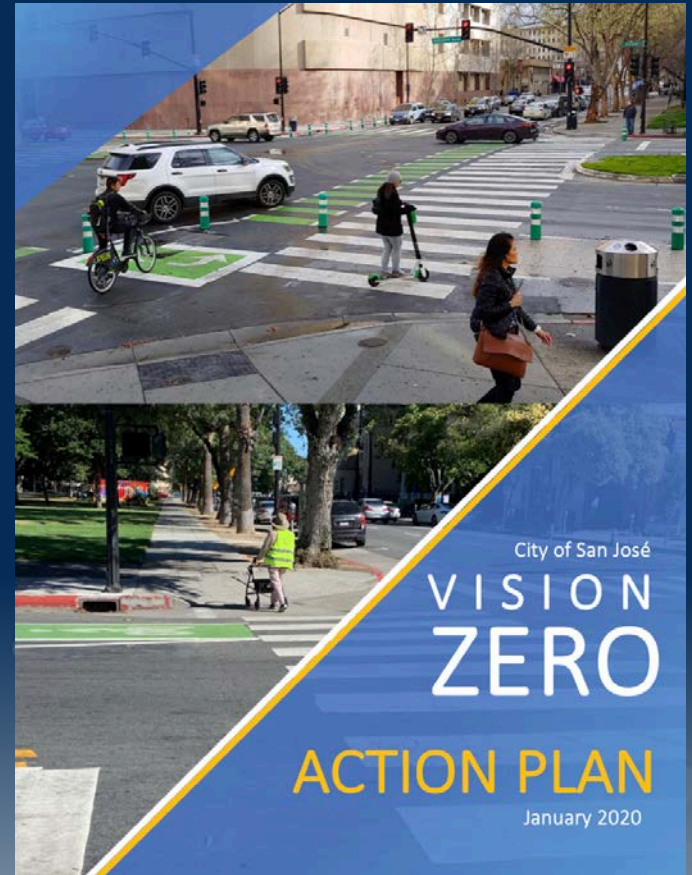


# San José Vision Zero

## Meeting #3: Data



# 3/5/21 Agenda

9:00-9:10



City of San José  
Vision Zero Task Force #3: Data

Chair — CM Raul Perez (CD 3)  
Vice Chair — CM Pam Foley (CD 9)

**DATE/TIME:** Friday, March 5, 2021, 9am – 11am

**LOCATION:** [https://sanjoseca.zoom.us/webinar/register/WN\\_qd4veHeNRfGSoRiqiJMJDw](https://sanjoseca.zoom.us/webinar/register/WN_qd4veHeNRfGSoRiqiJMJDw)

## MEETING AGENDA

1. **Call to Order and Chairperson Report (9:00-9:10)**
  - A. Welcome
  - B. Roll Call (Agencies present)
  - C. Minutes posted for the Vision Zero Task Force of December 10, 2020
  
2. **Reports and Updates (9:10-9:30)**
  - A. Quarterly Update on Vision Zero Key Metrics, 2020 data summary
  - B. 2020 Action Plan: Priority Action Area Update
    - Build Robust Data Analytics Tools
    - Form a Vision Zero Task Force
    - Strategize Traffic Enforcement - Sgt. Greg Connolly, SJPD
    - Increase Community Outreach and Engagement
    - Implement Quick Build data-driven safety improvements
    - Prioritize resources on high-KSI corridors and districts
  
3. **Task Force Member Discussion (9:30-9:45)**
  
4. **Meeting Theme: Data (9:45-10:30)**
  - A. San José Police Department, Traffic Enforcement Unit: Sgt. Greg Connolly
    - DOT/VZ: Crash, injury, mapping analysis
  - B. Santa Clara County Medical Examiner-Coroner: Dr. Michelle Jorden
    - DOT/VZ: Traffic Fatalities involving people without housing
  - C. Santa Clara County Emergency Medical Services Agency: Falko Schoeneweiss
    - DOT/VZ: Plans to emulate San Francisco's linkage of crash and hospital trauma datasets
  
5. **Task Force Member Discussion (10:30-10:45)**
  
6. **Open Forum** (*Meeting attendees are usually given two (2) minutes to speak on any discussion item and/or during open forum; the time limit is in the discretion of the Chair of the meeting and may be limited when appropriate.*) (10:45-11:00)

### Attachments:

- [3/5/21: Vision Zero Task Force: Presentation](#)
- [2/4/21: Smart City & Innovation Committee: Vision Zero Update](#)
- [2/11/20: 2020 Vision Zero Action Plan](#)
- [Brown Act/Sunshine Act](#)
- [Vision Zero Task Force Work Plan](#)

**Next Vision Zero Task Force Meeting: Friday June 4, 2021 at 9am – 11am – Theme: Outreach**

Find task force agendas, recordings, minutes and links for future meetings at [visionzerosj.org](http://visionzerosj.org)

# Vision Zero Task Force

## 1. Call to Order and Chairperson Report

**Welcome – CM Raul Peralez**

**Roll Call (Departments/Agencies Present)**

**Minutes posted for the Vision Zero Task Force of  
December 10, 2020**

# Vision Zero Task Force

## 2. Reports and Updates: A. Key Metrics

Similar to reports in other US cities, traffic volume is down, crashes and injuries are down, but speeding is up due to lower congestion – resulting in KSI and fatalities remaining in range from recent years.

