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# MTA On-Board Transit Survey Results

## Comparison of 2007 and 2018 Surveys

*Technical Committee – May 5, 2020*



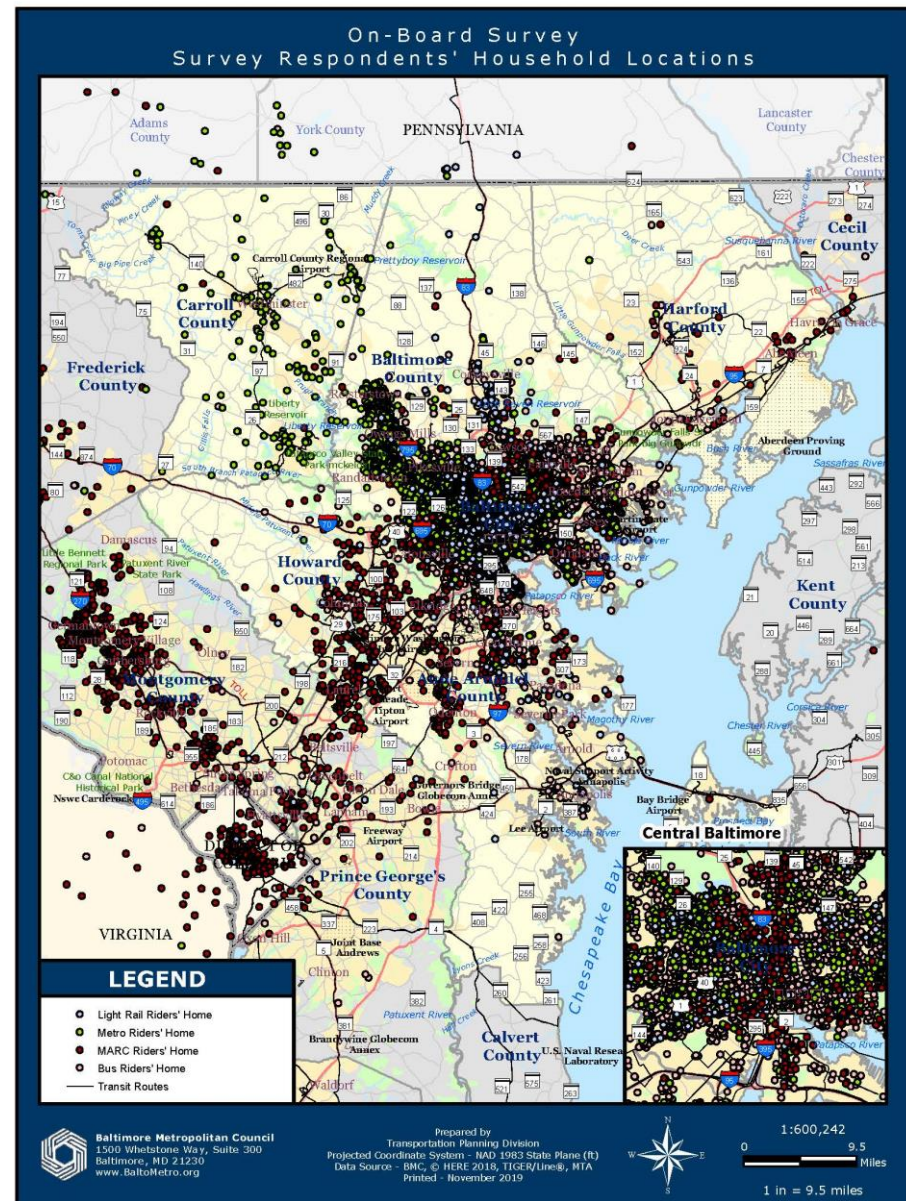
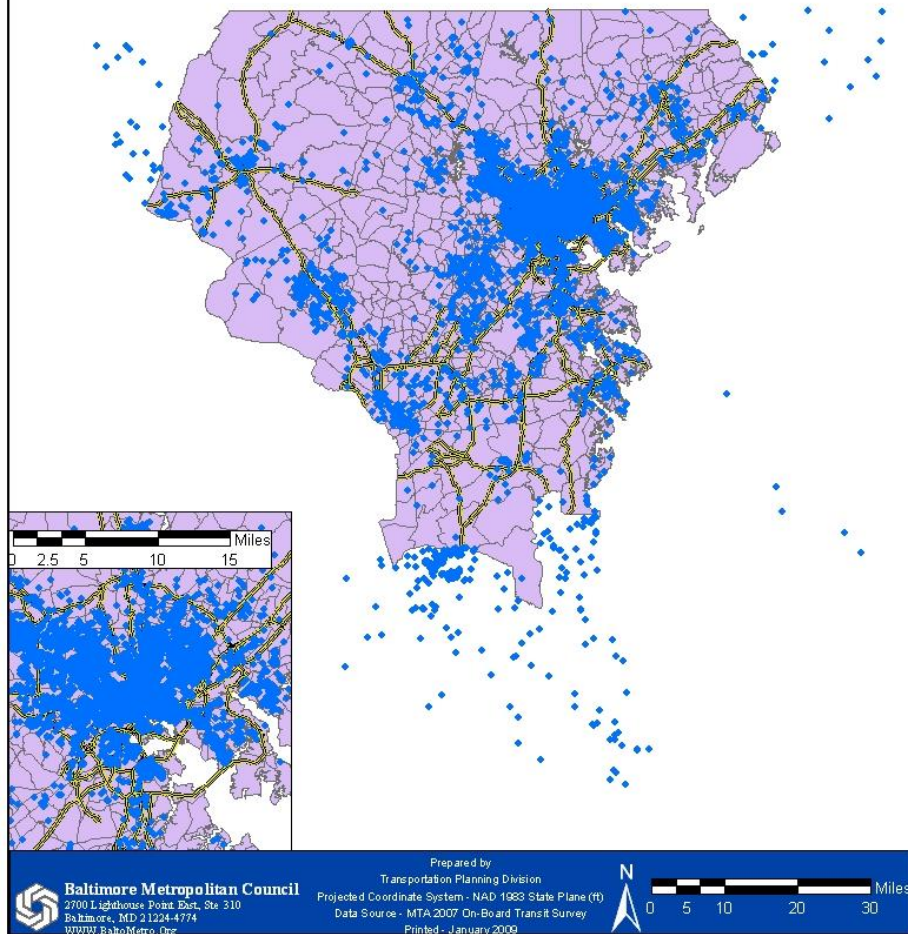
## 2007 On-Board Transit Survey

- 13,158 completed surveys
- Spring of 2007 to Spring of 2008
- Total Boardings: 294,847

## 2018 On-Board Transit Survey

- 25,301 completed surveys
- 2014-2018
  - Light Rail: October 2014 (1,919 completed surveys)
  - Metro: October 2015 (2,273 completed surveys)
  - MARC: November 2016 (3,346 completed surveys)
  - Bus: October 2018 (17,763 completed surveys) 25,301 completed surveys
- Total Boardings: 299,339

# SURVEY HOUSEHOLD LOCATIONS

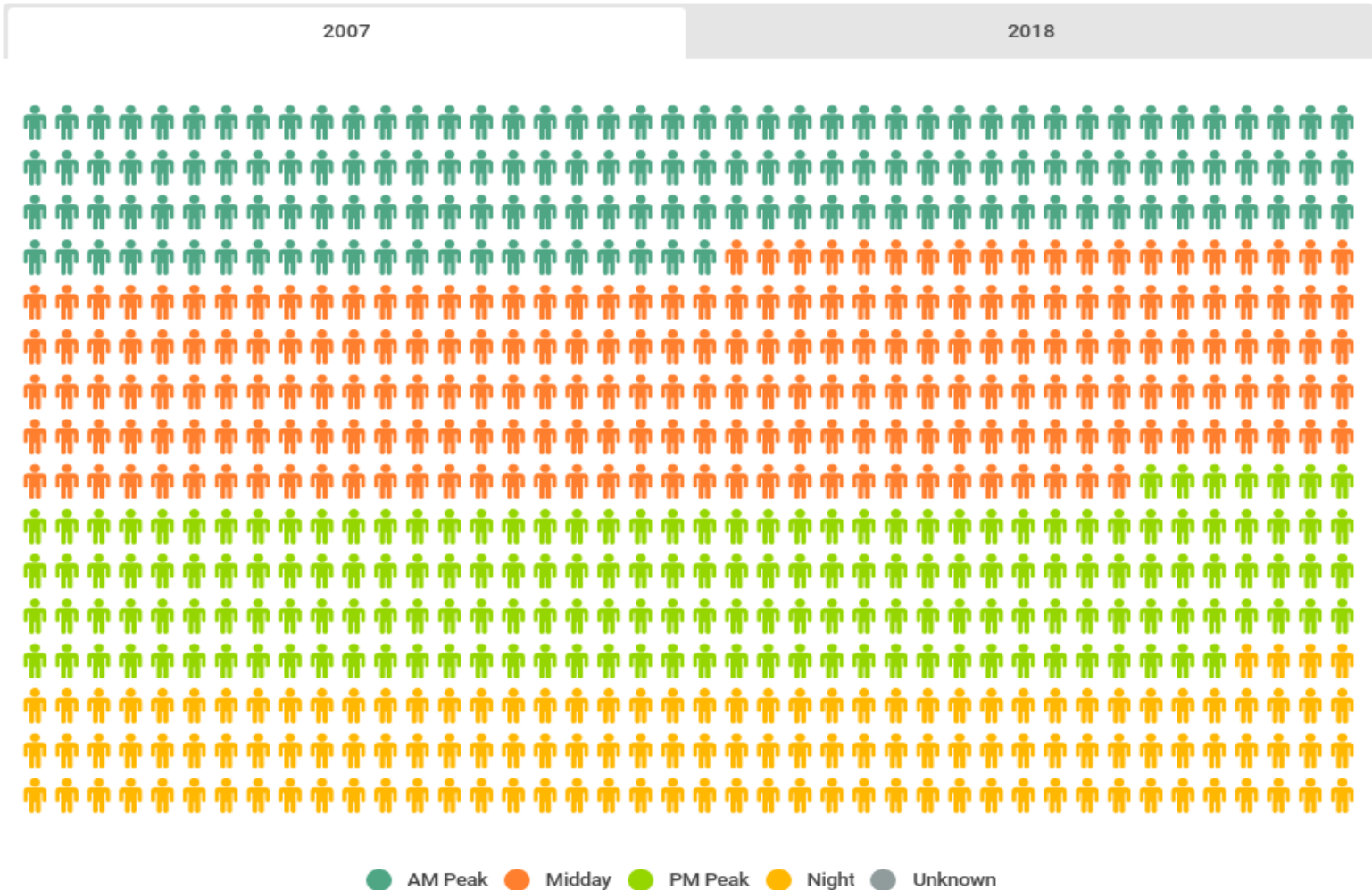


# Time of Day

Time Period	2007 Trips Share	2018 Trips Share	Percent Change
AM Peak	22.0%	22.9%	+0.9%
Midday	33.3%	29.7%	-3.6%
PM Peak	25.4%	23.5%	-1.9%
Night	19.3%	13.7%	-5.6%
Unknown	0.1%	10.2%	+10.2%



