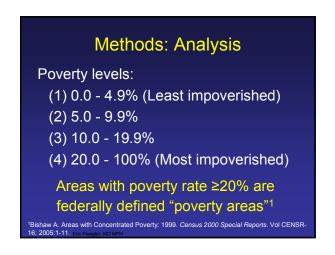
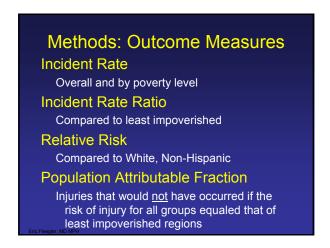
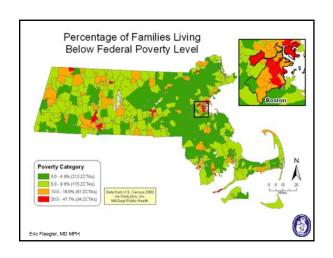
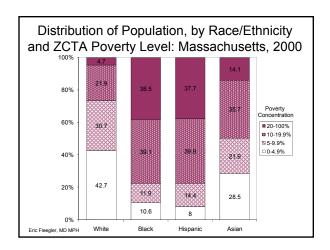


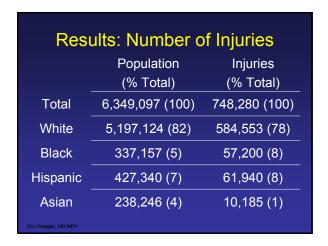
Methods: Analysis Area-based measure of socioeconomic inequality: Poverty rate ZCTA poverty rate calculation: [Population below the federal poverty line] Total population of ZCTA Federal poverty line for a family of four: \$17,603

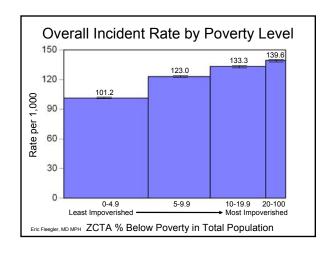


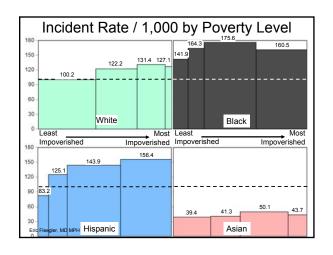


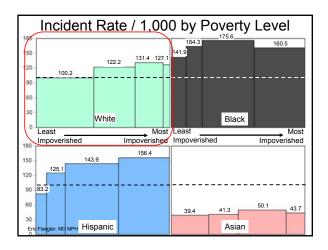


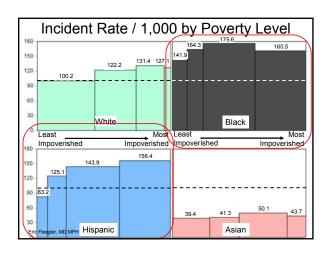


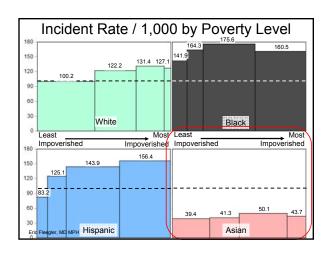












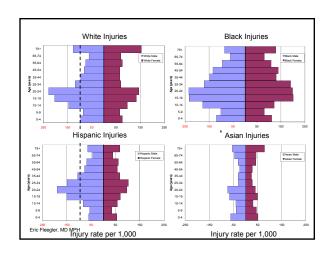
Results: Incidence Rate Ratio			
		Poverty 20-100%	Incidence Rate Ratio
Total	101.2	139.6	1.38
White	100.2	127.1	1.27
Black	141.9	162.7	1.15
Hispanic	83.2	156.4	1.88
Asian	39.4	43.7	1.11
Eric Fleegler, MD MPH			

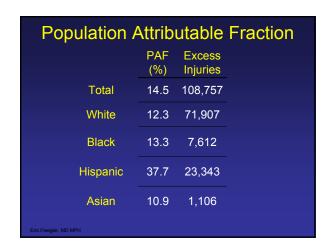
Results: Relative Risks			
	Unadjusted	Adjusted for Age & Gender	Adjusted for Age, Gender & Poverty
Black:White	1.43	1.29	1.15 (1.12, 1.19)
Hispanic:White	1.26	0.97	0.87 (0.84, 0.90)
Asian:White	0.35	0.34	0.31 (0.30, 0.33)
Eric Fleegler, MD MPH			

