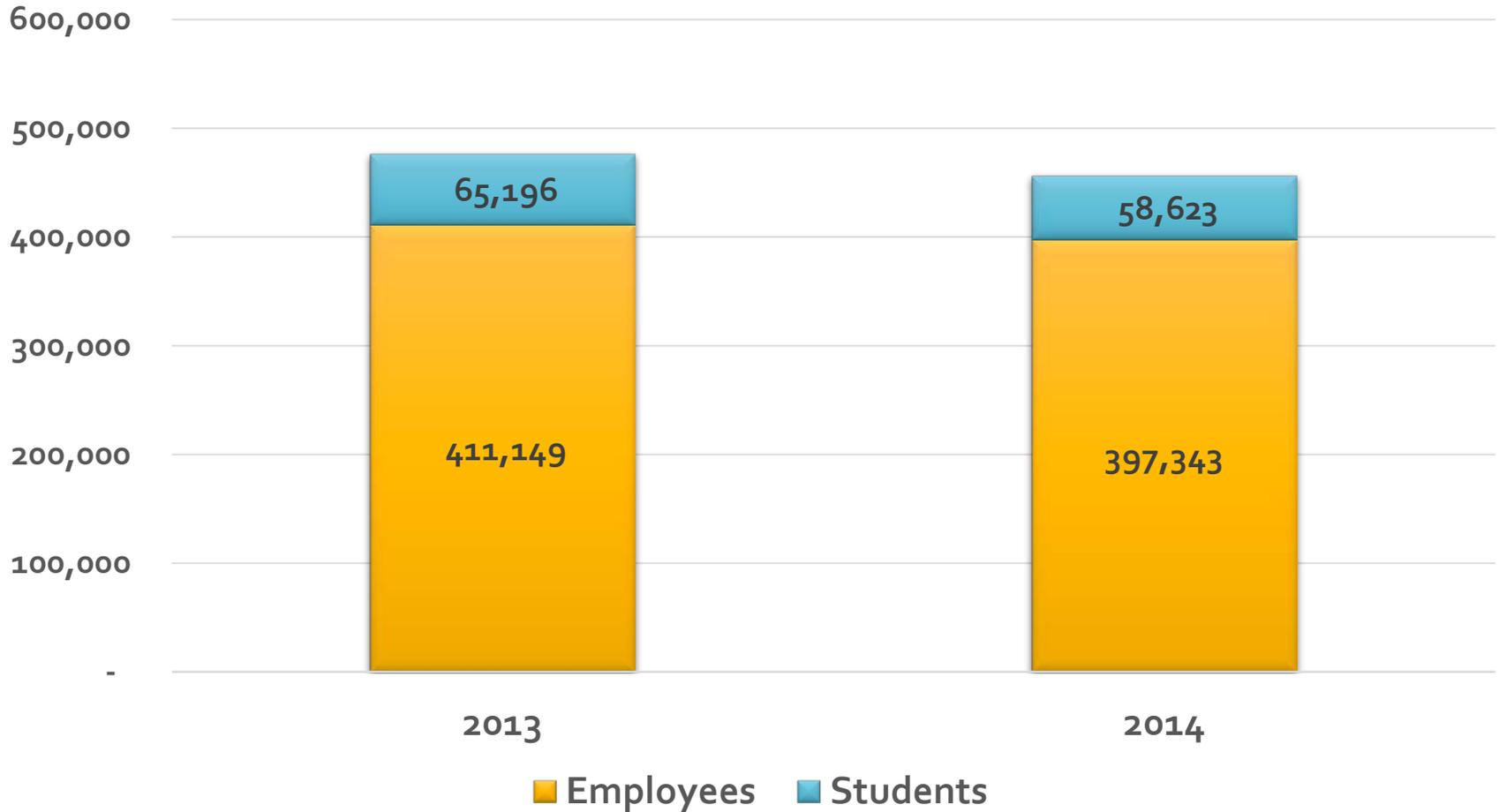


### # of Employees Surveyed



Approximately 95%  
of surveys geocode  
each year

# Employees vs. Students Surveys

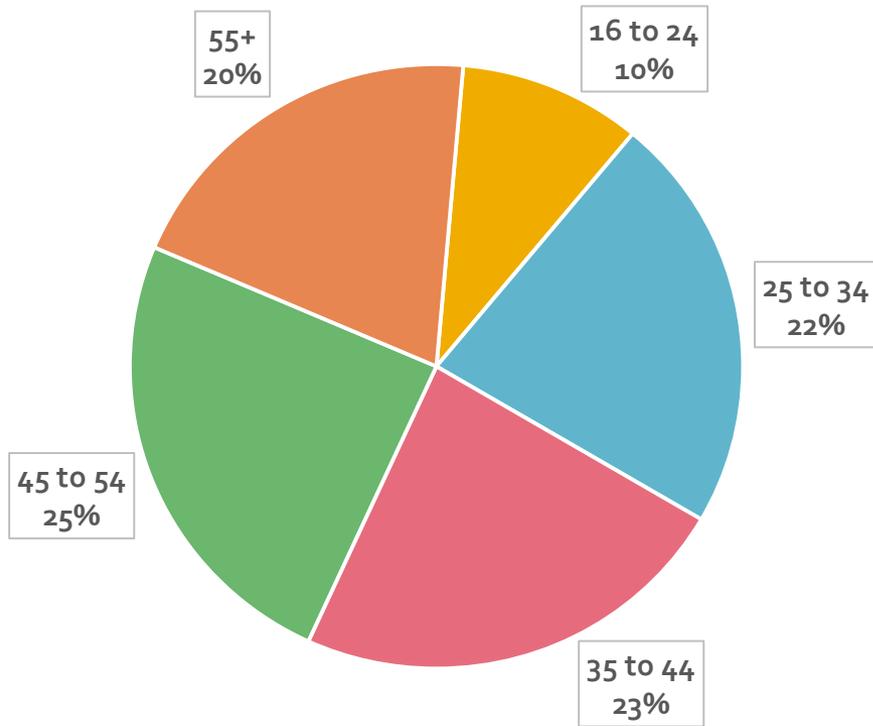


# Examples of Analysis

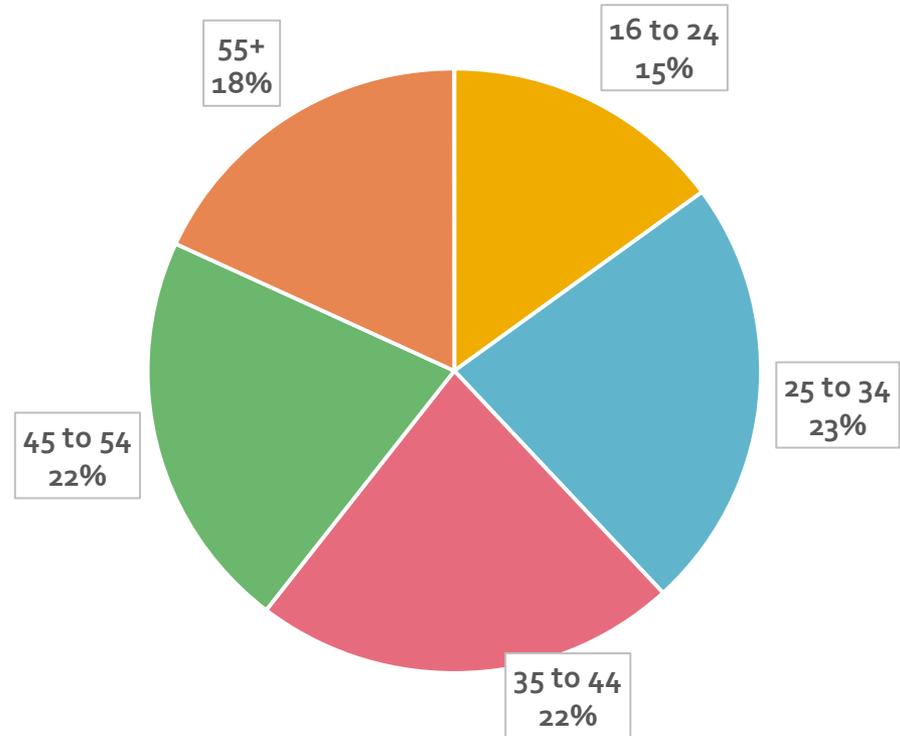
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# Age Comparison with Census

