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Through Vision Zero SF we commit to working together to prioritize street safety and eliminate traffic deaths in San Francisco by 2024

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# SEVERE TRAFFIC INJURIES IN SAN FRANCISCO

SAN FRANCISCO GENERAL HOSPITAL TRAUMA CENTER  
SAN FRANCISCO DEPARTMENT OF PUBLIC HEALTH

SEPTEMBER 2015

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# How bad is severe?

- Severe Injury = Hospitalization (>24 hours)
- Included patients from Trauma Registry:
  - Admitted to the hospital
  - Unintentional, transportation-related incident
  - Injury incident in San Francisco
- Time Period: April 1, 2014- March 31, 2015

# The Toll: 1 year

**515** Patients  
with Severe  
Injuries

**VS**

**~200** SFPD  
reported  
Severe Injuries

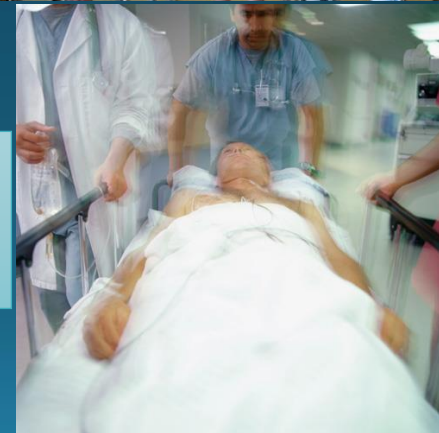
**1/5 seniors**



**28 children**



**6 days**



# Why are there differences in Severe Injury Counts?




- Injury severity assessed immediately at the scene
- No freeway injuries
- No underground transportation injuries
- No non-MV injuries
- Not all injuries reported to PD

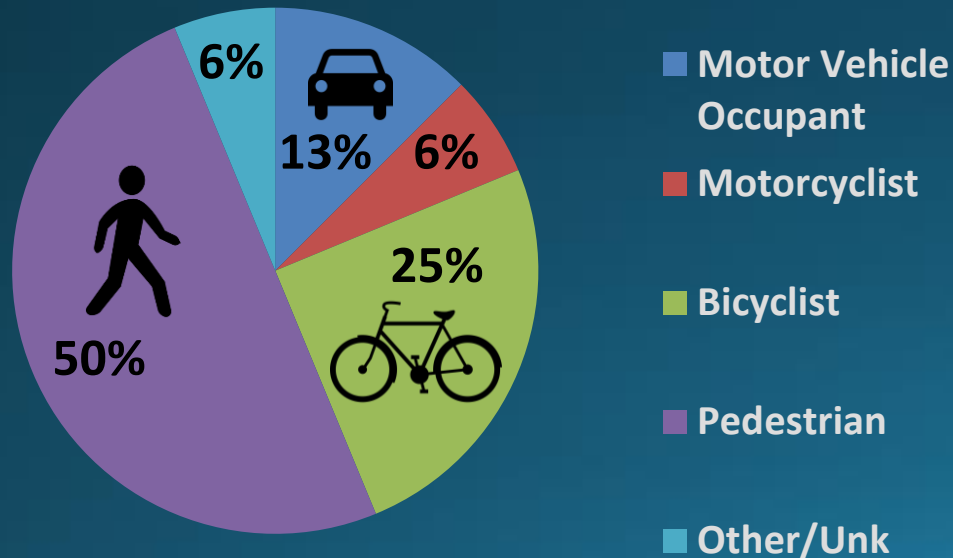


- Injury severity determined by medical staff with medical test results
- Injuries include all types of road users and include non-PD jurisdictions

