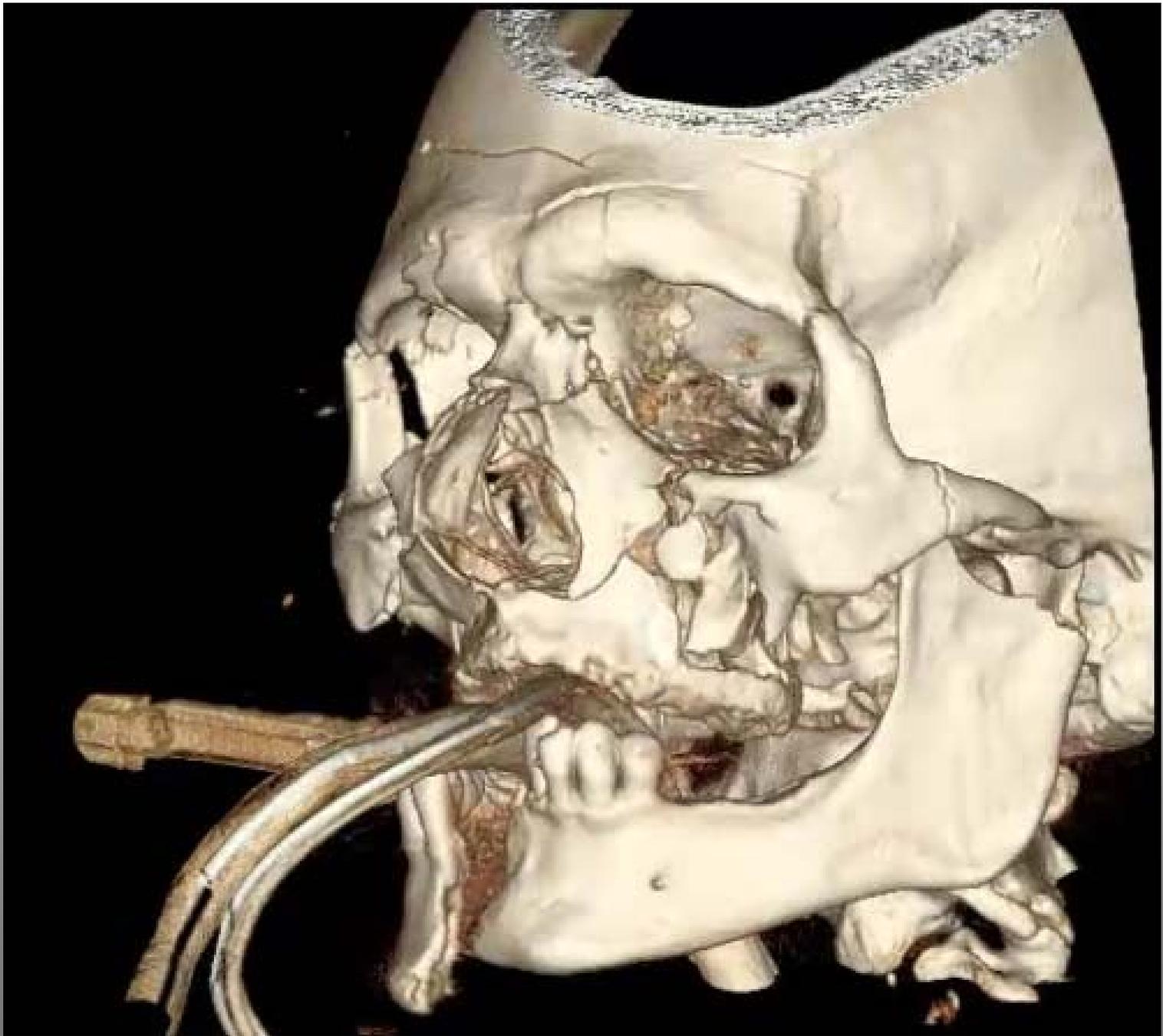


# When the rubber *and* the helmet meet the road





# Motorcycles in Michigan

- ❖ Motorcycles continue the trend of increasing registrations and endorsements through 2009
- ❖ Motorcycle related crashes and fatalities (14,327 & 468 respectively from 2006-2009)
- ❖ Ten year low for alcohol related motorcycle fatalities (29%)

