

PEDESTRIAN & BICYCLIST CRASH FACTS



Knoxville's High-Crash Streets

Major arterial roadways are disproportionately dangerous for pedestrians and bicyclists.

MAJOR ARTERIALS

account for

6%

of surface street miles

29%

of traffic crashes

(330 out of 1,146)

that involved
people walking
or riding bicycles

38%

of all fatalities

(16 out of 42)

for traffic crashes
that involved
people walking
or riding bicycles

Traffic Crashes
that involved
people walking
or riding bicycles:

89% on 6 streets

- Broadway (98)
- Chapman Highway (26)
- Cumberland Avenue (68)
- Kingston Pike (35)
- Magnolia Avenue (34)
- Western Avenue (33)

75% of fatalities
on **4 streets**

- Broadway
- Chapman Highway
- Clinton Highway*
- Kingston Pike

**most fatalities per mile*

16 deaths
pedestrians & bicyclists

FAILURE TO YIELD



when making a turn
is the most common
(53%) crash factor.

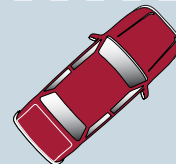
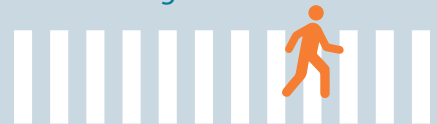
54% are left turns.

What can we do?

Some solutions to turning
movement crashes include
slowing turning vehicles,
and **adjusting traffic signals.**

ONE POSSIBLE SOLUTION FOR TRAFFIC SIGNALS:

*Leading Pedestrian Interval
(LPI) gives the pedestrian
the WALK signal 3-7 seconds
before motorists get the green
light to proceed through the
intersection. This head start
gives pedestrians time to
establish their presence in the
crosswalk before motorists can
start turning.*



Knoxville Regional
Transportation
Planning Organization

TPO

View the pedestrian and bicyclist crash map: <https://maps.knoxmpc.org/MapSeries/bikepedcrash.html>

All information is from crash reports obtained directly from Knoxville Police Department (all crashes prior to June 2009) or made by local law enforcement to TITAN (Tennessee Integrated Traffic Analysis Network) and analyzed by the TPO. The reports were made over 10 years (January 2007 to December 2016) by the KPD. TPO staff assigned crash factors based on information obtained from individual crash reports, including crash narratives and information about citations issued.