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# Transportation and Health Tool: A New Tool to Drive Policy Decisions

# Exploring the THT

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http://www.transportation.gov/transportation-and-health-tool

## What is the Transportation Health Tool?

A set of transportation and public health **INDICATORS** to help show how an area compares on several transportation and health metrics

A RESOURCE to help understand the links between transportation and health

A set of **STRATEGIES** to improve public health through transportation programs and policies

### How can you use the Tool?

- View indicators
- Learn more about the indicators
- Identify strategies to improve transportation and health outcomes
- •Explore information, resources, and research about the relationship between transportation and health
- Understand how the tool assigns scores
- Review how and why the tool was developed

### What are the 14 Indicators?

#### **Transportation**

- Commute Mode Share
- Person Miles Traveled by Mode
- Public Transportation
   Trips per Capita
- Vehicle Miles Traveled per Capita
- Housing & Transportation
   Affordability
- Land Use Mix
- Proximity to Major Roadways

#### Health

- Alcohol-Impaired Fatalities
- Road Traffic Fatalities by Mode
- Road Traffic Fatalities
   Exposure Rate by
   Mode
- Physical Activity from Transportation

#### Policy

- Seat Belt Use
- Complete Streets
   Policies
- Use of Federal Funds for Bicycle and Pedestrian Efforts

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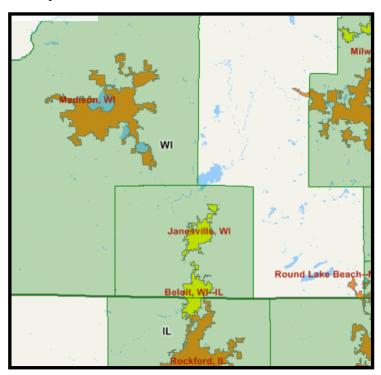
### What is the Geography?

# Metropolitan Statistical Areas (MSA) - Groups of counties showing

(MSA) - Groups of counties showing strong commuting ties with at least one US Census urbanized area.

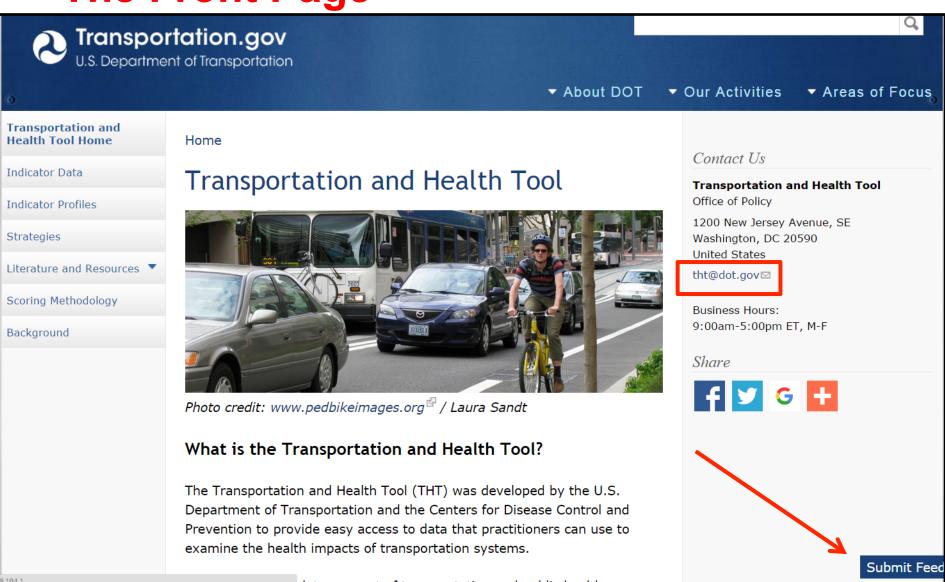
#### **Urbanized Areas (UZA) -**

Densely settled areas of 50K or people comprised of census tracts.