### Crash and Injury Data: 2020 vs 2019

Crashes ▼ 28%

Injuries ▼ 31%

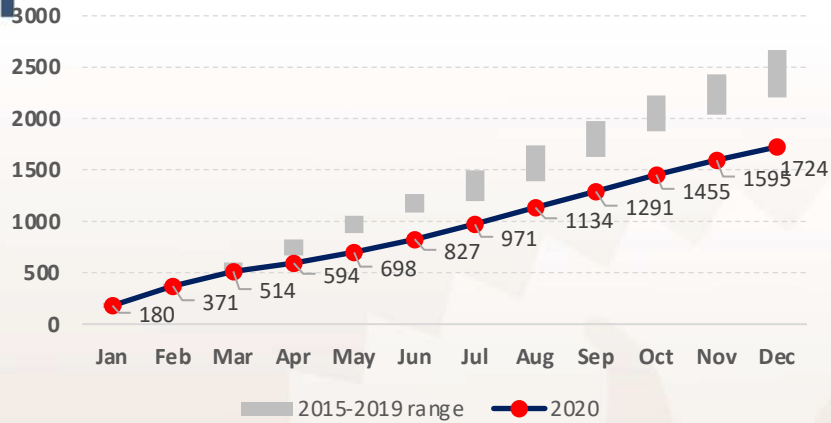
Fatal + Severe Injuries (KSI) ▼ 9%

Fatalities ▼ 18%

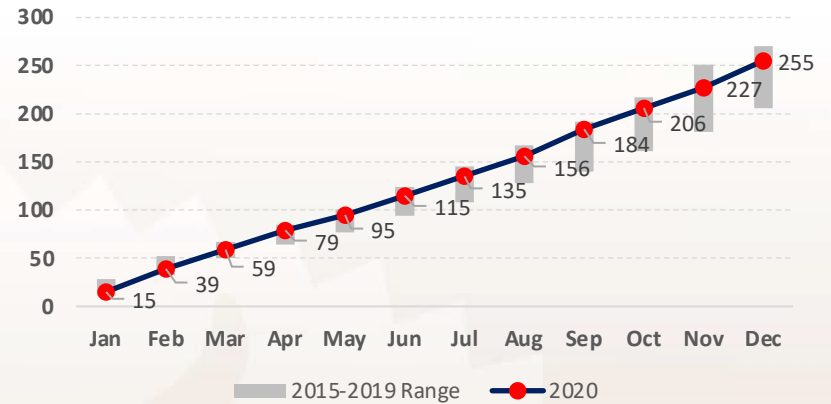
Fatalities caused by Speeding ▲ 117%

# 2020 Traffic Crashes by Month

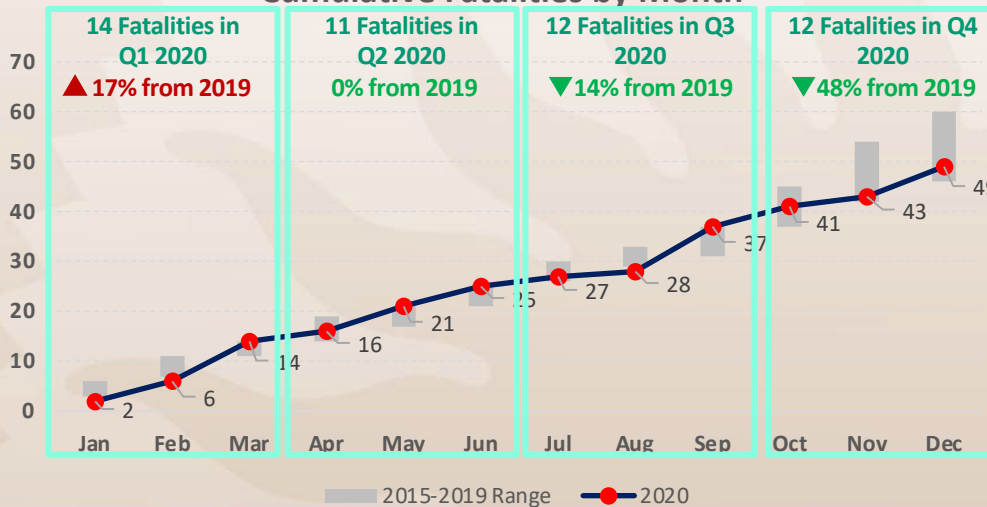
### Cumulative Injury Crashes by Month



### Cumulative KSI by Month



### Cumulative Fatalities by Month

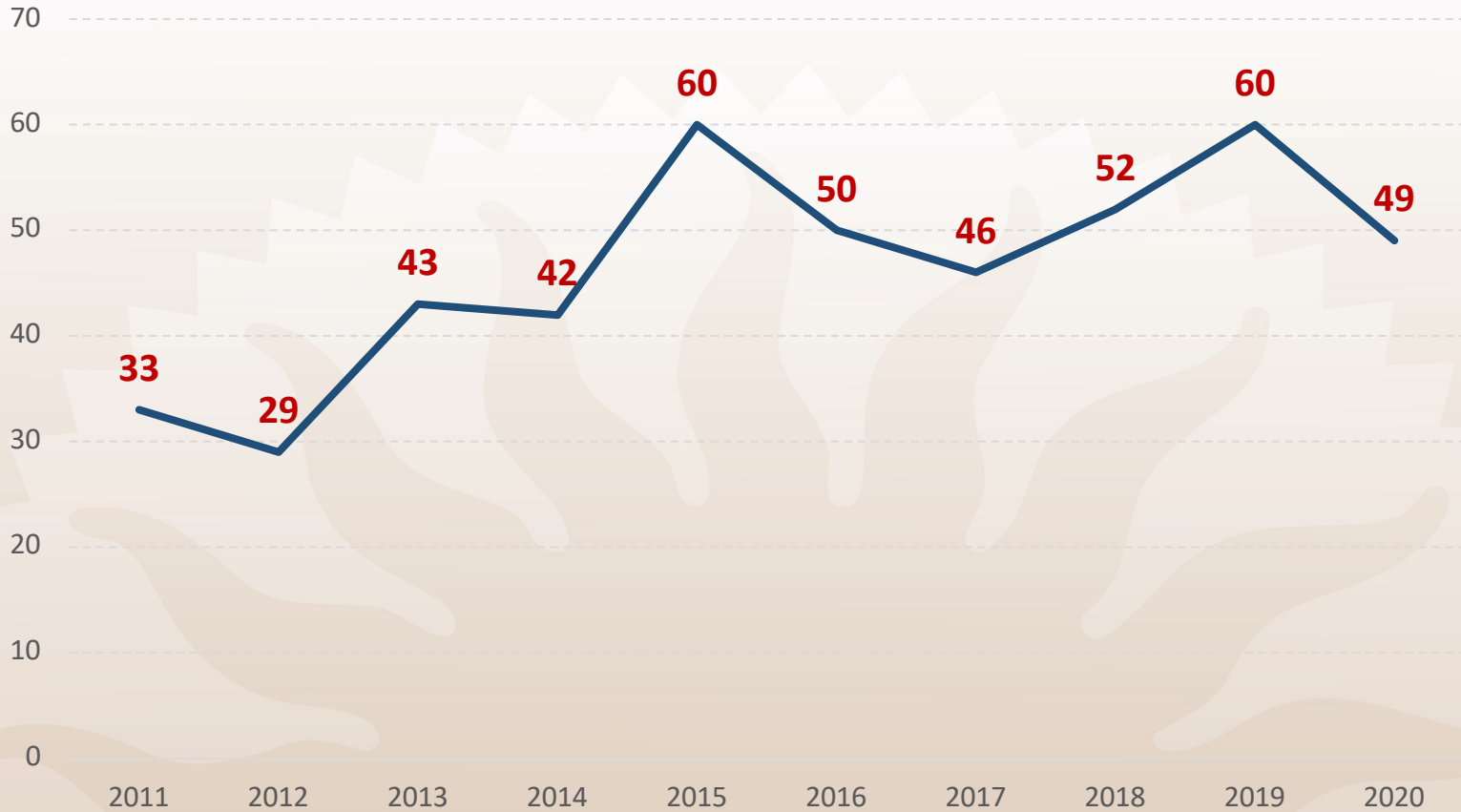


In 2020:

- 48 fatal crashes with 49 fatalities
- 4 in private lots

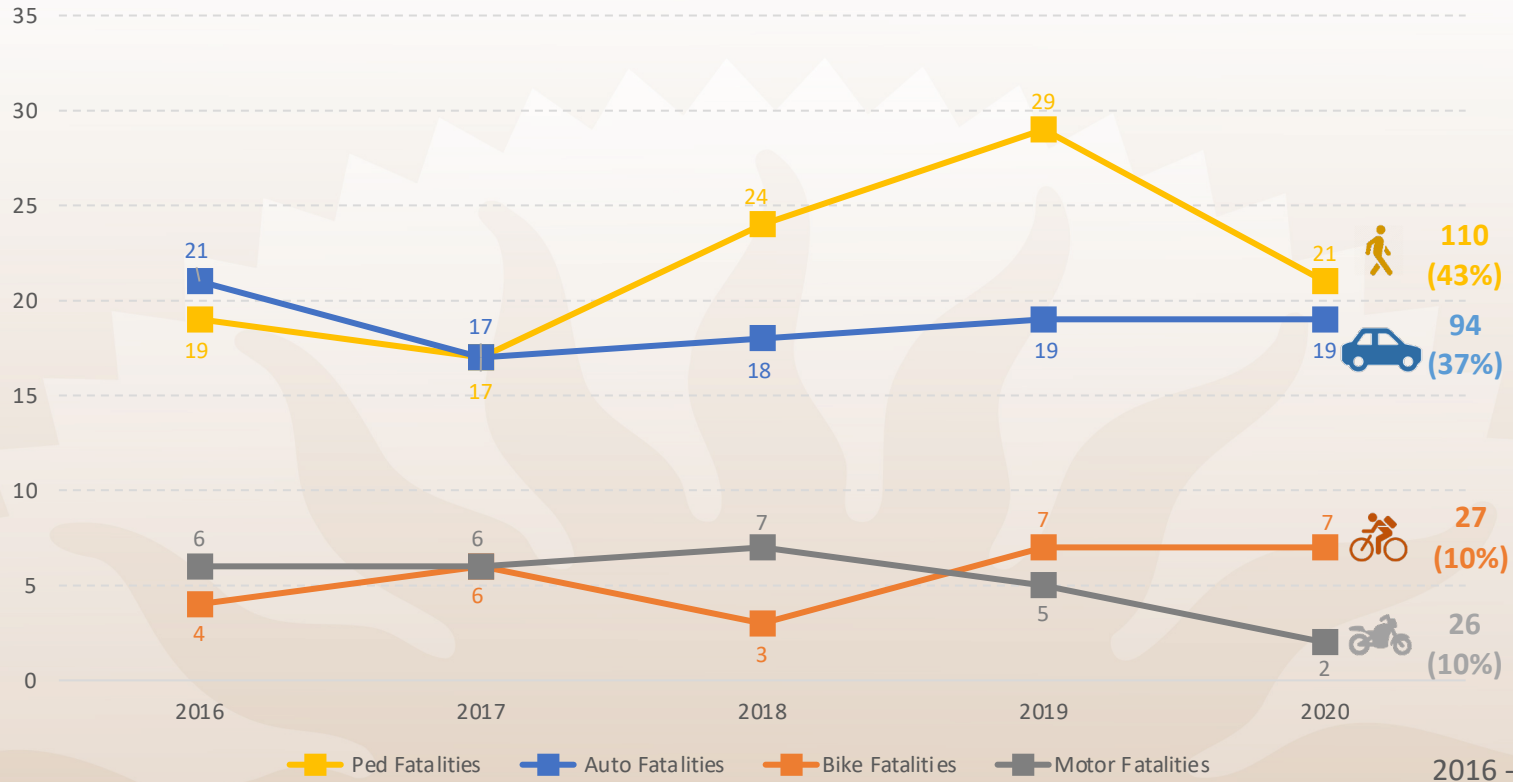
# Traffic Fatalities

## 2015 and 2019 were peak years



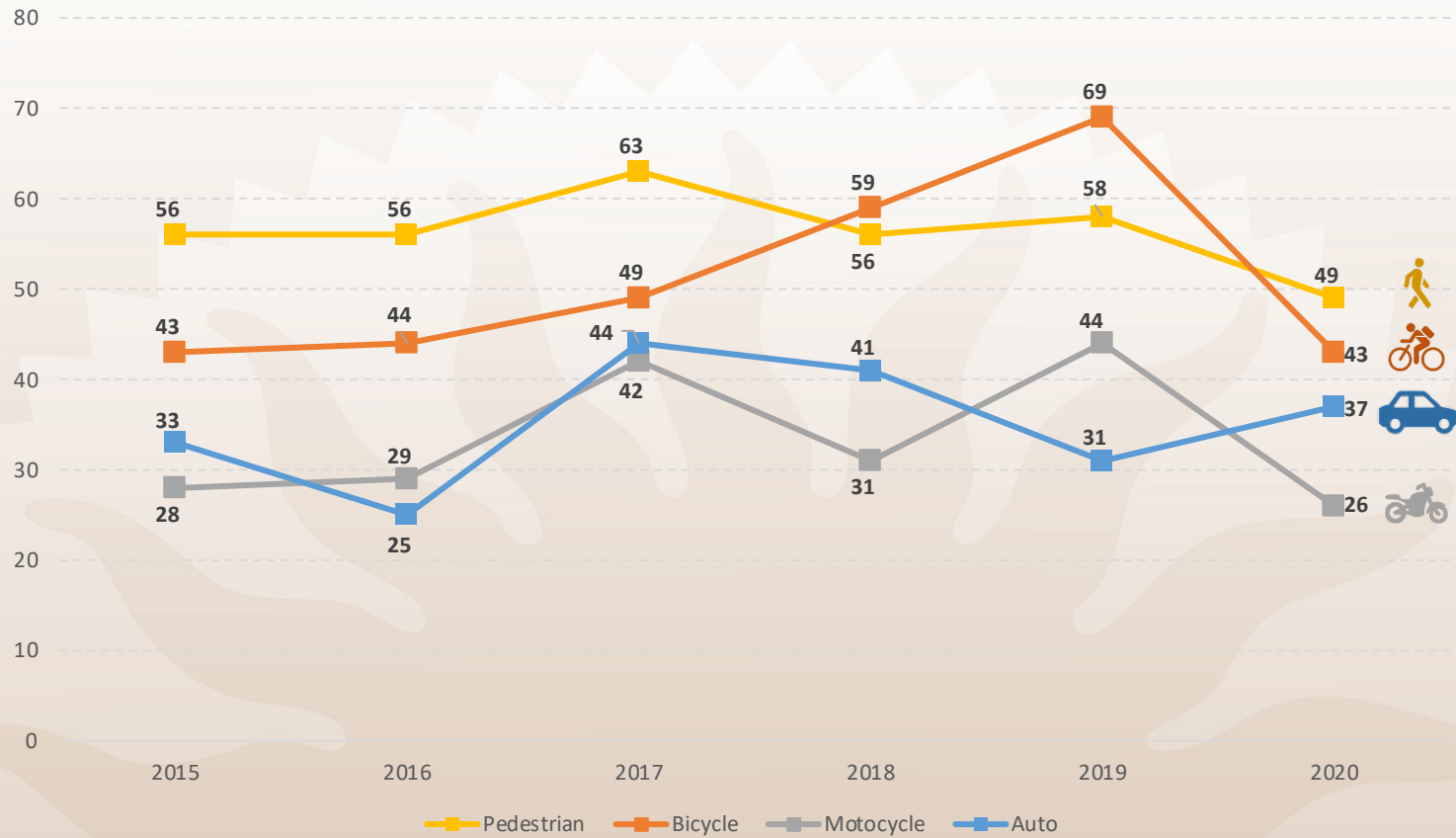
# Traffic Fatalities 2016-2020 by Street User Type

