Welcome to the Solano County Pedestrian Safety Symposium

February 6, 2019
Willow Hall,
Fairfield Community Center
9:00am – 12:00pm
Welcome

Rochelle Sherlock, Facilitator
Potentiate LLC

Mayor Harry Price, City of Fairfield
Solano Transportation Authority Board Chair

John Vasquez, County of Solano
Supervisor District 4
1. Before today’s symposium, how concerned were you about pedestrian safety in Solano County?

A. Very Concerned
B. Moderately Concerned
C. Somewhat Concerned
D. Not Concerned at all

- Very Concerned: 56%
- Moderately Concerned: 22%
- Somewhat Concerned: 17%
- Not Concerned at all: 6%
2. When did the Solano Safe Routes to School Program start?

A. 1990
B. 2004
C. 2008
D. 2010
Pedestrian Safety – Is it a Problem?
Stories from the Field
Watch Forrest’s Story
SIX PEOPLE ARE KILLED BY A HIT-AND-RUN DRIVER EVERY DAY IN THE UNITED STATES.
The number of fatal hit-and-runs have reached epidemic proportions in the United States.

More than one hit-and-run crash occurs every minute on U.S. roads, according to the most recent research from the AAA Foundation for Traffic Safety (2018).

These crashes resulted in 2,049 deaths during the latest reporting period – the highest number on record and a 60 percent increase since 2009.

Sadly, these numbers are trending upward.
California Leads the Nation in the Number of Hit-and-Run Fatalities

- With more than 300 hit-and-run fatalities per year, California leads the nation in deadly hit-and-runs and still ranks high in terms of per capita, coming in at #7.

- Only Texas (233) and Florida (206) had more than 100 fatalities attributed to hit-and-runs
The AAA report found that most victims of fatal hit-and-run crashes are pedestrians or bicyclists.

Over the past 10 years, nearly 20 percent of all pedestrian deaths were caused by hit-and-run crashes.

Pedestrians and cyclists are obviously the most vulnerable on the road.
MY H.A.R.D. STORY
Solano County Pedestrian Safety Symposium
Solano County Pedestrian Safety Symposium
OUR MISSION

- Put an end to the heartbreaking hit-and-run epidemic
- Raise awareness about hit-and-runs
- Promote pedestrian and bicycle safety
- Support hit-and-run victims and their families
- Work to change lenient laws and sentencing for felony hit-and-runs
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www.stophard.org

Facebook/JusticeforJamari

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Safety Data

- Data Sources
- What is included in the data?
- What do we do with the data?
- What have we done?
Data Sources

- CHP Incident Report
- Local Police
- Statewide Integrated Traffic Records System (SWITRS)
- Caltrans Traffic Accident Surveillance and Analysis System (TASAS)
- UC Berkeley Traffic Accident Surveillance and Analysis System (TAMS)
- Third Party
- Crossroads
What is included in the data?

- **Date/Time**
- **Location** – Lat/Long or Roadway/Intersection
- **Conditions** – Light level, weather, road surface
- **Crash event** – vehicles involved, primary cause, type of crash, direction, severity, participants
What do we do with the data?

**SOLANO COUNTY PEDESTRIAN COLLISION TRENDS**

**Crash Types and Control**

**Pedestrian Crashes**
- 590 (17,960)

**Intersection**
- 238 (6,340)

**Signal**
- 113 (2,570)
  - TOP 4 CONTRIBUTING FACTORS
    - Pedestrian Violation 31 (1,210)
    - Pedestrian Right-of-Way 53 (800)
    - Traffic Signals & Signs 6 (150)
    - Improper Turning 6 (60)

**Stop/Regulatory**
- 125 (3,770)
  - TOP 4 CONTRIBUTING FACTORS
    - Pedestrian Right-of-Way 67 (1,930)
    - Pedestrian Violation 19 (640)
    - Unsafe Speed 10 (640)
    - Automobile Right-of-Way 5 (50)

**Non-Intersection**
- 341 (11,330)

- TOP 4 CONTRIBUTING FACTORS
  - Pedestrian Violation 151 (5,650)
  - Pedestrian Right-of-Way 66 (1,560)
  - Unsafe Speed 28 (1,540)
  - DUI 11 (560)

**Legend**
Number of Collisions (Aggregated EPDO Score)
What do we do with the data?

Solano County Pedestrian Crashes by Jurisdiction

- Benicia
- Dixon
- Fairfield
- Rio Vista
- Suisun City
- Unincorporated Solano
- Vacaville
- Vallejo
What do we do with the data?

Solano County Pedestrian Crashes by Age

- Young (<=18)
- Middle Age (19-64)
- Old (>=65)
- Unknown

Demographics
What do we do with the data?

Sum of Equivalent Property Damage Only (EPDO) Score, by Census Block Group, July 1, 2012-June 30, 2017
Solano County

Locations and Heatmaps

Prepared by Solano Public Health Epidemiology Unit, January 2019
What have we done?