# More popular than ever

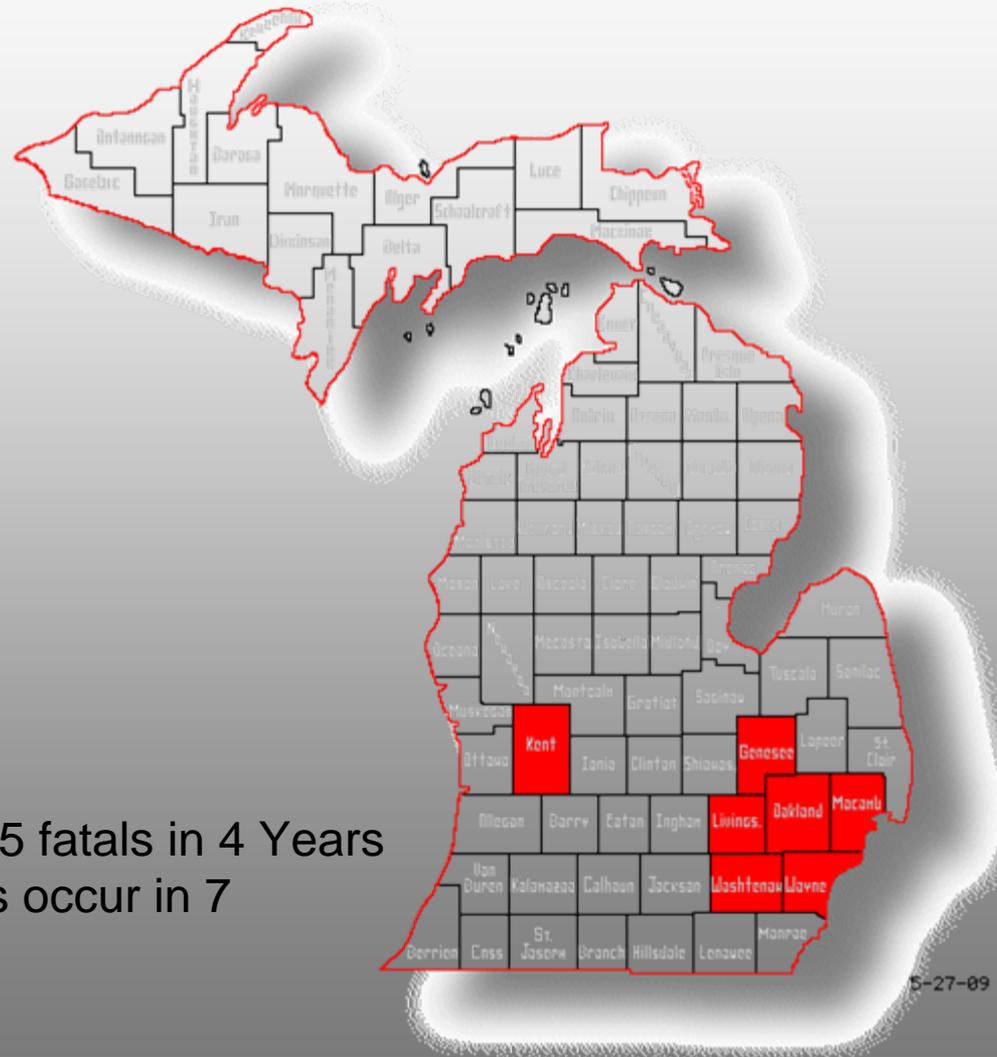
- ❖ Almost 260,000 registrations
- ❖ Over 544,000 endorsements
- ❖ Over 15,000 riders trained per year
- ❖ Popularity rising in two generations from internet/tv/movies (Orange County Choppers, Road Hogs etc)
- ❖ Economics
  - o Motorcycles sales continue to hover at the one million mark for the last 7 years nationally, maintaining their popularity despite the recession