# Time of Day – 2007



# Time of Day – 2018

2007

2018



● AM Peak ● Midday ● PM Peak ● Night ● Unknown

# Time of Day – Change



4,492

Increase in Total Ridership - 2018 (299,339) v 2007 (294,847)



+0.9%

Increase in AM Peak Ridership



-3.6%

Decrease in Midday Ridership



-1.9%

Decrease in PM Peak Ridership



-5.6%

Decrease in Night Ridership



+10.2%

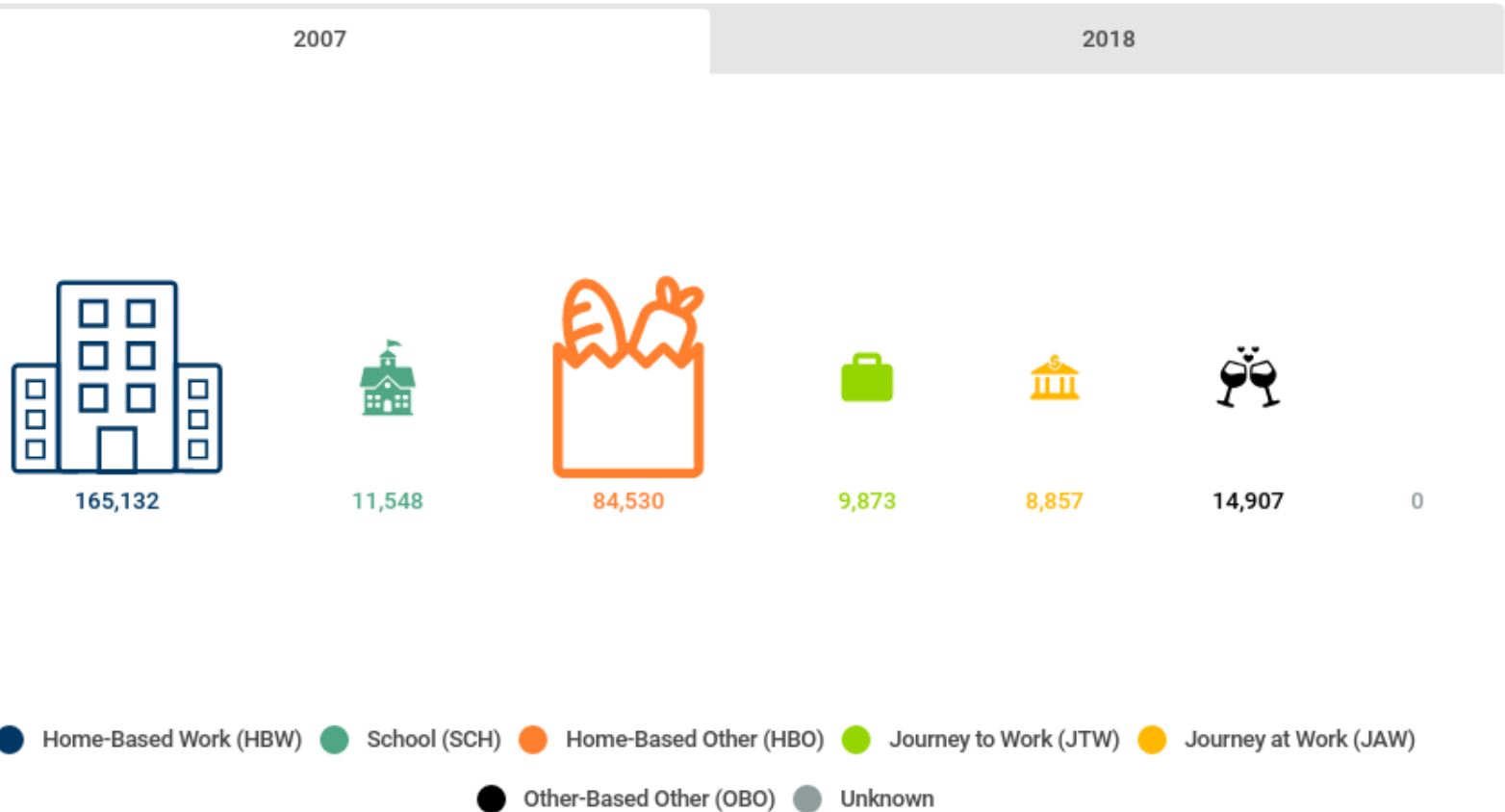
Increase in Unknown Ridership

# Trips by Purpose

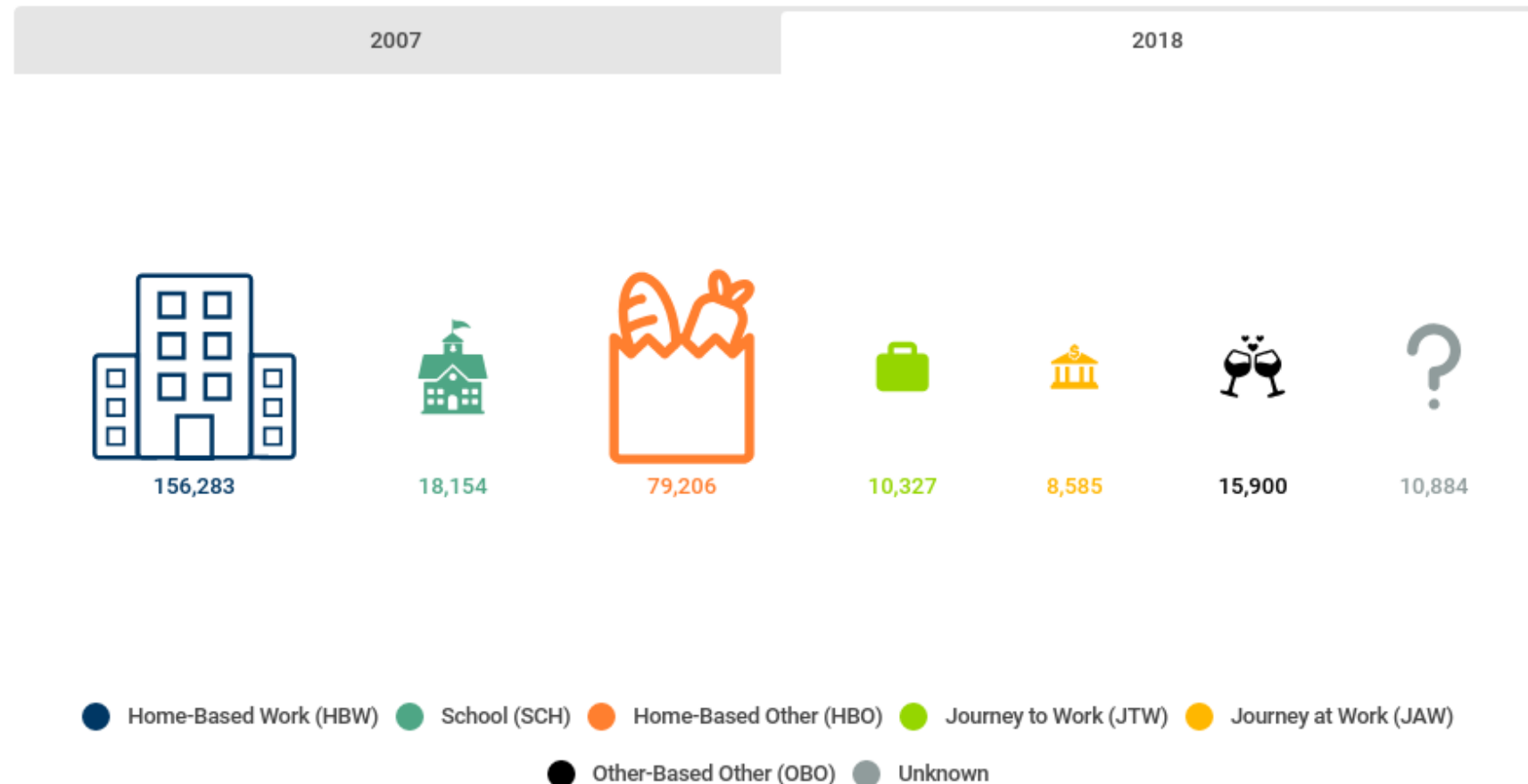
Purpose	2007 Trips	2018 Trips
Home-Based Work (HBW)	165,132	156,283
School (SCH)	11,548	18,154
Home-Based Other (HBO)	84,530	79,206
Journey to Work (JTW)	9,873	10,327
Journey at Work (JAW)	8,857	8,585
Other-Based Other (OBO)	14,907	15,900
Unknown	0	10,884
Total	294,847	299,339



# Trips by Purpose – 2007



# Trips by Purpose – 2018



# Trips by Purpose – Change



-5.36%

Decrease in Home-Based Work (HBW)



+57.2%

Increase in School (SCH)



-6.3%

Decrease in Home-Based Other (HBO)