Indicator	Geography		
	State	MSA	UZA
Commute Mode Share (Auto, Transit, Bike, Walk)	X	X	
Complete Streets	X	X	
DUI/DWI Fatalities	X	X	
Housing/Transportation Affordability		X	
Land Use Mix		X	
PMT (Auto, Walking)	X		
Physical Activity from Transportation	X		
Proximity to Major Roadways	X	X	
Road Traffic Fatalities (Auto, Bike, Ped)	Х	X	
Seat Belt Use	X		
Traffic Fatalities Exposure Rate (Auto, Bike, Ped)	X	X	
Transit Trips per Capita	X		X
Use of Federal Funds for Bike/Ped	X		
VMT per Capita	X		X

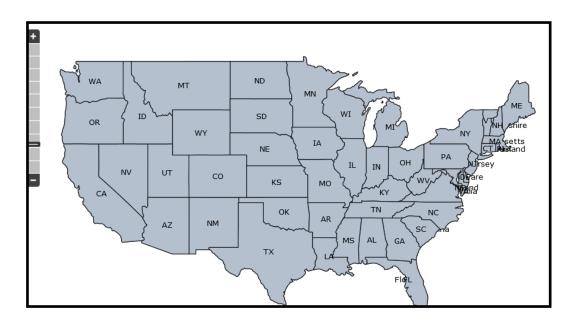
# **The Front Page**

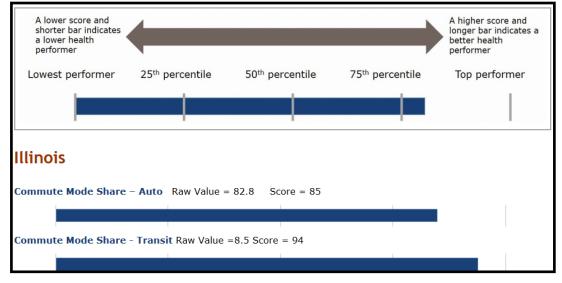


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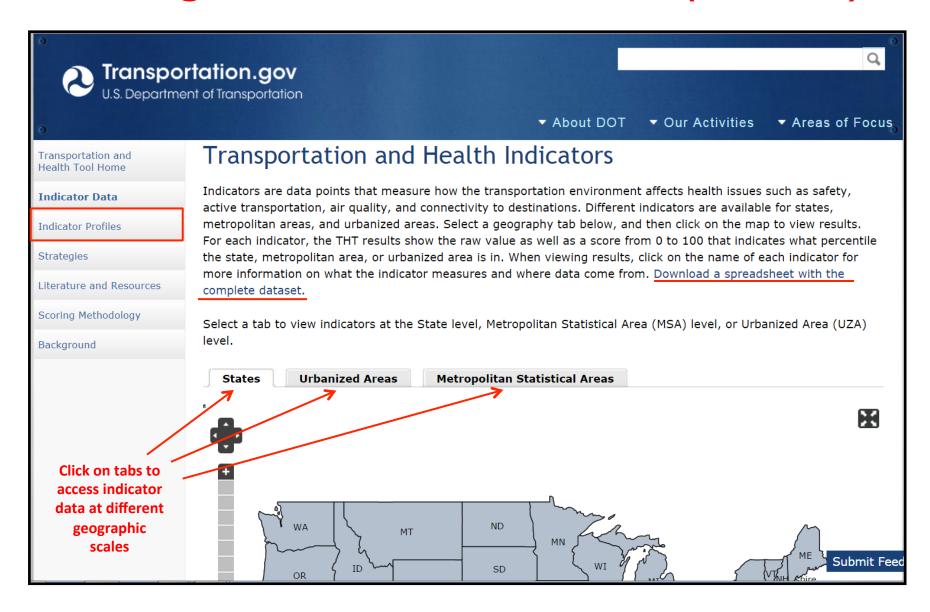
### The Indicator Data tab

This is where you drill down on geography and view the indicators (metrics)





