

## Baltimore County FFY2024 Problem Identification

### Overall

Baltimore County accounted for 13.7% of the population and 14.4% of the vehicle miles traveled (VMT) in the State of Maryland on average over the past three years (2019-2021). During that time, an annual average of 67 traffic fatalities have occurred in the County, which have seen an increase, ranging from 60 (11.2% of all fatalities in the State) to 63 (11.0%) to 78 (13.9%). The number of serious injuries (defined as KABCO=4 on the police crash report) over the past three years in Baltimore County has fallen and risen, ranging from 484 to 418 to 483, which are 15.5%, 15.4%, and 15.8% of the State total for serious injuries in 2019, 2020, and 2021 respectively.

Usually several hundred thousand citations for traffic violations are issued across the State and adjudicated in Maryland District Courts each year (435,907 in 2019 and 320,078 in 2020). However, only 308,384 citations were issued and adjudicated in the year 2021 across the State. Over the previous three years, the number of traffic citations issued in Baltimore County has seen a significant decrease from 41,865 (9.6% of statewide traffic citations) in 2019 to 31,752 (9.9%) in 2020 to 31,489 (10.2%) in 2021. These citations were issued anywhere within the boundaries of Baltimore County to a resident of any jurisdiction, state, or country.

### Aggressive Driving

Aggressive driving fatalities in Baltimore County during the past three years have been decreasing, with 7 occurring in 2019, 7 in 2020, and 3 in 2021. Serious injuries resulting from such crashes in the County have increased, ranging from 26 in 2019 to 36 in 2020 and 42 in 2021. Aggressive driving crashes occurring in 2021 accounted for 9.1% of all fatalities and 24.7% of all serious injuries in the State.

Aggressive driving citations are rarely issued because a driver must be observed committing three or more specific infractions to qualify under the aggressive driving statute. In Maryland, 738 such citations were issued on average over the past three years. Of those, an average of 107 were issued in Baltimore County (119 in 2019, 130 in 2020, and 72 in 2021).

### Distracted Driving

Since 2019, there have been an annual average of about 25 distracted driving fatalities occurring in Baltimore County. In 2021, distracted driving in the County added 33 deaths to the State's distracted driving fatalities, a point on a trend that has been increasing over the previous three years (17 in 2019 and 25 in 2020). Serious injuries resulting from distracted driving crashes in the County have varied over the past three years, from 225 in 2019 (15.0% of all distracted driving serious injuries in the State) to 169 in 2020 (13.9% of all) to 196 in 2021 (14.1% of all). In 2021, 42.3% of all fatalities and 40.6% of all serious injuries recorded in Baltimore County resulted from distracted driving crashes.

Distracted driving citations issued in Maryland during the past three years have decreased significantly, ranging from 33,974 in 2019 to 19,432 in 2020 and 17,466 in 2021. During the same period, distracted driving citations issued in Baltimore County have seen a significant decrease, ranging from 2,926 in 2019 to 1,858 in 2020 and 1,625 in 2021. As a proportion of the distracted driving citations issued statewide, those handed out in the County accounted for 8.6% in 2019, 9.6% in 2020, and 9.3% in 2021.

## Impaired Driving

Over the past three years, an average of 18 impaired driving fatalities occurred per year in Baltimore County. Fatalities from such crashes have fluctuated, ranging from 13 (8.6% of all impaired driving fatalities in Maryland) in 2019 to 11 (9.1% of all) in 2020 to 31 (17.4% of all) in 2021. Serious injuries resulting from such crashes in the County over the same time period have risen and fallen, ranging from 84 in 2019 (17.2% of all impaired driving serious injuries in the State) to 91 in 2020 (20.4% of all) to 81 in 2021 (17.8% of all). In 2021, 39.7% of all fatalities and 16.8% of all serious injuries in Baltimore County resulted from impaired driving crashes, compared to 31.6% of all fatalities and 14.9% of all serious injuries from impaired driving crashes occurring throughout the State.

Impaired driving relates to driving while impaired by alcohol and/or drugs or controlled dangerous substances. Several citations may be issued at the point of an encounter with an impaired driver. Therefore, all judicial figures related to impaired driving will be quantified using arrests, not individual citations. Impaired driving arrests have seesawed in Maryland over the past three years, from 19,022 in 2019 to 14,017 in 2020 to 14,855 in 2021. During the same period, impaired driving arrests have trended down then up in Baltimore County, ranging from 2,003 in 2019 to 1,234 in 2020 to 1,551 in 2021. As a proportion of impaired driving arrests in the State, the number of impaired driving arrests in the County accounted for 10.5% in 2019, 8.8% in 2020, and 10.4% in 2021. Of the impaired arrests in the County in 2021, 2.6% were of older drivers (ages 65+) while 3.2% were of young drivers (ages 16-20).

## Speeding

During the past three years, Baltimore County averaged 13 speeding related fatalities per year, which have remained almost steady over that time: 14 in 2019, 12 in 2020, and 14 in 2021. Serious injuries resulting from such crashes in the County over the past three years have increased significantly, ranging from 45 in 2019 to 61 in 2020 and 99 in 2021. In 2021, 14.6% of statewide speeding related fatalities and 28.3% of statewide speeding related serious injuries resulted from crashes in Baltimore County. Over the same year, 17.9% of all fatalities and 20.5% of all serious injuries recorded in Baltimore County were the result of crashes involving driving speed.

Speeding citations are very common even though those adjudicated through the District Court do not include automated enforcement. Speeding citations issued in Baltimore County have seen a significant decrease over the past three years, with 16,879 (9.3% of statewide speeding citations), 15,486 (10.2% of statewide), and 13,868 (9.9% of all) issued in 2019, 2020, and 2021, respectively. Statewide speeding citations have decreased significantly over the same

three years: 182,169, 151,093, and 139,797. Speeding citations comprised 44.0% of all Baltimore County citations in 2021.