+4.6%

Increase in Journey to Work (JTW)



-3.07%

Decrease in Journey at Work (JAW)



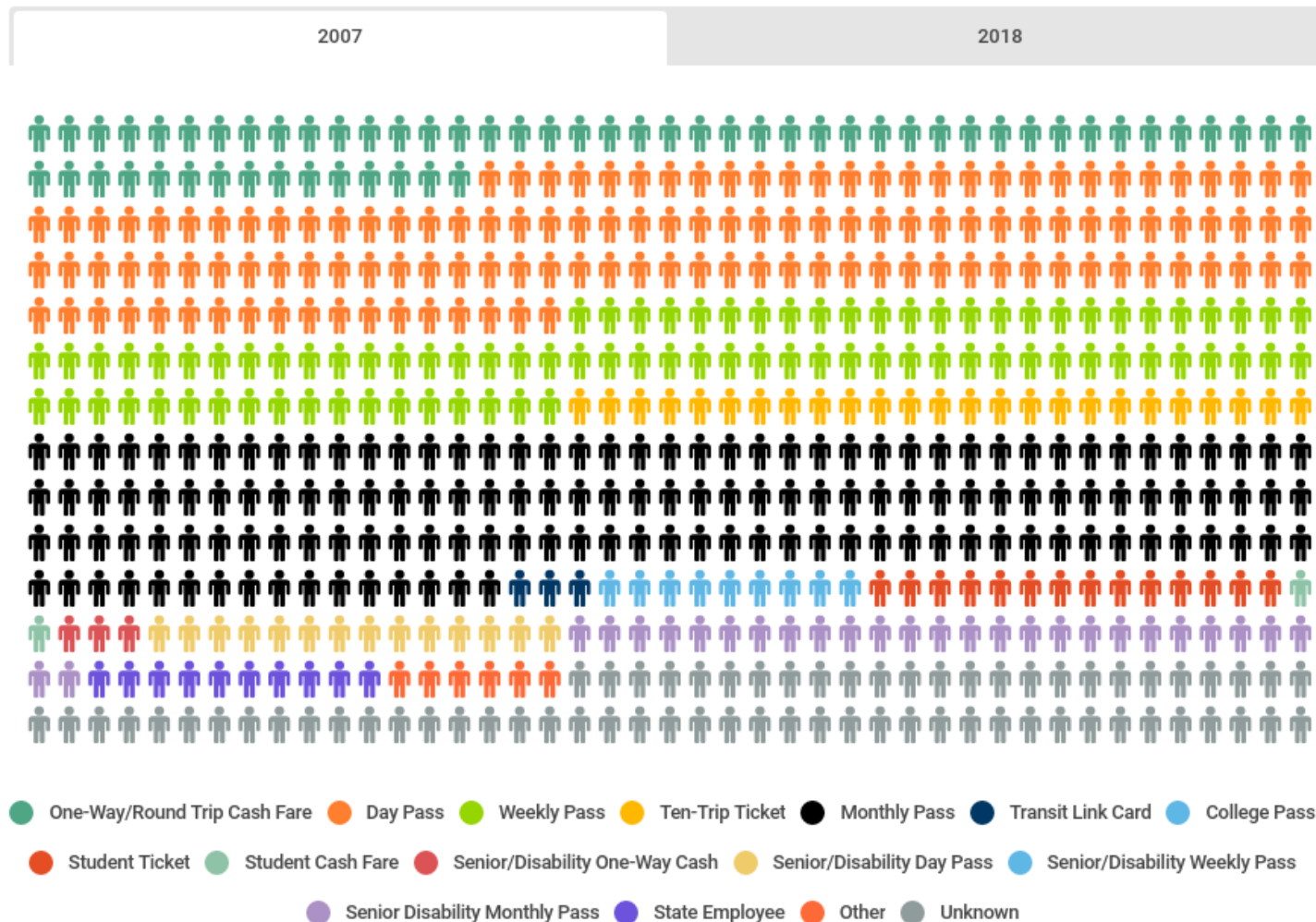
+6.66%

Increase in Other-Based Other (OBO)

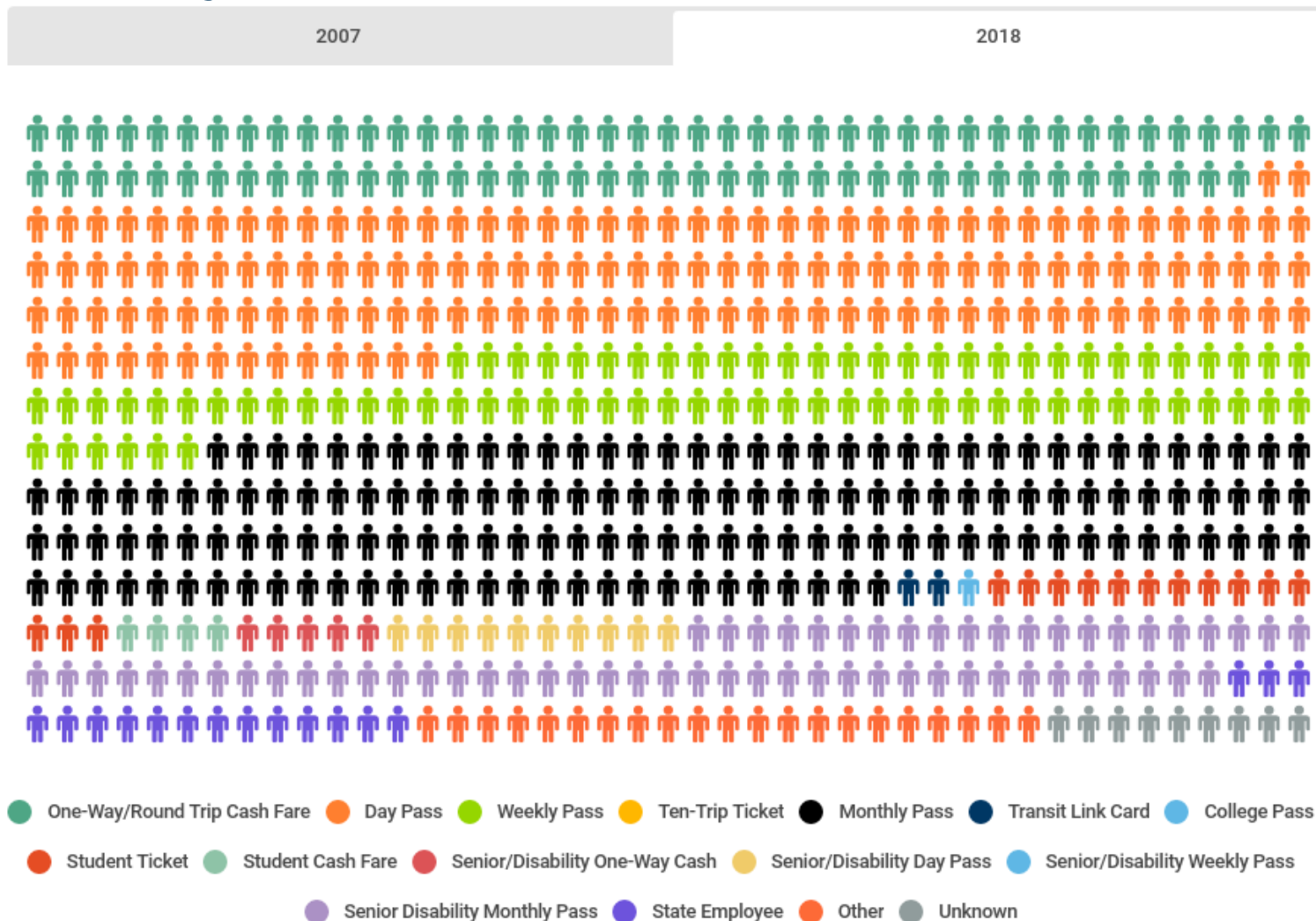
# Fare Type

Purpose	2007 Trips	2018 Trips
One-Way/Round-Trip Cash Fare	28,554	41,552
Day Pass	64,641	71,698
Weekly Pass	42,087	38,289
Ten Trip Ticket	12,014	0
Monthly Pass	71,058	74,674
Transit Link Card	1,435	820
College Pass	4,175	752
Student Ticket	7,061	7,164
Student Cash Fare	1,038	1,966
Senior/Disability	21,751	37,232
State Employee	4,905	7,663
Other	3,022	10,431
Unknown	33,106	4,307
Total	294,847	296,548