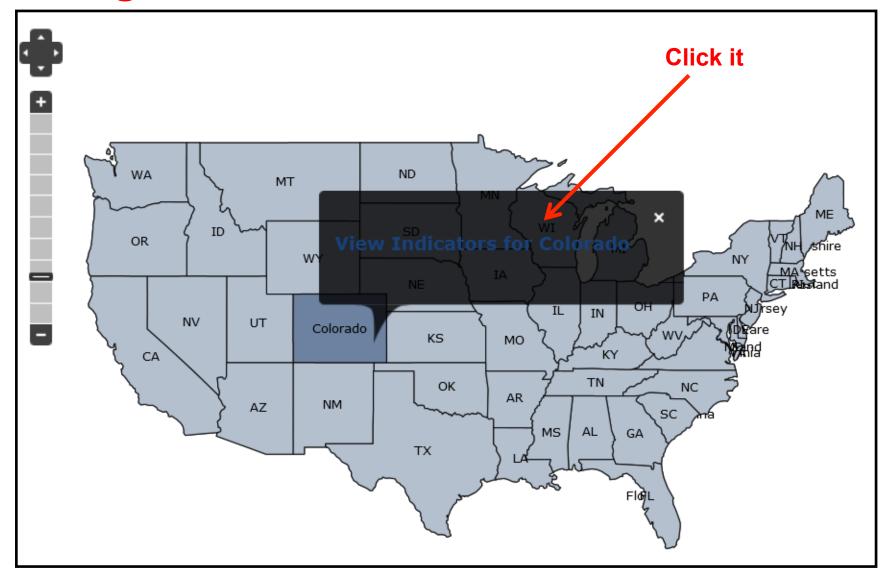
# **Drilling down to the Indicators (metrics)**



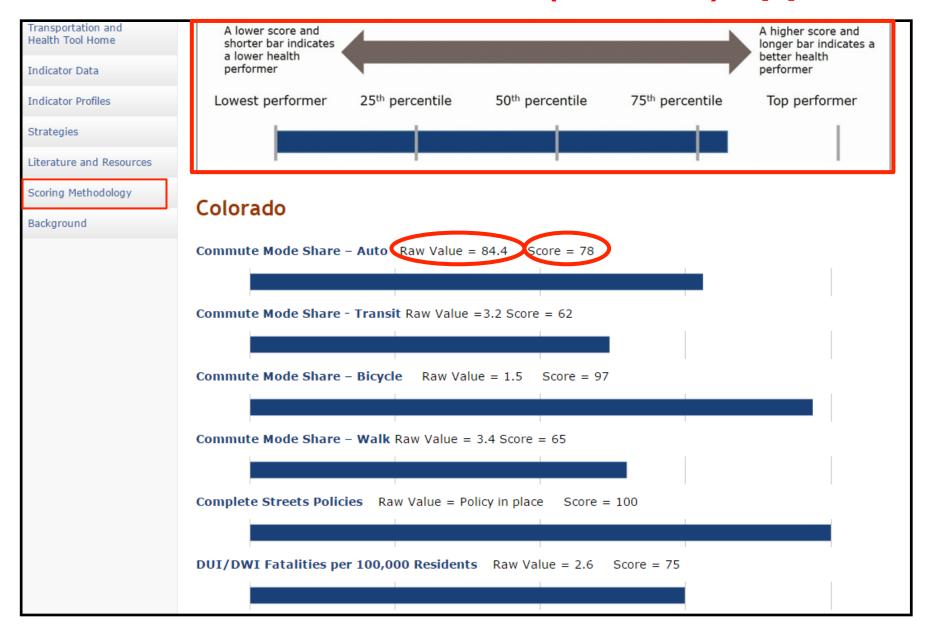
# Choose the geography and area



# You get a confirmation box



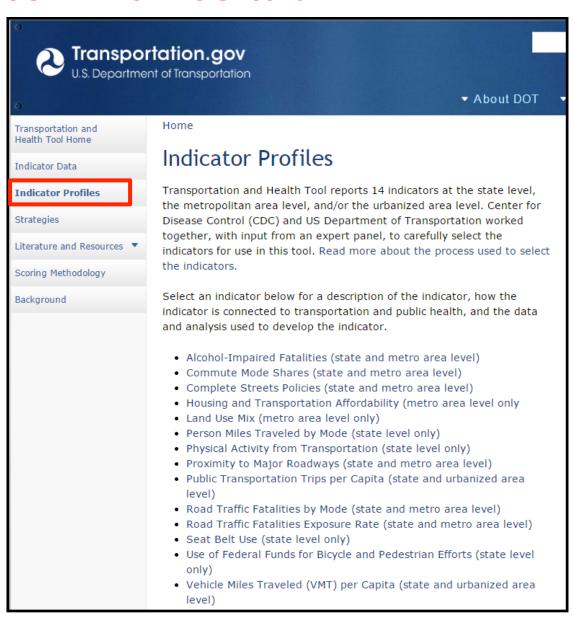
# Presto!!! The Indicators (metrics) appear