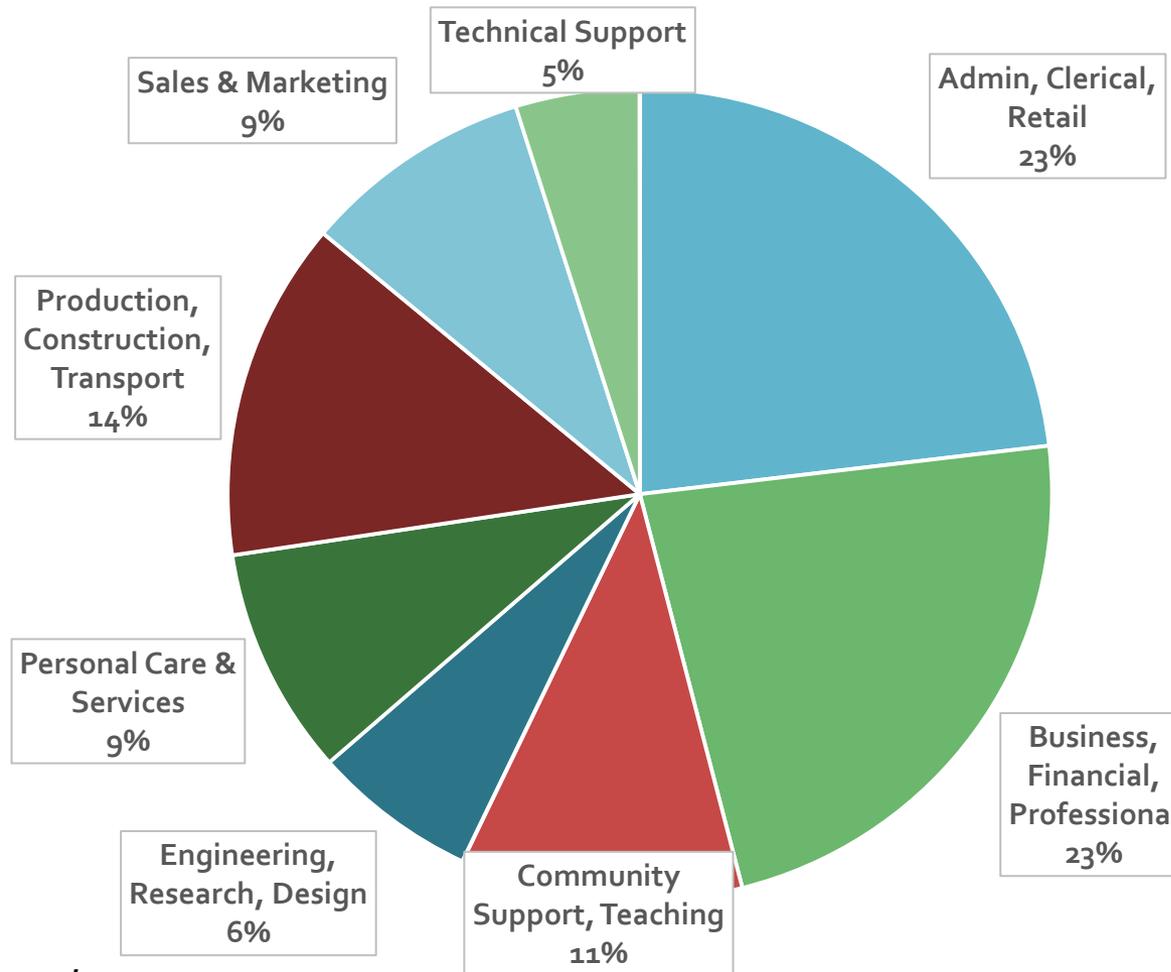
## TRP 2014



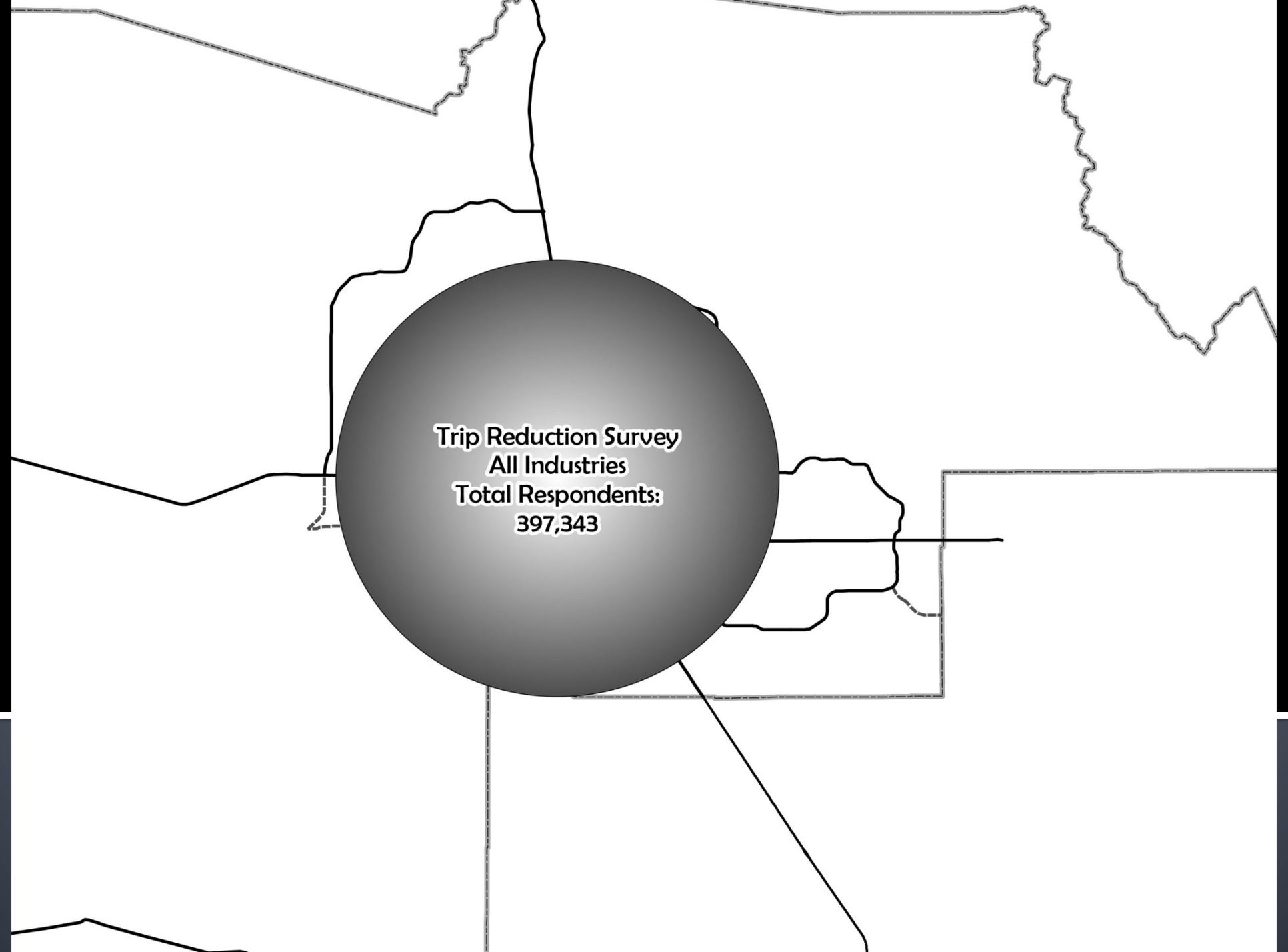
## Census ACS 2014 Labor Force



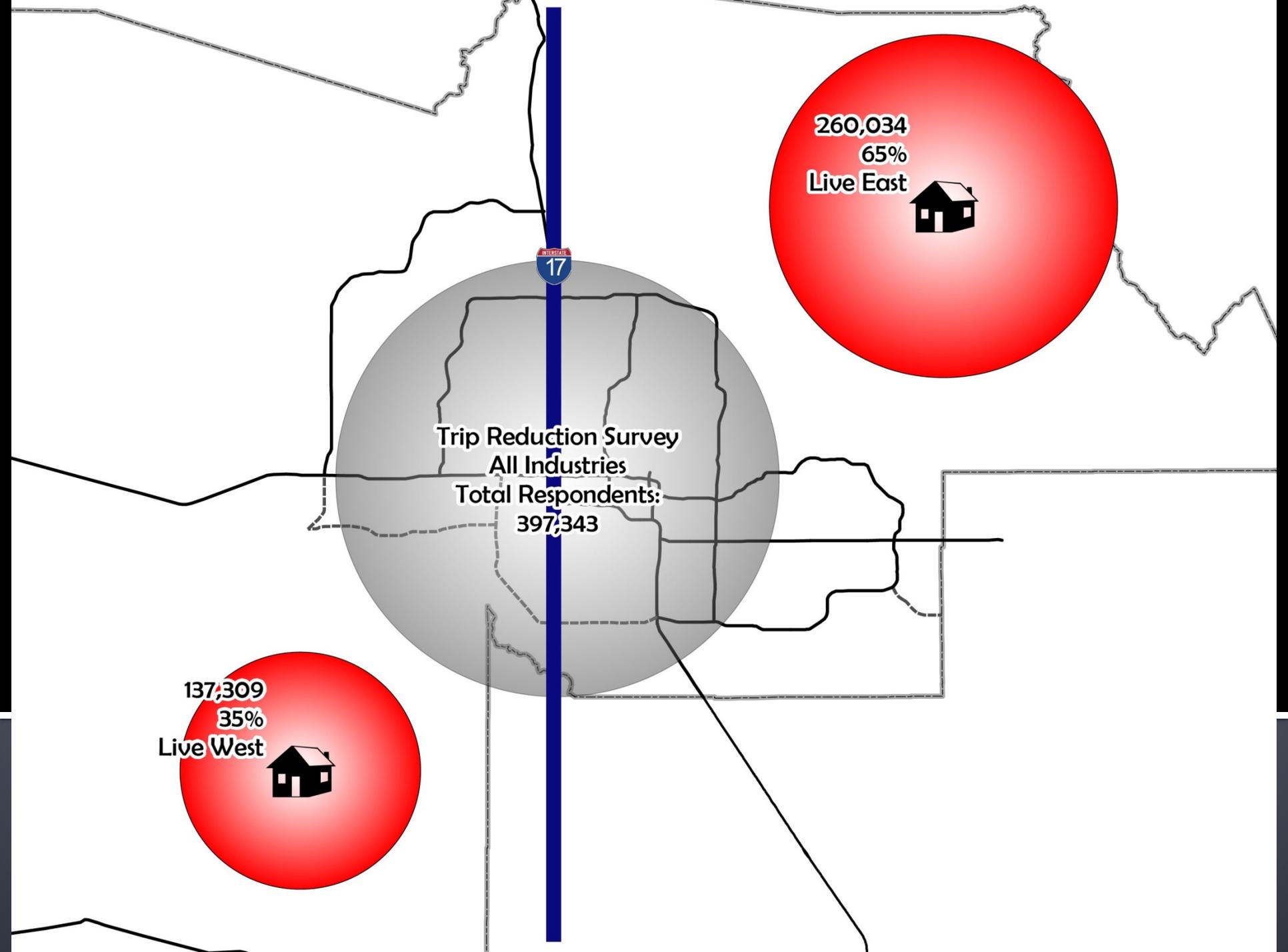
# Occupational Analysis



*Not all respondents  
disclosed an occupation*



