Expanding the Definition of Nonoccupants: Results of the First Year of NiTS

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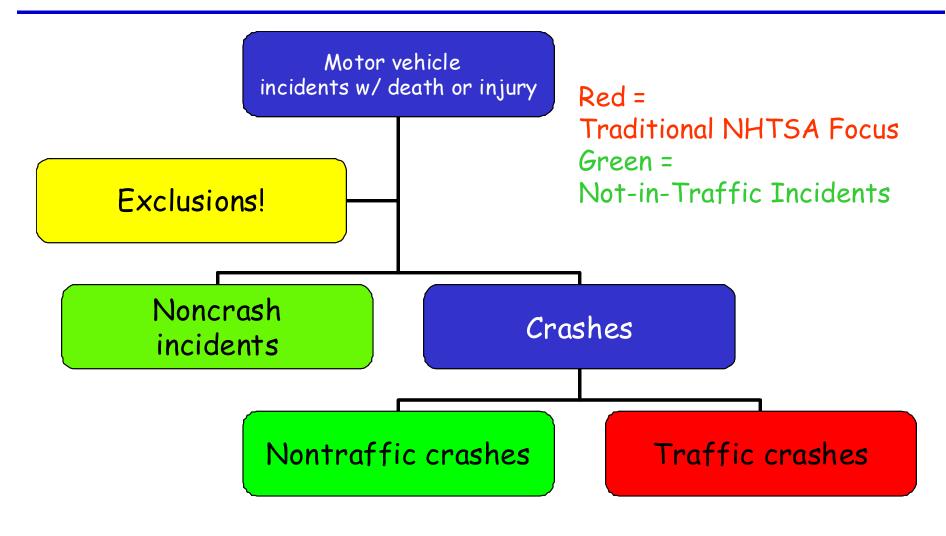


Expanding the Definition of Nonoccupants

Not-in-Traffic Surveillance (NiTS) Overview Nontraffic Crashes and Nonoccupants NiTS 2007 Nonoccupants



Not-in-Traffic Overview





Traffic Versus Nontraffic Crashes

ANSI D.16 "Manual on Classification of Motor Vehicle Traffic Accidents"

Motor vehicle accidents traffic or nontraffic

- Nontraffic same as traffic except for location
- Nontraffic accidents occur OFF of right of way customarily open to the public
 - Driveways
 - Private roads
 - Most areas of parking lots
 - Not on any road



4

Not-in-Traffic Surveillance (NiTS)

A virtual system

- Uses multiple systems from NHTSA and others
- Provides different types of data for more complete picture

Four major components

- Nontraffic crash database
- Noncrash injury database
- Noncrash fatality database
- Special Crash Investigations (SCI)



NiTS 2007 Nontraffic Crashes

Source: NiTS 2007 nontraffic crash file

Data: Predominantly police reports

Person-level file

■ Includes uninjured occupants

19 variables describing crashes, vehicles & persons



NiTS 2007 Nontraffic Crashes

Most police jurisdictions report nontraffic fatal and injury crashes...

But NiTS did not receive all possible reports Adjustment factors derived for incompleteness

- Ratio of expected to received
- Separate adjustments for occupants / nonoccupants



NiTS 2007 Nontraffic Crashes

Adjustment Factors	Fatalities	Injuries
Occupants	2.9	3.3
Nonoccupants	2.3	2.8
Source for Expected	Death certificates	State files (KY, NC, NE)



Nontraffic Crashes & Nonoccupants

Traditional nonoccupant fatalities and injuries

- Not an occupant of a transport device
 - Pedestrians & pedalcyclists
 - Persons on personal conveyances
 - Persons in or on buildings