# Fare Type – 2007



# Fare Type – 2018





# Fare Type – Change



+45.5%

Increase in One-Way/Round Trip Cash Fare



+10.9%

Increase in Day Pass



-9.0%

Decrease in Weekly Pass



-100.0%

Decrease in Ten-Trip Ticket



+5.1%

Increase in Monthly Pass



-42.9%

Decrease in Transit Link Card



-82.0%

Decrease in College Pass



+1.5%

Increase in Student Ticket



+89.4%

Increase in Student Cash Fare



+56.4%

Increase in Senior/Disability One-Way Cash



-30.6%

Decrease in Senior/Disability Day Pass



+33.8%

Increase Senior/Disability Weekly Pass



+125.5%

Increase Senior/Disability Monthly Pass



+56.2%

Increase in State Employee



+245.2%

Increase in Other



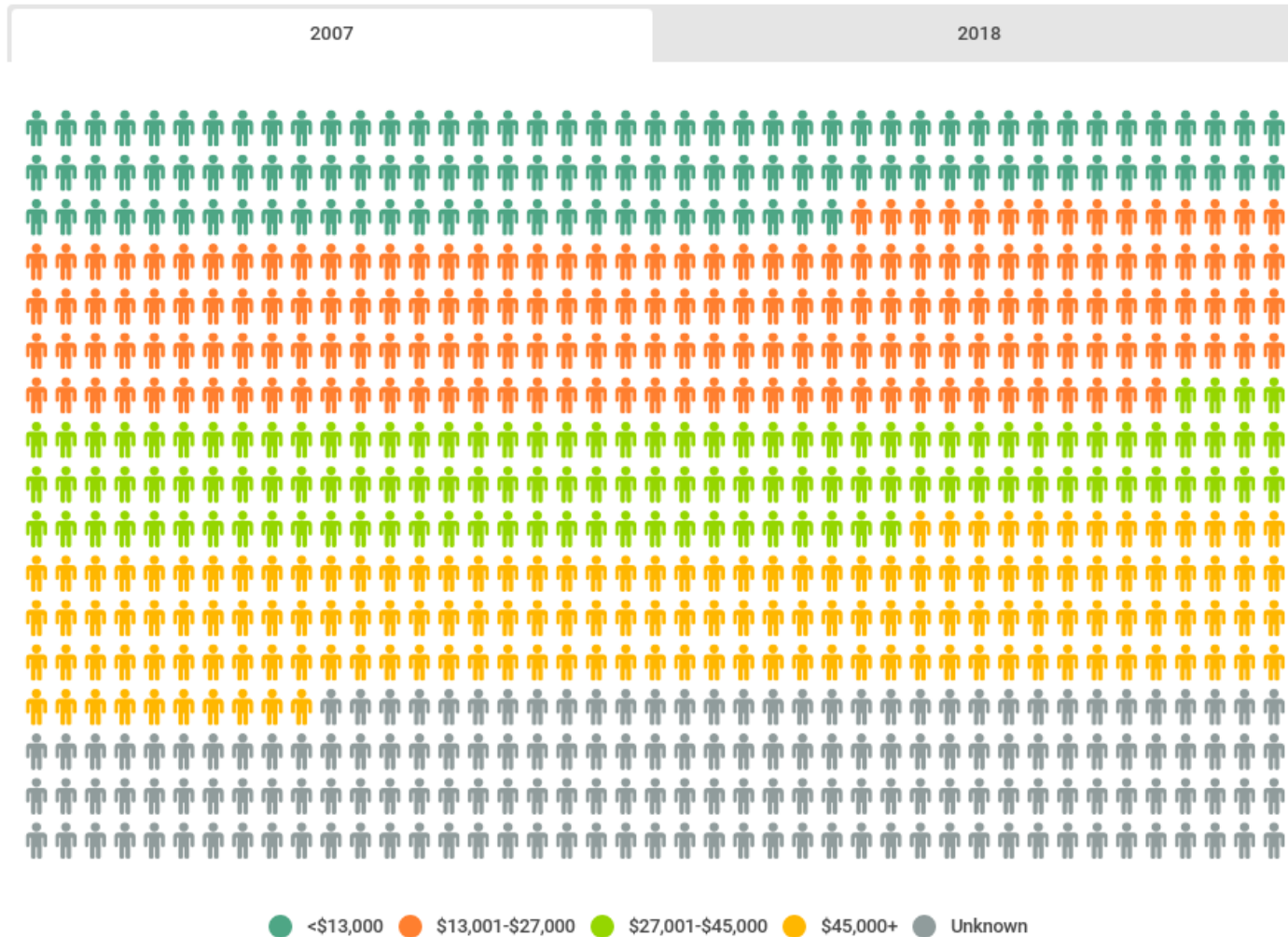
-87.0%

Decrease in Unknown

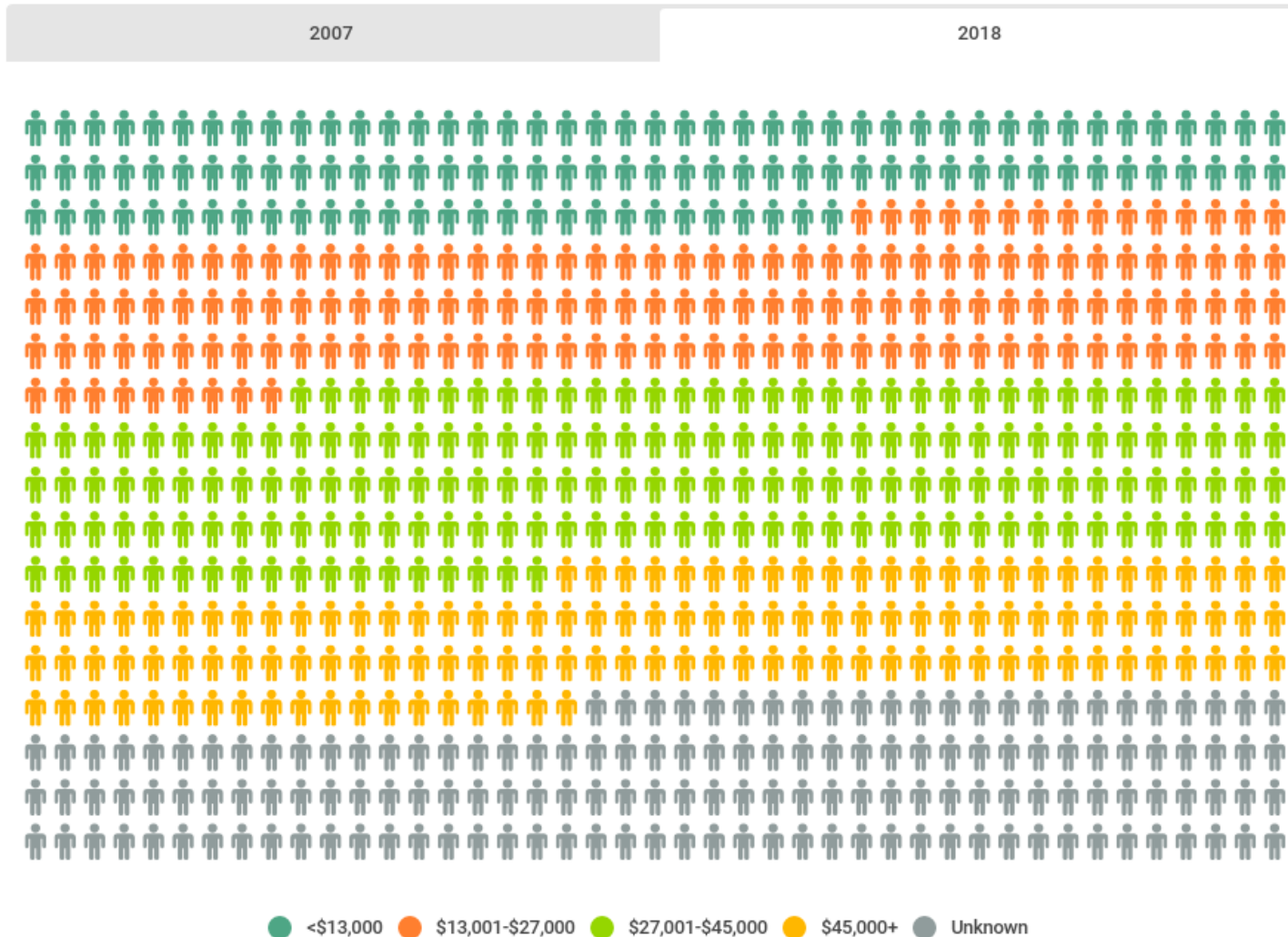
# Rider Income (by boardings)

Purpose	2007 Trips	2018 Trips
\$13,000 or less	46,024	46,551
\$13,001-\$27,000	73,653	62,815
\$27,001-\$45,000	48,596	73,922
More than \$45,000	61,437	53,362
Unknown	65,436	62,686
Total	295,146	299,336