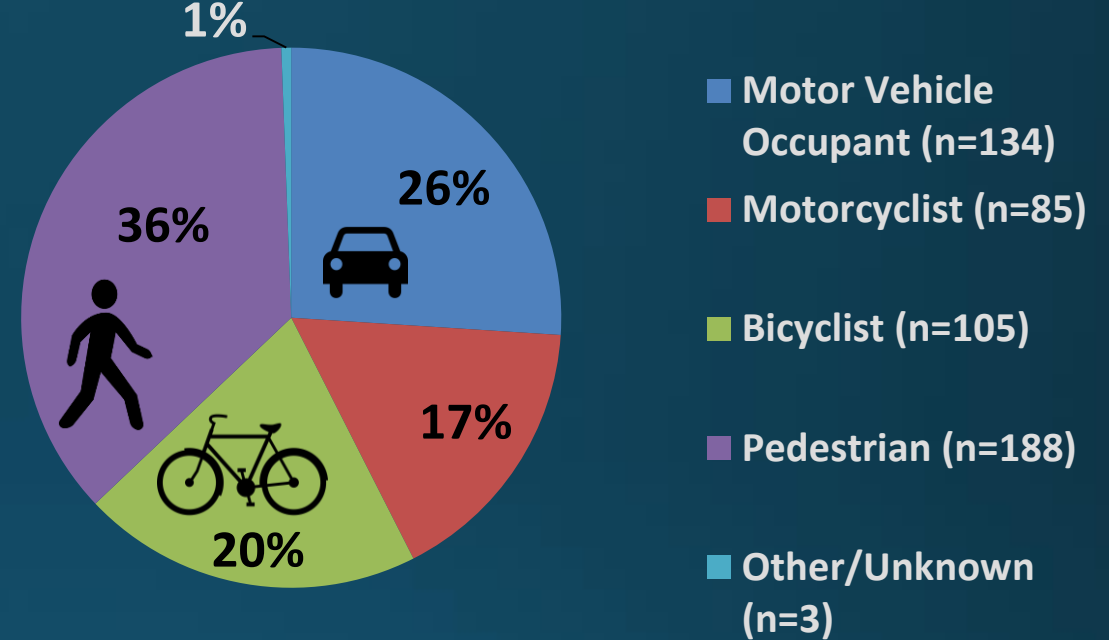
# The Toll: 515 Patients in 1 year

 **16** admitted  
patients died

## Deaths by Road User Type



## Severe Injuries by Road User Type

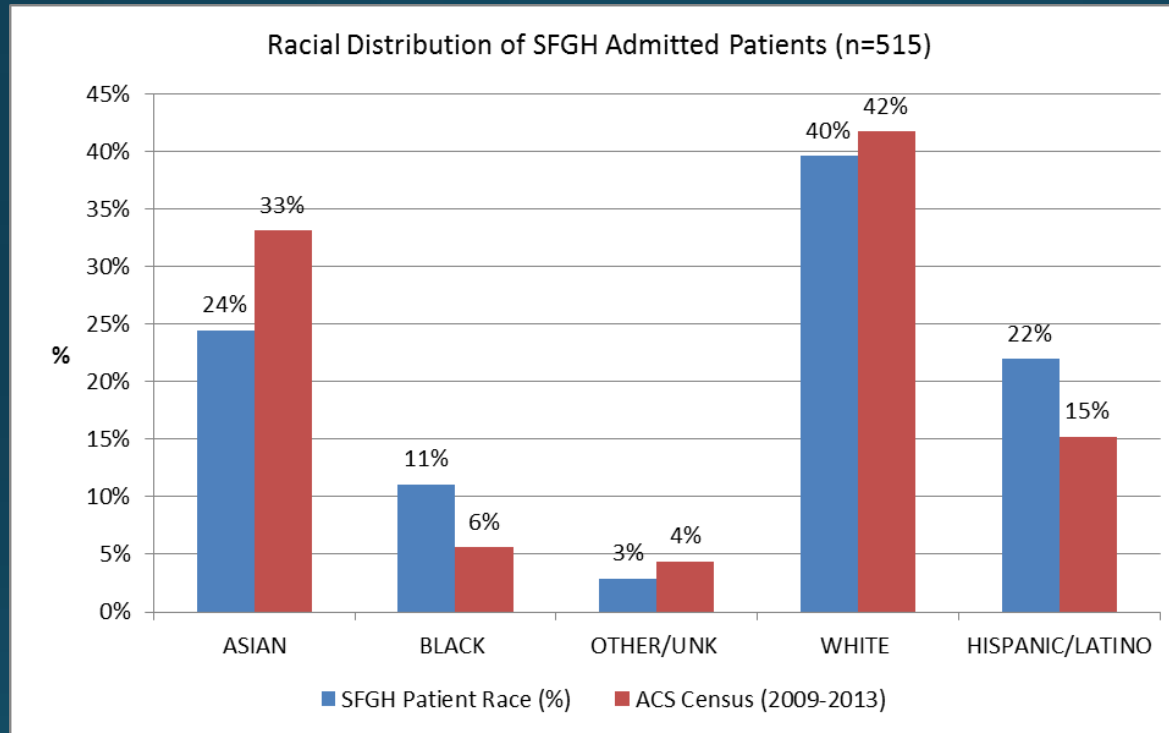
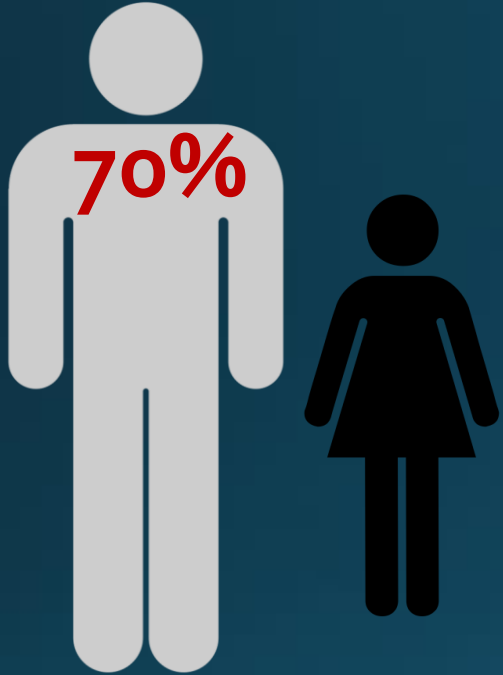