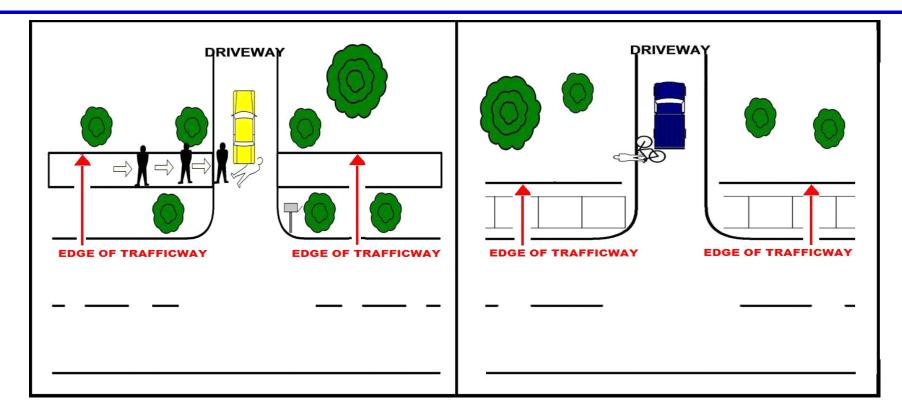
Expanded definition of nonoccupant

Involved in a traffic or nontraffic crash



9

Traffic Versus Nontraffic Backover



Traffic Crash: Included in FARS and

NASS-GES

Nontraffic Crash: (private property)
Not currently included in FARS or
NASS-GES



Nonoccupant Fatalities

Nonoccupant Type	Traffic Crash	Nontraffic Crash
Pedestrian	4,654	598
Pedalcyclist	698	8
Other	95	7
Total	5,447	614

Source: FARS 2007 (AR file), NiTS 2007



Nonoccupant Injuries

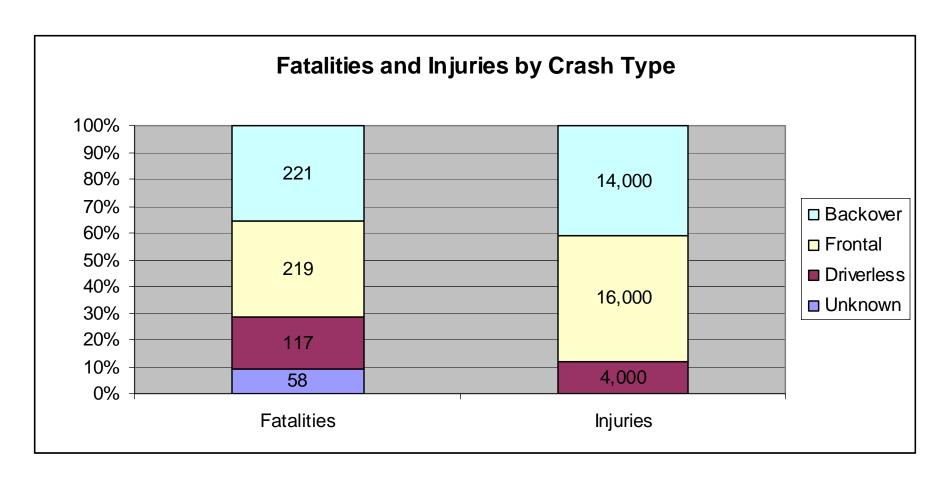
Nonoccupant Type	Traffic Crash	Nontraffic Crash
Pedestrian	70,000	32,000
Pedalcyclist	43,000	2,000
Other	*	1,000
Total	114,000	35,000