# Rider Income (by boardings) – 2007



# Rider Income (by boardings) – 2018



# Rider Income (by boardings) – Change



+1.1%

Increase in <\$13,000



-14.7%

Decrease in \$13,001-\$27,000



+52.1%

Increase in \$27,001-\$45,000



-13.1%

Decrease in \$45,000+



-4.2%

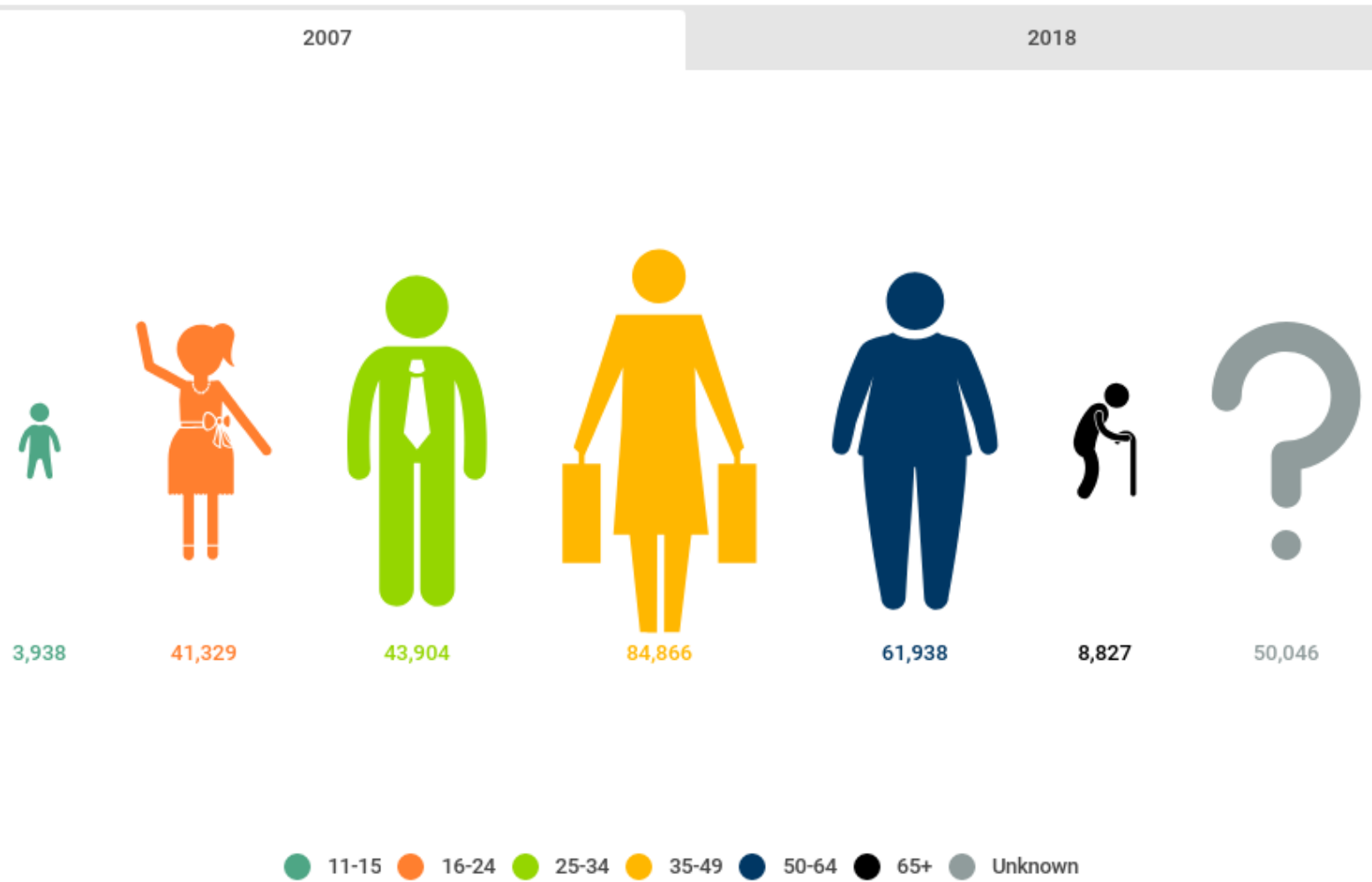
Decrease in Unknown

# Rider Age (by boardings)

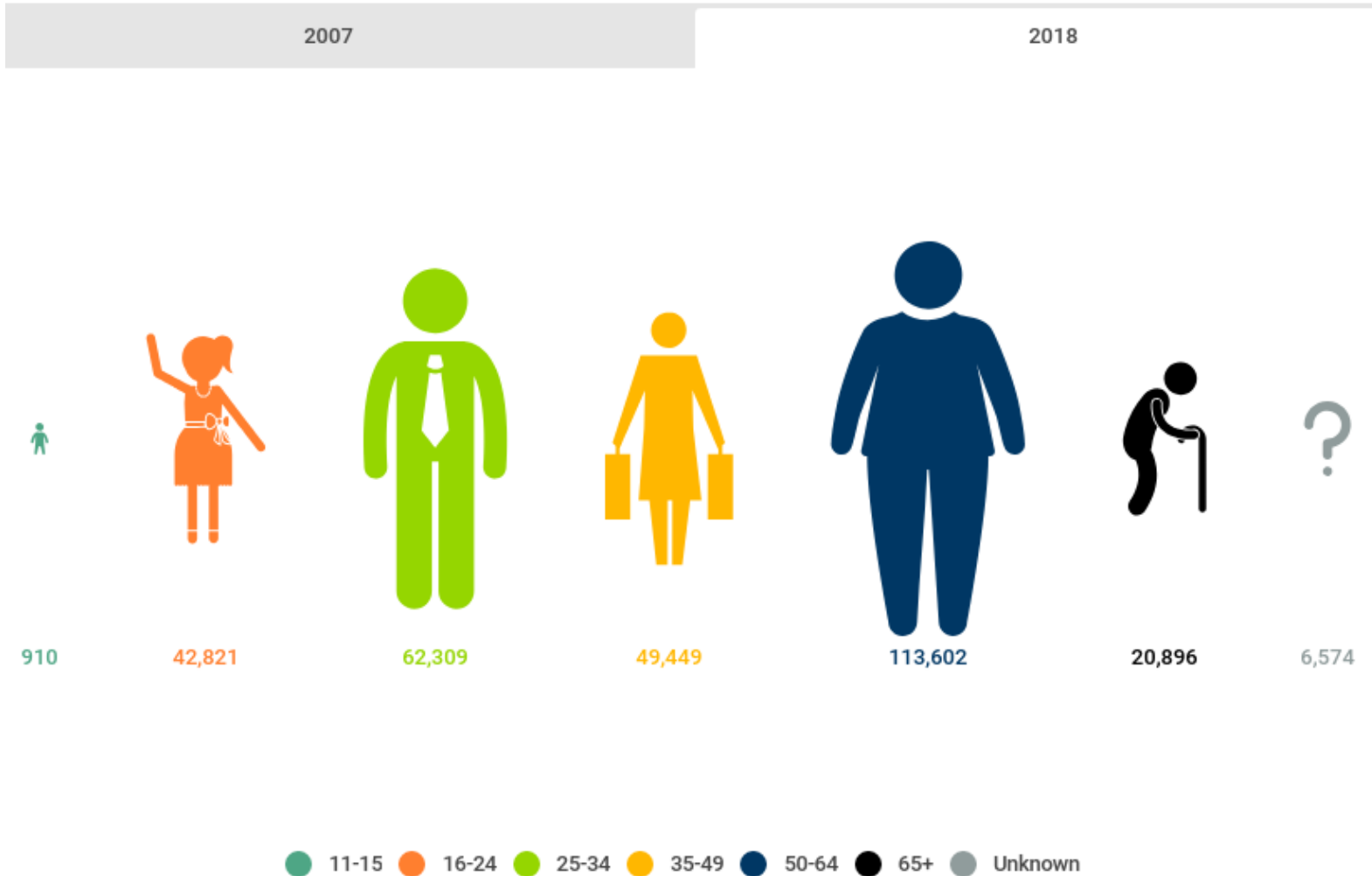
Purpose	2007 Trips	2018 Trips
11-15	3,938	910
16-24	41,329	42,821
25-34	43,904	62,309
35-49	84,866	49,449
50-64	61,938	113,602
65+	8,827	20,896
Unknown	50,046	6,574
Total	294,848	296,561



