



2018-2019 Maryland Travel Survey (MTS) Results – Travel Differences by Age and Gender

Technical Committee

April 5, 2022

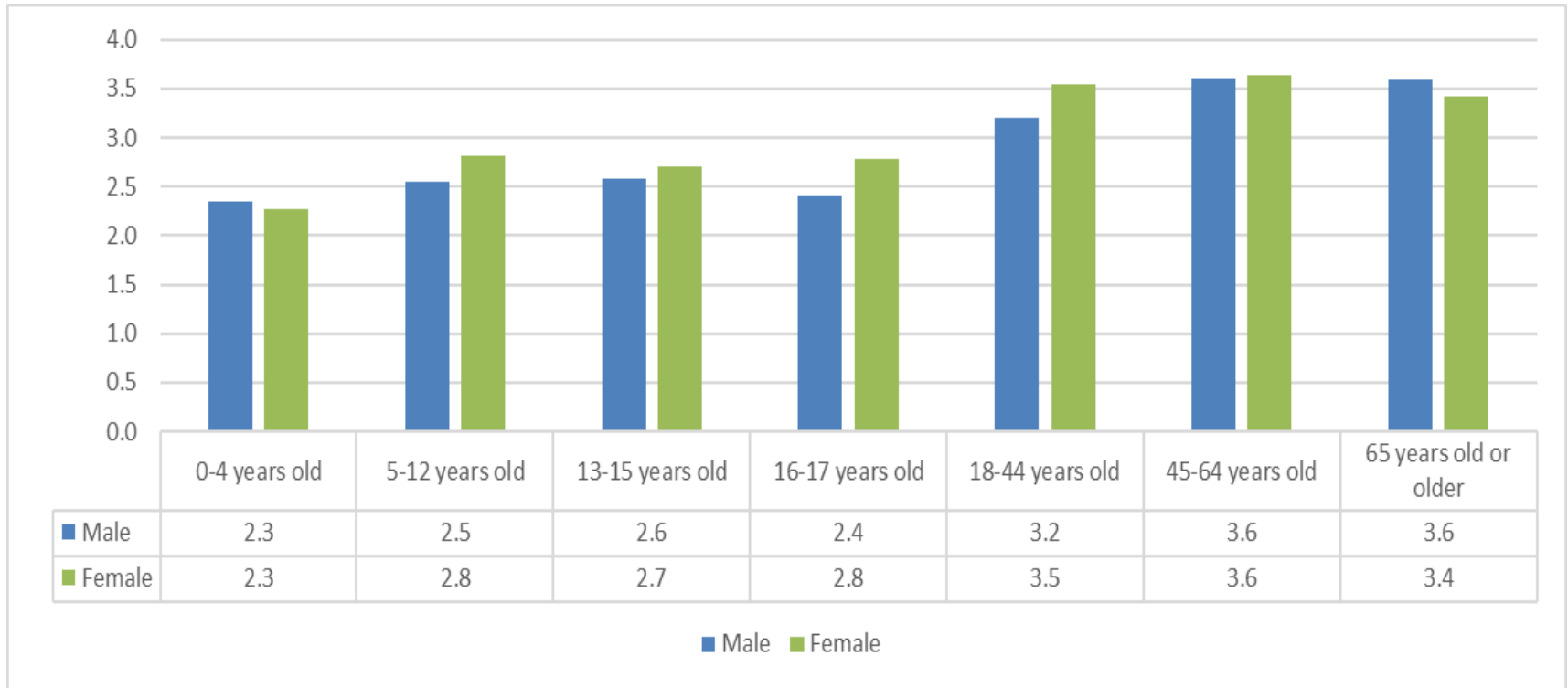


Presentation Outline



- **Baltimore Region Analysis**
 - Travel Analysis by Age and Gender
 - Daily Person Trips
 - Daily Trip Distance (miles)
 - Ability to Travel (Licensed Driver)
 - Daily Trips by Trip Purpose by Age and Gender
 - Daily Trip Distance by Gender and Trip Purpose