# 55%

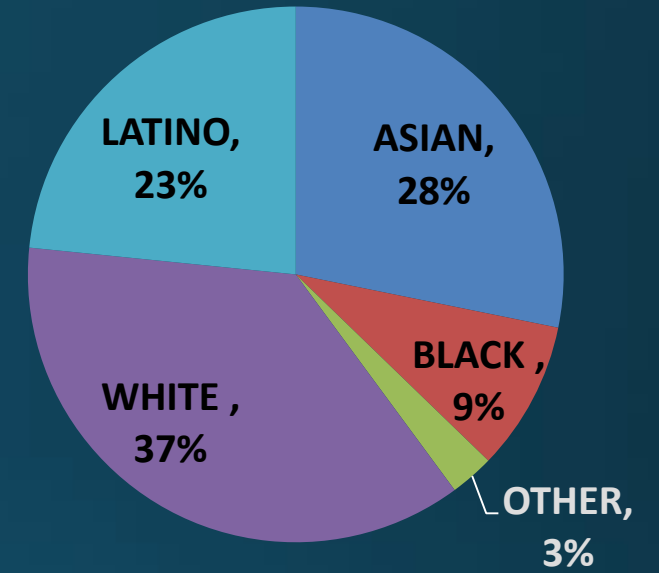
of patients charged  
medical bills to public  
funds, while 41%  
charged to private  
insurance