**Trip Reduction Survey**  
**All Industries**  
**Total Respondents:**  
**397,343**



260,034

65%

Live East



Trip Reduction Survey  
All Industries  
Total Respondents:  
397,343

137,309

35%

Live West



92,803  
23%  
Work West



260,034  
65%  
Live East



Trip Reduction Survey  
All Industries  
Total Respondents:  
397,343

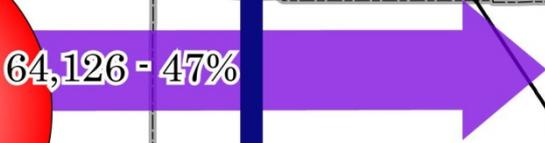
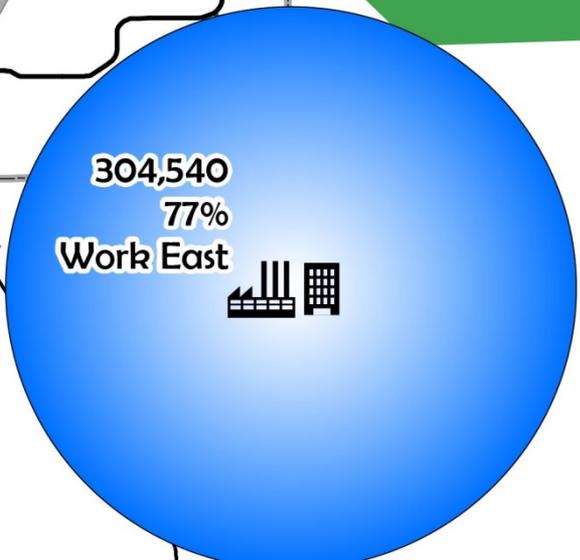
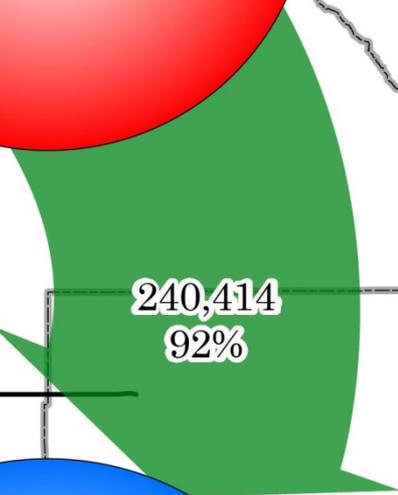
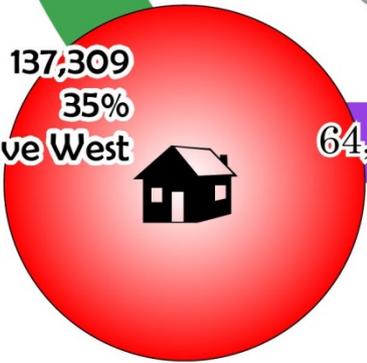
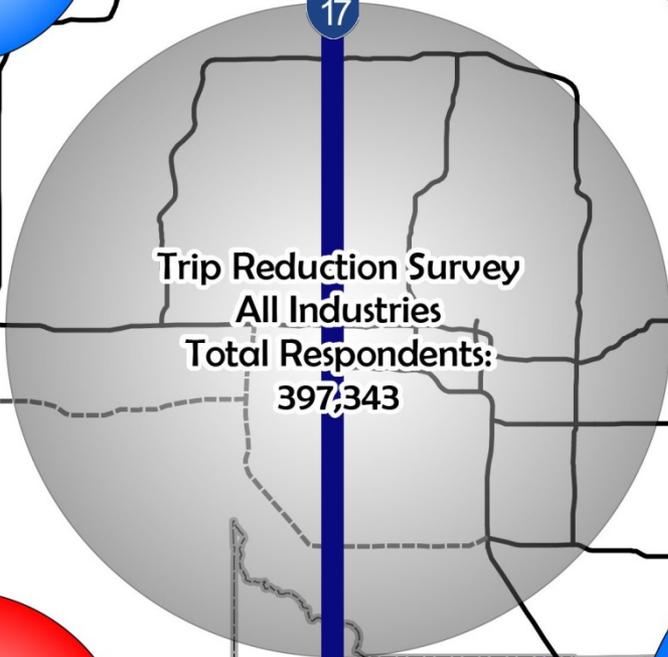
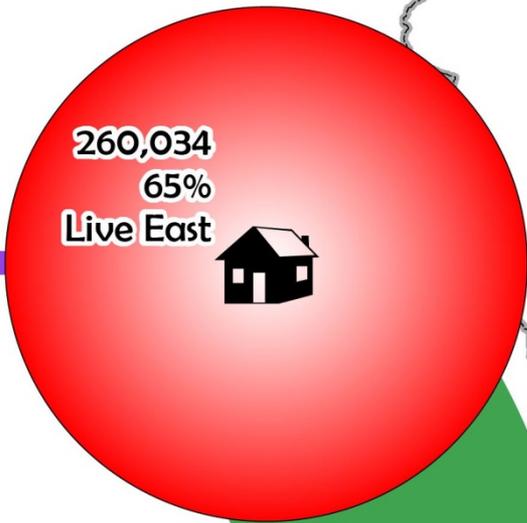
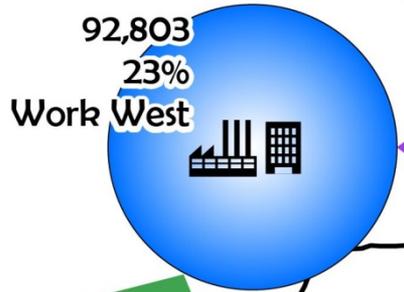