Traffic Fatalities by Street User Type (2016-2020)



# Traffic Fatalities Median Age

Traffic Fatality by Median Age of Street User Type

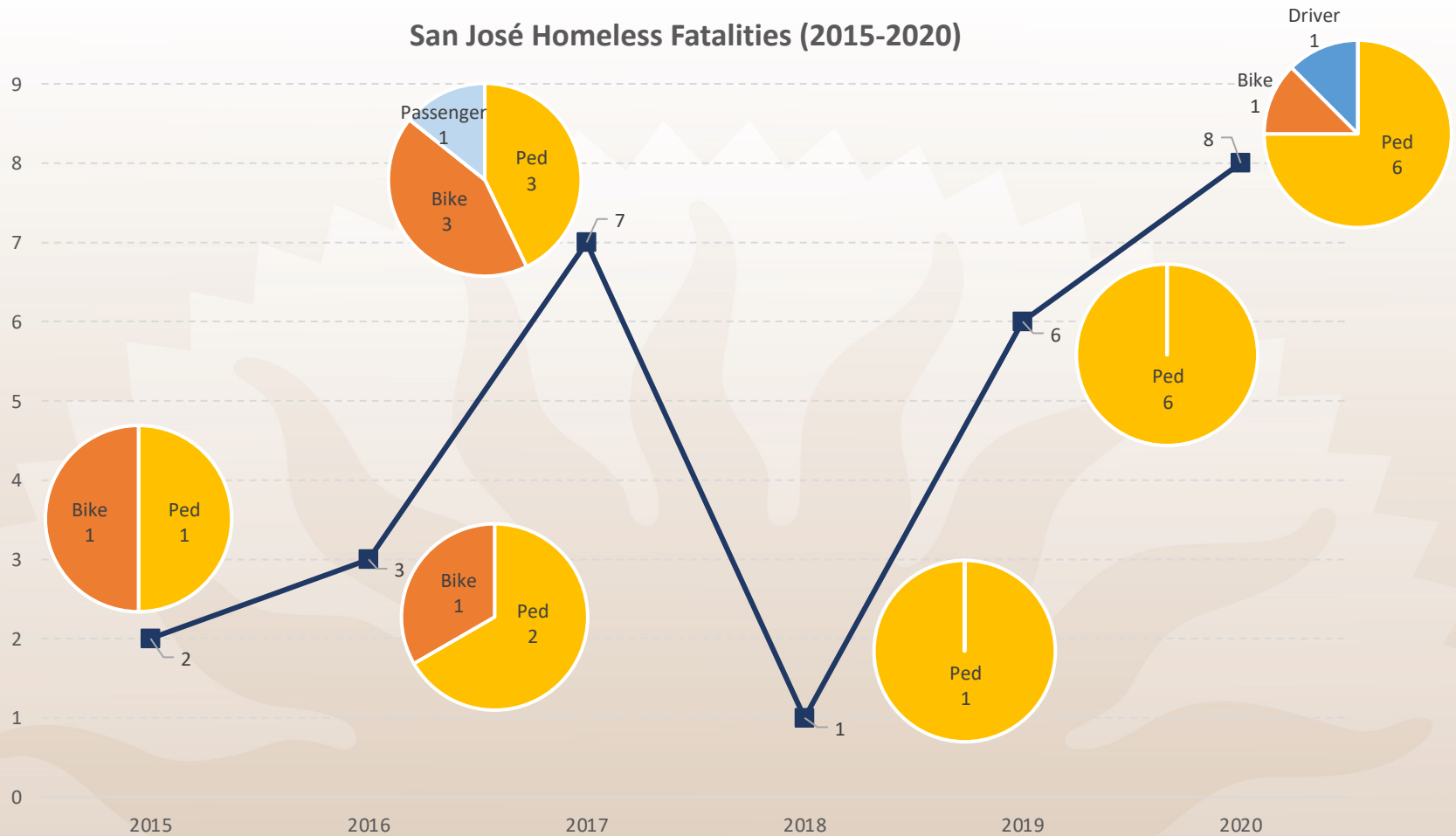




# Homeless Traffic Fatalities

## Trending up; Most are hit while walking

San José Homeless Fatalities (2015-2020)



# New Traffic Fatalities (12/6/20-02/15/21)

## Since Last Task Force Meeting (12/10/20)

Case #	Crash Date	Mode/Deceased	Age	Victim's Gender	Driver's Gender	Collision Factor	Closest Intersection	VZ Corridor	District
44	12/18/2020	Driver	31	Male	Male	DUI	Lincoln Av and Savaker St	No	6
45	12/23/2020	Bicycle	64	Male	Unknown	Wrong Way	Monterey Road and Plum Av	No	2
46	12/26/2020	Pedestrian	42	Male	Unknown	Pedestrian Outside Crosswalk	Story Rd and Remillard Ct	Yes	7
47*	12/30/2020	Pedestrian	9	Female	Female	Driver at Fault	3600 Monterey Rd	No	7
48*	12/31/2020	Bicycle	9	Female	Female	Unknown	1353 McQuesten Dr	No	7
Case #	Crash Date	Mode/Deceased	Age	Victim's Gender	Driver's Gender	Collision Factor	Closest Intersection	VZ Corridor	District
1	1/10/2021	Driver	67	Male	Male	Unknown	N of S. White Road and Westboro St	Yes	5
2	1/31/2021	Bicycle	36	Male	Unknown	Driver at Fault/Wrong Way	1st and Reed St	Yes	3
3	2/4/2021	Driver	27	Male	Male	Unsafe Turning	Santa Teresa Bl and Chantilly	No	2
4	2/7/2021	Driver	29	Male	Male	Speeding	Jackson Ave, under Highway 680	Yes	5
5	2/15/2021	Driver	80	Male	Male	Speeding	Story Road and Via Ferrari Avenue	Yes	7

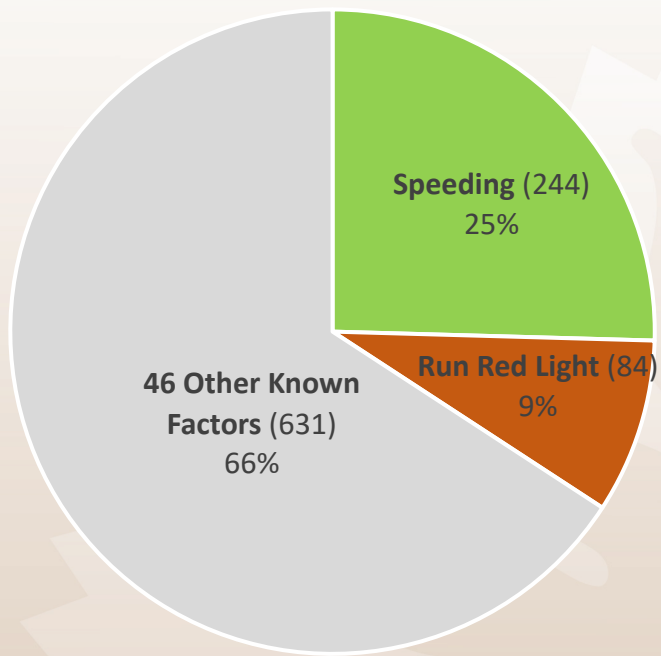
\* private property cases



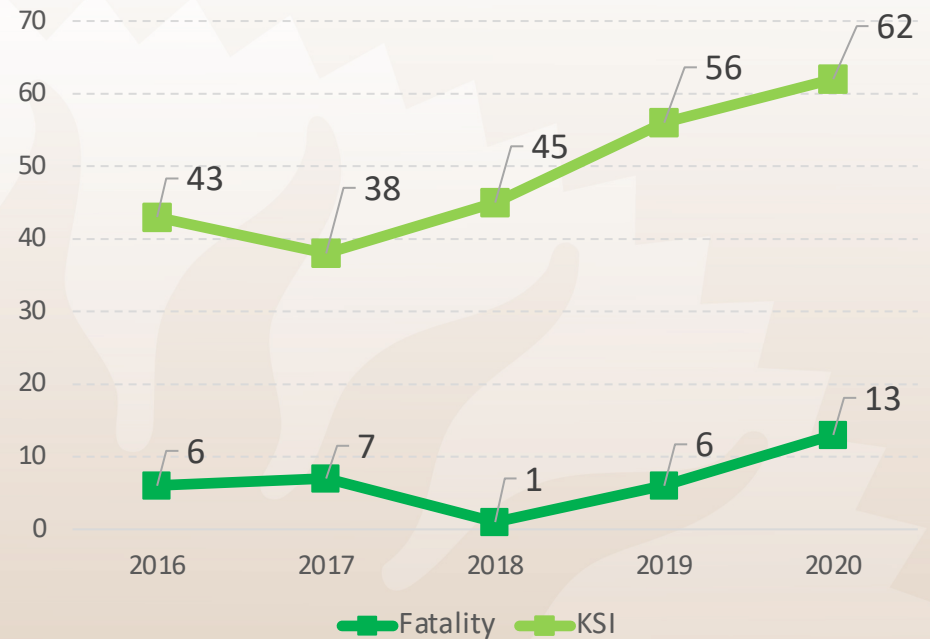
# Vision Zero Task Force

## Speeding, Red Light Running: Top 2 Known KSI Factors

2016 - 2020 Top Known KSI Factors



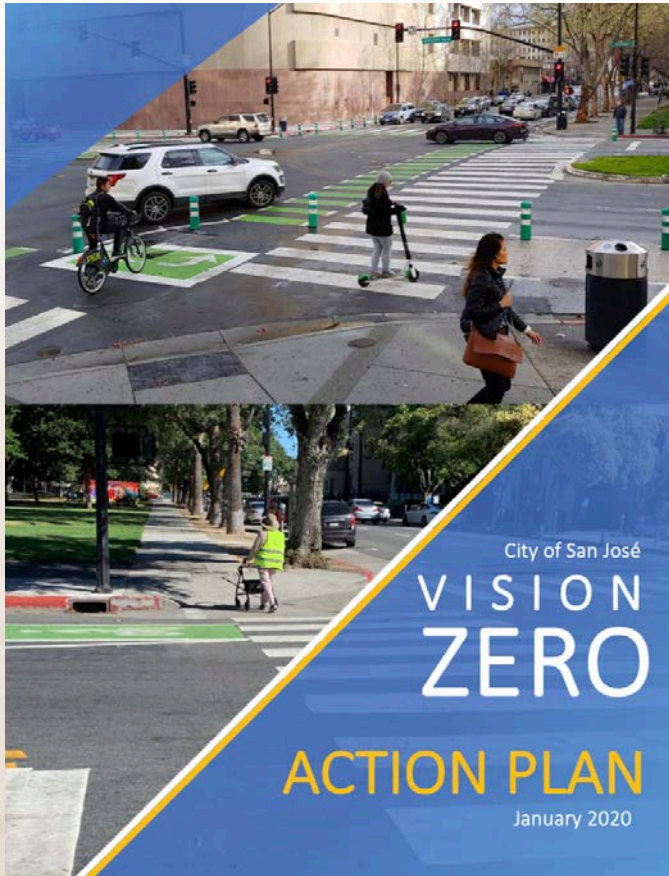
Speeding As Primary Factor for Fatality and KSI



