Bicycle & Pedestrian Crash Data Report, 2015-2022

Bicycle Advisory and Safety Committee (BASC) April 2023



Crash Datasets 2015-2022 Collected by Huntsville Police



- Location
- Date/time
- Severity
- Impact Description
- Notes

- Location
- Date/time
- Severity
- Impact Description
- Few Notes



Bicycle & Pedestrian Crash Data Report

This report identifies trends in the data:

- High-risk areas
- Crash types and their severity
- Crashes in relation to existing infrastructure

This report recommends infrastructure improvements to:

- Minimize crashes
- Minimize the severity of injury



Crash Datasets Reported 2015-2022



- 155 Bicycle Crashes
- 3 Bicyclists Killed
- Cases include notes



- 370 Pedestrian Crashes
- 37 Pedestrians Killed
- 73% cases with no notes



Unreported and Unavailable Data



• Number of Bicycle Trips, Length

Where people bicycle

• 7%-46% unreported Crashes

• Assume < 1% bike to work

UAH Data?

https://www.pedbikeinfo.org/factsfigures/facts_safety.cfm)



• Number of Pedestrian Trips, Length

Where people walk

• 44%-75% unreported Crashes

Assume 2% walk to work



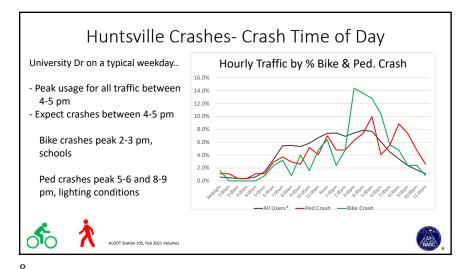
Pedestrians and Bicyclists are vulnerable road users

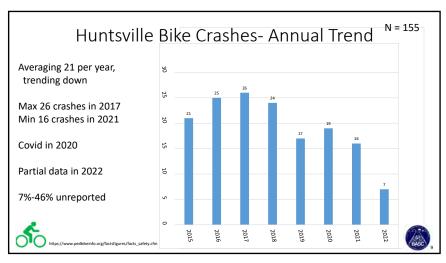
Pedestrians are 15%-40% of deaths even though they only comprise 2% of roadway traffic.

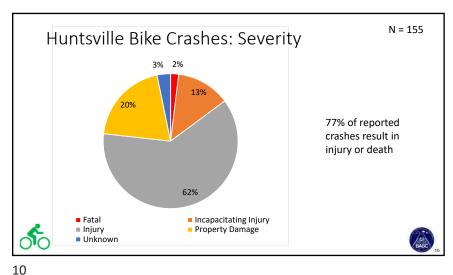
Bicyclists are 1%-5% of deaths even though they only comprise < 1% of roadway traffic.

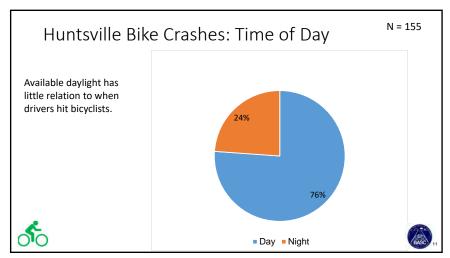
Bicyclists are 1%-5% of deaths even though they only comprise < 1% of roadway traffic.