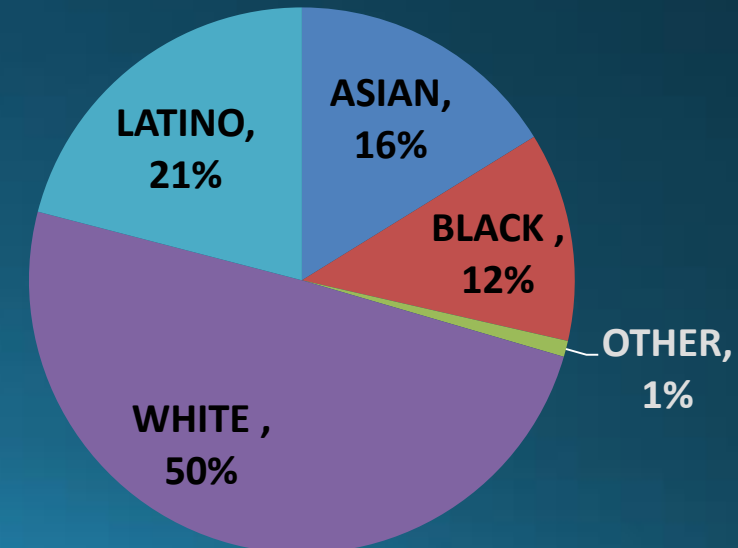
# Demographics: Sex & Race



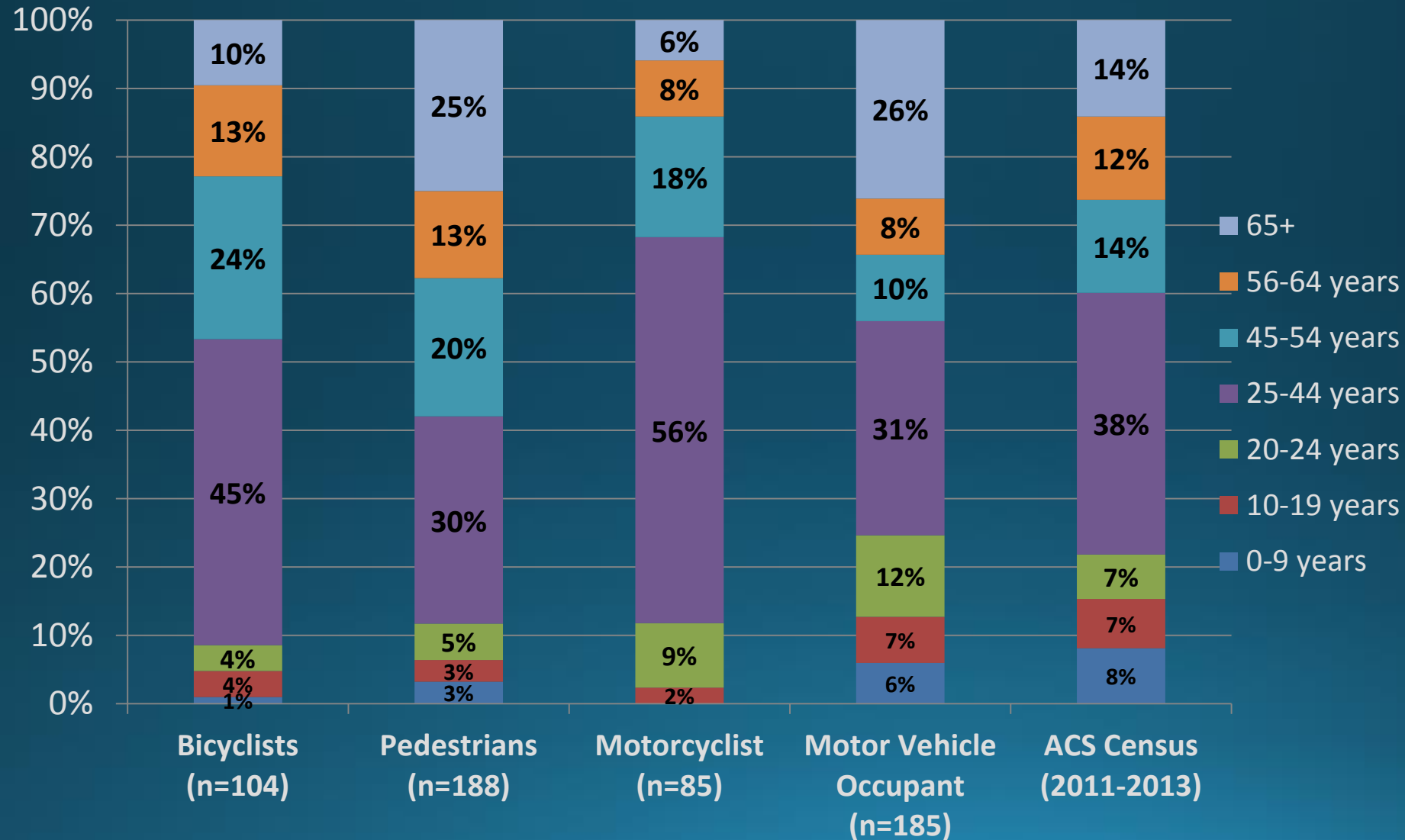
## Pedestrians (n=188)



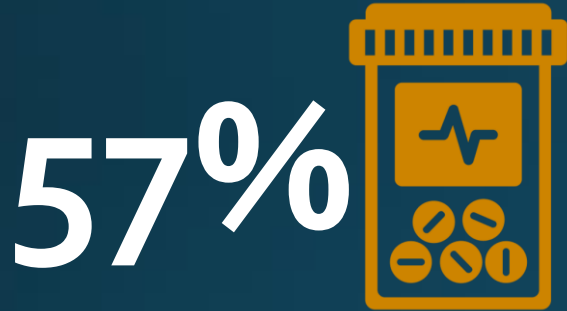
## Cyclists (n=105)