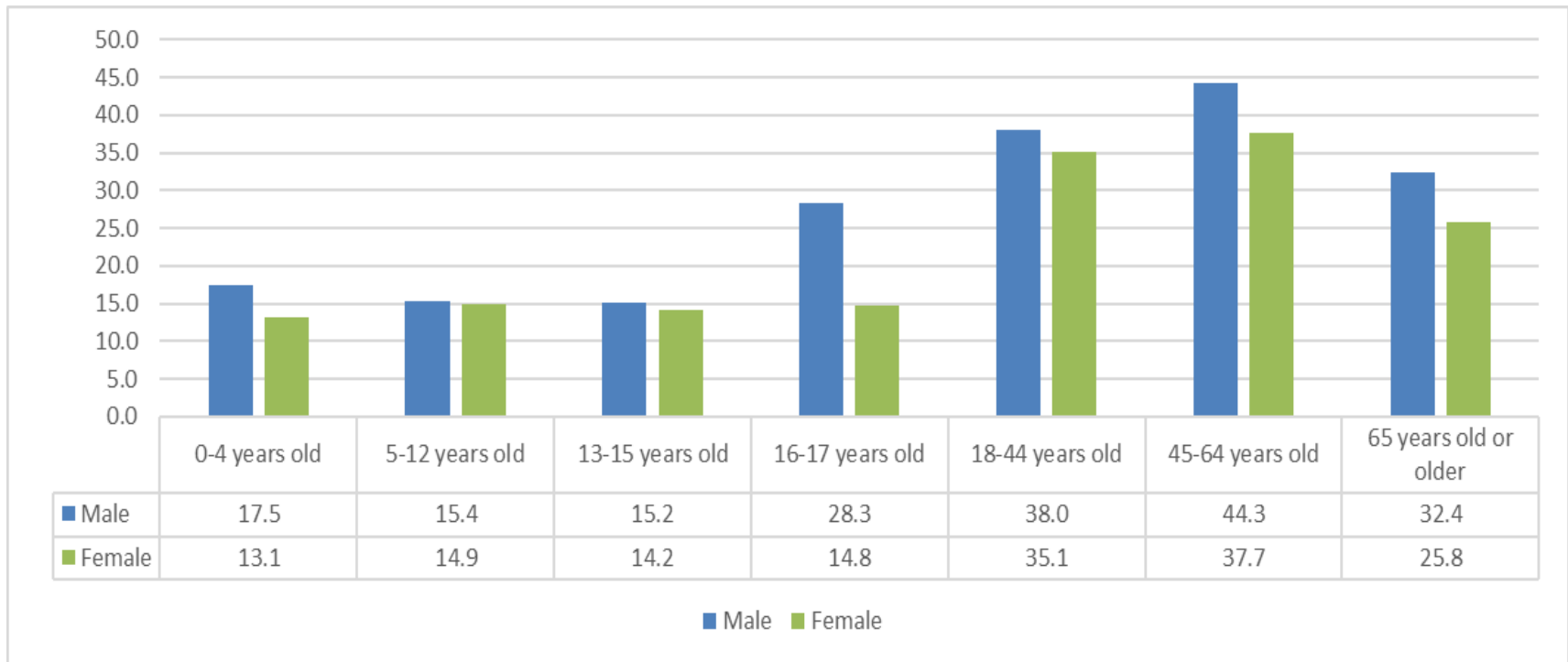
Daily Person Trips by Age and Gender



Summary of Daily Person Trips by Age and Gender

- Between early childhood, i.e., 5-12 year olds and middle age, i.e., 18-44 year olds, Females make more daily trips than Males.
- The difference is most pronounced among
 - 16-17 year olds (2.8 vs 2.4 trips) and
 - 18-44 year olds (3.5 trips vs 3.2 trips)
- In late middle age, i.e., 45-64 year olds, Males and Females make the same number of daily trips (3.6 trips)
- Among Seniors, i.e., 65 years old or older, Males make more daily trips (3.6 trips vs 3.4 trips)