### The Indicator Profiles tab

### **Information Provided**

- Indicator Description
- Transportation and Health Connection
- About the Data
- Moving Forward
- Related Strategies
- References



### **Drill down on Indicator Profiles tab**

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### Complete Streets Policies

#### **Indicator Description**

The Complete Streets Policies indicator provides information on whether or not a state or the metropolitan planning organization that serves the region or a given metro area has adopted a complete streets policy that requires or encourages a safe, comfortable, integrated transportation network for all users, regardless of age, ability, income, ethnicity, or mode of transportation. Data come from the National Complete Streets Coalition's list of complete streets policies. A score of either 0 (no policy) or 100 (policy in place) is provided for this indicator.

#### Transportation and Health Connection

Roadways traditionally have been designed primarily for

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## The Strategies tab

#### Information Provided

- Description
- Tie to indicators
- Health Benefits
- Resources-more Info
- Evidence Base
- Field Examples

- · Built environment strategies to deter crime
- Child Passenger Safety laws, child safety seat distribution programs, education and enhanced enforcement
- · Clean freight
- Complete Streets
- · Distracted driving
- · Encourage and promote safe Bicycling and walking
- · Expand bicycle and pedestrian infrastructure
- · Expand public transportation
- · Graduated driver licensing systems
- Health impact assessment (HIA)
- Health performance metrics
- · High-occupancy vehicle lanes
- Impaired driving laws
- Improve roadway safety
- Improve vehicles and fuels
- Integrate health and transportation planning
- · In-vehicle monitoring and feedback
- Multimodal access to public transportation
- Promote connectivity
- Ride sharing programs
- Rural public transportation systems
- · Safe Routes to School programs
- · Seat belt laws
- · Strengthen helmet laws
- Traffic calming to slow vehicle speeds

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# Drilling down on a strategy

#### **Information Provided**

- Description
- Tie to indicators
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- Field Examples



#### **Promoting Connectivity**

A well-connected transportation network reduces the distances traveled to reach destinations, increases the options for routes of travel, and can facilitate walking and bicycling. Well-connected, multimodal networks are characterized by seamless bicycle and pedestrian infrastructure, direct routing, accessibility, few dead-ends, and few physical barriers. Increased levels of connectivity are associated with higher levels of physical activity from transportation. Connectivity via transportation networks can also improve health by increasing access to health care, goods and services, etc. Strategies to improve pedestrian and bicycle connectivity include

- · Short block lengths
- · Implementation of a Complete Streets policy
- · Bicycle/pedestrian outlets for cul-de-sacs and dead ends
- · Prioritization of multimodal access to public transportation
- · Safe and visible bicycle and pedestrian facilities (Oregon DOT 2010)

#### **Related Transportation and Heath Tool Indicators**

- · Commute Mode Share
- · Complete Streets Policies
- Land Use Mix
- · Miles Traveled by Mode
- · Physical Activity from Transportation
- · Road Traffic Fatalities by Mode
- Road Traffic Fatalities Exposure Rate
- Public transportation Trips per Capita
- · Use of Federal Funds for Bicycle and Pedestrian Efforts
- · VMT per Capita

#### How can this strategy result in health benefits?

- Address chronic disease (e.g., asthma, diabetes, heart disease)
- Improve access to health-supportive resources
- · Improve equity
- Increase physical activity

# Lets give it a try



Home

#### Transportation and Health Tool



Photo credit: www.pedbikeimages.org / Laura Sandt

#### What is the Transportation and Health Tool?

The Transportation and Health Tool (THT) was developed by the U.S. Department of Transportation and the Centers for Disease Control and Prevention to provide easy access to data that practitioners can use to examine the health impacts of transportation systems.