# Demographics: Age



# Vulnerable Populations

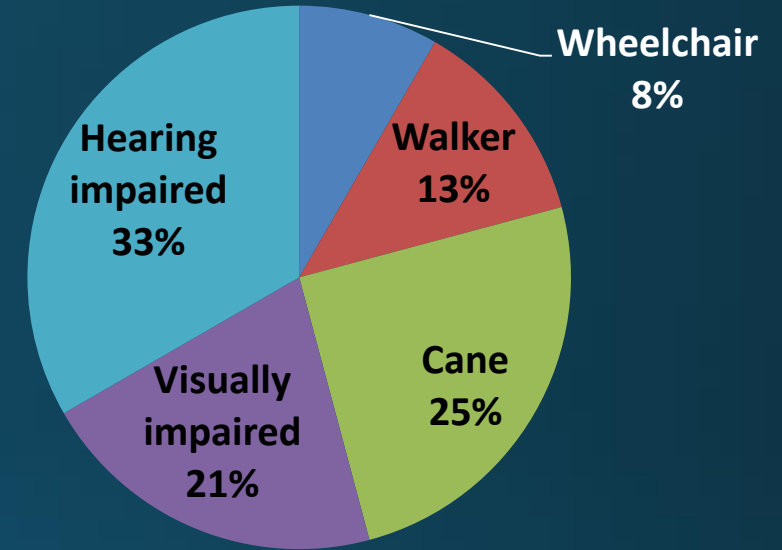


of admitted patients have an existing medical condition (e.g. diabetes, hypertension...)

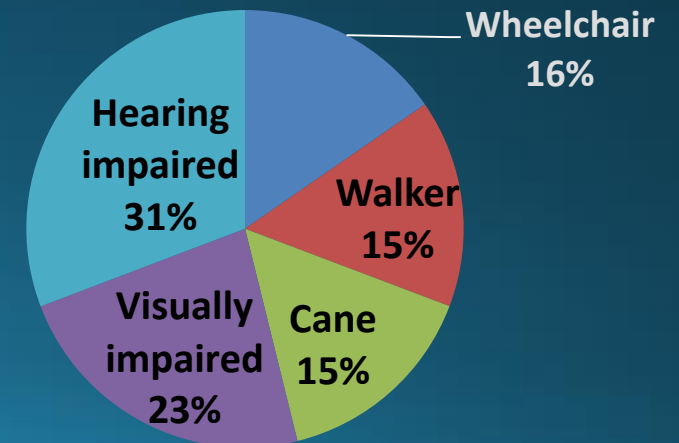


of admitted patients have an existing disability

Patients with disabilities (n=24)

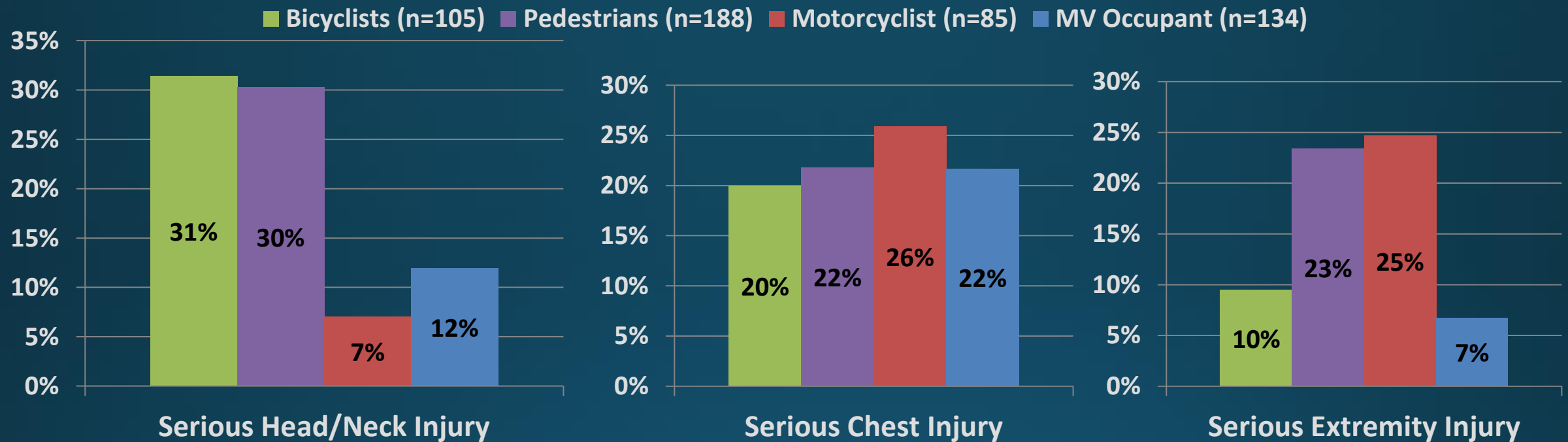


Pedestrians with disabilities (n=13)