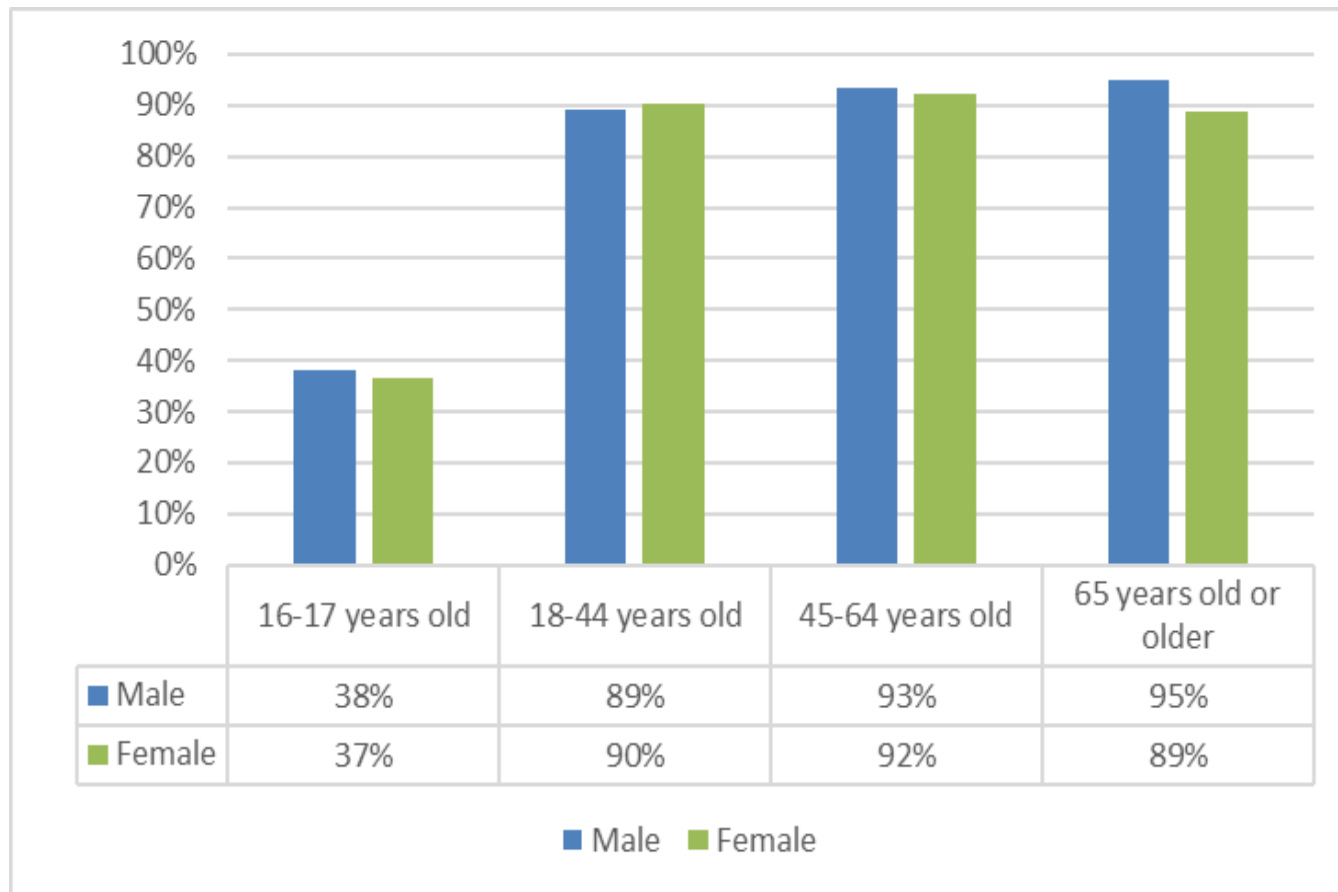
Daily Trip Distance by Age and Gender (miles)



Summary of Daily Trip Distance by Age and Gender (miles)

