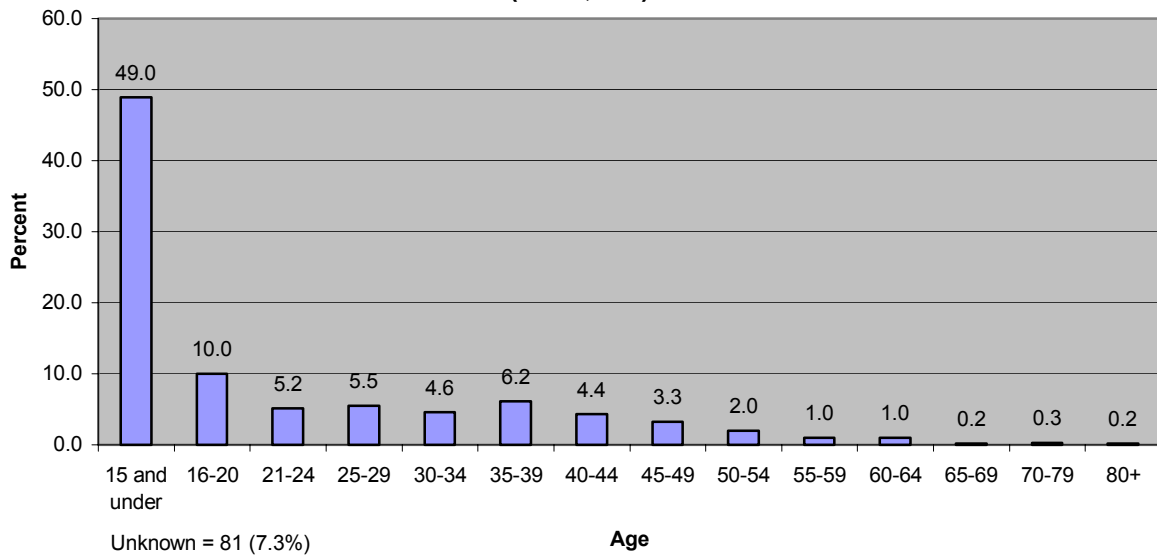


Chapter 7- BICYCLISTS AND PEDALCYCLISTS

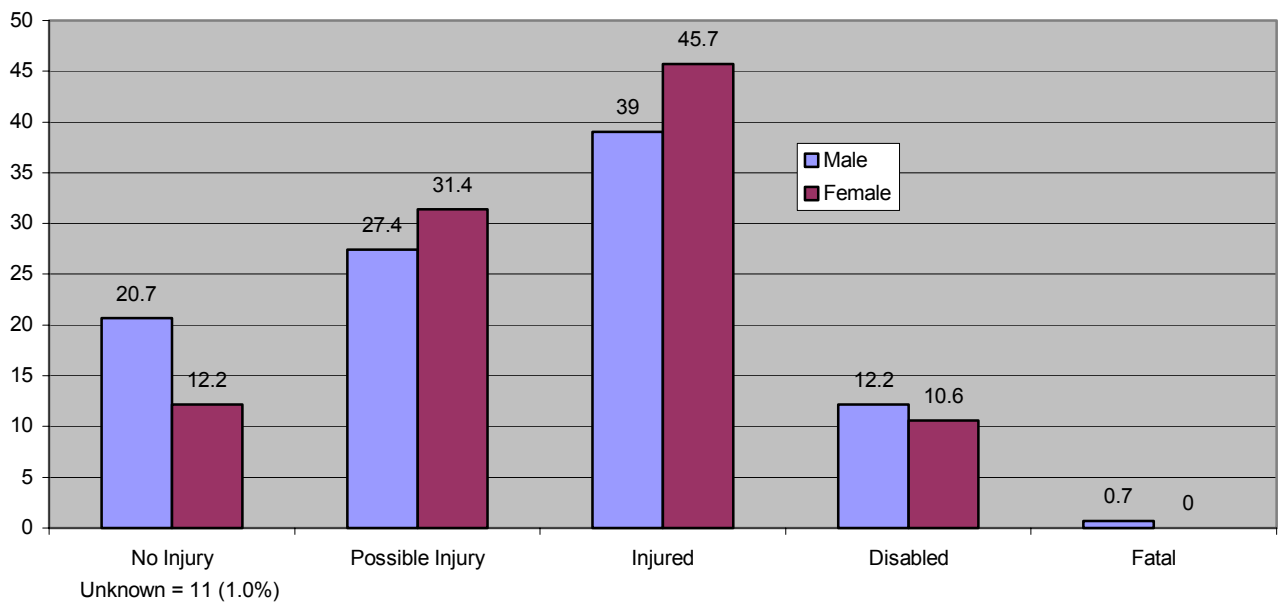
In 2000, 1,103 bicyclists and pedalcyclists were involved in a total of 1,079 reported traffic crashes in Maryland. Six bicyclists/pedalcyclists were killed, and another 876 (79%) were injured. Most (82%) of bicyclists/pedalcyclists were male and one-half were 15 years of age or younger.