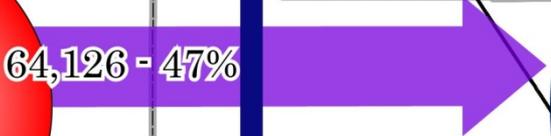
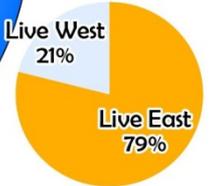
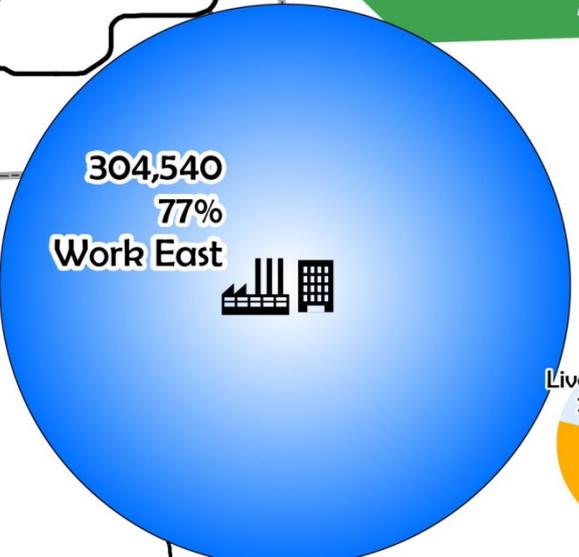
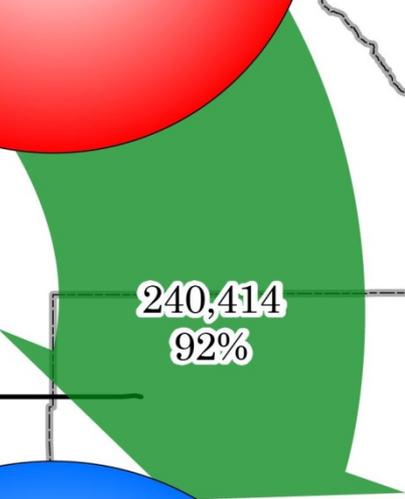
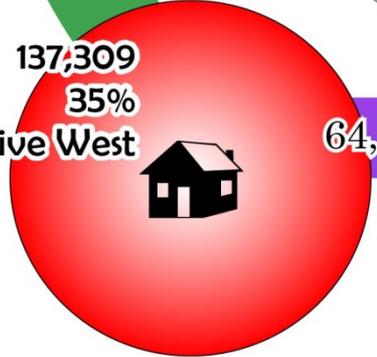
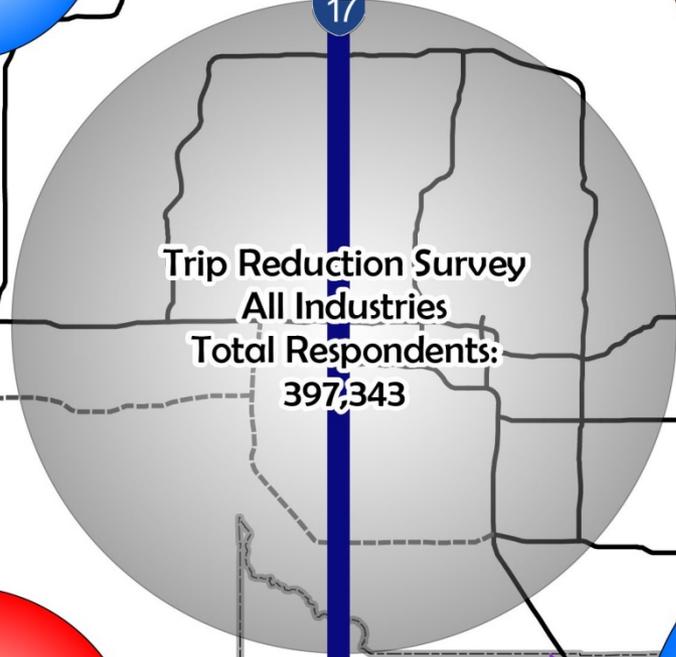
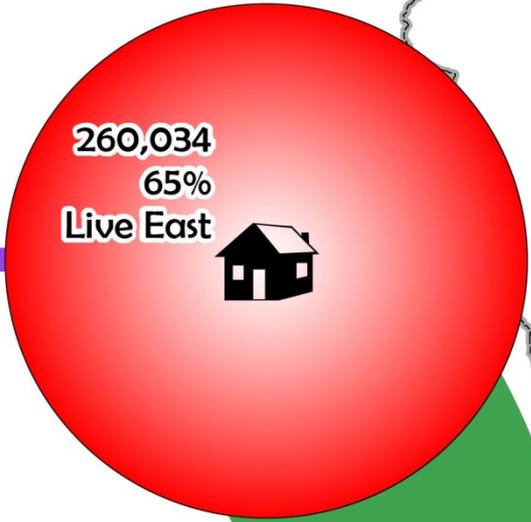
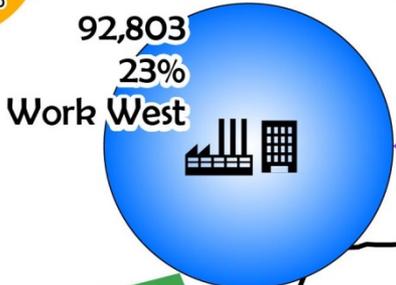
137,309  
35%  
Live West