# Injuries: Body Region & Long-term Outcomes

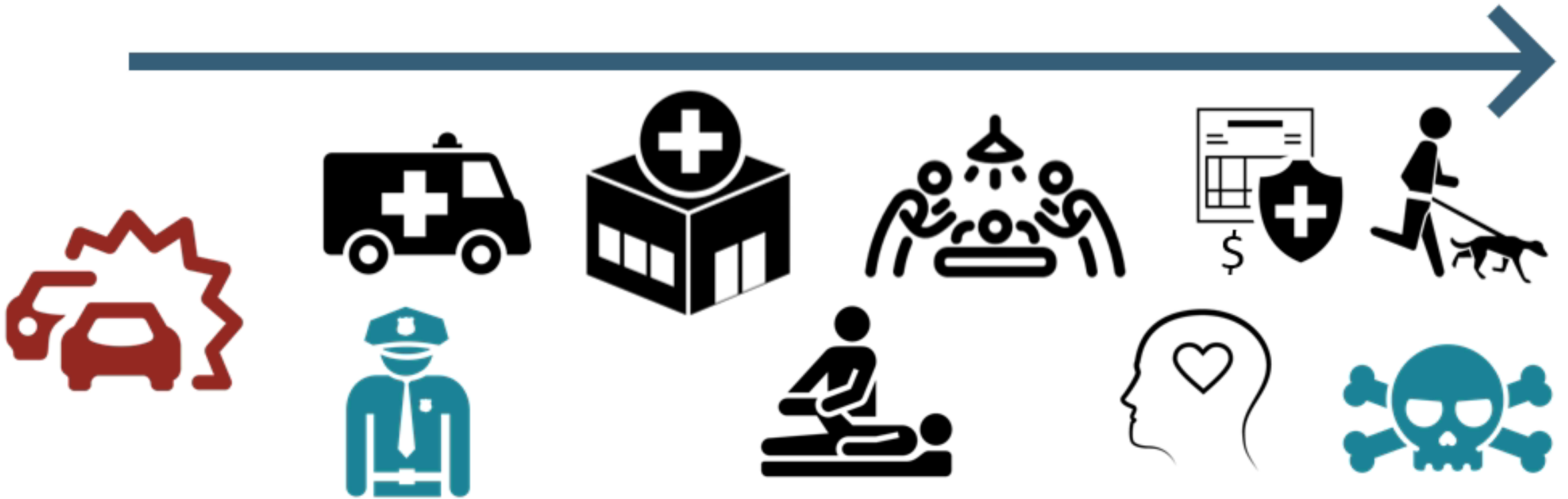


**1/10**



Of admitted patients go on to  
a Skilled Nursing Facility

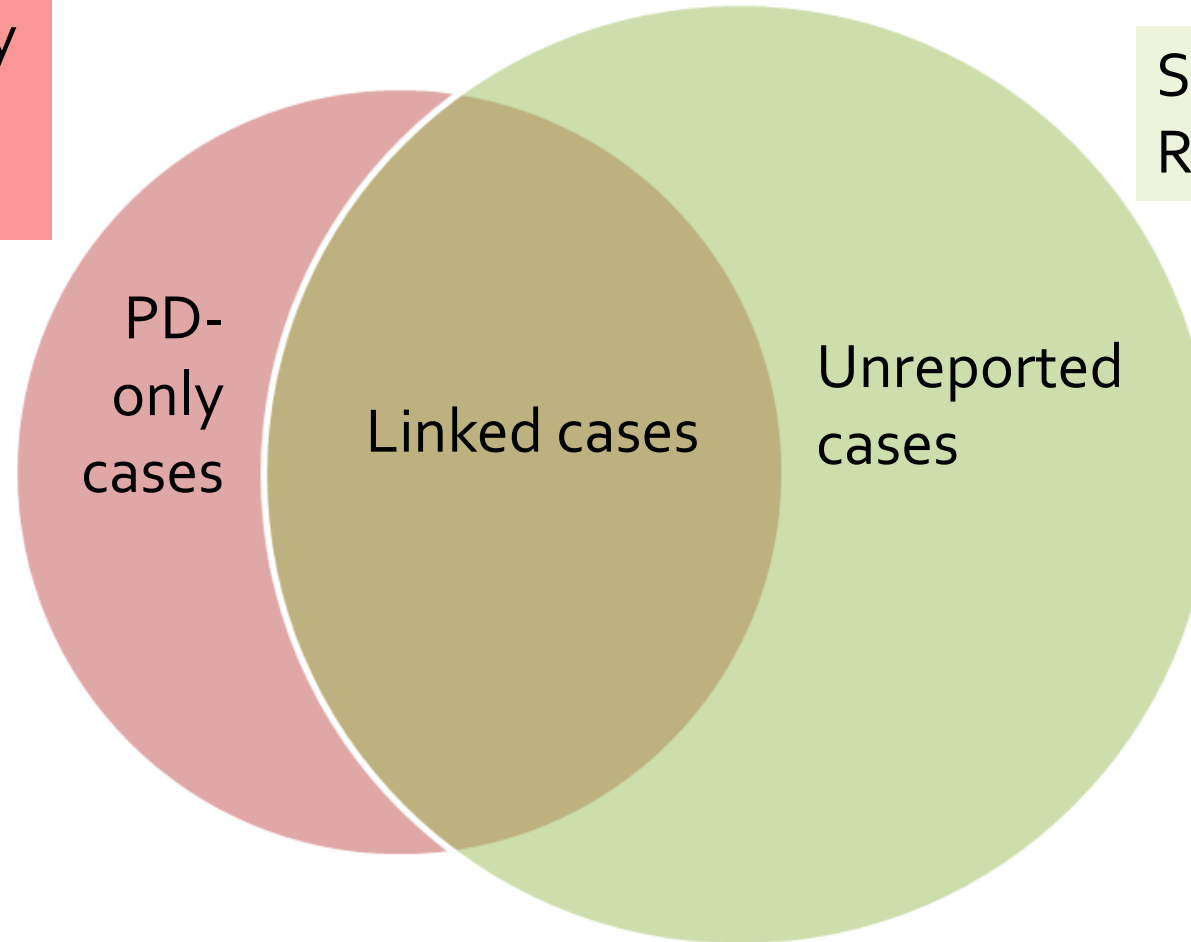