- At all ages, Males travel more daily miles than Females.
- The difference is most pronounced among
 - 16-17 year olds (28.3 miles vs 14.8 miles)
 - 18-44 year olds (38.0 miles vs 35.1 miles)
 - 45-64 year olds (44.3 miles vs 37.7 miles) and
 - Seniors, i.e., 65 years old or older (32.4 miles vs 25.8 miles)
- Paradox: Females make more Daily Trips, while Males travel greater Daily Trip Distances

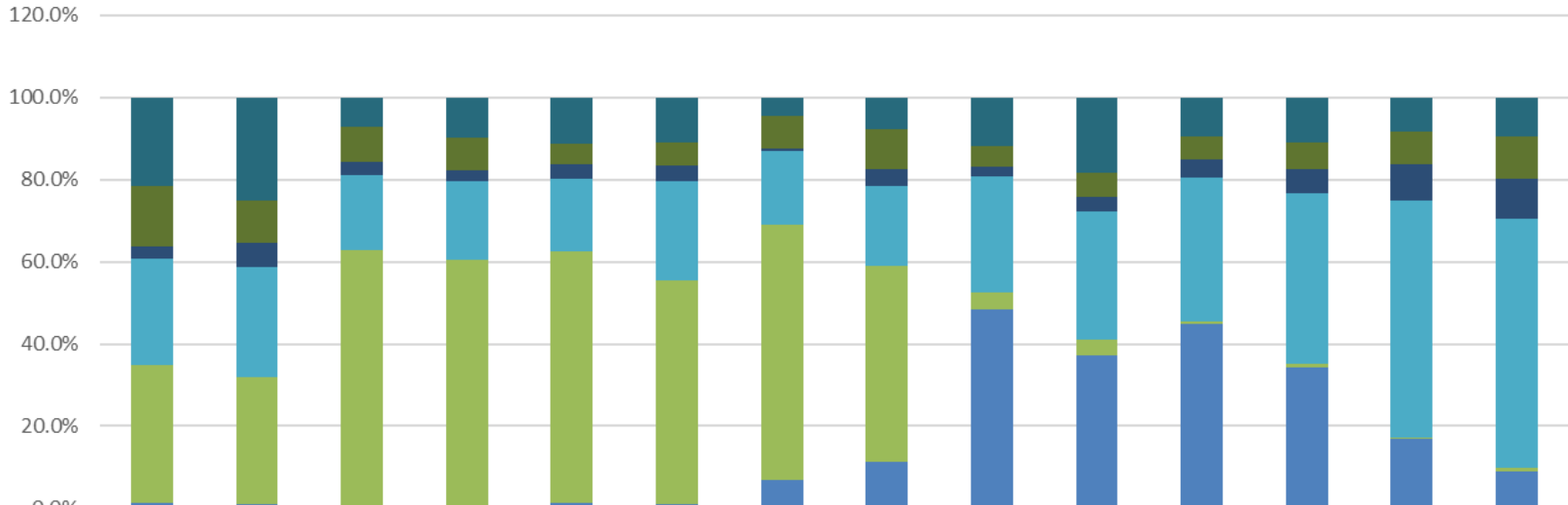
Ability to Travel (licensed driver) by Age and Gender