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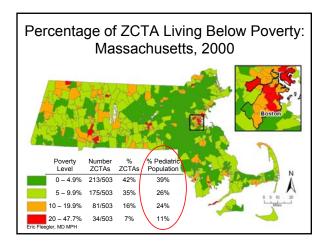
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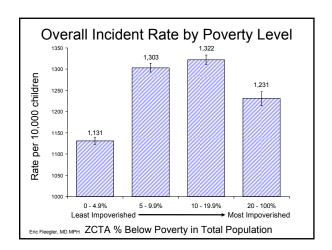


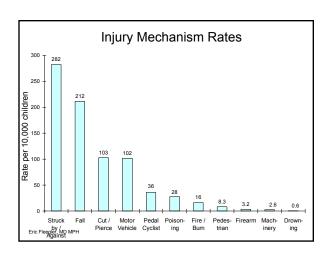


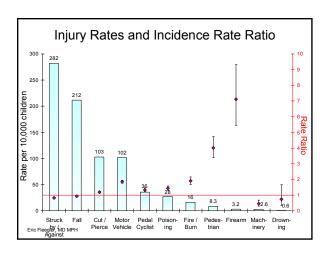
Population	Attrib	utable Fraction	
	PAF (%)	Excess Injuries	
Total	14.5	108,757	
White	12.3	71,907	
Black	13.3	7,612	
Hispanic	37.7	23,343	
Asian	10.9	1,106	
Eric Fleegler, MD MPH			

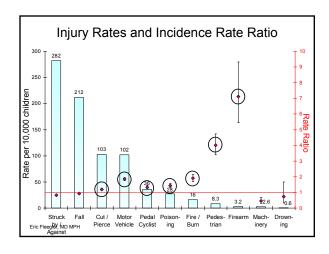


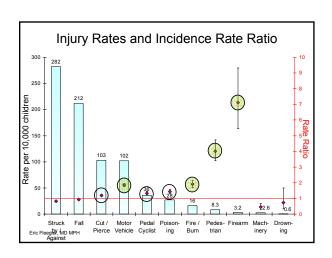


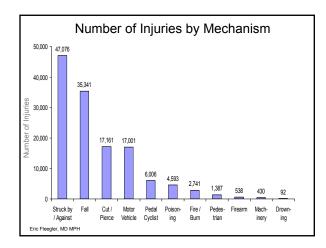


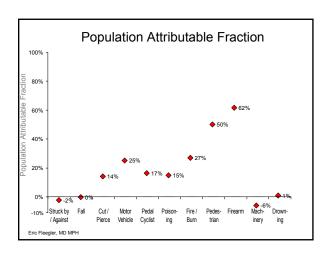


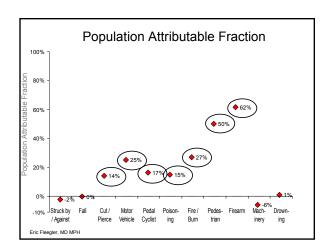


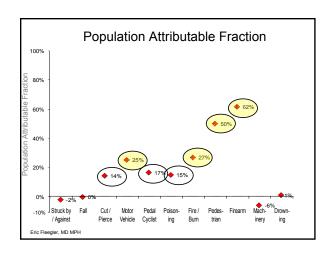


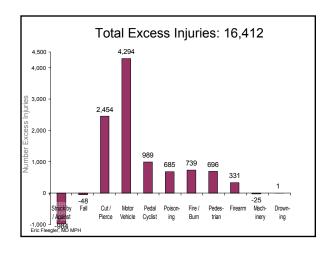


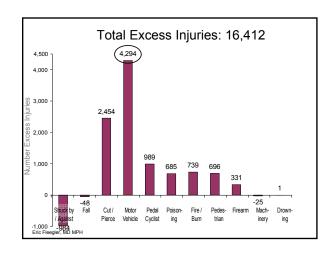












Strengths & Limitations

- · Population based study
 - Injuries presenting to hospitals
 - -Accuracy of zip codes
- · ZCTA poverty measure
 - -Heterogeneous and relatively large
- Distribution of population by poverty concentration
 - High proportion live in least impoverished regions

Eric Fleegler, MD MPH

Summary

- 748,280 injuries in 2004
- Top 10% of zip codes account for 36% of injury charges
- Higher injury rates among most impoverished ZCTAs
- Variation in injury rates among different race/ethnicities
- Overall, 14.5% Population Attributable Fraction and 108,757 excess injuries

Eric Fleegler, MD MPH

Implications

- Socioeconomic inequalities adversely effect all injuries across a spectrum of mechanisms
- Need to address neighborhood-level poverty as a risk factor for injuries
- Need to monitor socioeconomic inequalities to set health objectives and track progress

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Thank you

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Karen Olson, PhD
S.V. Subramanian, PhD
David Mooney, MD MPH

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