- Speeding is the primary factor in almost 3 times as many KSI as Red Light Running
- In 2020, traffic fatalities caused by Speeding more than doubled from 2019

# Vision Zero Task Force

## 2. Reports and Updates: B. Action Plan Update



1. **Build Robust Data Analytics Tools**
2. **Form a Vision Zero Task Force**
3. **Strategize Traffic Enforcement**
4. **Increase Community Outreach and Engagement**
5. **Implement Quick Build data-driven safety improvements**
6. **Prioritize resources on high-KSI corridors and districts**

# Vision Zero Task Force

## (1) Build Robust Data Analytics Tools

1. Urban Logiq – Contract Execution in next 6 weeks
2. Verizon Smart Communities - Intersection Safety Analytics



### Preliminary Near Miss Insights from Meridian Ave and W San Carlos St

Almost 50% of near miss events are on south leg

- 60% involve vehicles going northbound
- 83% involve peds outside crosswalk

# Vision Zero Task Force

## (2) Form a Vision Zero Task Force: Dates/Themes

1. Welcome: September 25, 2020
2. Outreach: December 10, 2020
- 3. Data: March 5, 2021**
4. Outreach: June 4, 2021

# Vision Zero Task Force

## (3) Strategize Traffic Enforcement – Sgt. Connolly

### Enforcement Activity Update

	Q1 (1/1 – 3/31/20)	Q2 (4/1 – 6/30/20)	Q3 (7/1– 9/30/20)	Q4 (10/1– 12/31/20)
<b>Citations</b>	2,394	251	414	843
<b>Warnings</b>	476	2,101	476	896
<b>TOTAL</b>	2,870	2,352	890	1,739
Compared to Last Year	Q1 (1/1– 3/31/19)	Q2 (4/1– 6/30/19)	Q3 (7/1– 9/30/19)	Q4 (10/1– 12/31/19)
<b>Citations</b>	2,189	3,223	1,871	3,308
<b>2020 vs 2019</b>	▲ 681	▼ 871	▼ 981	▼ 1,569

\*Note: Feb/March 2020: SJPD began using warnings instead of citations in order to comply with county protocol/departement restrictions

### Project Updates

- Upcoming e-cite acquisition/RFP
- Top 2 Known KSI reporting (Speeding, Red Light Running)

## (4) Increase Community Outreach and Engagement

**Vision Zero Strategic Communications RFP update**

**Regional and County Vision Zero Working Groups (NEW)**

- **The Bay Area Metropolitan Transportation Commission (MTC)**
- **Santa Clara County's Traffic Safe Communities Network (TSCN) Steering Committee Working Group on Vision Zero**



# Vision Zero Task Force

## (4) Increase Community Outreach and Engagement Speeding and Pedestrian Awareness Campaigns



- 49 Locations Deployed on VZ Corridors (including County's)
- SJPD on Traffic Enforcement: 155 citations

# Vision Zero Task Force

## (5) Quick Build Data-Driven Safety Improvements

**SENER ROAD**  
**Safety Improvements Project**  
[www.movesanjosel.org/senter-road-project-information/](http://www.movesanjosel.org/senter-road-project-information/)  
 Starting October 2020



**Improving Safety for All Roadway Users**  
 Mejora de la seguridad para todos los usuarios de carreteras  
 Cải thiện sự an toàn cho mọi người

Senter Road is identified in San Jose's Vision Zero Action Plan as one of the city's 15 streets with a high frequency of fatal and severe injury traffic crashes. This project will redesign the street to improve safety for people who walk, bike, and drive.



For more information, contact **Anne Le** (408) 535-7985  
 Để biết thêm thông tin, liên hệ **Anne Le** (408) 535-7985  
 Para más información, contacte **Mike Medina** (408) 535-4997





### Corridor Projects:

- **Senter** (Spring 2021)
- **Fruitdale** (Spring 2021)
- **Story** (Winter 2021)
- **Hillsdale** (Winter 2021)
- **Branham** (2021/2022)

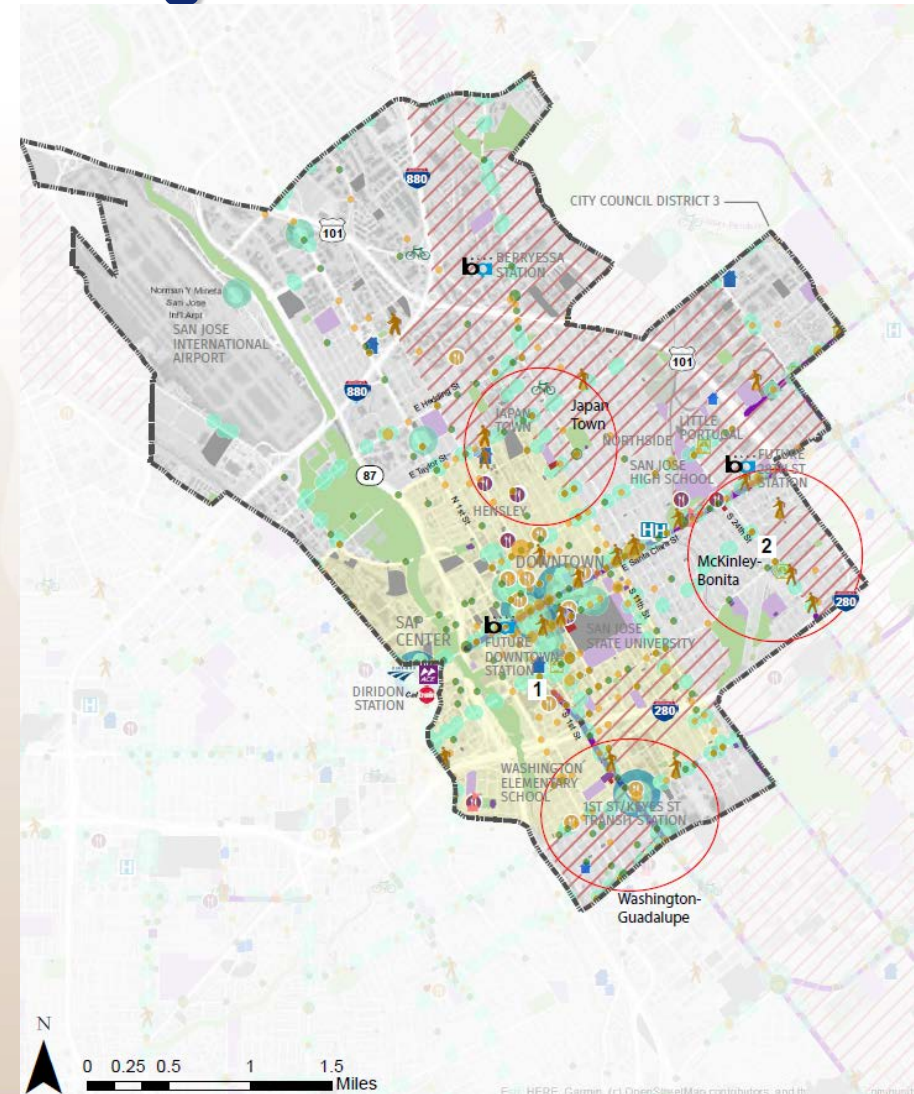
# Vision Zero Task Force

## (6) Prioritize Resources on High-KSI Corridors and Districts

Submitted applications to Caltrans Sustainable Transportation Planning Grant for Walk Safe San Jose (Districts 3, 5, 6, 7) and King Road (3, 5, 7, 8)

### Citywide Collision Review

- Process for identifying top project locations
- Holistic review and safety enhancements



# Vision Zero Task Force

## 3. Task Force Member Discussion

### Questions for:

- **San José Department of Transportation**
- **San José Police Department**

## 4. Meeting Theme: Data

- **San José Police Department, Traffic Enforcement Unit:  
Sgt. Greg Connolly**
- **Santa Clara County Medical Examiner-Coroner:  
Dr. Michelle Jordan, Director**
- **Santa Clara County Emergency Medical Services Agency:  
Falko Schoeneweiss, Nurse Coordinator**

# San José Police Department



**Sgt. Greg Connolly**

**Traffic Enforcement Unit**

# San José Police Department

## Traffic Enforcement Unit

9:45-10:30

### **Patrol Division (Staff: 80 shift/day): Crashes and Injuries (CHP 555)**

- **When crashes and injuries occur, PD collects crash information, injury information, and investigate location and scene of incident**
- **PD sends completed forms to State (SWITRS) and DOT**
- **DOT analyzes data, maps data**

### **Traffic Enforcement Unit (Staff: 11): Citations/Warnings/"Special Events"**

- **Where, When, What time of citation/warning is the focus**
- **SJPD tracks enforcement activity internally**
- **Area of increasing coordination under Vision Zero**
  - **Look Out When It's Dark Out – e.g., boards on VZ corridors**

**SJPD enforcement area is San Jose, including County Expressways, but excluding VTA facilities and some County pockets (where CHP and the County Sheriff cover)**

## Crashes and Injuries:

- PD reports fatality information and sends CHP 555 reports to DOT
- PD/DOT analyzes and maps crash and injury data
- Tools: PowerBI Crash and Injury map ([visionzerosj.org](http://visionzerosj.org)), Urban Logiq Data Dashboard (forthcoming)