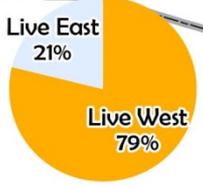


304,540  
77%  
Work East

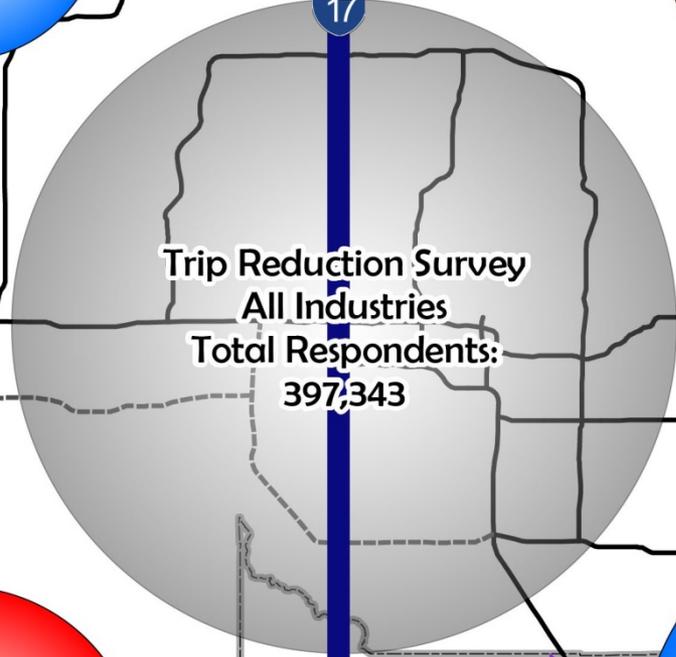
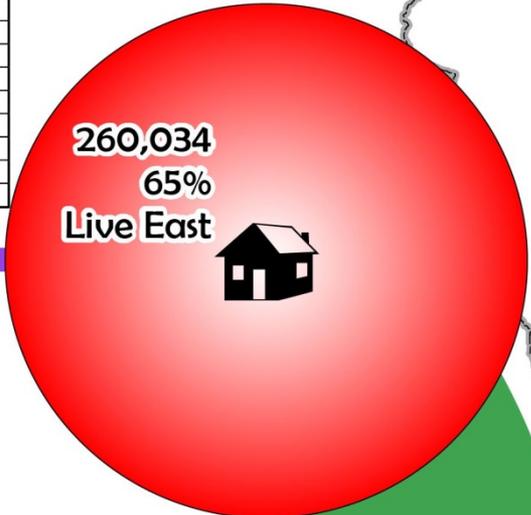
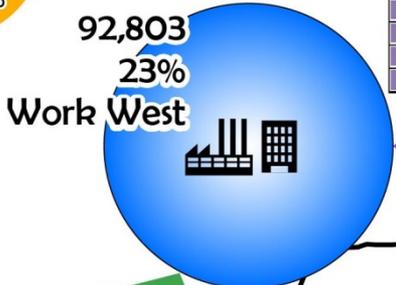




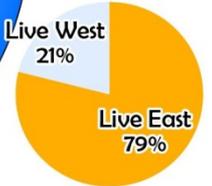
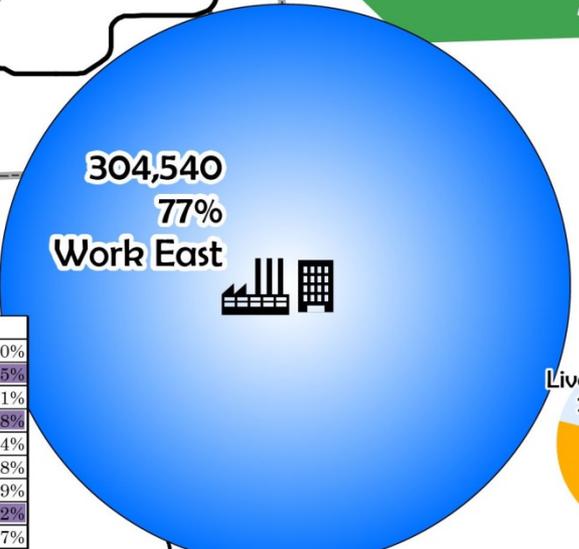
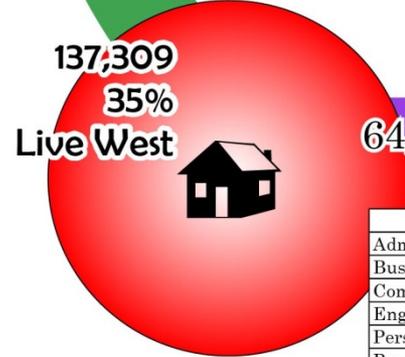
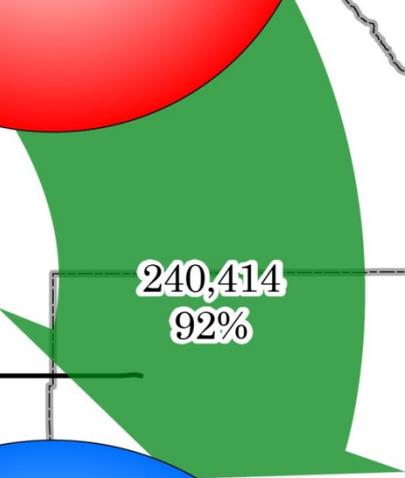




East Valley Residents Working in the West Valley	
6.5%	Administrative/Clerical/Retail
5.4%	Business/Financial/Professional
11.5%	Community Support/Teaching
4.5%	Engineering/Research/Design
7.9%	Personal Care & Services
13.6%	Production/Construction/Transport
6.0%	Sales & Marketing
5.0%	Technical Support
9.0%	Other



19,620 = 8%



West Valley Residents Working in the East Valley	
48.0%	Administrative/Clerical/Retail
68.5%	Business/Financial/Professional
23.1%	Community Support/Teaching
67.8%	Engineering/Research/Design
41.4%	Personal Care & Services
32.8%	Production/Construction/Transport
50.9%	Sales & Marketing
68.2%	Technical Support
37.7%	Other