#### Contact Us

#### Transportation and Health Tool

Office of Policy

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tht@dot.gov⊠

Business Hours: 9:00am-5:00pm ET, M-F

#### Share



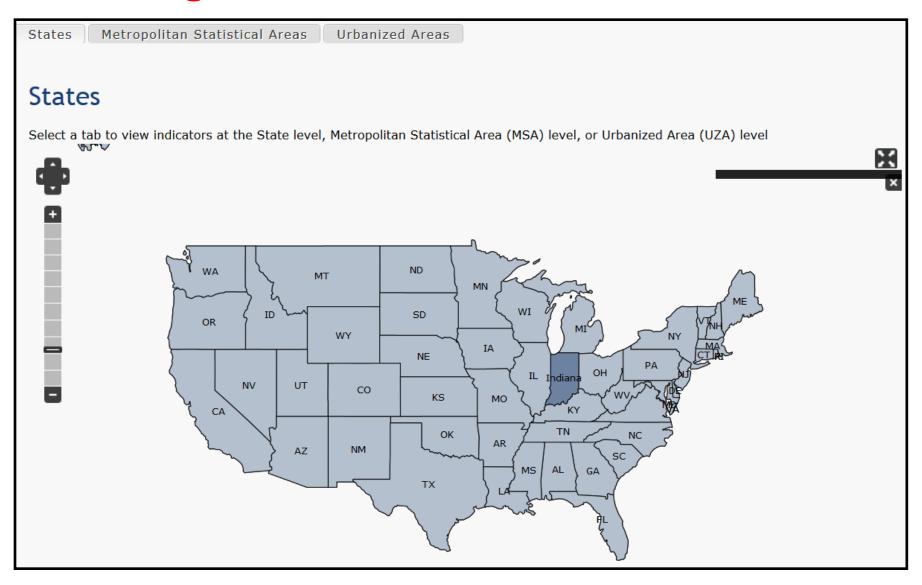






Submit Feed

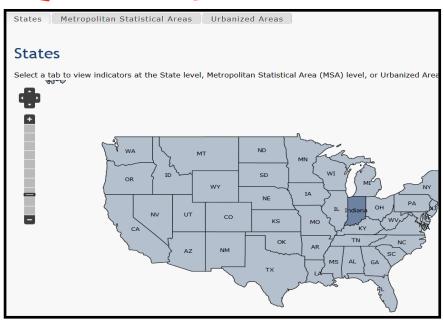
# Selecting an area

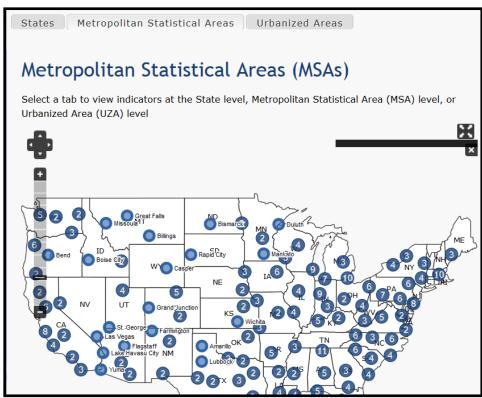


# What if you want an MSA or UZA?

#### Note the 3 tabs



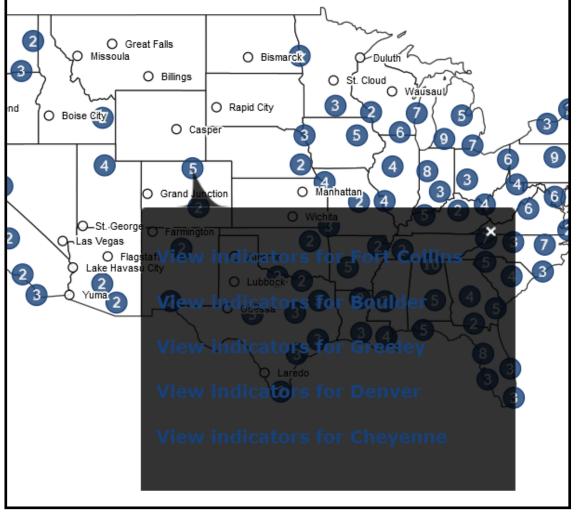




For the MSA and Urbanized Areas you need to use the map zoom to view the individual areas