## Enforcement Activity:

- Work with PD on trends over time and place
- Focus enforcement: e.g., VZ corridors, Daylight Savings Time, ...
- Top 2 known factors contributing to KSI: Speeding, Red Light Running



# Medical Examiner-Coroner



**Dr. Michelle Jordan**

**Chief Medical Examiner-Coroner**

# Homeless Deaths in Santa Clara County, CA

## A Retrospective Study

### 2011-2016, updates for 2017-2020



**Michelle A. Jordan, MD, Chief Medical Examiner-Coroner**  
**Karin Wells, BA, Student Intern for the Chief Medical Examiner**  
**Santa Clara County Medical Examiner-Coroner's Office**

# Method and Project Outline

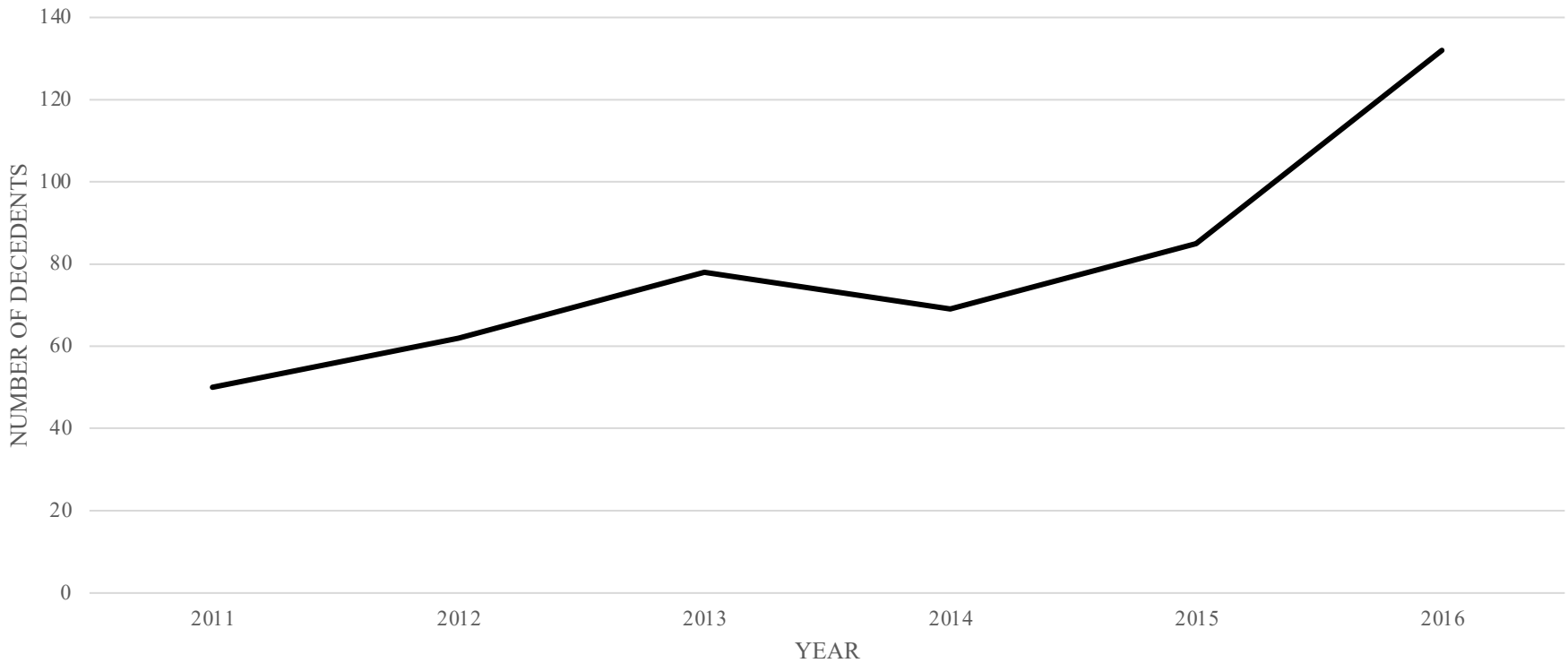
- 2011 through 2016 data was analyzed for
  - Demographics
  - Cause and manner of death
  - Location of death
  - Medical history
  - Drug use
  - Veteran status
  - Motor vehicle related deaths
- Each case file was reviewed, number of deaths verified, and variables analyzed by the Chief Medical Examiner Michelle A. Jordan, MD, Chief Investigator Rosa Vega, and student intern Karin Wells

# Homelessness

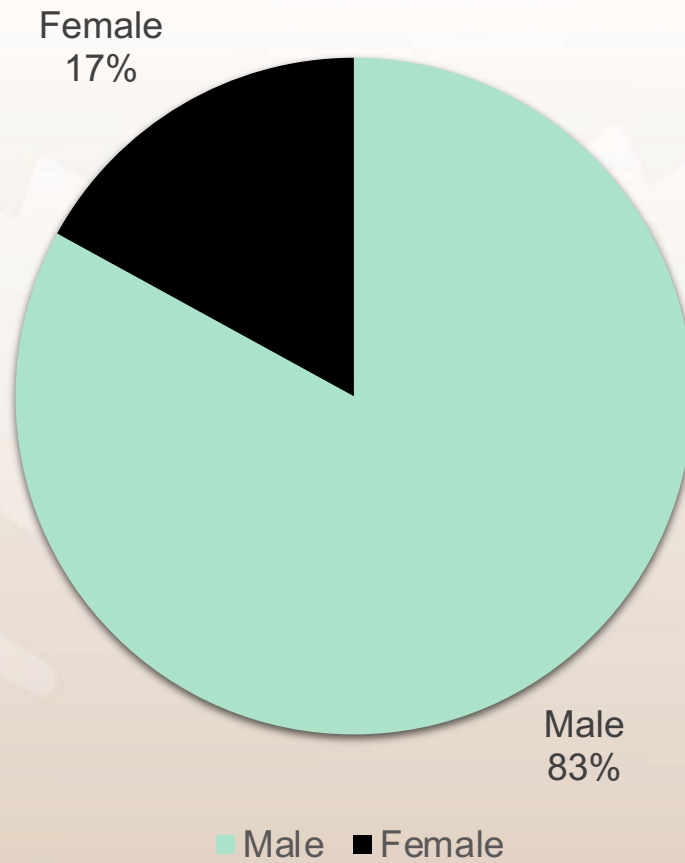
- The Medical Examiner-Coroner's Office determines homelessness if the circumstances of the death occurred in an environment to suggest homelessness (e.g. homeless encampment) or the decedent was known to be homeless **and/or** public record searches do not identify a valid living address

# Total Homeless Deaths (2011-2016)

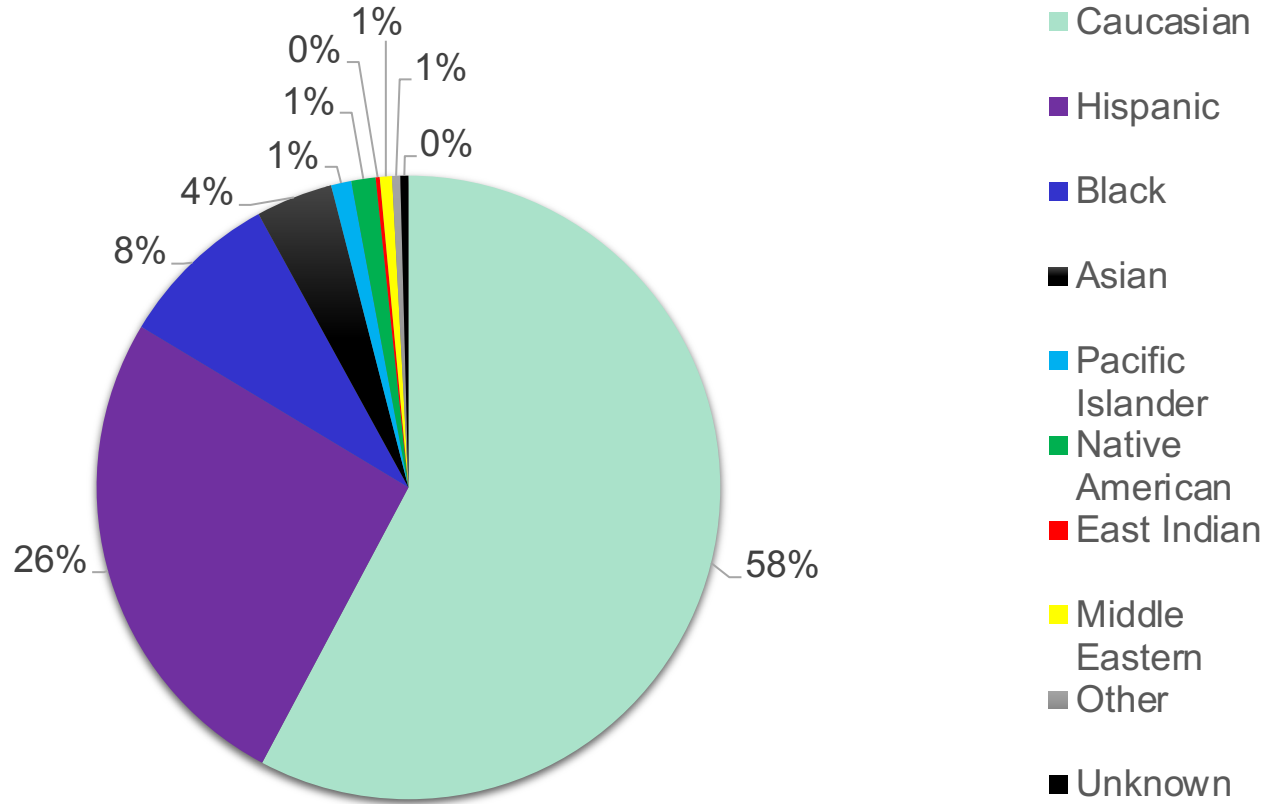
HOMELESS DEATHS IN SANTA CLARA COUNTY  
2011-2016



# Demographics: Sex



# Demographics: Ethnicity



# Demographics: Age

Year	Average Age (in years)
2011	53
2012	47, 55, 57
2013	46, 49, 52
2014	58
2015	53
2016	62