# Where are the fatalities?

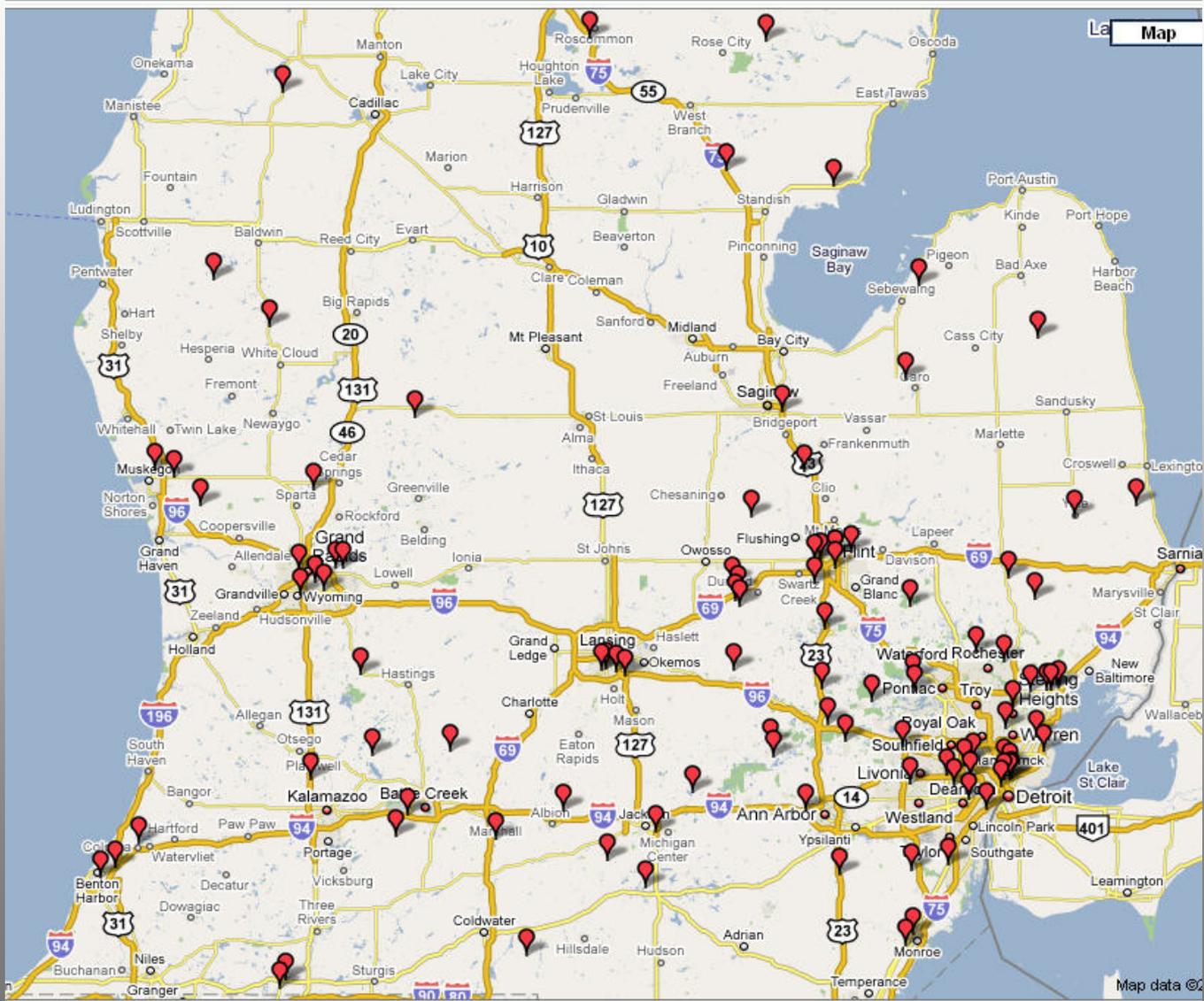
Secondary Roads – 54.7% (256)  
Freeways – 17.1% (80)  
Intersections – 28.2% (132)

