# **2045 Active Transportation Plan**

Clint McManus 24 January 2019



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# **Plan Contents**

- Existing Conditions
- Pedestrian & Bicycle Focus Areas
- A Vision for 2045
- Strategies & Measures



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# **Existing Conditions**

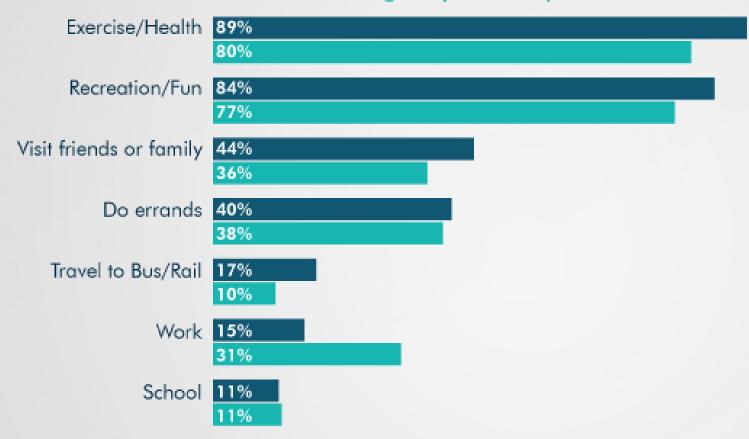
- Public Input
- Network
- Use
- Safety
- Health



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# **Reasons for Walking and Biking**

Reasons for Walking Daily or Weekly Reasons for Biking Daily or Weekly





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# Why People Don't Walk More Often

P	ercent Agree/Strongly Agree		Safety	Connectivity	Other
1	Fast traffic	<b>59%</b>			
2	Not enough light at night	58%			
3	Unsafe street crossings	57%			
4	Too many cars	53%			
5	Distances too far	50%			
6	Sidewalks/paths in poor condition	50%			
7	No nearby paths or trails	44%			
8	Weather	33%			
9	No shops or interesting places to go	32%			
10	Poor road conditions	28%			



# Why People Don't Bike More Often

ivity

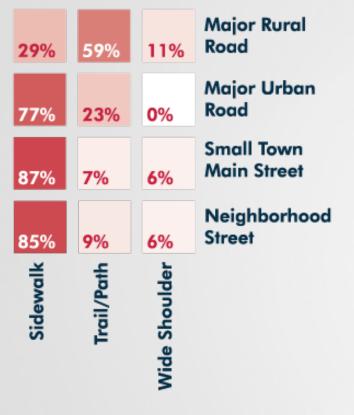
			Safety	Connect	Other
1	Not enough quality bike lanes, protected bike lanes	86%			
2	Fast traffic	71%			
3	Too many cars	66%			
4	Unsafe street crossings	63%			
5	Sidewalks/paths in poor condition	54%			
6	Poor road conditions	<b>50%</b>			
7	Not enough light at night	<b>48%</b>			
8	No nearby paths or trails	46%			
9	Not enough bike racks/other bike storage	41%			
10	Debris	32%			

Percent Agree/Strongly Agree

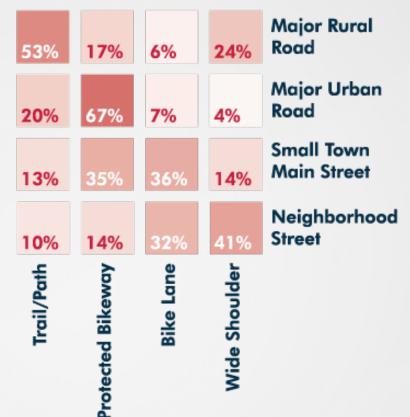
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# Infrastructure Preferences