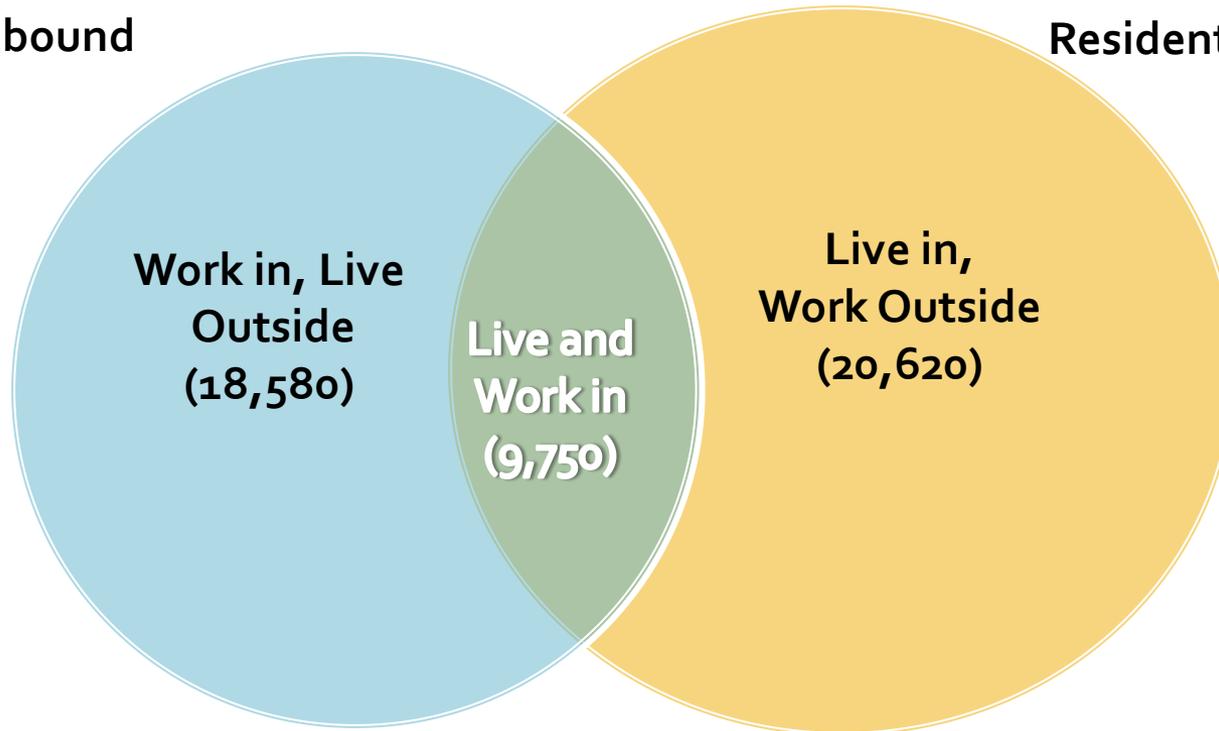
64,126 = 47%

# Chandler Residents & Workforce

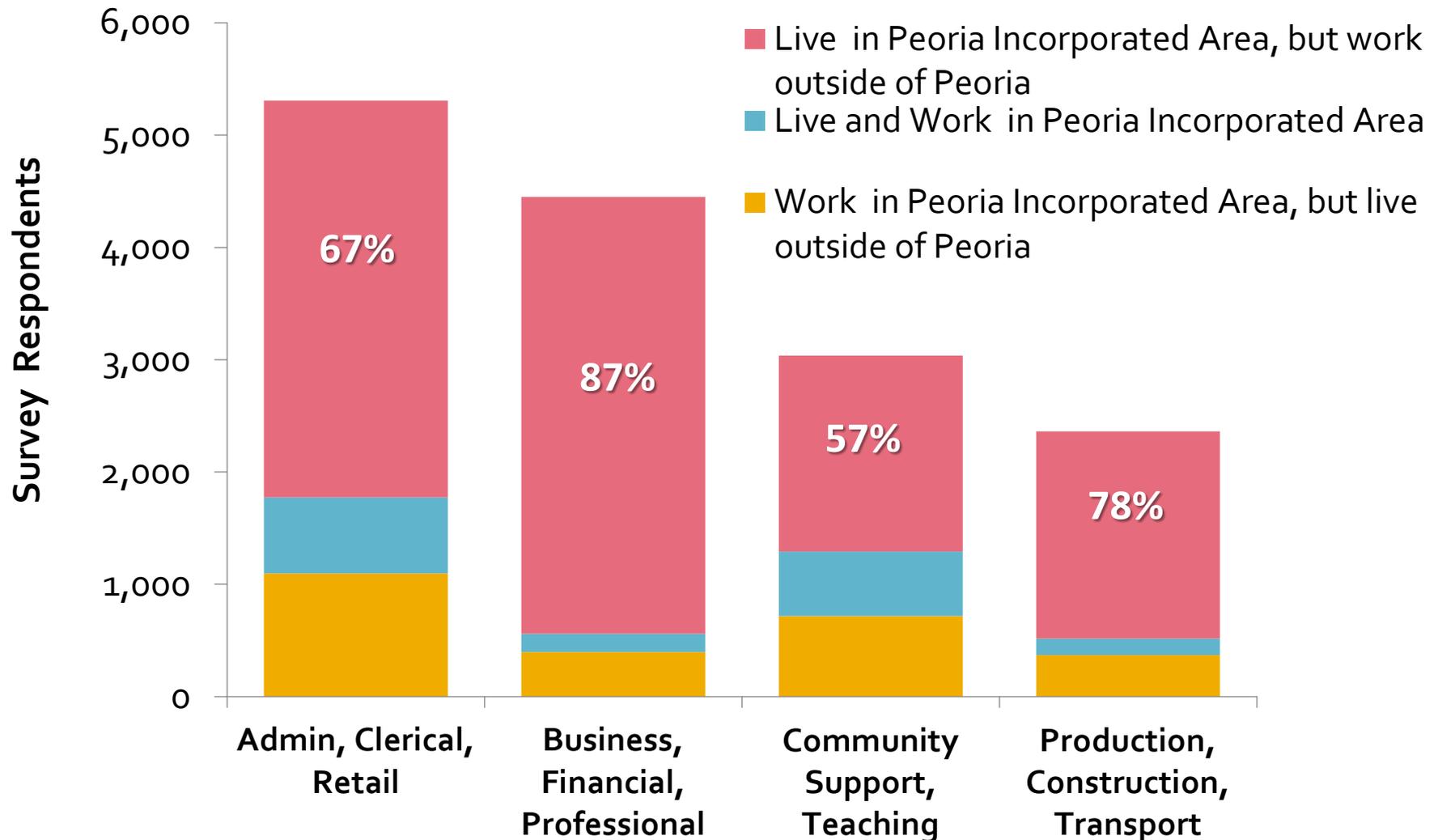
**2014 Trip Reduction Program (TRP):**  
48,950 Employees Surveyed Living or Working in Chandler