### **Non-motorists**

Non-motorists are defined here as pedestrians (on foot) and bicyclists. Pedestrian fatalities in Baltimore County have fluctuated over the previous three years, from 21 (2019) to 19 (2020) to 24 (2021), while serious injuries have oscillated, ranging from 67 (2019) to 56 (2020) to 63 (2021). The occurrence of bicyclist fatalities in Baltimore County has stayed about the same, with 1 in 2019, 2 in 2020, and 2 in 2021, while serious injuries to bicyclists have been alternating, ranging from 10 in 2019 to 3 in 2020 to 11 in 2021.

Very few non-motorist citations are issued throughout the State, to either the pedestrian or the motor vehicle driver. Typically, more violations are issued to drivers, and in Baltimore County 345 were issued to drivers against pedestrians or bicyclists in 2021, while 15 were issued to pedestrians or bicyclists that year. As a proportion of statewide totals (648 and 182), those numbers represent 53.2% and 8.2%, respectively, in 2021.

### **Motorcycles**

Motorcycle rider fatalities have stayed about the same over the past three years in Baltimore County, ranging from 12 (2019) to 12 (2020) to 10 (2021). Serious injuries to motorcyclists have been decreasing, ranging from 45 (2019) to 44 (2020) to 42 (2021). The 2021 figures account for 13.2% of motorcycle rider fatalities and 12.8% of rider serious injuries that occurred in the State.

Maryland has had a universal helmet law in place for several decades; consequently, the incidence of unhelmeted motorcyclists involved in a crash is low. The State has averaged 9 unhelmeted motorcycle rider fatalities per year over the past three years; unhelmeted motorcycle fatalities in Baltimore County have remained almost steady (an average of 2 per year). However, 10 seriously injured riders in Baltimore County were unhelmeted in 2021, which is 9.6% of the State total (compared to 6 in 2019 and 12 in 2020).

### **Older Drivers**

In Maryland, older driver safety programs focus on drivers of age 65 years or older. The data presented here on fatalities and serious injuries include any person involved in a crash with an older driver. Older drivers were involved in crashes that resulted in an average of 91 fatalities in Maryland each year (105 in 2019, 91 in 2020 and 78 in 2021). During that time, serious injuries resulting from these crashes in Maryland have oscillated, ranging from 512 in 2019 to 381 in 2020 to 429 in 2021. Fatal crashes involving older drivers in Baltimore County averaged 13 over the same period (ranging from 18 in 2019, 14 in 2020, to 6 in 2021). Further, serious injuries resulting from these crashes in the County have fallen and risen, ranging from 72 in 2019, 61 in 2020, to 65 in 2021.

A total of 10,350 citations for moving violations or restraint usage were issued to drivers of age 65+ in Maryland in 2021. Over the past three years, the number of traffic citations issued

to older drivers in Baltimore County has oscillated from 1,413 (8.0% of those issued statewide) in 2019 to 825 (7.6%) in 2020 to 827 (8.0%) in 2021.

## Young Drivers

In Maryland, young driver safety programs focus on individuals between ages 16 and 20. The data presented here on fatalities and serious injuries include any person involved in a crash with a young driver. Young drivers were involved in crashes that resulted in an average of 54 fatalities in Maryland each year (46 in 2019, 56 in 2020, and 61 in 2021). During that time, serious injuries resulting from these crashes in Maryland have been alternating, ranging from 407 in 2019 to 345 in 2020 to 376 in 2021. In 2021 there were 10 fatalities involving young drivers in Baltimore County, a number that has seen an increase over time, with 3 in 2019 and 4 in 2020. Further, serious injuries due to crashes involving young drivers have fluctuated over the same period, from 58 in 2019 to 53 in 2020 to 76 in 2021.

A total of 33,462 citations for moving violations or restraint usage were issued to drivers of age 16-20 in Maryland in 2021. Over the past three years, the number of traffic citations issued to young drivers in Baltimore County has steeply decreased: 4,046 (9.9% of those issued statewide), 3,618 (10.3%), and 3,536 (10.6%) in 2019, 2020, and 2021, respectively.

## Occupant Protection

An unrestrained occupant is defined as a child under the age of eight reported to be not restrained in a child safety seat (which includes harness and booster seats) or a person over the age of eight reported as not restrained by a seat belt while riding in a passenger vehicle or light truck. Unrestrained occupant fatalities have increased over the past three years in Baltimore County, ranging from 9 (2019) to 10 (2020) to 16 (2021). Serious injuries have seen an increase over the same period: 88 (2019) to 92 (2020) to 98 (2021). The 2021 values accounted for 11.5% of the unrestrained fatalities and 25.5% of the unrestrained serious injuries occurring in the State.

In 2021, 14,994 citations were issued statewide for safety equipment violation (including seat belt violations and child safety seat violations), which decreased significantly when compared to the numbers issued in the previous years (29,653 in 2019 and 16,833 in 2020). In Baltimore County, 1,441 such citations were issued in 2021, representing 9.6% of the statewide total, compared to 3,569 in 2019 and 1,684 in 2020.

The MHSO conducts an annual roadside survey of seat belt usage in Maryland. The statewide observed seat belt usage rate for Maryland in 2022 among drivers and front seat passengers of all vehicles was 92.7%, while the overall observed seat belt usage rate for Baltimore County was 91.4%.

**Note:** Citation frequencies and percentages reported here may be underestimates of actual issued citations due to an ongoing system conversion.