- There were two fetal demises during the six-year period

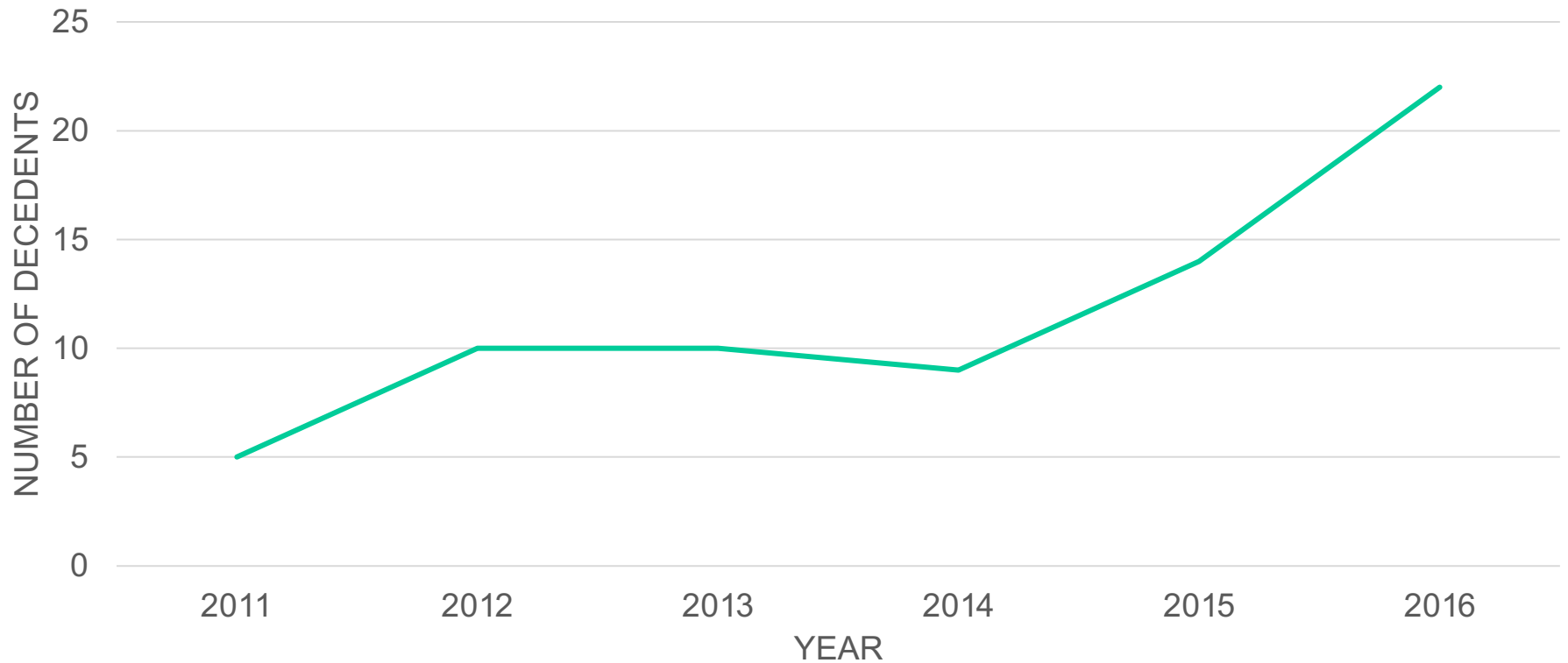


# Location of Death

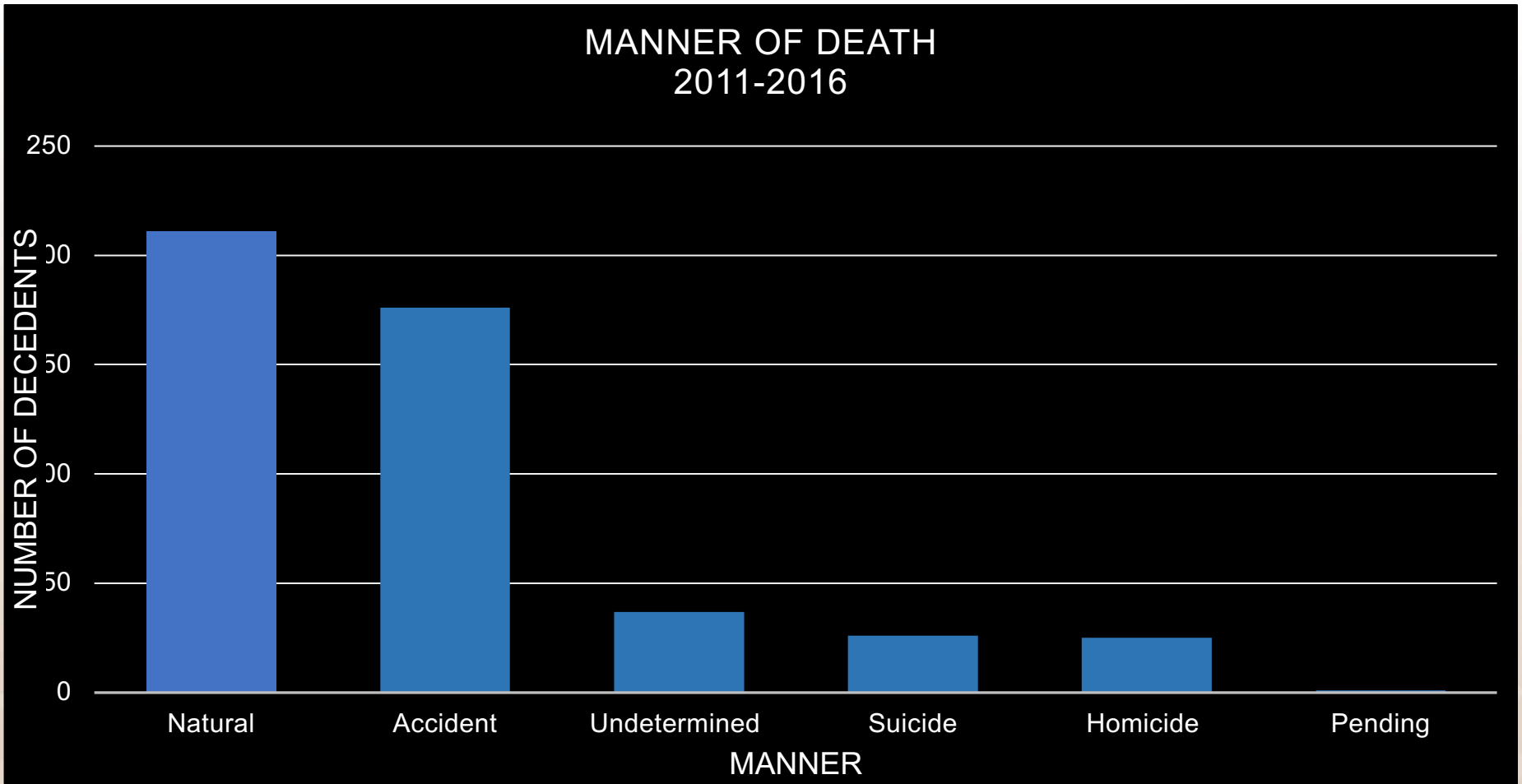


# The Aging Homeless Population

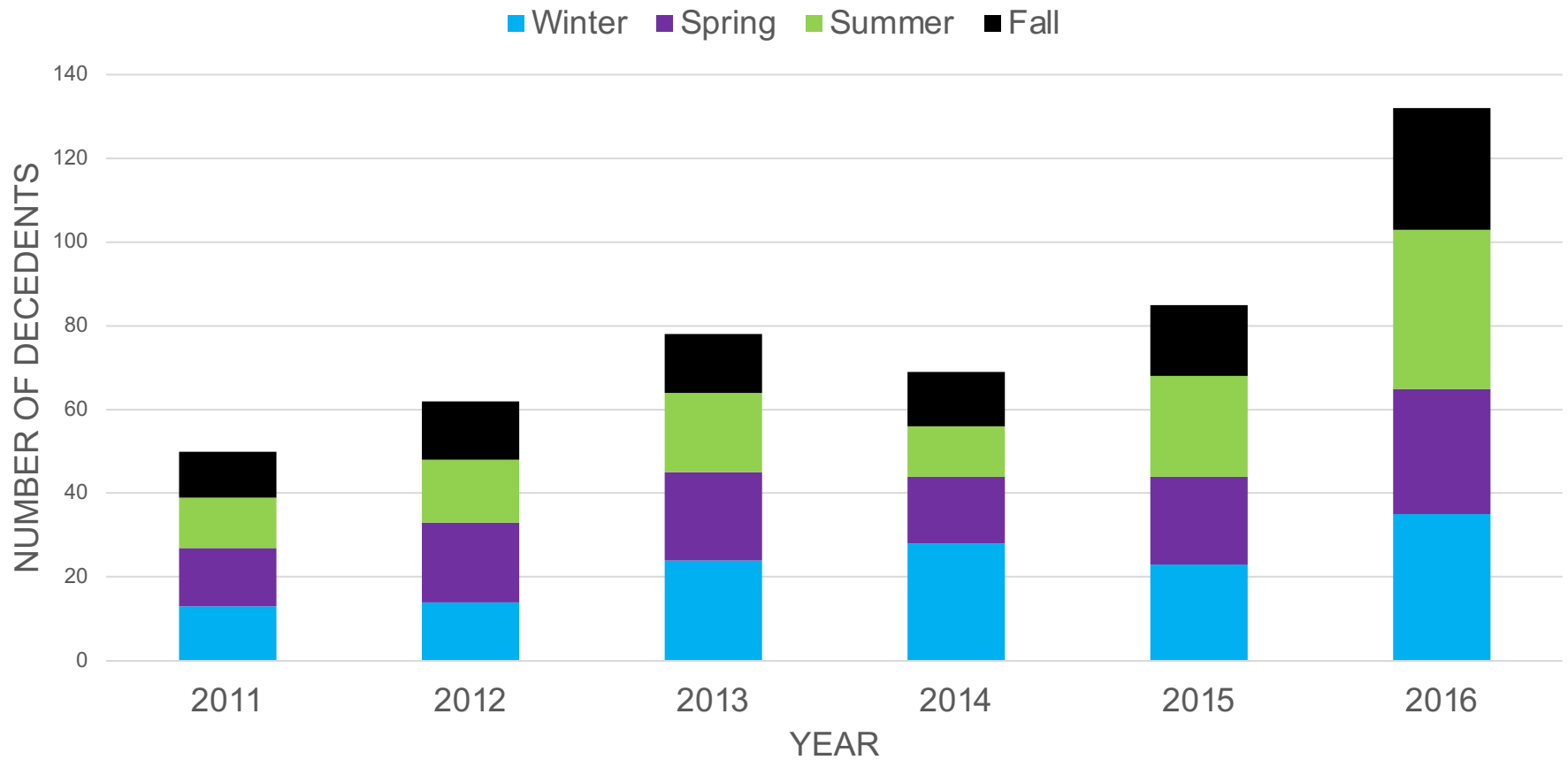
DECEDENTS 65 AND OVER  
2011-2016



# Manner of Death

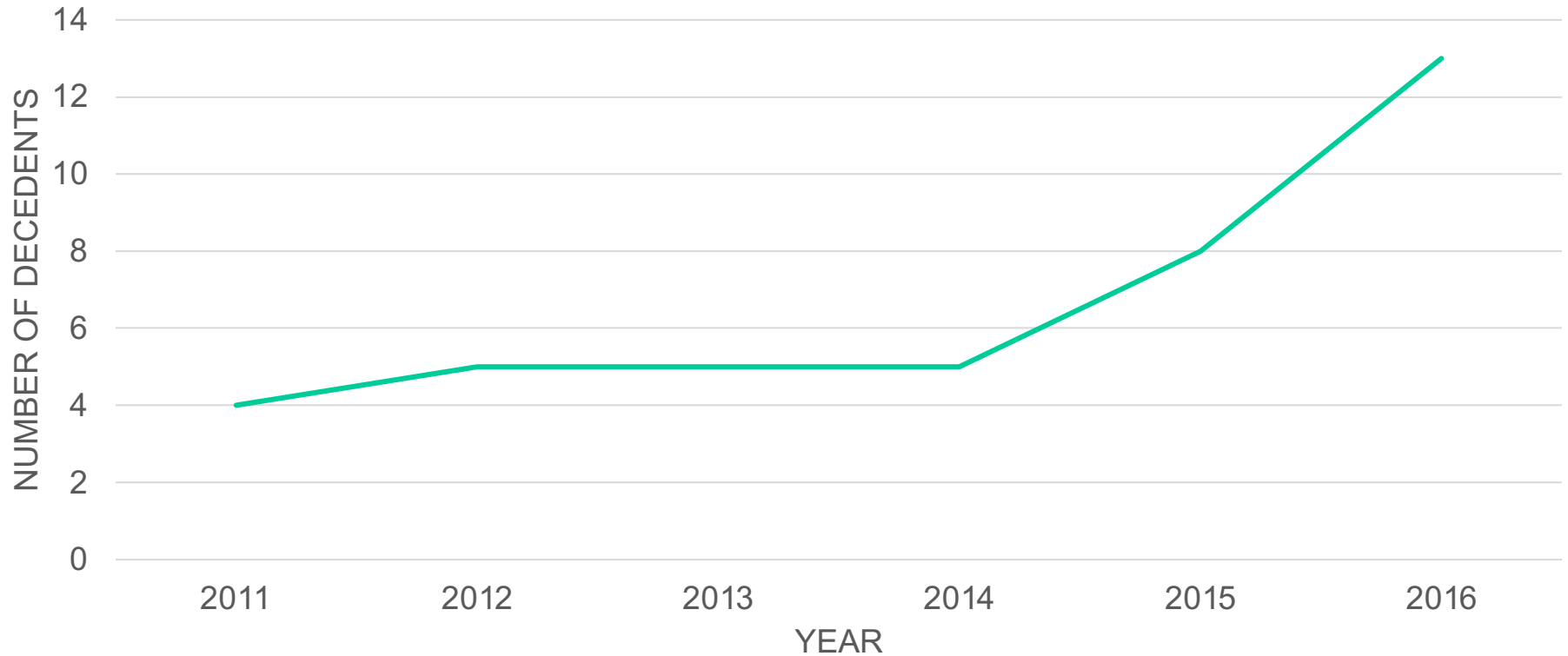


# Total Deaths per Season



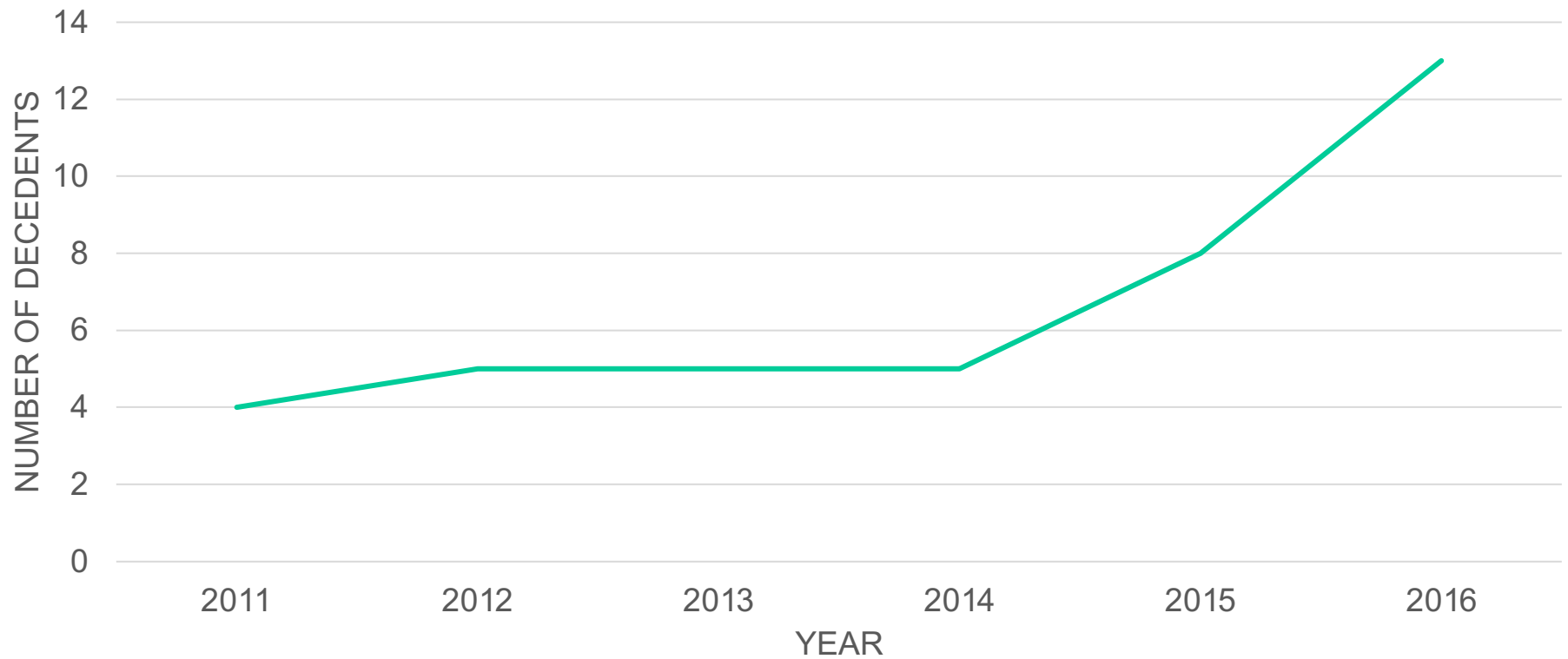
# Causes of Death: Vehicle Accidents

VEHICLE ACCIDENTS AS CAUSE OF DEATH  
2011-2016

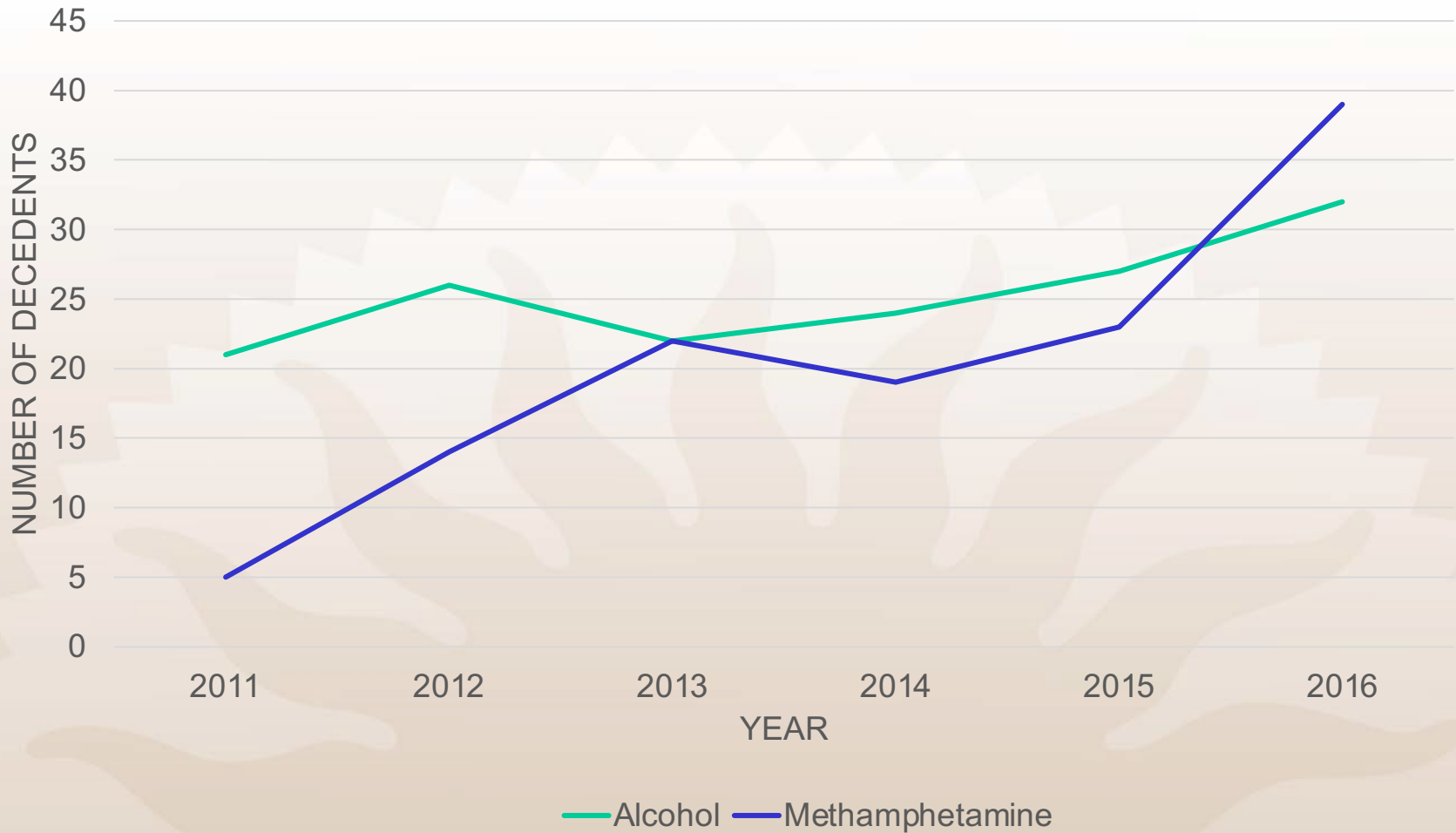


# Causes of Death: Drugs and Alcohol

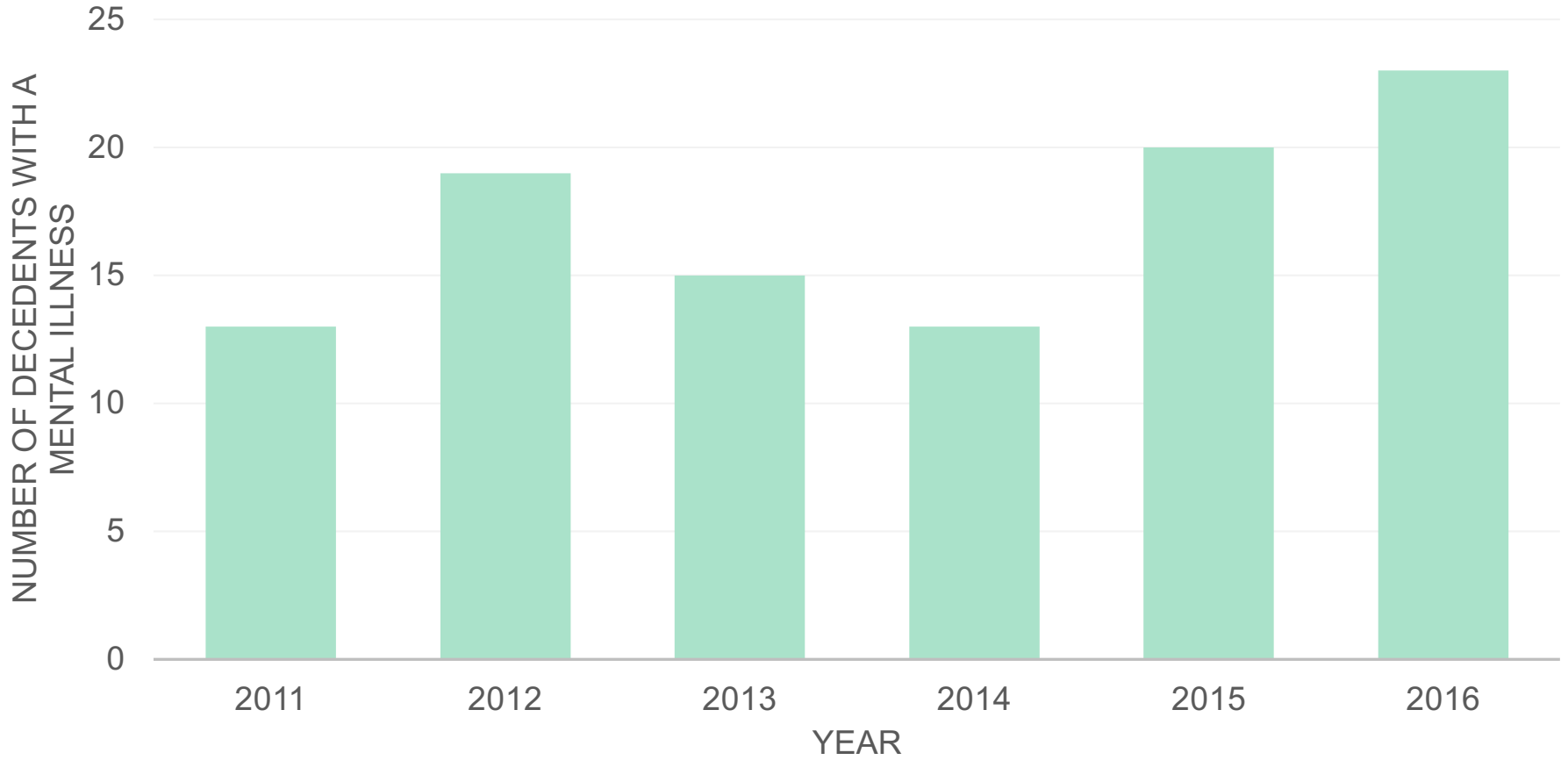
VEHICLE ACCIDENTS AS CAUSE OF DEATH  
2011-2016



# Presence of Methamphetamine and Alcohol

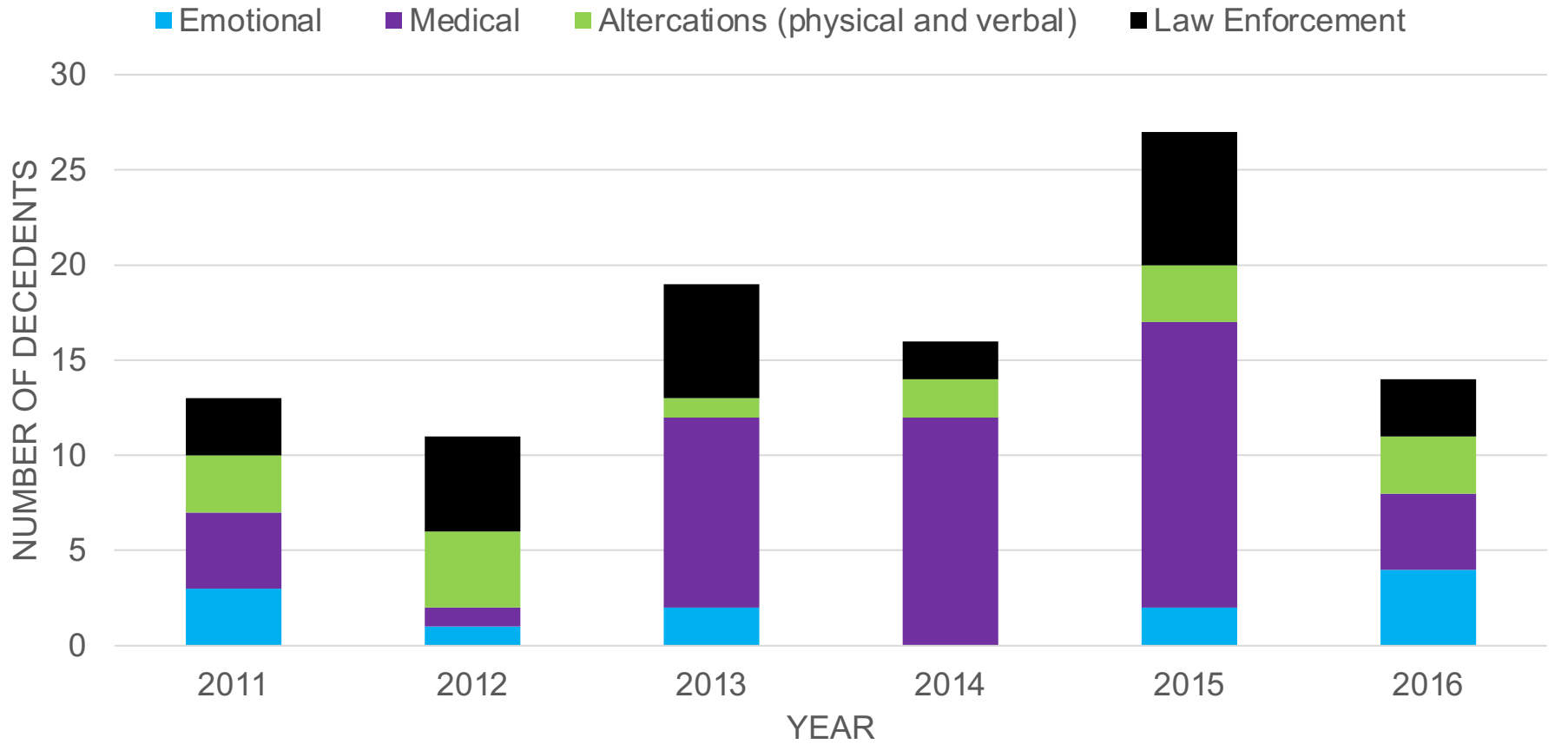