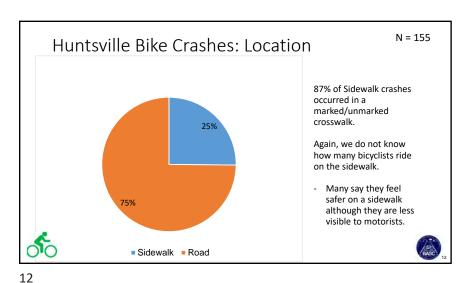
6

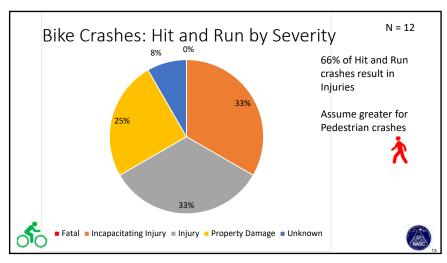


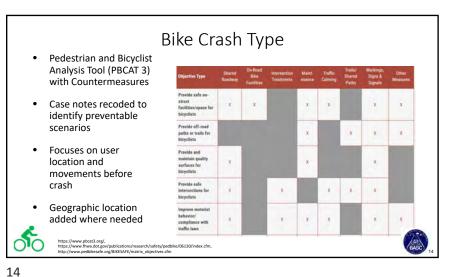


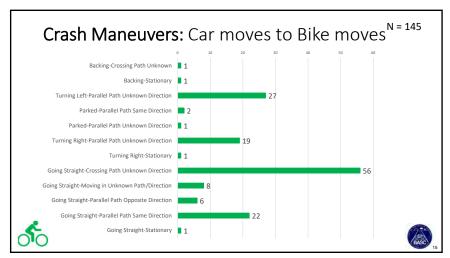


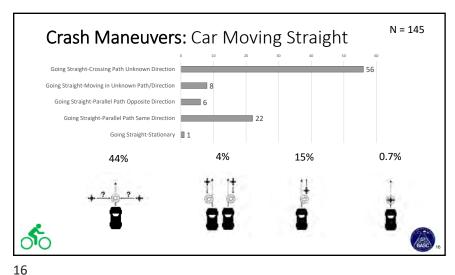


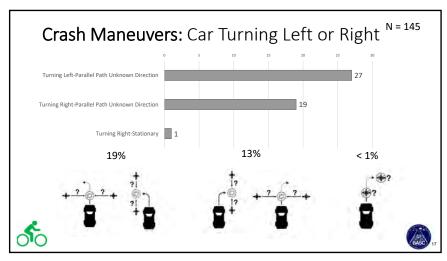


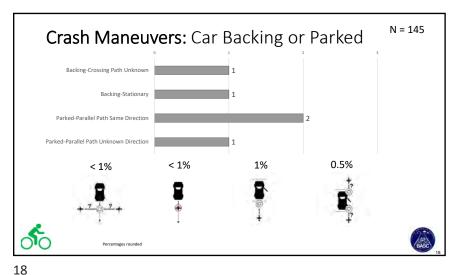


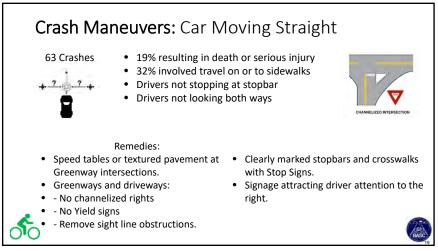


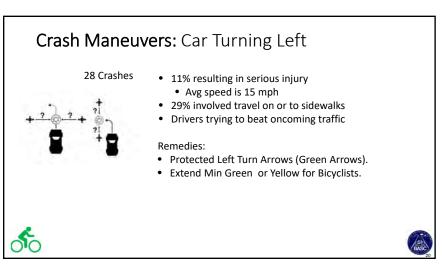


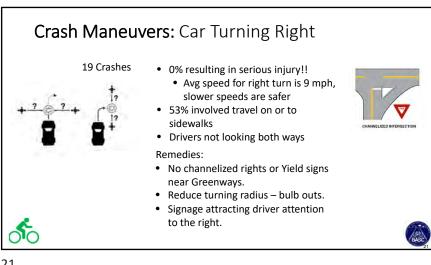


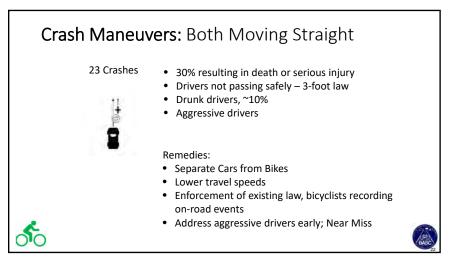


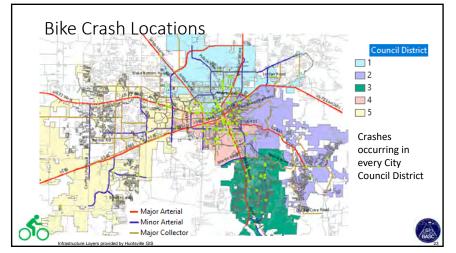


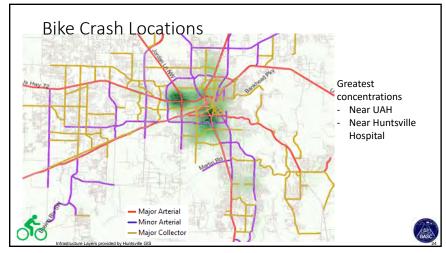














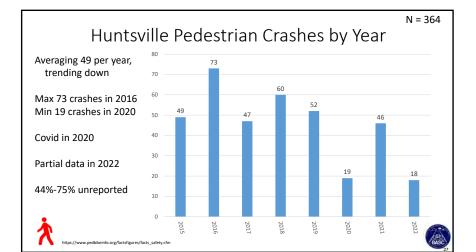
Huntsville Pedestrian Crash Data Reported 2015-2022