## County:

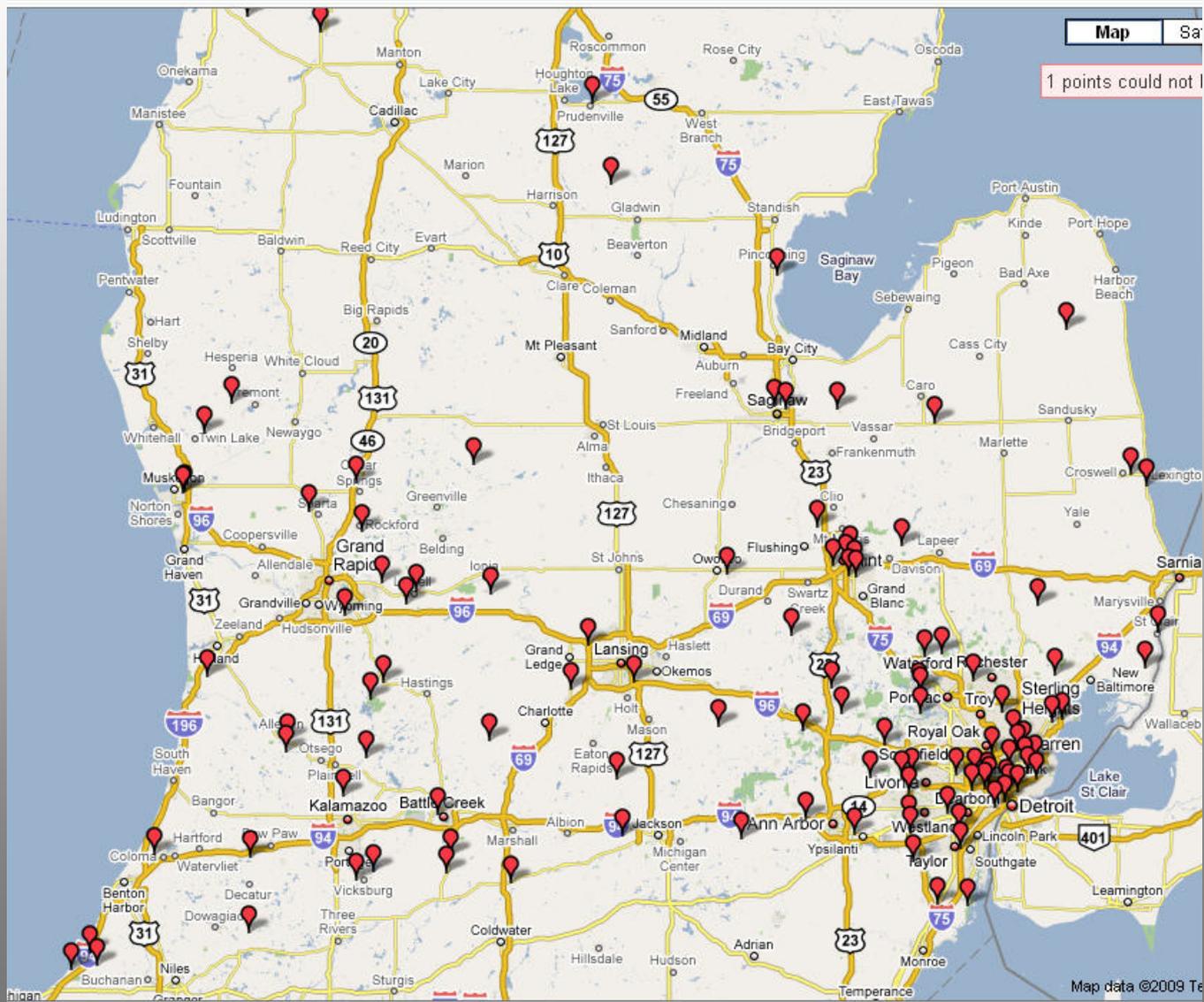
- Wayne 19.2%
  - Kent 6.4%
  - Macomb 5.5%
  - Genesee 5.3%
  - Oakland 4.9%
  - Washtenaw 3.4%
  - Livingston 2.3%
- ❖ Most other counties had less than 5 fatalities in 4 Years  
❖ 47% of all fatal motorcycle crashes occur in 7 counties



