



# High Risk Driver Behavior—Mullan Road Elementary

## Driver Behavior

### During Active School Zone Times (63 Drivers)

- ⇒ Median speed = 20 mph
  - \*A.M. School Zone = 21 mph
  - \*P.M. School Zone = 20 mph
- ⇒ Maximum Speed Recorded = 27 mph
  - \*A.M. School Zone = 27 mph
  - \*P.M. School Zone = 26 mph
- ⇒ Distracted Drivers = 8 (13%)
- ⇒ Front Seat Passengers Unbelted = 4 (6%)

### During Regular Posted Speed Times (1,018 Drivers)

- ⇒ Median speed = 19 mph
- ⇒ Maximum Speed Recorded = 28 mph
- ⇒ Distracted Drivers = 132 (18%)
- ⇒ Front Seat Passengers Unbelted = 81 (11%)

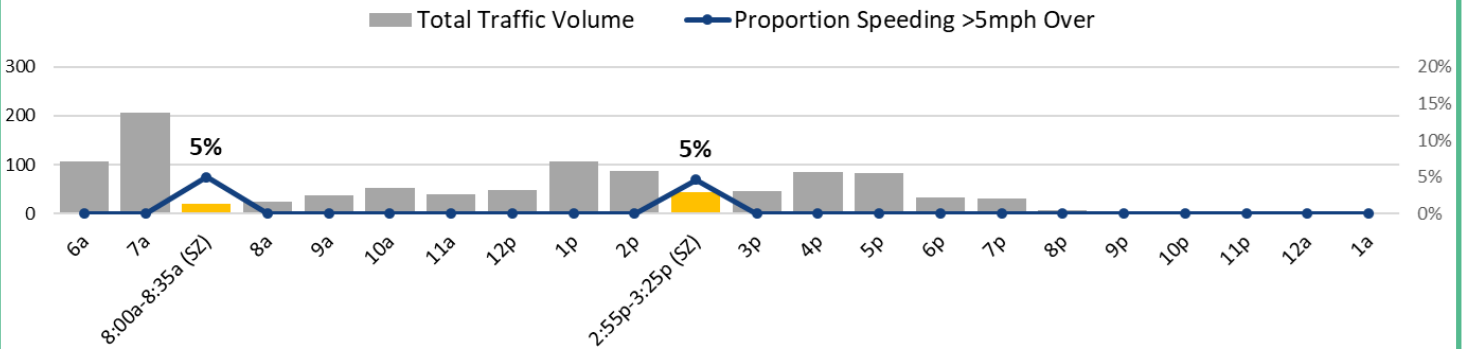


Driver behavior data was collected on E. 63rd Ave. within the school zone near S. Regal St. This site has “20 mph when children are present” signage indicating the active school zone presumed to be 8:00—8:35 a.m. and 2:55—3:25 p.m. for report purposes. The regular posted speed is 25 mph.

Overall, speeding (>5 mph over) was very low at this location. Only three drivers traveled greater than 25 mph in the active school zone and all three traveled less than 30 mph. No drivers traveled greater than 30 mph during non-school zone times.

### Mullan Road Elementary (E. 63rd Ave.)

(Regular Posted Speed = 25mph School Zone Speed Limit = 20mph)



If hit by a car traveling:

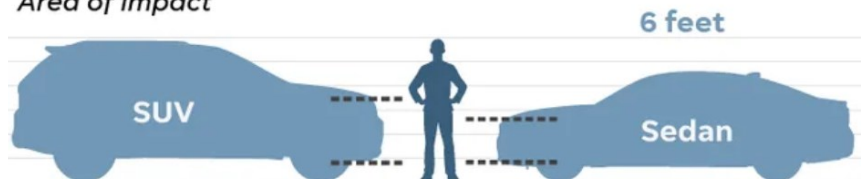
● Fatality ● Person survives collision



## Size does matter

SUV front ends are taller, so they strike pedestrians higher on their bodies. That means they are more likely to kill a pedestrian than a car that would strike a person's leg.

### Area of impact



SOURCE Free Press research; USA TODAY



## Driver Behavior in School Zones—Mullan Road Elementary

Traffic sensors collected speed data from 6:00 a.m. until 1 a.m. (20 hours). In addition to speed, vehicle type, driver distraction, and front seat occupant seat belt use were collected from 7:00 a.m. until 5:00 p.m. (10 hours).

Three of every four drivers in the school zone were traveling greater than 20 mph, and all were traveling less than 30 mph. Drivers were slightly more likely to travel greater than 20 mph during the morning school zone (50%) when traffic was lighter compared to the afternoon school zone (33%).