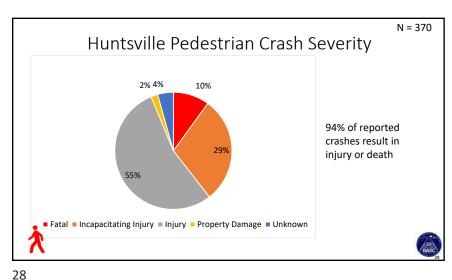
- · 370 crashes reported by police
- · 37 Fatalities, 10% of crashes result in death
- 109 Incapacitating Injuries, 29%

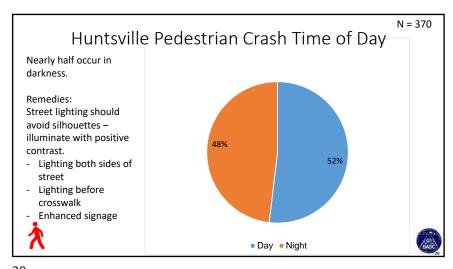


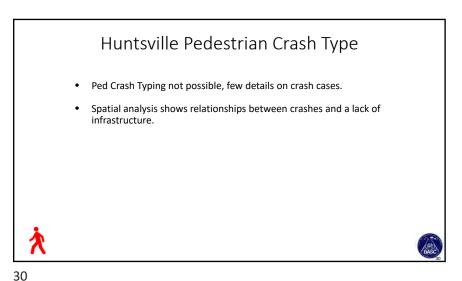


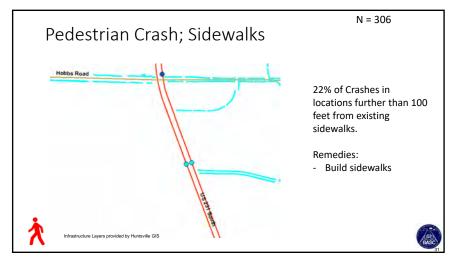
25

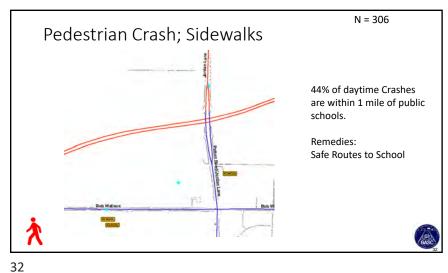


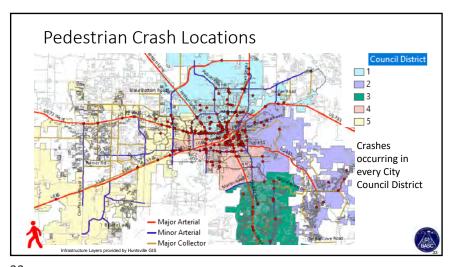


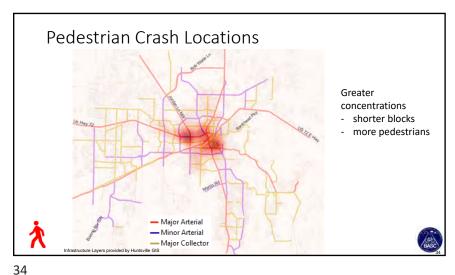


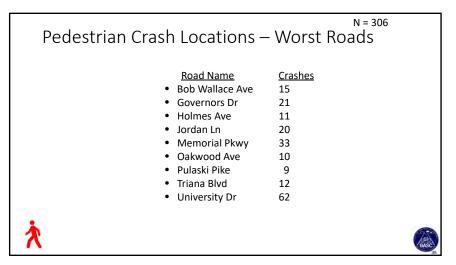












Conclusions - Remedies

- High risk areas need separation between modes of travel and lower speed limits
- Build sidewalks
- · Safe Routes to School . Extend Minimum
- Improve lighting at crosswalks
- Intersections near Greenways need special attention: speed tables, no channelized rights, no Yielding rights
- Extend Minimum
 Green light duration
 along Bike Routes so
 riders can reach the
 end of the
 intersection
- Address aggressive drivers.
- Enhance signage
- Signage to look both ways when stopped
- · "Driver Stop Here!"





BASC

Conclusions - General

- Review crash data annually, request Bike/ped crash data from hospitals, and UAH
- Standardize data collection using Federal Standards. Fatality Analysis Reporting System (FARS) Crash Typing Manual
- Examine fatal crash sites for improved engineering
- Improve reporting, especially of notes collected for Pedestrian Crashes
- Improve crash location analyses. Better location data and queries on crosswalk location?





Ped. Bike Crash Typing Manual - https://crashstats.nhtsa.dot.gov/Api/Public/ViewPublication/813415