# Transportation-related Injury Surveillance System



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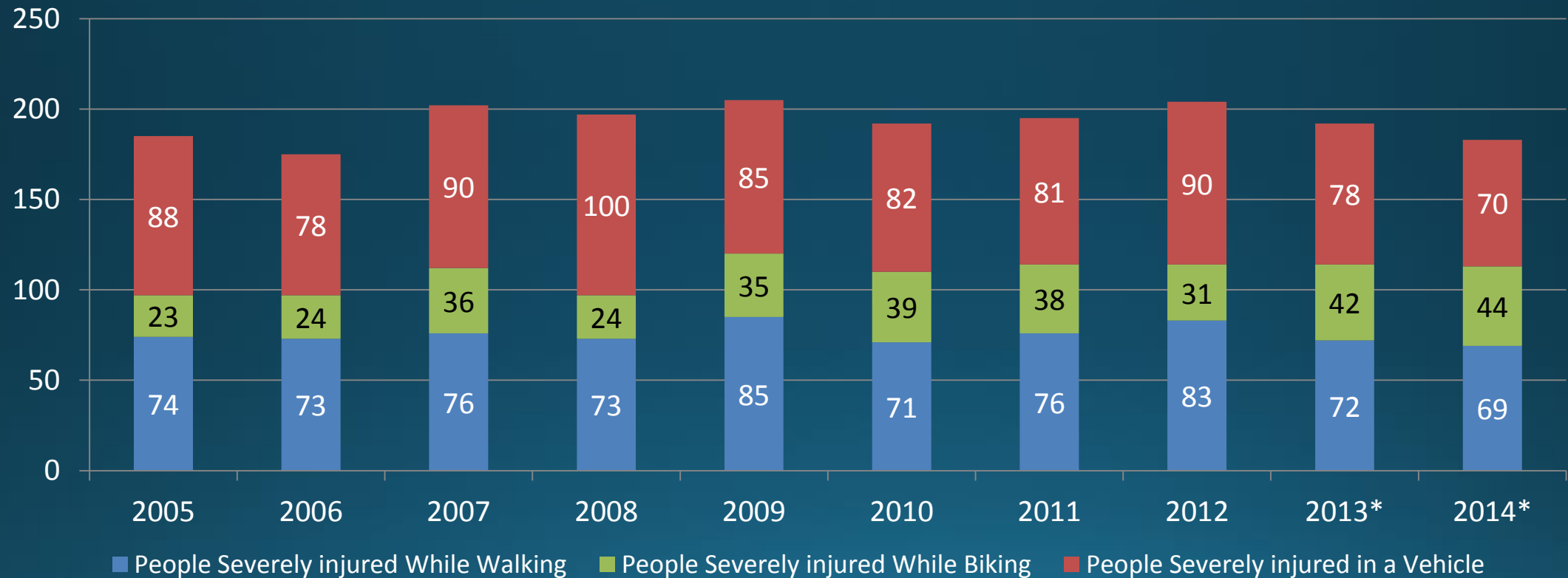
SFPD Injury  
Collisions  
N ~ 200