Or you get these dots

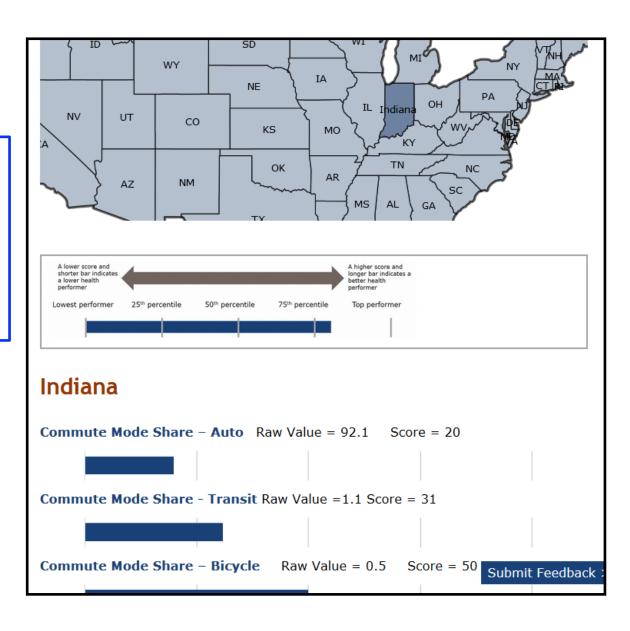
**Selecting MSAs** 

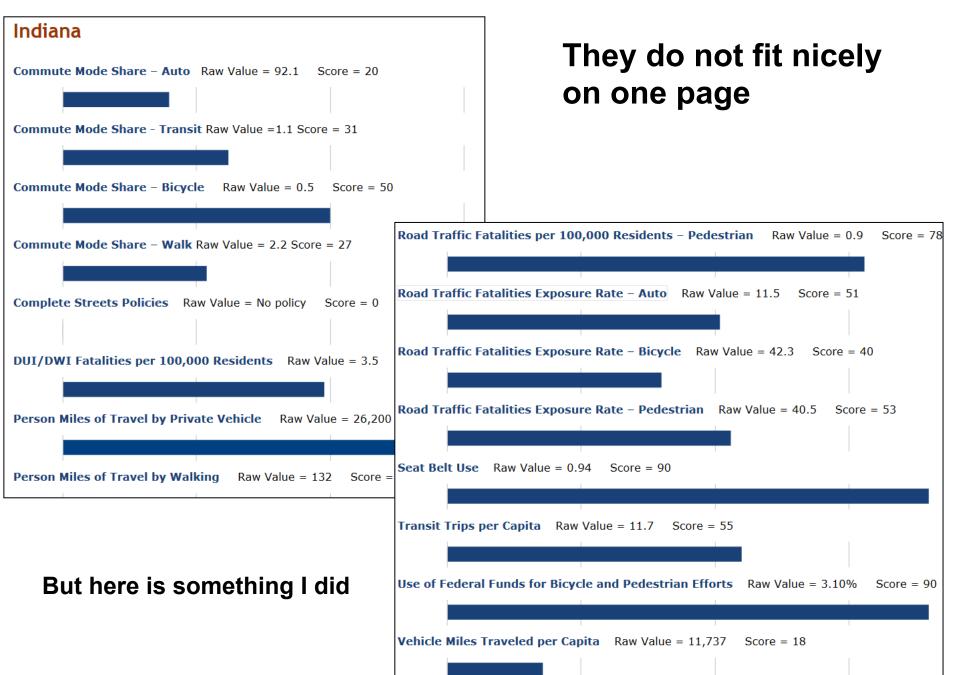


If you click on one of the cluster number instead of zooming in you will get a list of the MSAs (UZAs) that you can click. I clicked on the "5" in Colorado

## Lets go back to Indiana

When get your indicators you get map at the top of page followed by a list of the indicators that you have to scroll through.