**Figure 7a - Age Distribution of Bicyclists Involved in Crashes
(n = 1,103)**



The distribution of age among bicyclists and pedalcyclists involved in motor vehicle crashes is displayed in Figure 7a. Approximately 50% of the cyclists were younger than 15 years old. This proportion is much higher than that found for walkers and joggers (28%, see Chapter 6). The age distribution remained fairly constant between ages 21 and 44 before decreasing within the older age groups.

Figure 7b - Injury Severity by Gender
(n = 1,103)



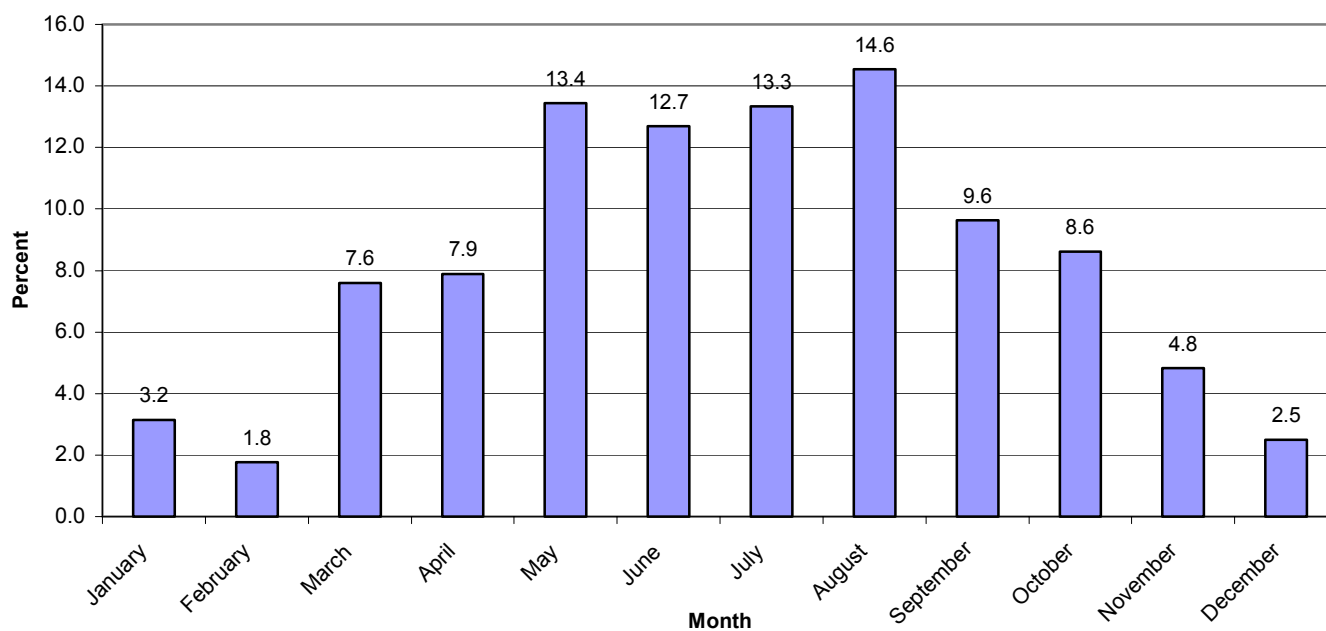
According to police reports, female bicyclists and pedalcyclists were more likely to sustain an injury than were their male counterparts (Figure 7b, 87.8% vs. 78.6%). All six cyclists who were killed in a crash, however, were male.

Figure 7c

<i>County</i>	<i>Crashes</i>	<i>Percent</i>
<i>Allegany</i>	<i>8</i>	<i>0.7</i>
<i>Anne Arundel</i>	<i>105</i>	<i>9.7</i>
<i>Baltimore</i>	<i>120</i>	<i>11.1</i>
<i>Calvert</i>	<i>2</i>	<i>0.2</i>
<i>Caroline</i>	<i>2</i>	<i>0.2</i>
<i>Carroll</i>	<i>13</i>	<i>1.2</i>
<i>Cecil</i>	<i>14</i>	<i>1.3</i>
<i>Charles</i>	<i>17</i>	<i>1.6</i>
<i>Dorchester</i>	<i>13</i>	<i>1.2</i>
<i>Frederick</i>	<i>27</i>	<i>2.5</i>
<i>Garrett</i>	<i>1</i>	<i>0.1</i>
<i>Harford</i>	<i>25</i>	<i>2.3</i>
<i>Howard</i>	<i>22</i>	<i>2.0</i>
<i>Kent</i>	<i>2</i>	<i>0.2</i>
<i>Montgomery</i>	<i>105</i>	<i>9.7</i>
<i>Prince George's</i>	<i>121</i>	<i>11.2</i>
<i>Queen Anne's</i>	<i>3</i>	<i>0.3</i>
<i>Saint Mary's</i>	<i>13</i>	<i>1.2</i>
<i>Somerset</i>	<i>6</i>	<i>0.5</i>
<i>Talbot</i>	<i>9</i>	<i>0.8</i>
<i>Washington</i>	<i>24</i>	<i>2.2</i>
<i>Wicomico</i>	<i>33</i>	<i>3.1</i>
<i>Worcester</i>	<i>27</i>	<i>2.5</i>
<i>Baltimore City</i>	<i>367</i>	<i>34.0</i>
<i>Totals</i>	<i>1,079</i>	<i>99.8</i>