^{*} Less than 500, Source: NASS-GES 2007, NiTS 2007



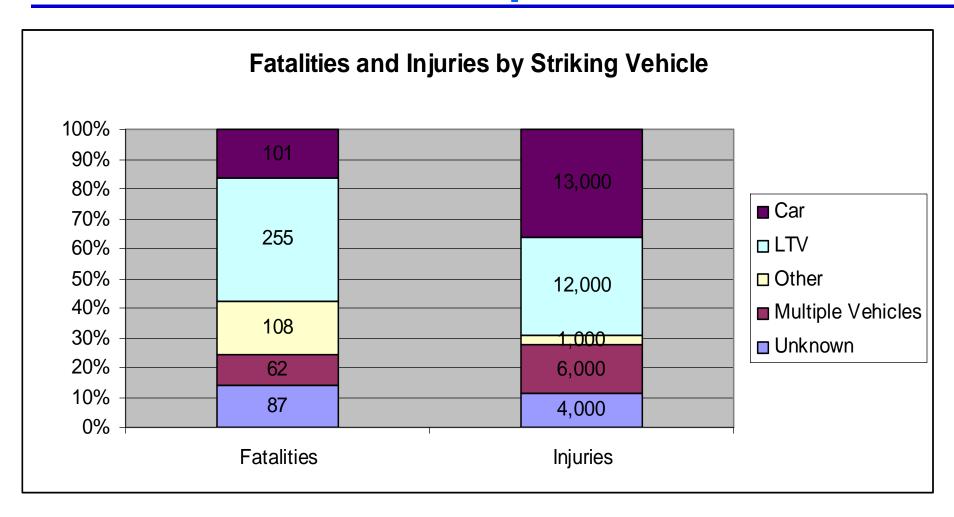
Injury Severity	Nontraffic Estimate
Fatal (K)	614
Incapacitating (A)	8,000
Nonincapacitating (B)	14,000
Minor (C)	13,000
Injured- Severity Unknown	1,000