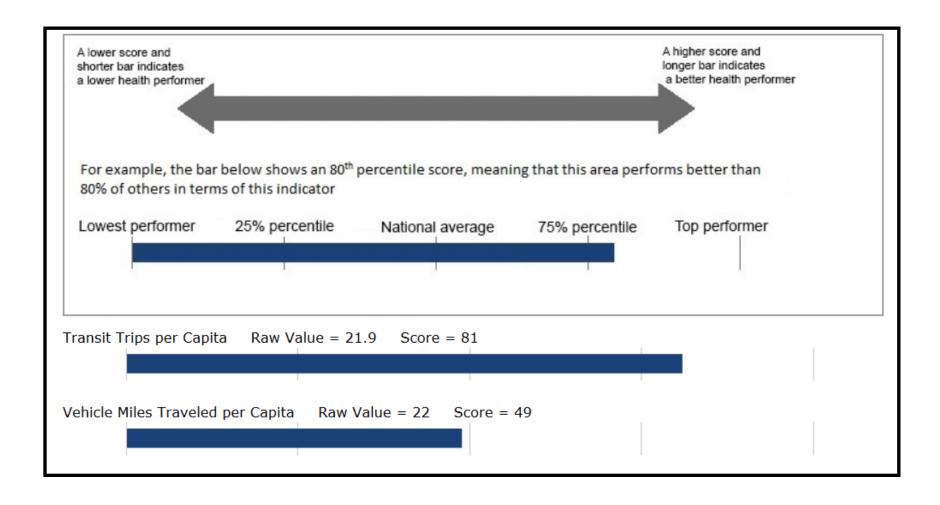
### THT ~ State of Indiana Indicators

```
Commute Mode Share - Auto Raw Value = 92.1% Score = 20
Commute Mode Share - Transit Raw Value = 1.1% Score = 31
Commute Mode Share – Bicycle Raw Value = 0.5% Score = 50
Commute Mode Share – Walk Raw Value = 2.2% Score = 27
|Complete Streets Policies Raw Value = No policy | Score = 0
DUI/DWI Fatalities per 100,000 Residents Raw Value = 3.5 Score = 49
Person Miles of Travel by Private Vehicle Raw Value = 26,200 Score = 76
Person Miles of Travel by Walking Raw Value = 132 Score = 14
Physical Activity from Transportation Raw Value = 7.08 Score = 27
Proximity to Major Roadways Raw Value = 0.01% Score = 97
Road Traffic Fatalities/100,000 Residents – Auto Raw Value = 10.6 Score = 46
Road Traffic Fatalities/100,000 Residents – Bicycle Raw Value = 0.2 Score = 41
Road Traffic Fatalities/100,000 Residents – Pedestrian Raw Value = 0.9 Score = 78
Seat Belt Use Raw Value = 0.94 Score = 90
Road Traffic Fatalities Exposure Rate – Auto Raw Value = 11.5 Score = 51
Road Traffic Fatalities Exposure Rate – Bicycle Raw Value = 42.3 Score = 40
Road Traffic Fatalities Exposure Rate – Pedestrian Raw Value = 40.5 Score = 53
Transit Trips per Capita Raw Value = 11.7 Score = 55
Use of Federal Funds for Bike and Ped Efforts Raw Value = 3.10% Score = 90
Vehicle Miles Traveled per Capita Raw Value = 11,737 Score = 18
```