66% of Chandler  
Workforce is Inbound

68% of Chandler  
Residents are Outbound



# Occupation by Work Place & Employee Residence



# Employment Viewer

The screenshot displays the 'Employment Viewer' application interface, which includes a search bar at the top and a central map. Several data panels are overlaid on the map:

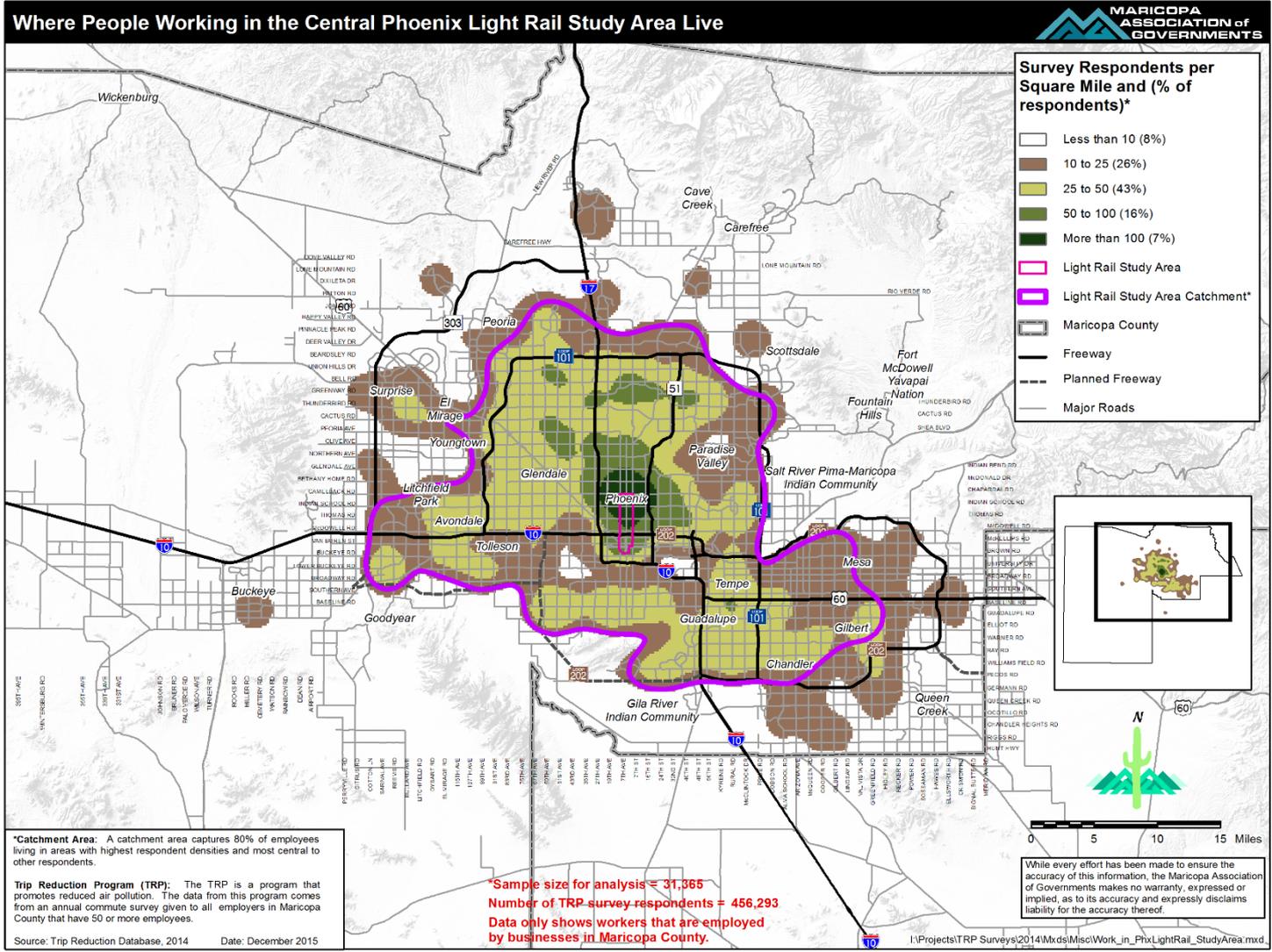
- Employment Summary for 85013:**
  - Total number of businesses: 444
  - Total number of employees: 16,786
  - Worker Occupation Types chart (TRP Survey Respondents):
 

Occupation Type	Live In, Work Out	Live & Work In	Work In, Live Out
Business, Financial, Professional	~1,800	~1,800	~1,800
Admin, Clerical, Retail	~1,200	~1,200	~1,200
Sales & Marketing	~800	~800	~800
Personal Care & Services	~600	~600	~600
Engineering, Research, Design	~400	~400	~400
Community Support, Teaching	~300	~300	~300
Production, Construction, Transport	~200	~200	~200
Technical Support	~100	~100	~100
- Employment Summary for Tolleson:**
  - Total number of businesses: 199
  - Total number of employees: 12,609
  - Includes a map titled 'Where People Working in Tolleson Live'.
- Employment Summary for Bell Rd/Sports Complex:**
  - Total number of businesses: 181
  - Total number of employees: 6,854
  - Worker Age Range chart (% of workers):
 

Age Range	Bell Rd/Sports Complex	Maricopa County
Age 16 to 24	~28%	~10%
Age 25 to 34	~24%	~23%
Age 35 to 44	~19%	~24%
Age 45 to 54	~14%	~25%
Age 55 & Over	~14%	~19%

# Worker Commuting Patterns

## Working close to the light rail central Phoenix stops



# Data & Analysis with the TRP Data



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