# 2006 Fatal Crashes



# 2007 Fatal Crashes



# 2008 Fatal Crashes

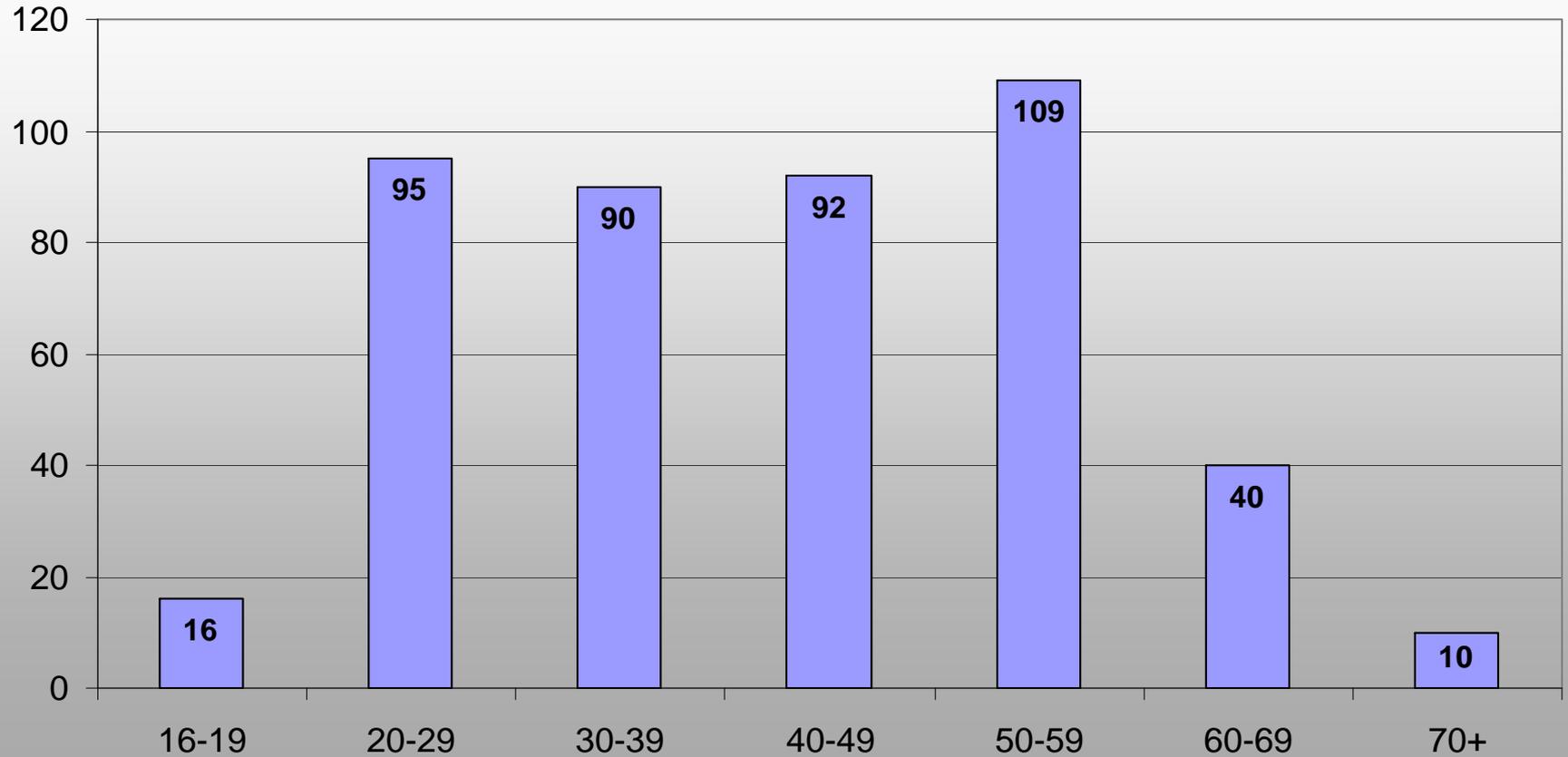


# Demographics

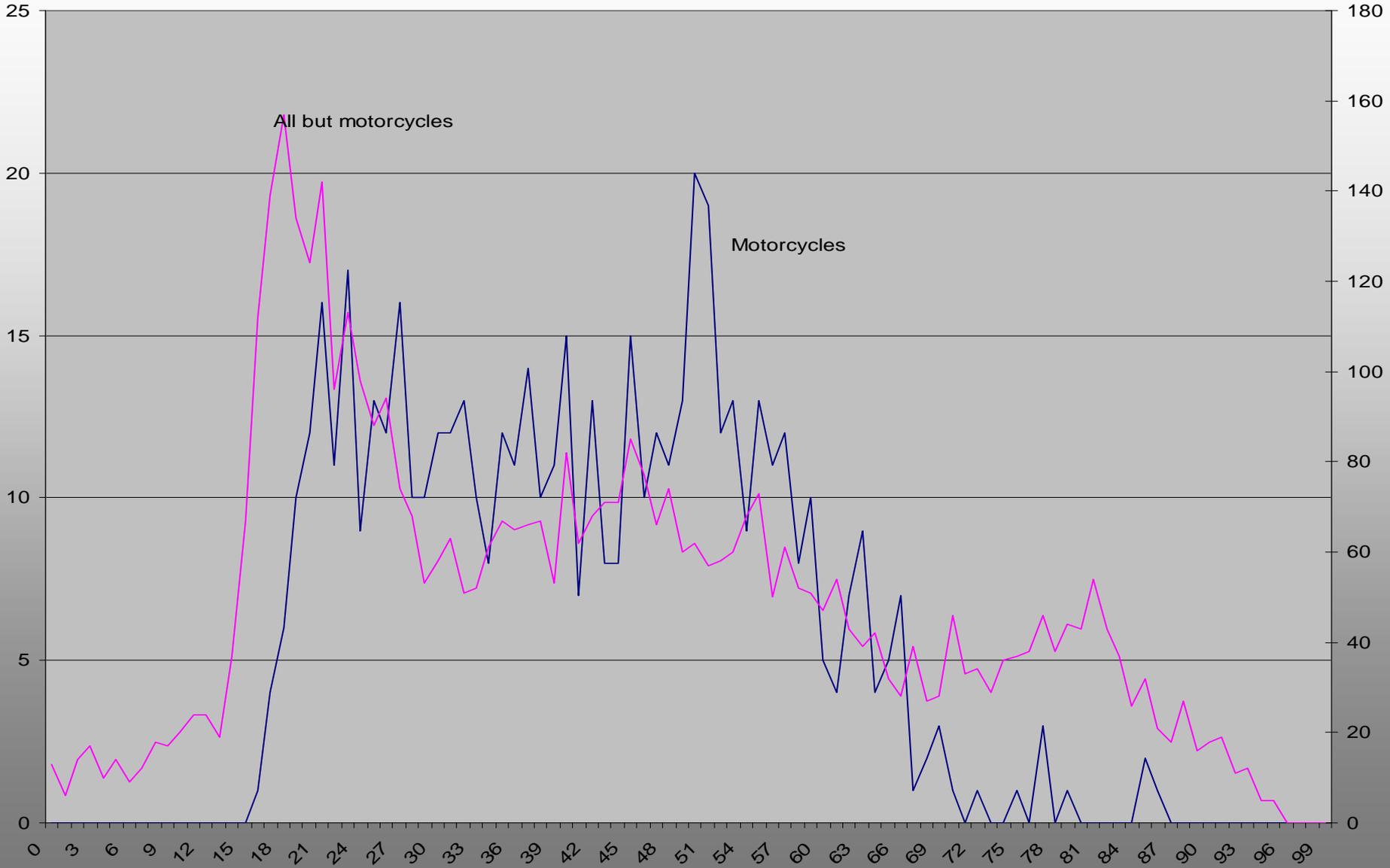
- ❖ Average age of all motorcyclists killed is 41.6 years old – In 2009 this increased to 42.9
- ❖ Average age of all single vehicle crashes is 42.4 years old – In 2009 this increased to 45
- ❖ Over 91% male
- ❖ 14 riders were from out of state