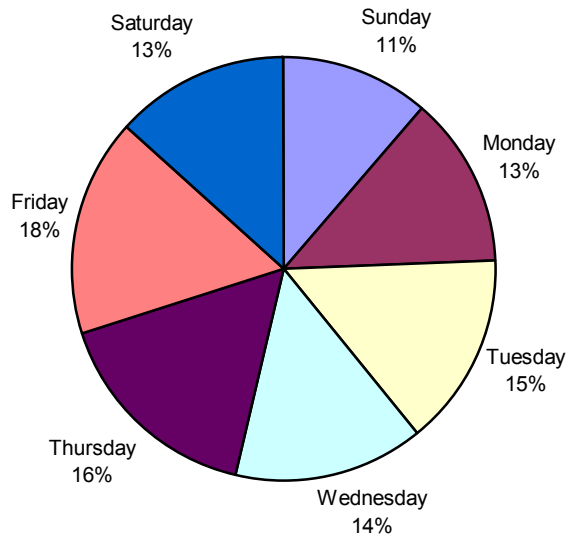
As with pedestrian crashes, the majority – more than one-third – of bicycle/pedalcycle crashes occurred in Baltimore City (Figure 7c). Three-quarters of all such crashes occurred in the Baltimore-Washington, D.C. metropolitan area (i.e., Anne Arundel, Baltimore, Montgomery and Prince Georges counties and Baltimore City).

**Figure 7d - Percent Bicycle Crashes by Month
(n = 1,079)**



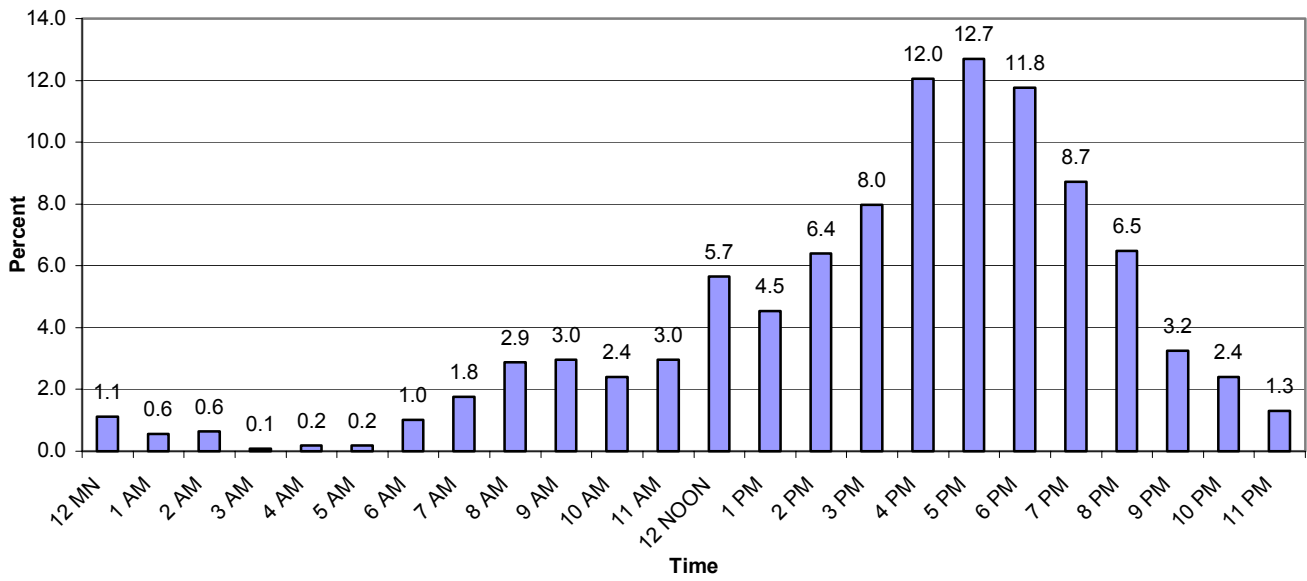
Bicycle crashes peaked during the summer months (Figure 7d), with 54.0% of all crashes occurring between May 1 and August 31. As may be expected, the fewest crashes occurred during the winter, most notably February (1.8%).

**Figure 7e - Bicyclist Crashes by Day of Week
(n= 1,079)**



As with pedestrian crashes, bicycle and pedalcycle crashes occurred more frequently during the latter part of the week, predominantly on Friday (Figure 7e). Sunday had the smallest proportion of such crashes.

Figure 7f - Percent Bicycle Crashes by Time
(n = 1,079)



The proportion of bicycle/pedalcycle crashes peaked in the late afternoon and early evening hours (Figure 7f), as 45.2% occurred between 4 p.m. and 8 p.m. Smaller peaks could be found at noon and during the morning rush hour.