Summary of Ability to Travel (licensed driver) by Age and Gender

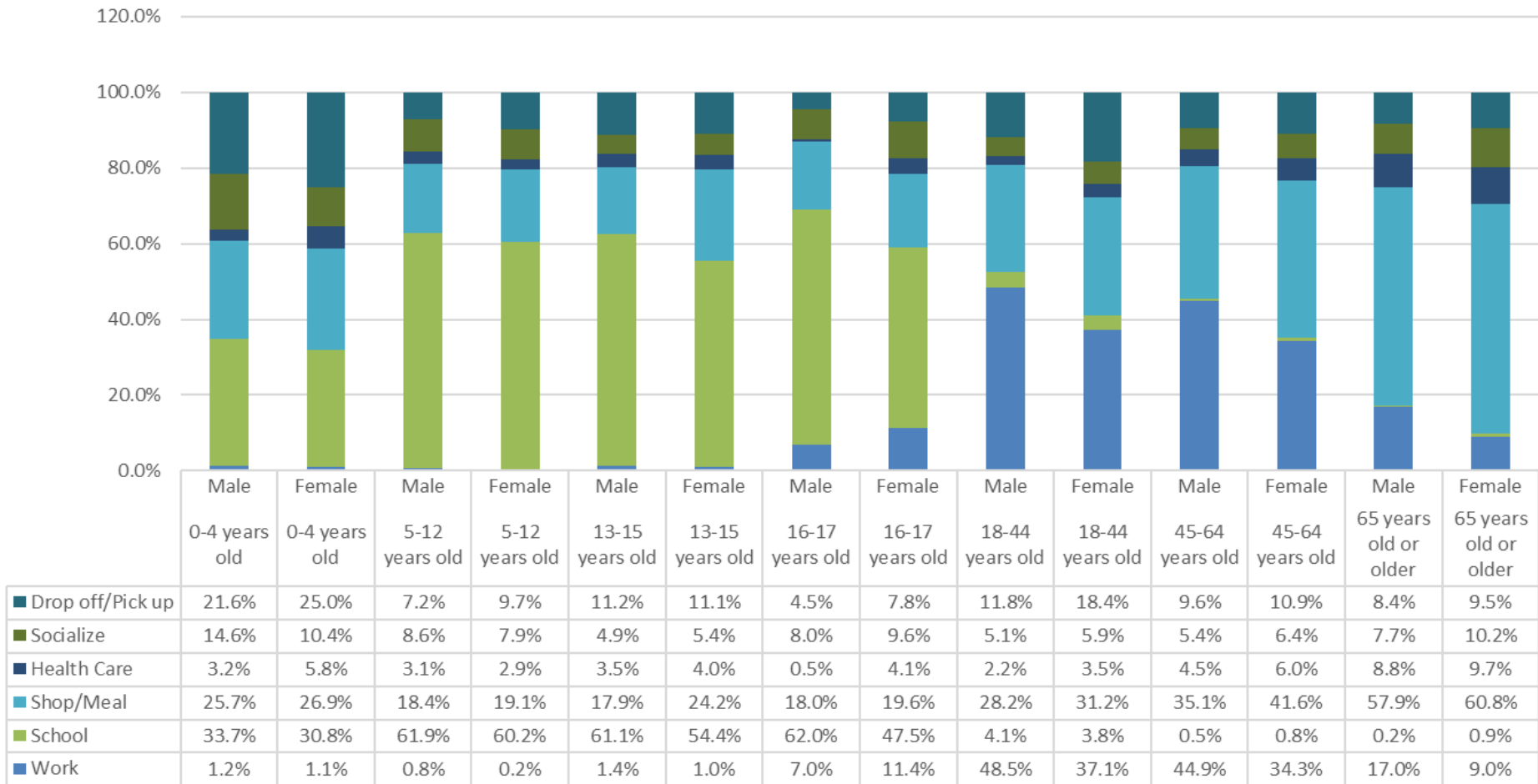
- With the exception of Seniors, Males and Females are equally likely to be licensed drivers.
- Among Seniors, i.e., those 65 years old or older, Males (95%) are somewhat more likely than Females (89%) to be licensed drivers.
- The shares of Male and Female licensed drivers are shown below:
 - 16-17 years old: Male (38%), Female (37%)
 - 18-44 years old: Male (89%), Female (90%)
 - 45-64 years old: Male (93%), Female (92%), and
 - 65 years old or older: Male (95%), Female (89%)

Daily Person Trips by Trip Purpose by Age and Gender (PCT) (Part 1)