#### Walkway Infrastructure Preferences



#### **Bikeway Infrastructure Preferences**





# Preferred Walkway Improvements

### Percent Agree/Strongly Agree

New/improved sidewalks	88%
New/improved trails/paths	88%
Safer road crossings	84%
Improved pedestrian traffic signals	75%
More shade from sun	74%
Wider shoulders on rural roads	64%
Slower traffic	51%
Better access to bus/train	51%



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# **Preferred Bikeway Improvements**

### Percent Agree/Strongly Agree

Separated bikeways	90%
Off-street trails/paths	84%
Buffered bike lanes	78%
Bicycle boulevards	69%
Bicycle racks	66%
Bicycle corrals	53%
Wider shoulders	50%
Bicycle fixit stations	<b>42</b> %
Bicycle shelters/lockers	40%
Traditional bike lanes	40%



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# **Transit + Active Transportation**



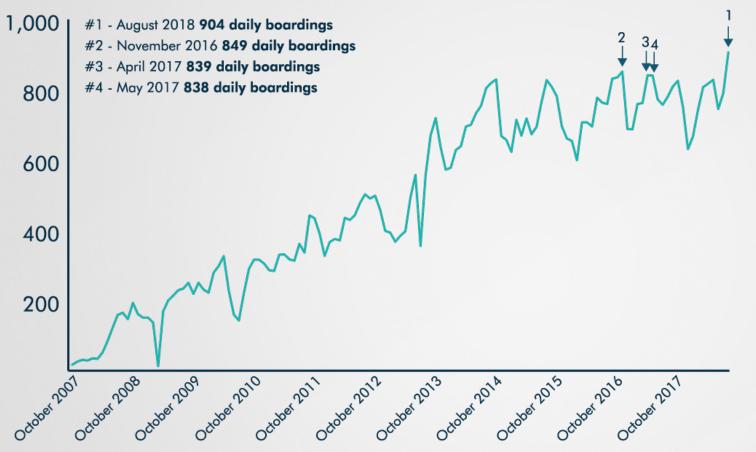
Regional Collaboration • Transportation Planning • Multimodal Mobility

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# **Transit + Active Transportation**