### **THT ~ Muncie MSA**

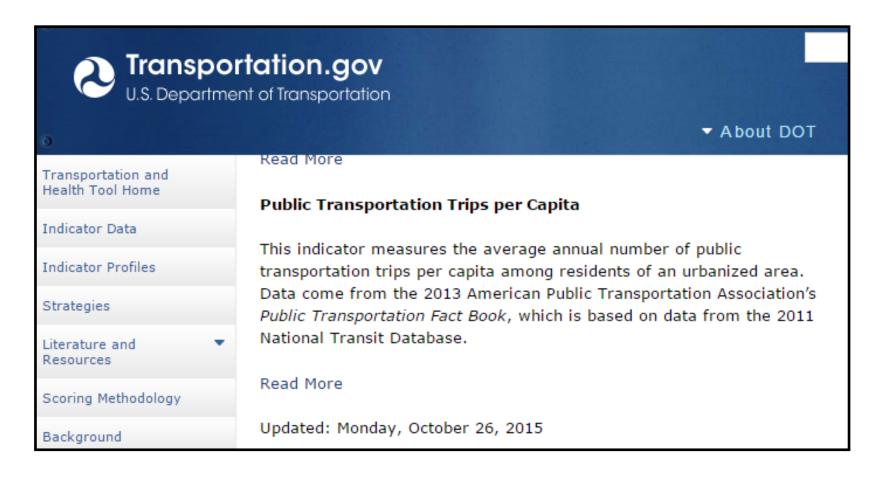
```
Commute Mode Share – Auto Raw Value = 89.5% Score = 61
Commute Mode Share – Transit Raw Value = 1.7% Score = 59
Commute Mode Share – Bicycle Raw Value = 1.0% Score = 80
Commute Mode Share – Walk Raw Value = 5.2% Score = 95
Complete Streets Raw Value = No policy Score = 0
DUI/DWI Fatalities per 100,000 Residents Raw Value = 2.6 Score = 61
|Housing and Transportation Affordability Raw Value = 51.9% | Score = 48
Land Use Mix Raw Value = 0.49 Score = 47
Proximity to Major Roadways Raw Value = 0.00% Score = 100
Road Traffic Fatalities/100,000 Residents – Auto Raw Value = 8.8 Score = 57
Road Traffic Fatalities/100,000 Residents – Bicycle Raw Value = 0.0 Score = 89
Road Traffic Fatalities/100,000 Residents – Pedestrian Raw Value = 0.3 Score = 95
|Road Traffic Fatalities Exposure Rate – Auto Raw Value = 9.8 Score = 57
Road Traffic Fatalities Exposure Rate – Bicycle Raw Value = 0.0 Score = 97
Road Traffic Fatalities Exposure Rate – Pedestrian Raw Value = 6.6 Score = 98
```

### **THT ~ Muncie Urbanized Area**



What if you want to know what a variable means like "Transit Trips per Capita" Click on it.

### THT ~ Muncie Urbanized Area



# **THT ~ State of Oregon Indicators**

```
Commute Mode Share - Auto Raw Value = 82.0% Score = 88
Commute Mode Share - Transit Raw Value =4.1% Score = 72
Commute Mode Share - Bicycle Raw Value = 2.5% Score = 100
Commute Mode Share - Walk Raw Value = 4.6% Score = 89
Complete Streets Policies Raw Value = Policy in place Score = 100
DUI/DWI Fatalities per 100,000 Residents Raw Value = 2.2 Score = 85
Person Miles of Travel by Private Vehicle Raw Value = 23,997 Score = 89
Person Miles of Travel by Walking Raw Value = 425 Score = 97
Physical Activity from Transportation Raw Value = 17.80 Score = 99
Proximity to Major Roadways Raw Value = 0.07% Score = 39
Road Traffic Fatalities/100,000 Residents - Auto Raw Value = 7.7 Score = 75
Road Traffic Fatalities/100,000 Residents - Bicycle Raw Value = 0.3 Score = 18
Road Traffic Fatalities/100,000 Residents - Pedestrian Raw Value = 1.3 Score = 45
Road Traffic Fatalities Exposure Rate - Auto Raw Value = 9.3 Score = 71
Road Traffic Fatalities Exposure Rate - Bicycle Raw Value = 11.3 Score = 93
Road Traffic Fatalities Exposure Rate - Pedestrian Raw Value = 31.2 Score = 68
Seat Belt Use Raw Value = 0.97 Score = 98
Transit Trips per Capita Raw Value = 27.8 Score = 80
Use of Federal Funds for Bike and Ped Efforts Raw Value = 3.10% Score = 90
Vehicle Miles Traveled per Capita Raw Value = 8,628 Score = 78
```

# Give a try?

http://www.transportation.gov/transportation-and-health-tool

### **Share your experience**

What did you do?

Find anything of note?

Anything raise other questions?

**Any Comment on the Tool?** 