	Male 0-4 years old	Female 0-4 years old	Male 5-12 years old	Female 5-12 years old	Male 13-15 years old	Female 13-15 years old	Male 16-17 years old	Female 16-17 years old	Male 18-44 years old	Female 18-44 years old	Male 45-64 years old	Female 45-64 years old	Male 65 years old or older	Female 65 years old or older
Drop off/Pick up	21.6%	25.0%	7.2%	9.7%	11.2%	11.1%	4.5%	7.8%	11.8%	18.4%	9.6%	10.9%	8.4%	9.5%
Socialize	14.6%	10.4%	8.6%	7.9%	4.9%	5.4%	8.0%	9.6%	5.1%	5.9%	5.4%	6.4%	7.7%	10.2%
Health Care	3.2%	5.8%	3.1%	2.9%	3.5%	4.0%	0.5%	4.1%	2.2%	3.5%	4.5%	6.0%	8.8%	9.7%
Shop/Meal	25.7%	26.9%	18.4%	19.1%	17.9%	24.2%	18.0%	19.6%	28.2%	31.2%	35.1%	41.6%	57.9%	60.8%
School	33.7%	30.8%	61.9%	60.2%	61.1%	54.4%	62.0%	47.5%	4.1%	3.8%	0.5%	0.8%	0.2%	0.9%
Work	1.2%	1.1%	0.8%	0.2%	1.4%	1.0%	7.0%	11.4%	48.5%	37.1%	44.9%	34.3%	17.0%	9.0%

Daily Person Trips by Trip Purpose by Age and Gender (PCT) (Part 2)



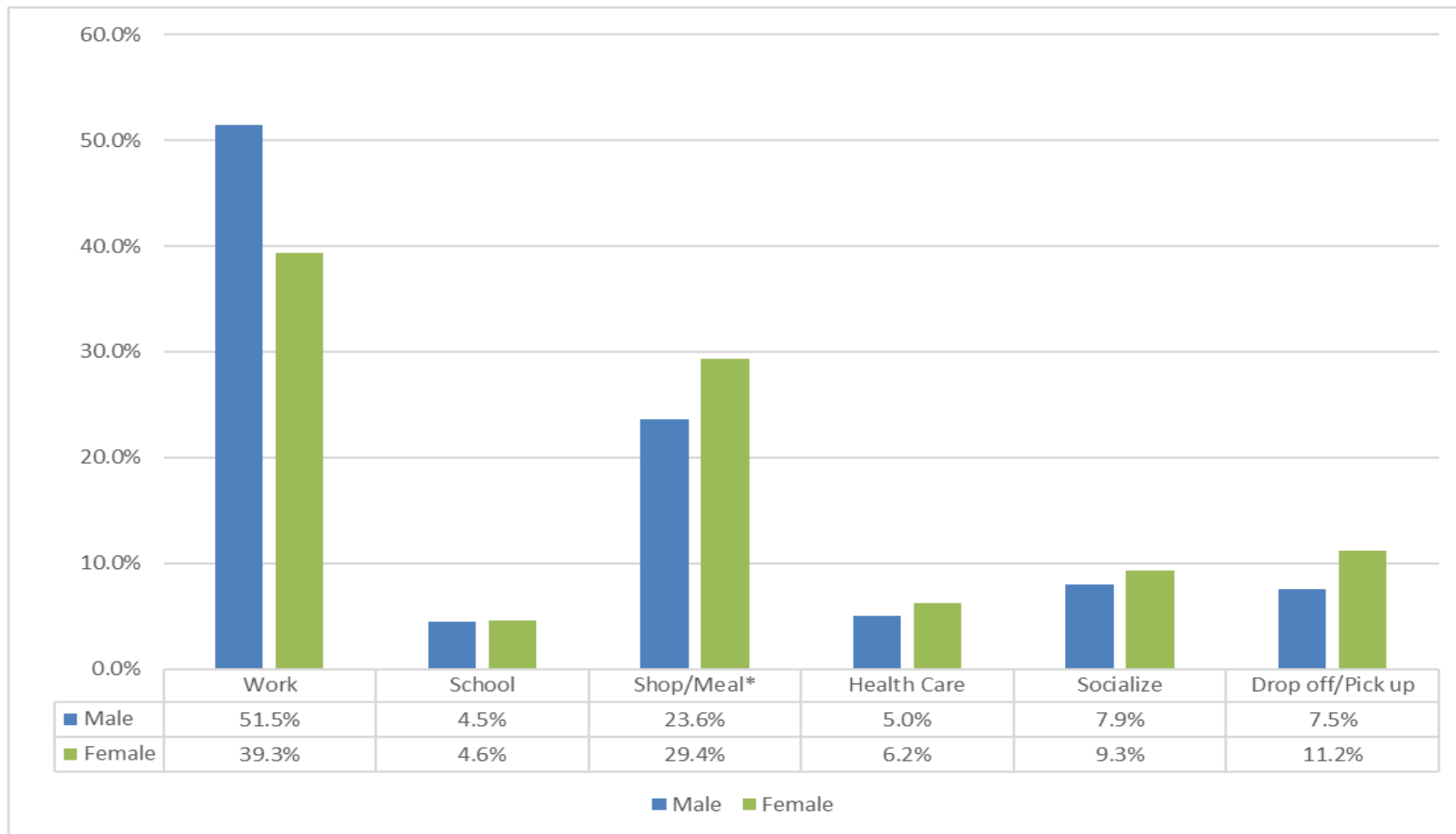
Summary of Daily Person Trips by Trip Purpose by Age and Gender (PCT) (Part 1)