# Rider Age (by boardings) – 2007



# Rider Age (by boardings) – 2018



# Rider Age (by boardings) – Change



**-76.9%**

Decrease in 11-15



**+3.6%**

Increase in 16-24



**+41.9%**

Increase in 25-34



**-41.7%**

Decrease in 35-49



**+83.4%**

Increase in 50-64



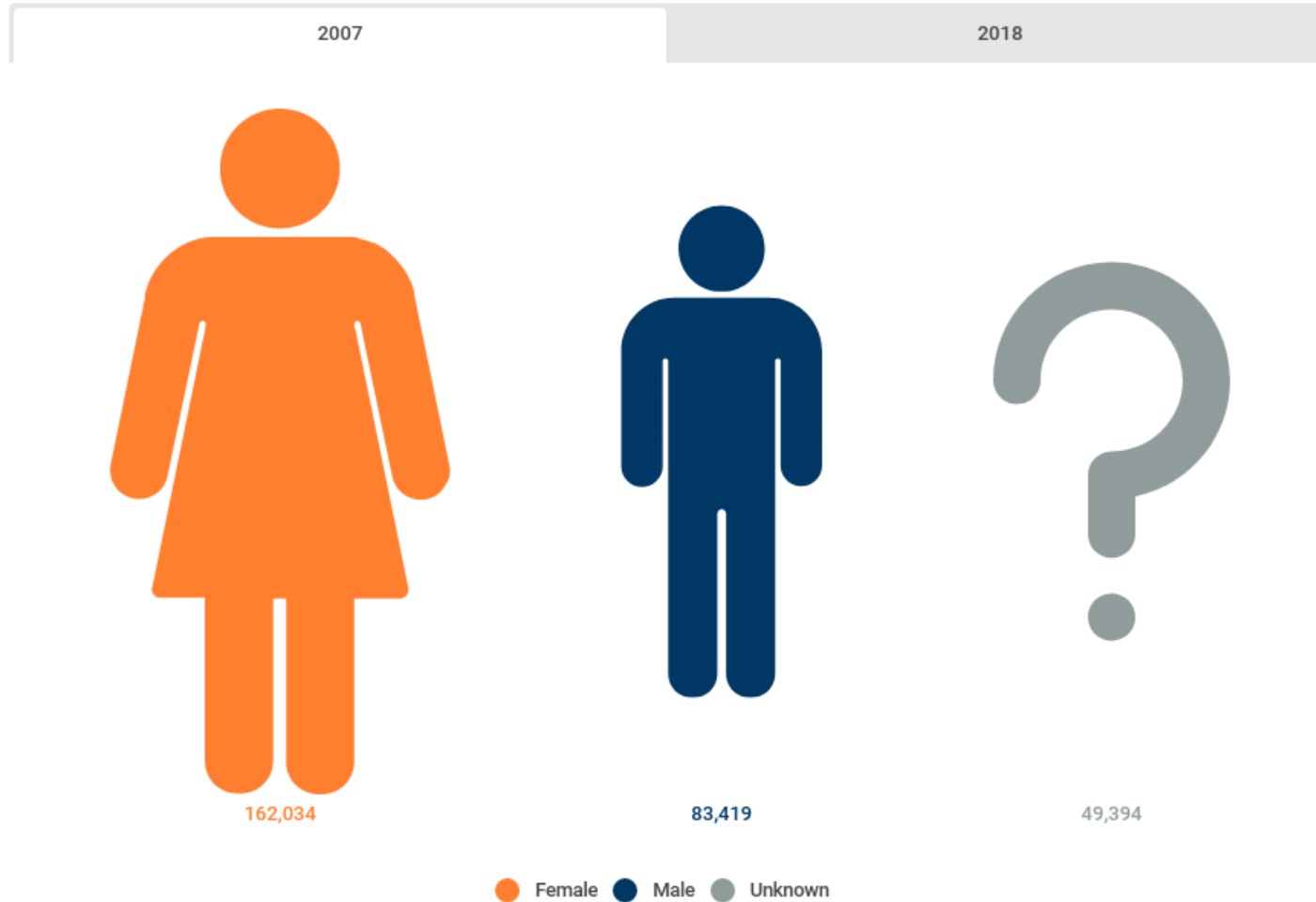
**+136.7%**

Increase in 65+

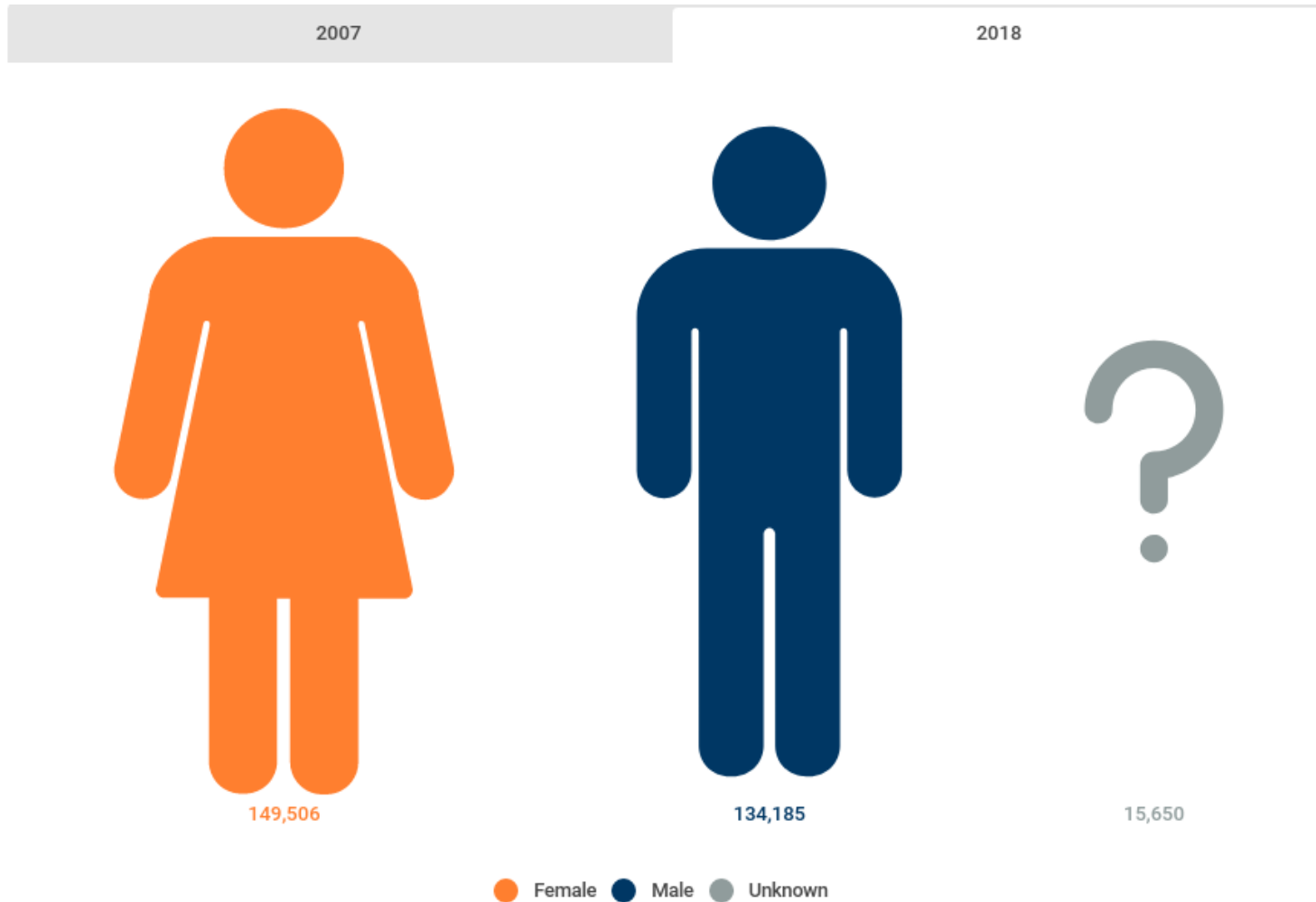
# Rider Gender (by boardings)

Purpose	2007 Trips	2018 Trips
Female	162,034	149,506
Male	83,419	134,185
Unknown	49,394	15,650
Total	294,847	299,341