## 2006-2009 Motorcycle Fatalities by Age



Fatalities by age, MI 2004-2008

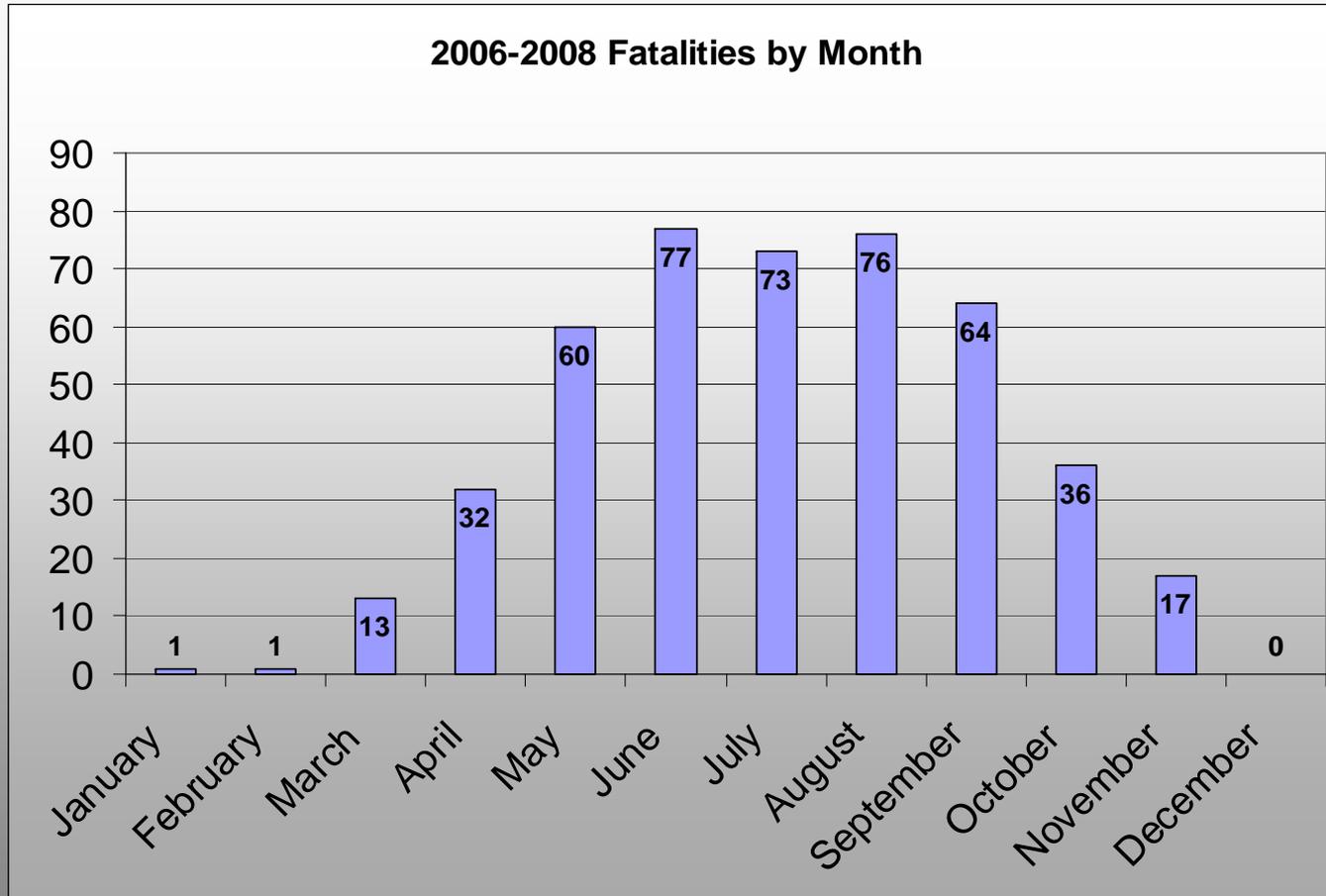


# Crash = Injury or Death

The number of motorcycle related fatalities is slightly less than what would be expected based upon the growth of registrations

Year	Total Crashes	Fatals/Injuries	%
2006	3,291	2,947	89.55%
2007	3,821	3,146	82.33%
2008	3,969	3,589	90.43%
2009	3,339	2,556	<b>76.54%</b>
		<b>Average</b>	<b>84.71%</b>

# Riding Season



75.8% of crashes were in a well lit environment

74.5% of crashes were in clear weather

# Causes

55.8% = multi-vehicle crashes

44.2% = single vehicle (207)

38.6% = of SV crashes were HBD crashes

## **SV crash citations:**

- 7.2% (15) cited for reckless/negligent driving
- 35.7% (74) cited for speed too fast
- 17.4% (36) no citations noted on the UD-10
- 39.1% (81) had no endorsement

*\*There can be multiple citations for a single crash*

# Multiple Vehicles In Depth

- 55.8% were multi-vehicle
- 20.5% (118) were HBD crashes
- Compare to 51% of all crashes involve multi-vehicle

# Hazardous actions for the Motorcyclist in Multi-Vehicle Crash

Hazardous Action	Motorcycle involved
None	130
Speed too fast	40
Speed too slow	1
Failed to yield	4
Disregard traffic control	6
Drove wrong way	0
Drove left of center	11
Improper passing	4
Improper lane use	1
Improper turn	2
Improper / no signal	0
Improper backing	0
Unable to stop in assured clear distance	15
Other	8
Unknown	19
Reckless driving	13
Careless / negligent driving	10
Uncoded & errors	10

# Hazardous Actions for the Other Vehicle in Multi-Vehicle Crash

Hazardous Action	Motorcycle involved
None	71
Speed too fast	1
Speed too slow	0
Failed to yield	53
Disregard traffic control	5
Drove wrong way	1
Drove left of center	7
Improper passing	1
Improper lane use	2
Improper turn	2
Improper / no signal	0
Improper backing	0
Unable to stop in assured clear distance	4
Other	8
Unknown	7
Reckless driving	2
Careless / negligent driving	8
Uncoded & errors	7

# Solutions

- ❖ Prevent the crash from happening
- ❖ PI&E reminding riders of critical skills (link/demo new media campaign)
- ❖ BRC and ERC Training
- ❖ Proper Protective Gear all the time

# Contact Info



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