- At most ages, Males make a larger share of work trips than Females. The largest differences are seen among 18-44 year olds (48.5% vs 37.1%) and 45-64 year olds (44.9% vs 34.3%).
- The trend is also seen among 5-12 year olds (0.8% vs 0.2%), when children may be accompanying a parent to work.
- An exception is 16-17 year olds, where Males make a smaller share of work trips than Females (7.0% vs 11.4%).
- At most ages, Females make a larger share of trips for Shopping and Meals than Males.
- The largest differences are seen among 45-64 year olds (41.6% vs 35.1%) and 13-15 year olds (24.2% vs 17.9%).

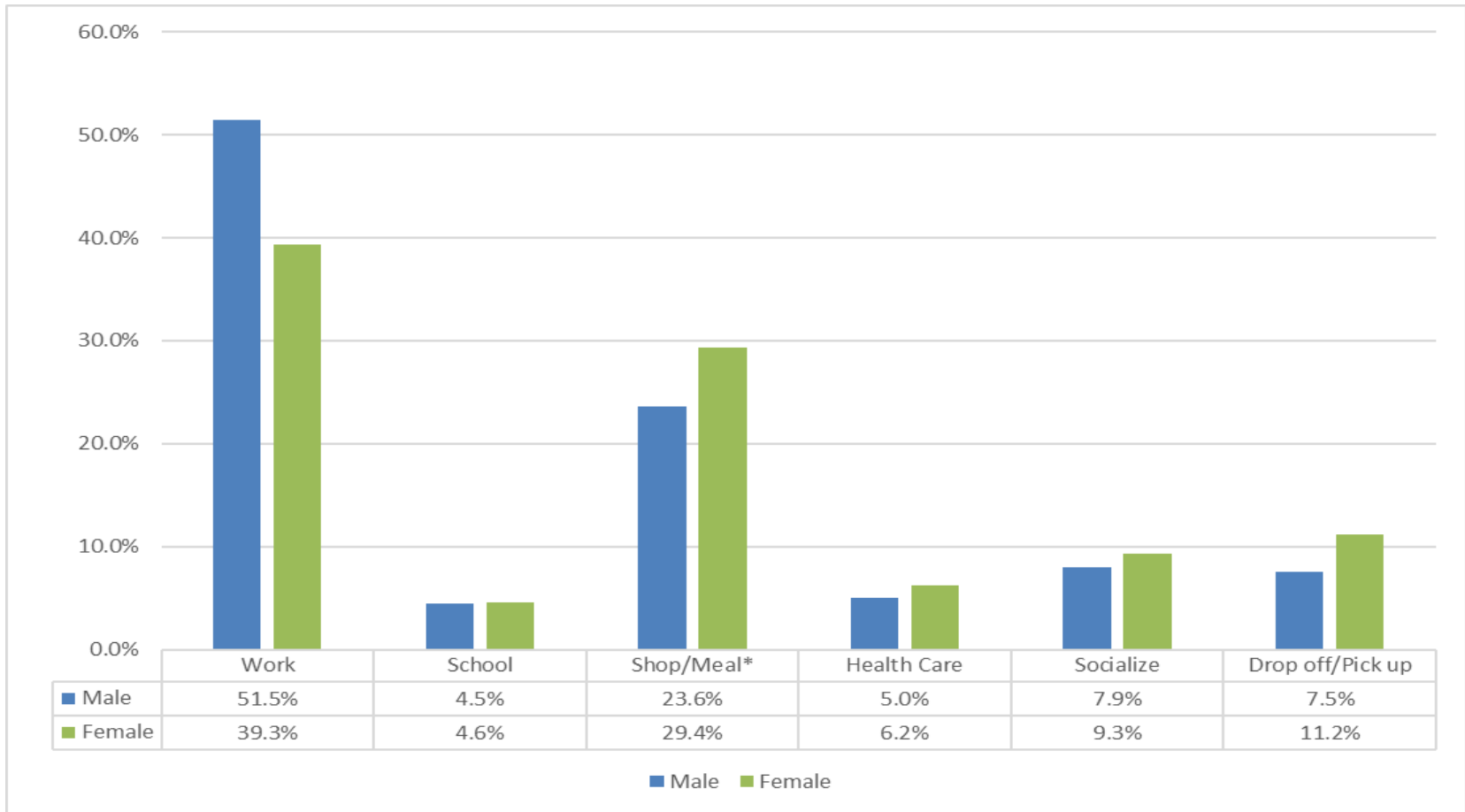
Summary of Daily Person Trips by Trip Purpose by Age and Gender (PCT) (Part 2)