# Rider Gender (by boardings) – 2007



# Rider Gender (by boardings) – 2018





# Rider Gender (by boardings) – Change



**-7.7%**

Decrease in Female Riders



**+60.9%**

Increase in Male Riders



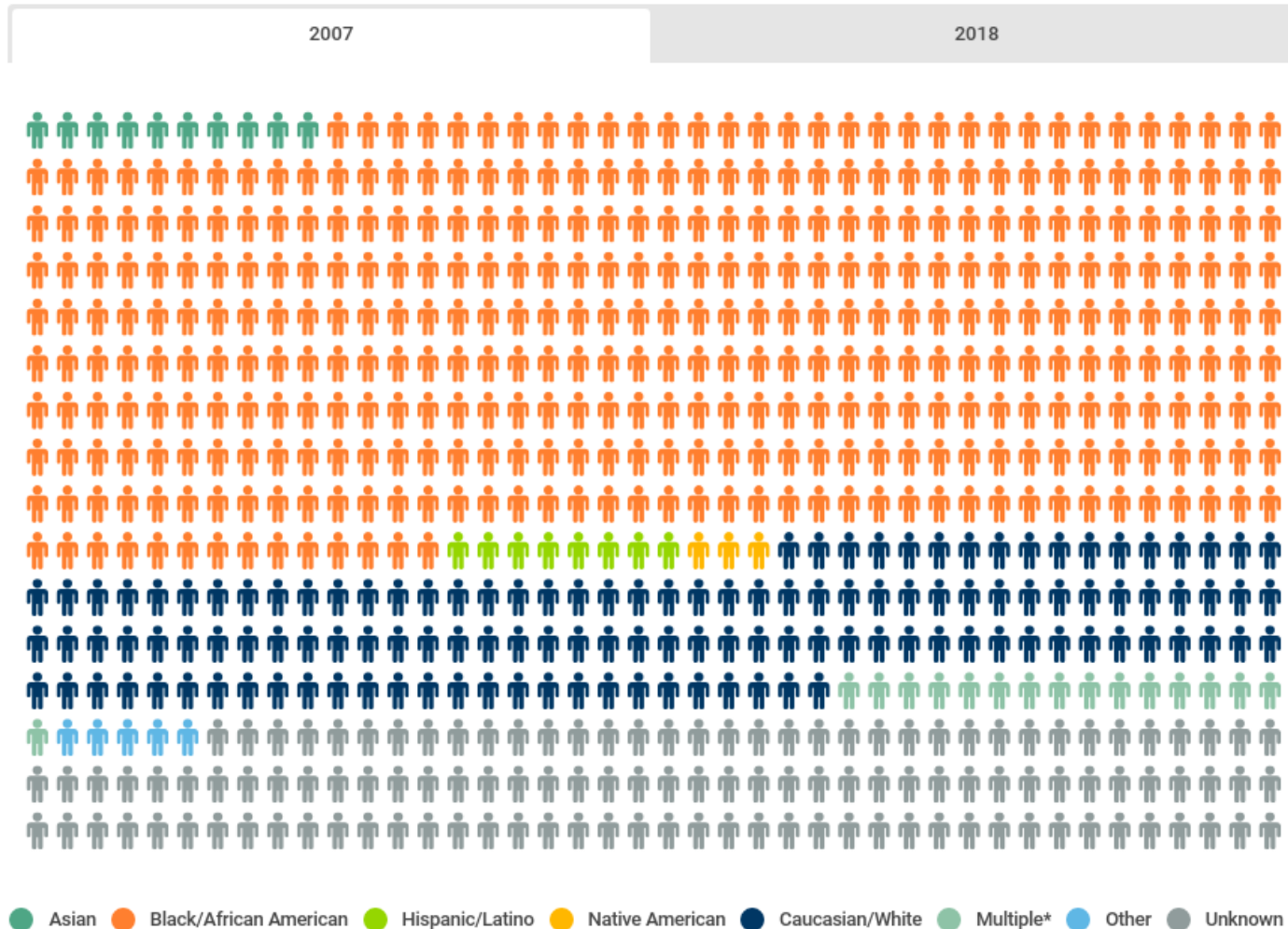
**-68.3%**

Decrease in Unknown Riders

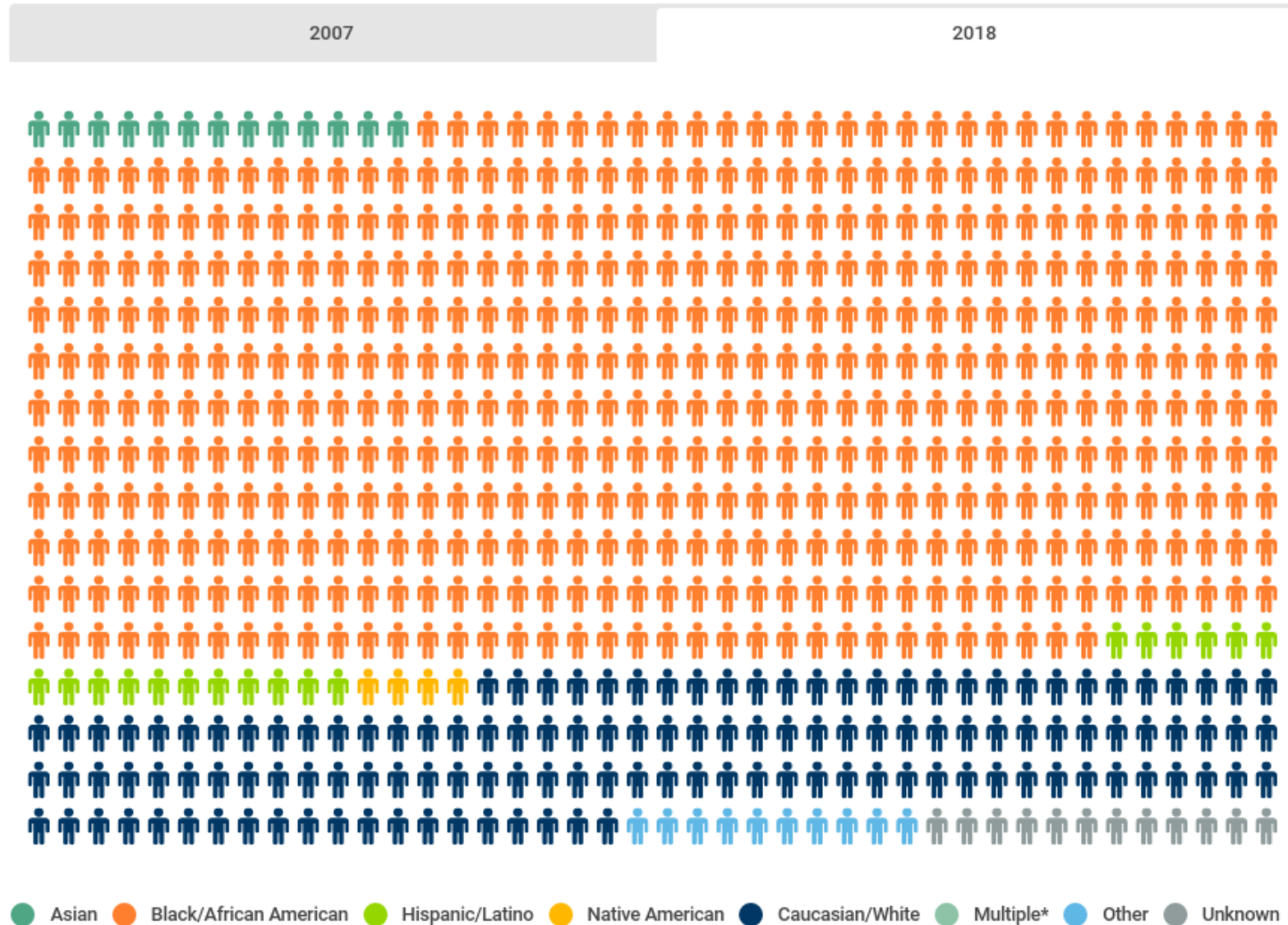
# Rider Race (by boardings)

Purpose	2007 Trips	2018 Trips
Asian	4,482	6,040
Black/African American	167,188	216,329
Hispanic/Latino	3,493	7,827
Native American	1,375	1,785
Caucasian/White	55,710	58,376
Multiple*	7,130	0
Other	2,322	4,475
Unknown	52,335	5,196
Total	294,035	300,028