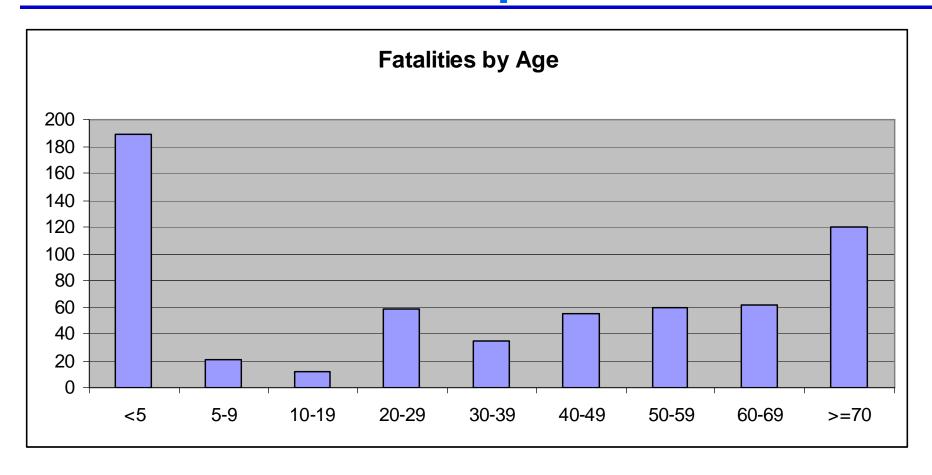


Note: Does not include <500 injuries of unknown crash type



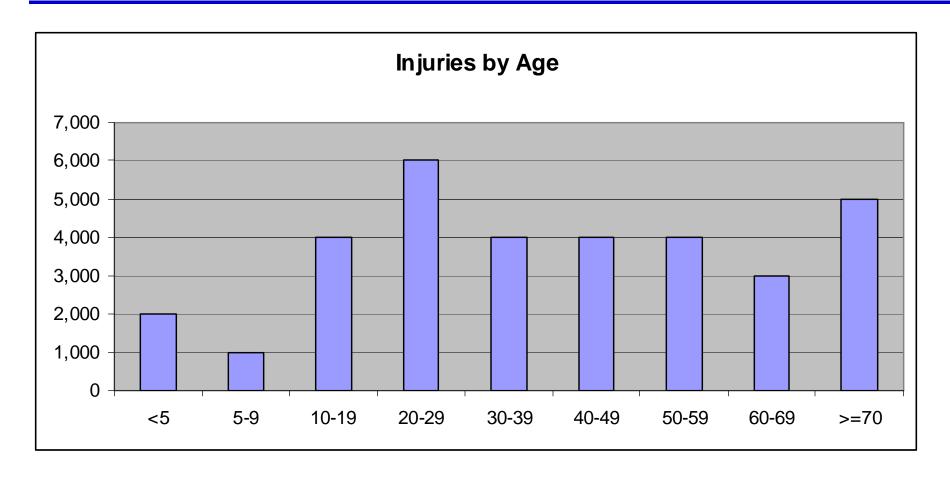






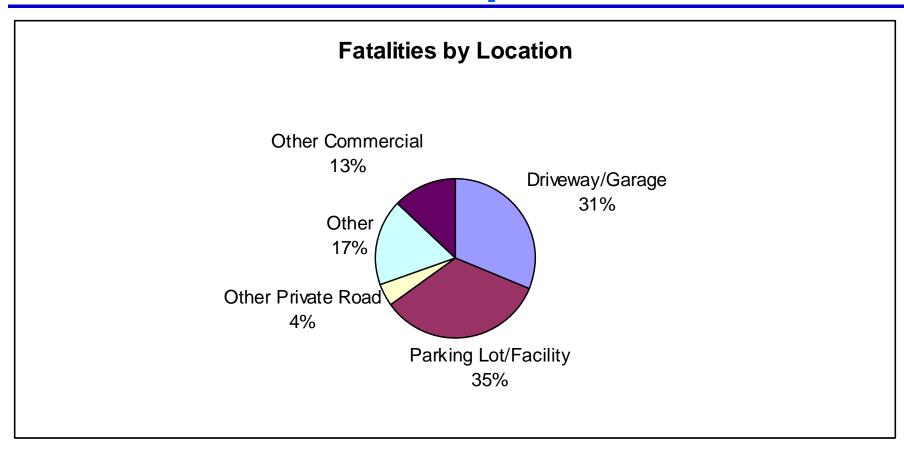
Note: Does not include 5 fatalities w/ unknown age





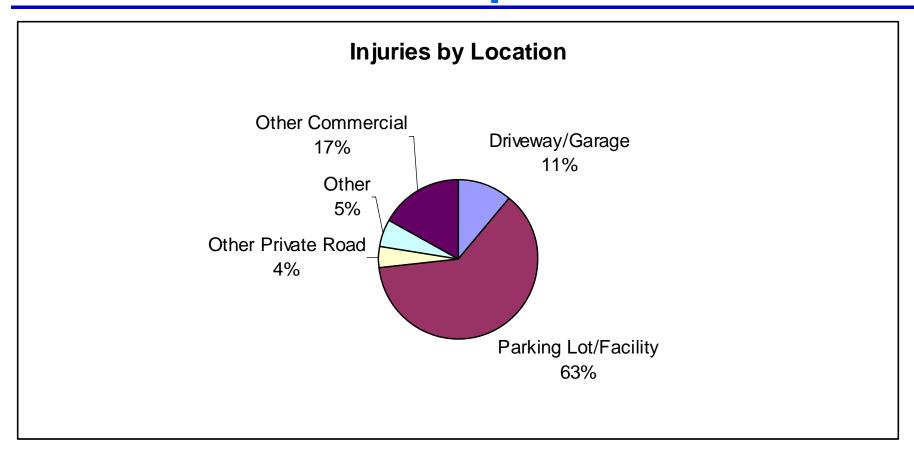
Note: Does not include 1,000 injuries w/ unknown age





Note: Does not include 44 (of 614) fatalities w/ unknown location





Note: Does not include <500 (of 35,000) injuries w/ unknown location



NiTS 2007 Publications

NiTS 2007 Highlights

NiTS 2007 User's Manuals

- Nontraffic Crash Database
- Noncrash Fatality Database
- Noncrash Injury Database

All available through NCSA at www.nhtsa.gov



NiTS Future Plans

Data collection ongoing

Next release to include additional variables

Similar to NASS-GES

Expected release in two years