- Females make a larger share of trips to Drop off or Pick up others than Males. The largest differences are seen among 18-44 year olds (18.4% vs 11.8%).
- Females also make a slightly larger share of social trips than Males. The largest differences are seen among the elderly, i.e. 65 year olds and older (10.2% vs 7.7%), 16-17 year olds (9.6% vs 8.0%) and 45-64 year olds (6.4% vs 5.4%)
- An exception is 0-4 year olds, when children may be accompanying a parent and where Males make a larger share of social trips than Females (14.6% vs 10.4%).

Daily Trip Distance by Gender and Trip Purpose (PCT) (Part 1)



Daily Trip Distance by Gender and Trip Purpose (PCT) (Part 2)



Summary of Daily Trip Distance by Gender and Trip Purpose (PCT) (Part 1)

- The largest share of the Male and Female travel days are Work trips, but they represent a much larger share of the distance covered by Males (51.5% vs 39.3%).
- The second largest share of the Male and Female travel days are Shop/Meal trips, but these represent a much larger share of the distance covered by Females (29.4% vs 23.6%).
- The third largest share of the Male and Female travel days are trips to Drop off/Pick up others, but they represent a much larger share of the distance covered by Females (11.2% vs 7.5%).
- The next largest share of Male and Female travel days are Health Care trips, but they also represent a much larger share of the distance covered by Females (6.2% vs 5.0%).

Summary of Daily Trip Distance by Gender and Trip Purpose (PCT) (Part 2)

- Finally, School trips represent approximately the same share of the distance covered by Males and Females (4.5% vs 4.6%).
- Conclusion: The paradox that Females make more Daily Trips, while Males travel greater Daily Distances, is explained by the longer work trips of Males.

Travel Differences by Age and Gender - Summary Table

Age	Daily Trips		Daily Trip Distance (miles)		Licensed Driver	
	Male	Female	Male	Female	Male	Female
0-4 years old	2.3	2.3	17.5	13.1	0%	0%
5-12 years old	2.5	2.8	15.4	14.9	0%	0%
13-15 years old	2.6	2.7	15.2	14.2	0%	0%
16-17 years old	2.4	2.8	28.3	14.8	38%	37%
18-44 years old	3.2	3.5	38.0	35.1	89%	90%
45-64 years old	3.6	3.6	44.3	37.7	93%	92%
65 years old or older	3.6	3.4	32.4	25.8	95%	89%

For More Information

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