# Rider Race (by boardings) – 2007



# Rider Race (by boardings) – 2018



# Rider Race (by boardings) – Change



+34.8%

Increase in Asian Ridership



+29.4%

Increase in Black/African American Ridership



+124.1%

Increase in Hispanic/Latino Ridership



+29.8%

Increase in Native American Ridership

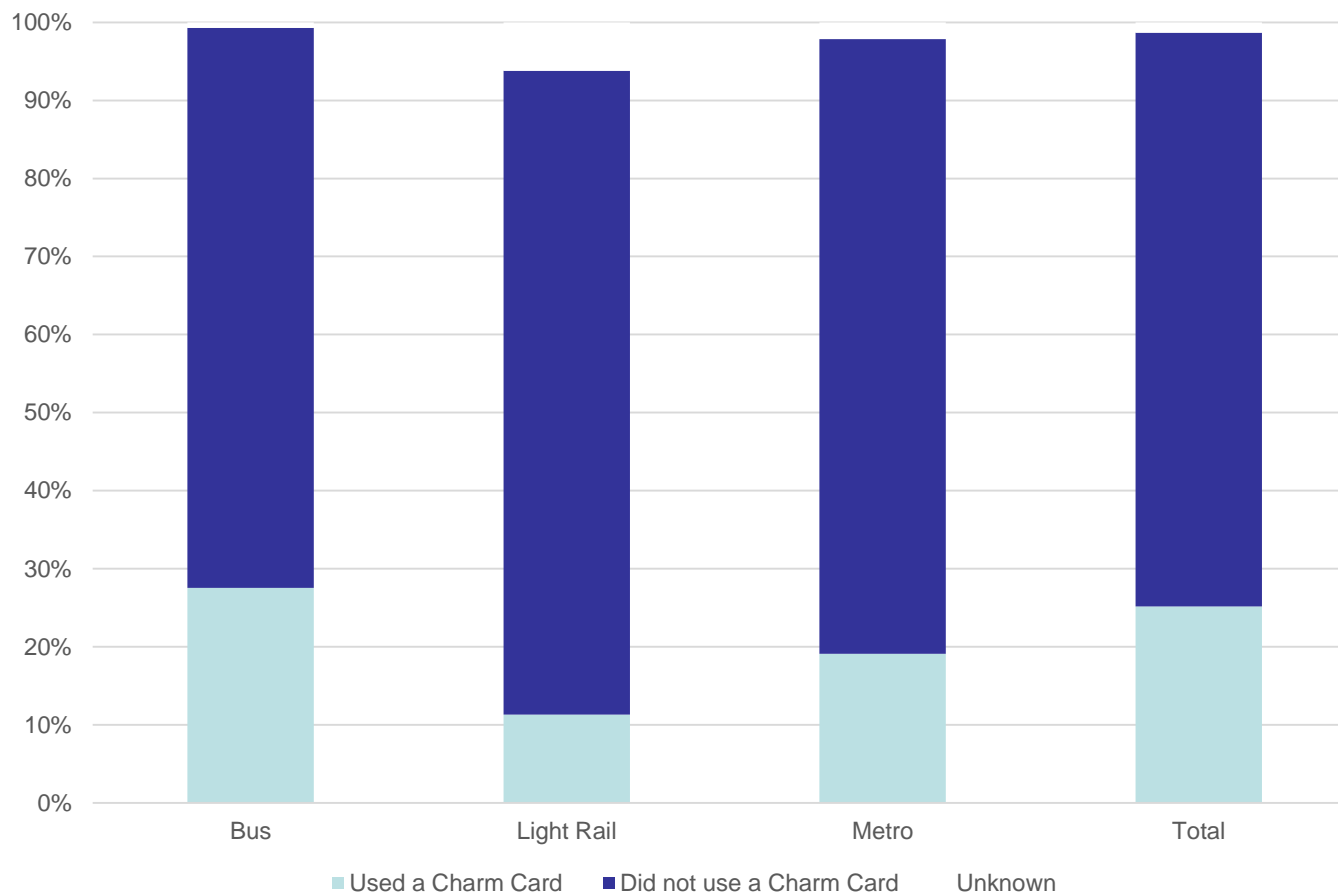


+4.8%

Increase in Caucasian/White Ridership

# Charm Card Use

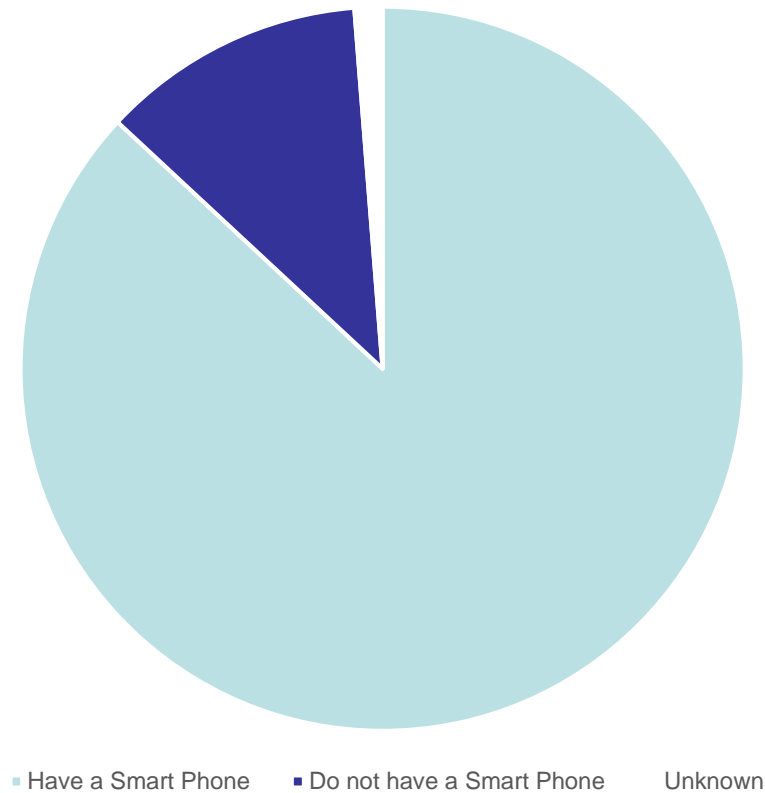
2018 On-Board Survey: Charm Card Use



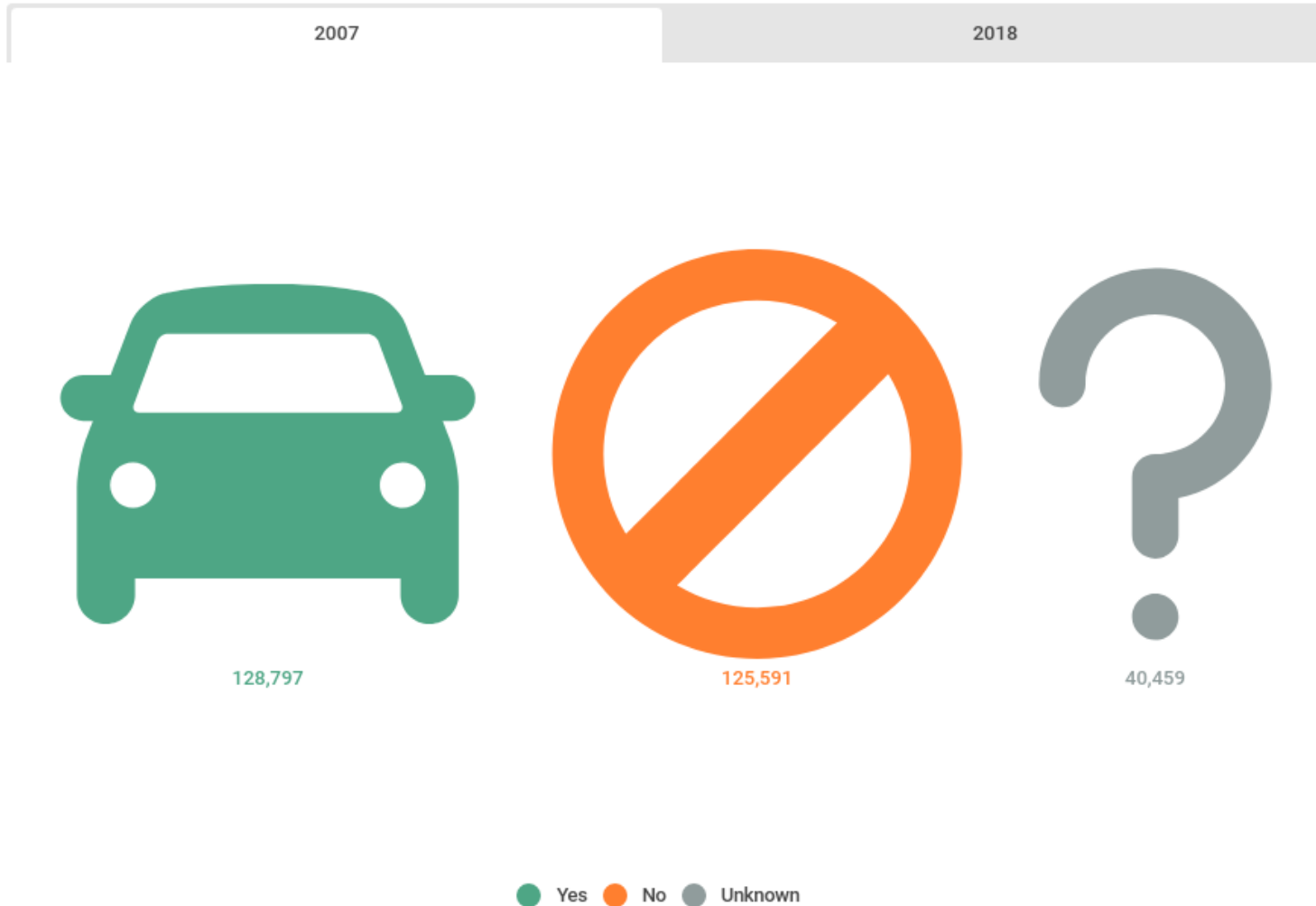


# Smart Phone Ownership

2018 On-Board Transit Survey: Bus Riders' Smart Phone Ownership



# Vehicle Availability – 2007



# Vehicle Availability – 2018



# Vehicle Availability – Change



-40.6%

Decrease in Yes (Vehicle)



+71.8%

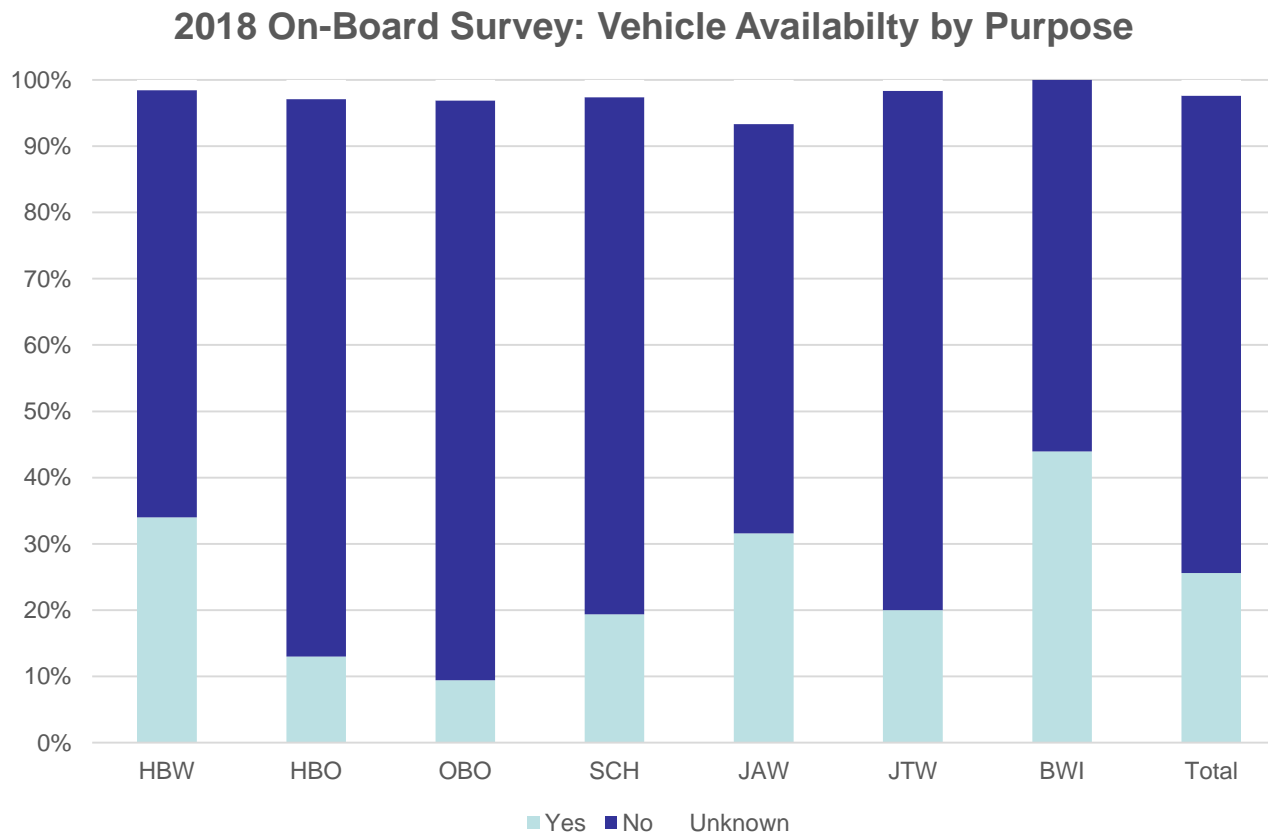
Increase in No (Vehicle)



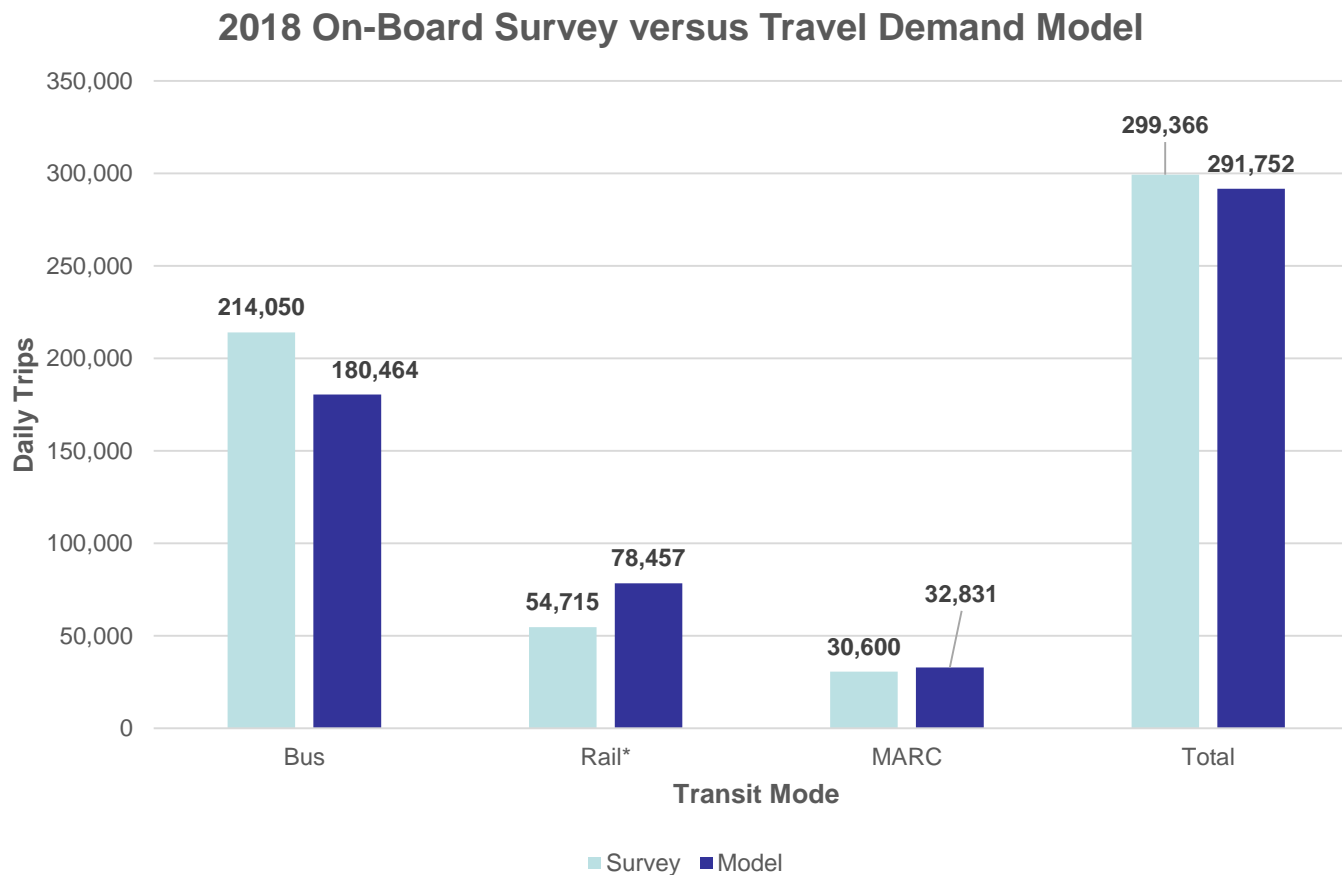
-82.6%

Decrease in Unknown

# Vehicle Availability by Purpose



# Model/Survey Comparison



# For More Information

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