SFGH Trauma  
Registry N = 515



# Severe Injury Trends

San Francisco Severe Traffic Injuries, 2005-2014 <sup>#</sup>



\* Police reported Crossroads records used for 2013 and 2014 injury data . This data is preliminary and is still undergoing QA/QC review.

<sup>#</sup> Data excludes injuries occurring on freeways and/or private property in San Francisco.



# Improving Surveillance=Better Decisions



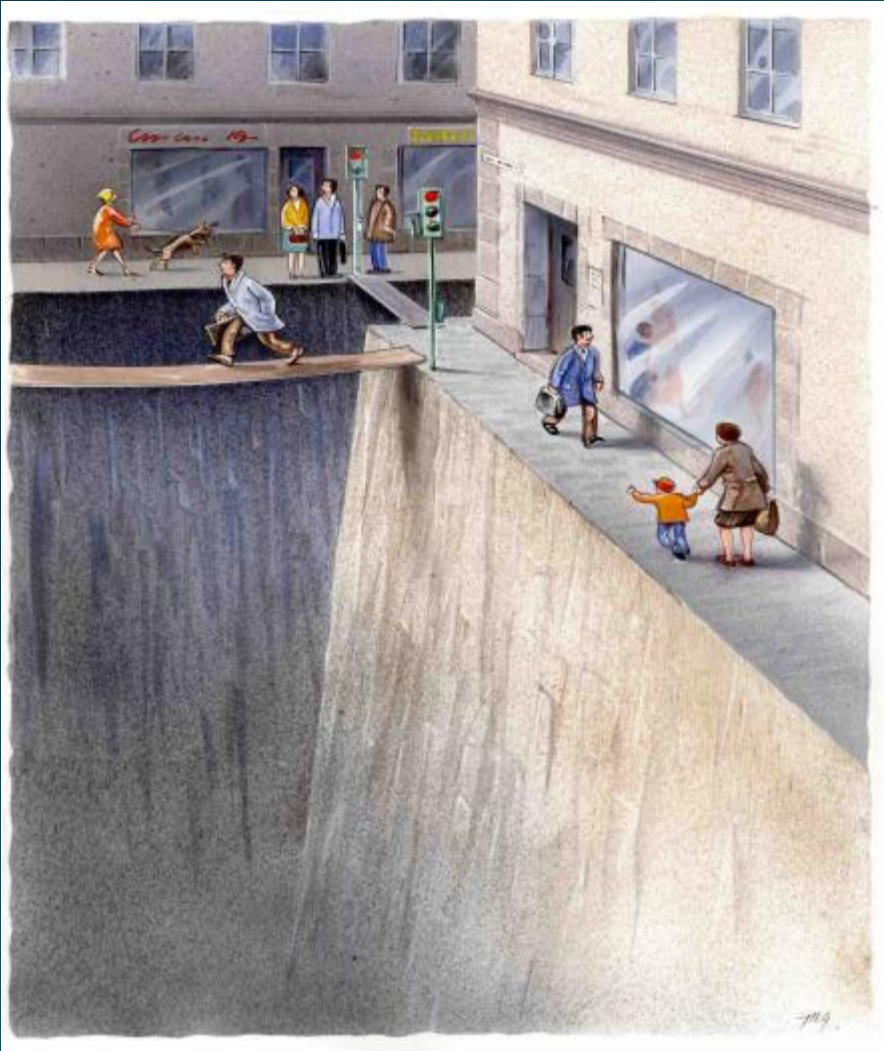


# Next Steps

- Obtaining EMS data (SFGH and others)
- Linkage = Fall 2015 (using 2013-2014 injury data)
  - Conducting Analyses to inform targeted interventions
  - Assess spatial differences between SFPD vs. Hospital data
- Share de-identified dataset with City partners and the public



# Thank you! Questions?



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