#### **METRO Average Daily Bike Boardings**

October 2007 - August 2018



Source: METRO's Bike on Buses



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# **Bike Share Usage**

Houston BCycle Usage 2013-2017





## **Commute Patterns**

### Workers Commuting by Active Transportation and Transit Peer MPOs

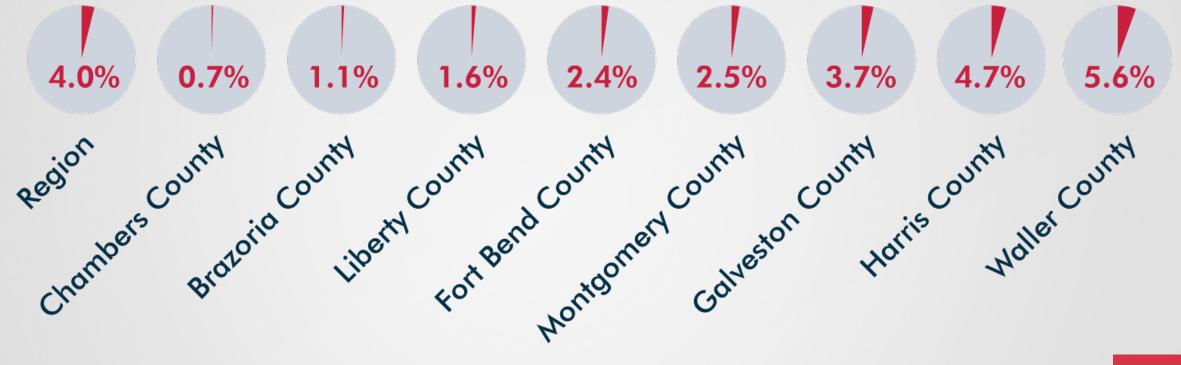


Source: U.S. Census Bureau 2012-2016 5-year estimates



## **Commute Patterns**

### Workers Commuting by Active Transportation and Transit H-GAC Region



Source: U.S. Census Bureau 2012-2016 5-year estimates

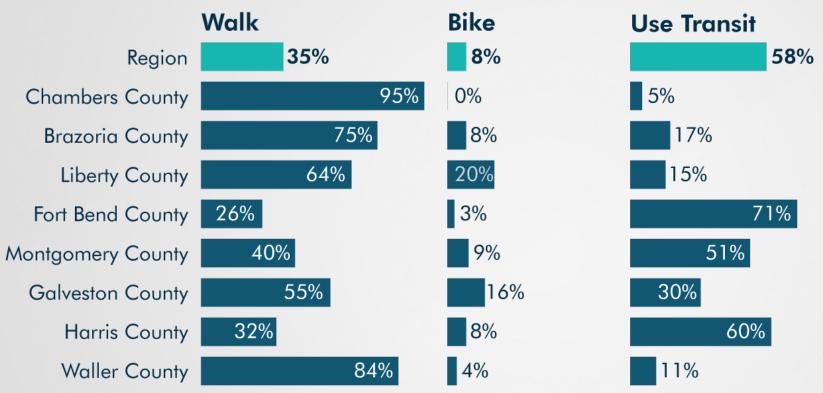


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## **Commute Patterns**

### Commute Mode for Non-Driving Workers



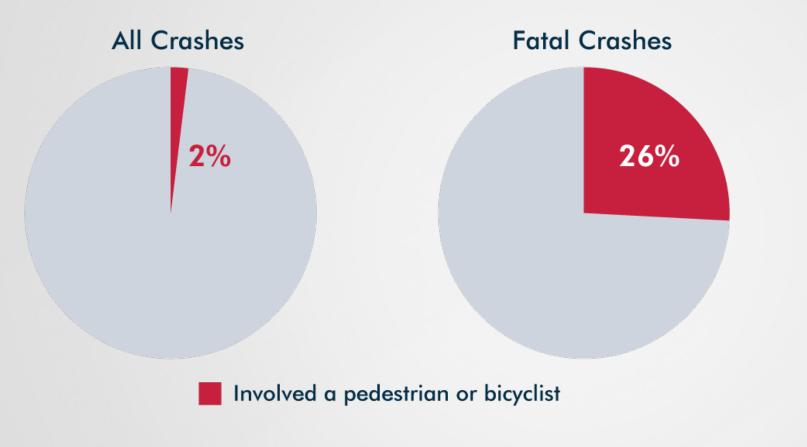


#### Source: U.S. Census Bureau 2012-2016 5-year estimates





#### Pedestrian and Bicycle Crash Rates H-GAC Region 2012-2016



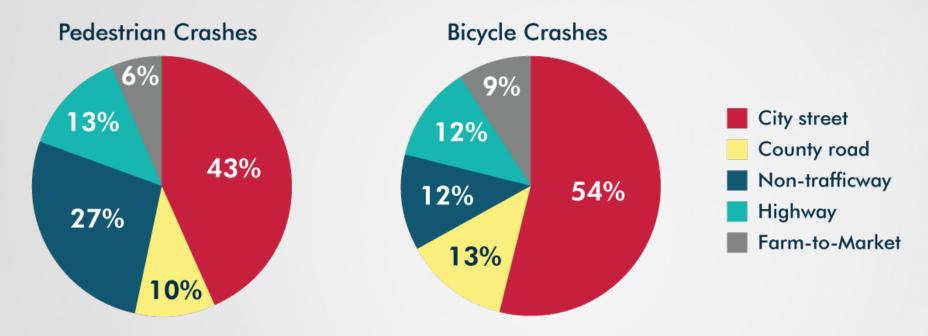
Source: TxDOT CRIS, 2012-2016



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#### Pedestrian and Bicycle Crash Locations H-GAC Region 2012-2016