Driver Speeding Behavior—E. 63rd Ave.			How fast are SPEEDING DRIVERS going?					
Posted Speed/ Vehicle Action	Total Driver Observations (n=)	Speeding Driver	Speeding 1-5 mph over	Speeding 6-10 mph over	Speeding 11-15 mph over	Speeding 15-20 mph over	Speeding 21-25 mph over	Speeding 25+ mph over
Regular Posted Speed Limit = 25 mph	1,018	< 1% (n=5)	100%	0%	0%	0%	0%	0%
			5	0	0	0	0	0
School Zone: WCP Signage = 20mph	63	38% (n=24)	88%	13%	0%	0%	0%	0%
			21	3	0	0	0	0
<b>School Zone Speeding Behavior</b>								
A.M. School Zone (8:00 a.m.-8:35 a.m.)	20	50% (n=10)	90%	10%	0%	0%	0%	0%
			9	1	0	0	0	0
P.M. School Zone (2:55 p.m.-3:25 p.m.)	43	33% (n=14)	86%	14%	0%	0%	0%	0%
			12	2	0	0	0	0
<b>Speeding Behavior by Vehicle Type (Collected 7:00 a.m.—5:00 p.m.)</b>								
Bus	0	0	0%	0%	0%	0%	0%	0%
			0	0	0	0	0	0
Pickup Truck	139	1% (n=1)	100%	0%	0%	0%	0%	0%
			1	0	0	0	0	0
Sedan	322	5% (n=15)	80%	20%	0%	0%	0%	0%
			12	3	0	0	0	0
SUV	236	2% (n=5)	100%	0%	0%	0%	0%	0%
			5	0	0	0	0	0
Van	102	3% (n=3)	100%	0%	0%	0%	0%	0%
			3	0	0	0	0	0
<b>Speeding Behavior by Light Conditions (All Times)</b>								
Daylight (6:45a-4:24p)	779	4% (n=29)	90%	10%	0%	0%	0%	0%
			26	3	0	0	0	0
Nighttime (4:25p-1:00a)	302	0% (n=0)	0%	0%	0%	0%	0%	0%
			0	0	0	0	0	0



# Multiple High Risk Behaviors—Mullan Road Elementary

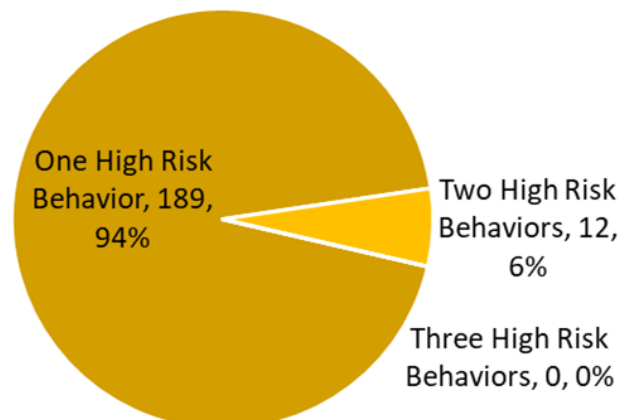
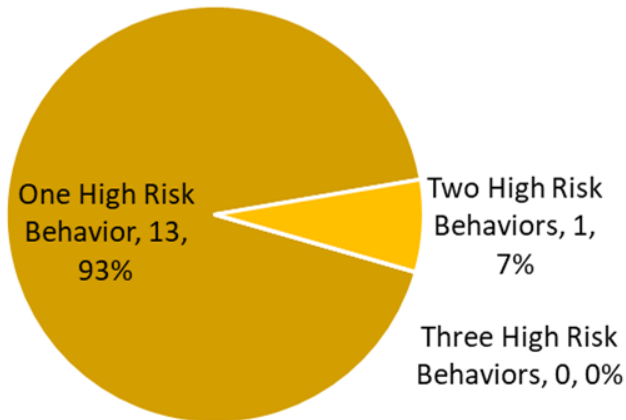
	Active School Zone Times	Non-School Zone Times
No High Risk Behavior	49 (78%)	535 (73%)
Speeding Only	2 (3%)	0
Distraction Only	7 (11%)	120 (16%)
Unbelted Passengers Only	4 (6%)	69 (9%)
Speeding + Distraction	1 (2%)	0
Speeding + Unbelted	0	0
Unbelted + Distracted	0	12 (2%)
Speeding + Distracted + Unbelted	0	0

### THE FATAL FOUR

1. Inappropriate speed
2. Driver distractions
3. Lack of seat belt
4. Alcohol impairment

## Active School Zone

## Non-School Zone



Approximately one in four drivers engaged in at least one high risk driver behavior (speeding, distracted, unbelted) in the active school zone and during non-school zone hours.

Distracted driving was the most common single high risk driver behavior followed by being unbelted. Twelve drivers were observed unbelted and distracted at the same time.

No drivers were recorded as speeding, distracted, and unbelted all at once.