Data Collection and Processing → Priority Location Identification

Crash Trend Identification → Countermeasure Identification

Project Funding → Implementation
What have we done?

Safety-based Countywide Plans

- Travel Safety Plan (2018)
- Safe Routes to School (ongoing)
- Active Transportation Plan (ongoing)
What have we done?

$8.8 Million in HSIP funding countywide!
Why is Public Health Here?

- Pedestrian injuries are an important public health issue in Solano County.

- The goal of public health is to achieve health equity. The health and safety outcomes that most harm our communities’ residents are correlated with inequities.

- Pedestrian injuries are a window into addressing inequities in our community.
Two Considerations

- There is a correlation between health inequities and pedestrian injuries. Data show that in the built environment, ‘hot spots’ for pedestrian injuries are the same places in Solano County where there are high rates of diabetes, food insecurity, racial inequities in health and safety outcomes, and income inequities.

- A focus on Pedestrian Safety is an opportunity to address pedestrian injuries and health inequities. Local jurisdictions can create physical environments that help all their residents and visitors be more physically active, be safer, eat healthier foods and drink more water.
Correlation with Health Outcomes

Sum of EPDO by Block Group and Zip Code Borders, Solano County, CA

Highest diabetes rate among adults

Sources:

Prepared by Solano Public Health Epidemiology Unit, January 2019.
Correlation with Health Outcomes

Sum of EPDO by Block Group and Zip Code Borders, Solano County, CA

High rates of obesity among adults
Correlation with Health Outcomes

Sum of EPDO by Block Group and Zip Code Borders, Solano County, CA

High rates of low income people who are food insecure
Correlation with Income Inequities

Pedestrian Injury and Percentage Individuals Living Below Poverty Level, by Census Block Group, Solano County

Sum of Equivalent Property Damage Only (EPDO) Score for Block Group, July 1, 2012-June 30, 2017

Percentage of individuals Living Below 100% Poverty Level, 5-Year Average, 2013-2017

- 0-20
- 21-39
- 40+

No poverty data available

No Poverty Data

Sources:

Prepared by Solano Public Health Epidemiology Unit, January 2019
Correlation with Race and Ethnicity

Pedestrian Injury and Percent People of Color, by Census Block Group, Solano County

Sum of Equivalent Property Damage Only (EPDO) Score for Block Group, July 1, 2012-June 30, 2017

Percentage of People of Color, 5-Year Average, 2013-2017
- 0-74
- 75+

No Race/Ethnicity Data

Sources:
- Race/Ethnicity: US Census Bureau, American Community Survey, 5-Year Average, 2015-2017, Table B05002

Prepared by Solano Public Health Epidemiology Unit, January 2019
Rather than viewing pedestrian injuries as a jurisdictional responsibility to prevent liability, we can collaborate to prioritize pedestrian safety as an integral part of a vibrant, healthy, equitable community.

Public Health can help leverage other initiatives and data in addressing pedestrian safety, such as:

- Hospital and Public Health Community Needs Assessments
- Solano Moves – a coalition to increase physical activity in Solano County
- Various partnerships to increase healthy food access throughout the County

The residents of your city need us all to collaborate for their health and safety; none of us can do it alone!
What can we do together?

- Build on the multi-sector partnerships of Safe Routes to School
- Coordinate messaging to the public about the health and safety of environmental improvements
- Communicate anecdotal and data-driven information to one another to identify ‘hot spots’ and inequities to pay attention to
- Help each other to consider safety, health and equity in our decision making and priority setting
- Other ideas?

BROADER PARTNERSHIPS LEAD TO BROADER SOLUTIONS
How can we identify solutions?

- **Data-Driven:**
  - Environmental
  - Roadway Characteristics
  - Behavioral

- **Staff- and Stakeholder-Driven:**
  - STA
  - Public Health
  - School Districts

- **Community-Driven:**
  - Workshops, townhalls, focus groups
3. After hearing the data presentation from our two presenters, how concerned are you about pedestrian safety in Solano County?

A. Very Concerned

B. Moderately Concerned

C. Somewhat Concerned

D. Not Concerned at all
How Kern Co. is addressing Pedestrian Safety
Roundtable Discussion and Feedback

1. What are your thoughts, feelings, and reactions to the information you’ve received this morning?

2. What is being done to address pedestrian safety in Solano County?

3. What can we do collectively, to improve pedestrian safety countywide?
4. After discussing in your small groups, what should we prioritize as a next step?

A. Form a Countywide Committee focused on pedestrian safety and built environment improvements

B. Work to develop a Countywide Campaign that combines education and alerts the public of upcoming safety projects

C. Host Education/Awareness events in September for California Pedestrian Safety Month

D. Create a Solano County Safety Day
Next Steps – STA Plans to

1. Gather this information and make it available to those that couldn’t be here. The information will be available on our website

2. Take this information to our Active Transportation Program (ATP) Committee, Pedestrian Advisory Committee (PAC) and SR2S Advisory Committee which report to the STA Board

3. Connect to our upcoming Active Transportation Plan to make sure these issues are being addressed