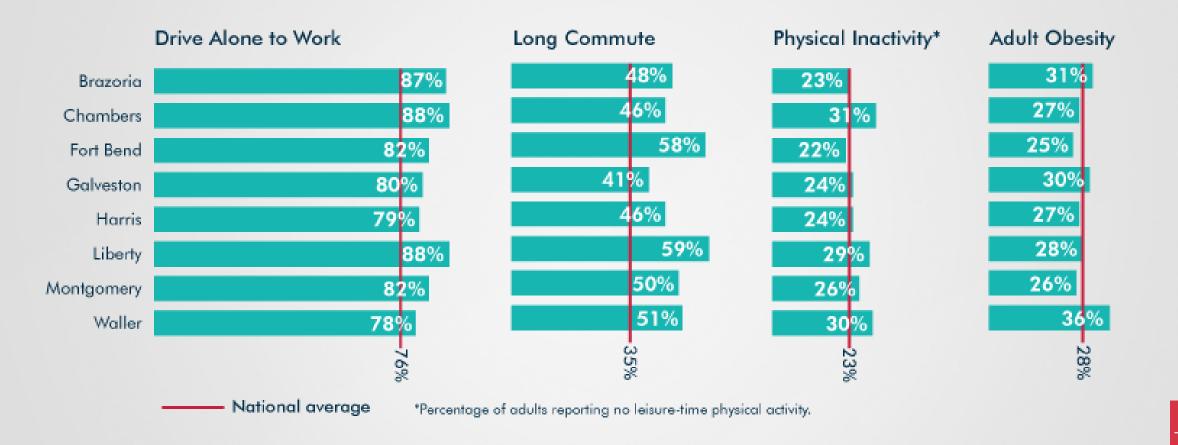
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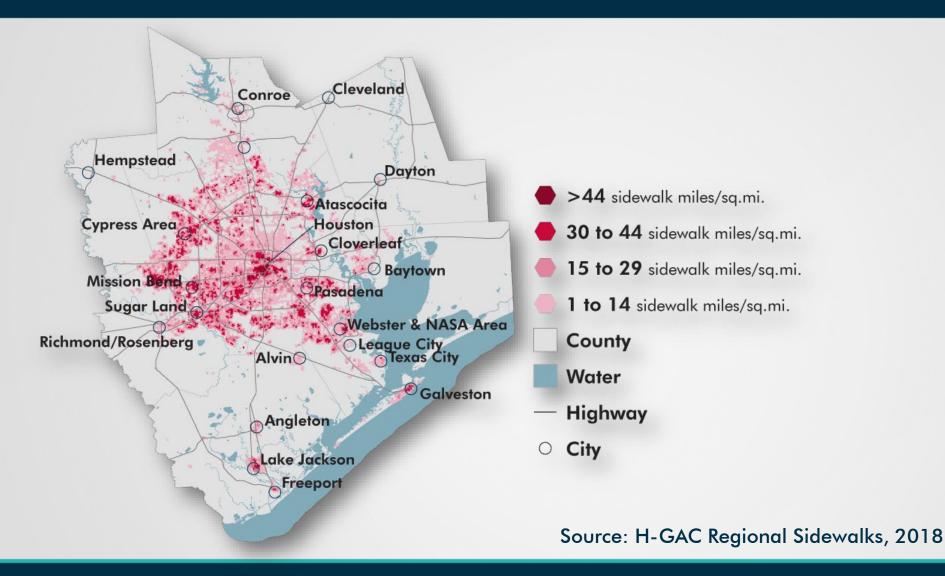
## Health

#### Health Factors Related to Active Transportation 2018 Robert Wood Johnson County Health Rankings



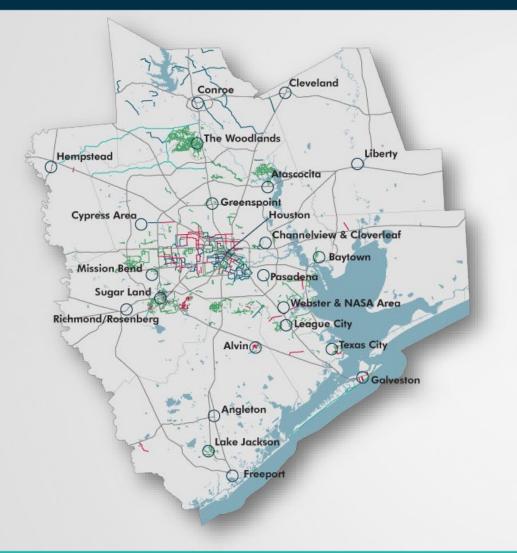


# **Sidewalk Network Density**





## **Bikeway Network**



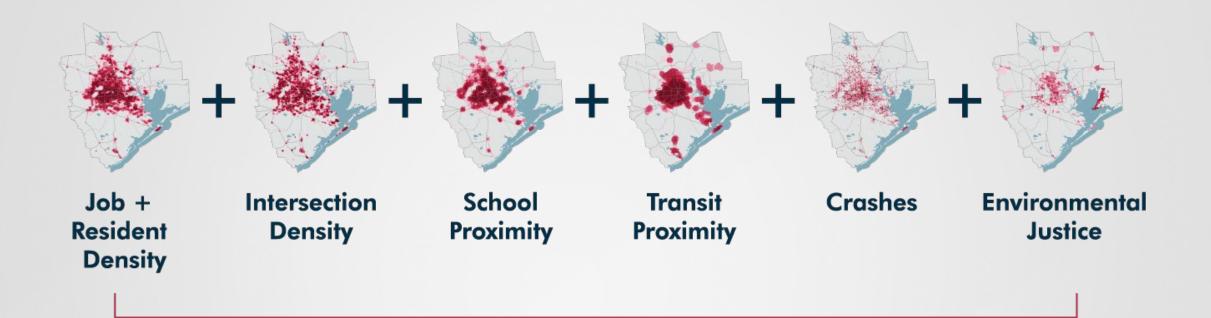
- Bike Lane Dedicated lane marked off with painted lines for use by bicyclists
- Shared-Use Path/Trail Dedicated trail completely separated from auto traffic and used by both pedestrians and bicyclists
- Signed Shared Roadway Route with signs indicating cars and bicyclists share the travel lanes
- Signed Shoulder Route Route with signs indicating that bicyclists are permitted to use the shoulder as a travel lane

Source: H-GAC & local partners



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## **Focus Areas**



## **Regional Pedestrian and Bicycle Focus Areas**



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## **Focus Areas**

## See plan document for Focus Areas



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## A Vision for 2045

## PEDESTRIANS AND BICYCLISTS OF ALL AGES AND **ABILITIES CAN TRAVEL CONVENIENTLY AND COMFORTABLY IN ALL COMMUNITIES USING INTERCONNECTED, WELL-MAINTAINED NETWORKS OF WALKWAYS AND BIKEWAYS.**



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## Recommendations

### **PRIORITIZE SAFETY**

Improve safety for people walking, biking, and rolling.

### **BUILD FOR IMPACT**

Build interconnected networks of walkways and bikeways in Focus Areas.

### **BUILD FOR NEED**

Ensure that all people – regardless of age, ability, or location within the region – have access to walkways and bikeways that are safe, convenient and comfortable.



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## Recommendations, cont'd.

### **MAINTAIN WHAT'S BUILT**

Maintain and improve the existing network of walkways and bikeways in the region and coordinate regional data collection for active transportation infrastructure.

### **ENCOURAGE MORE WALKING AND BIKING**

Encourage and incentivize the use of walkways and bikeways to mitigate congestion, improve air quality, and increase physical activity.



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## Recommendations, cont'd.

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# **County Profiles**

See plan document for County Profiles



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## Feedback Welcome

Draft is open for comment until end of February



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