# Mental Illness





# Stressors Prior to Death



# Highlights

- Homeless deaths in Santa Clara County increased 164% over the six-year period. Between 2011 and 2016, the homeless population rose, with the greatest number of deaths occurring in 2016.
- Males and Caucasians were the most predominantly represented.
- Alcohol and methamphetamine were the most commonly abused drugs. Heroin deaths are being monitored given the opioid epidemic.
- The number of deaths of individuals 65 years and older has risen and is expected to rise given the aging baby boomer population.
- A significant percentage of the homeless are continuing to die in homeless encampments and on the streets.

# Recommendations

- Access to consistent medical and mental health care services, as well as drug and alcohol services and employment resources are underscored.
- Ensuring that the homeless population has consistent access to drug and alcohol intervention services is warranted.
- The distribution and use of Narcan (naloxone) should be considered in this population to prevent overdoses.
- Preventive healthcare in the form of vaccines (pneumonia/shingles), as well as treating chronic medical conditions such as hypertension and diabetes is underscored for the older population.
- We must remember and be sensitive to those with pets, as well as transgender and LGBTQ issues that may affect this population.

# Summary

Year	Number of homeless deaths
2011	50
2012	62
2013	78
2014	69
2015	85
2016	132
2017	136
2018	147
2019	170
2020	206

# Circumstances of Death - Homeless

Manner of death	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Accident	21	25	30	30	27	43	55	68	88	95
Homicide	2	5	5	2	2	10	2	3	6	9
Natural	17	20	33	33	45	63	67 (20)	60 (13)	56 (10)	68 (16)
Suicide	3	2	8	2	3	8	5	5	10	8
Undetermined	7	10	2	2	8	8	7	11	10	8
<b>Total</b>	<b>50</b>	<b>62</b>	<b>78</b>	<b>69</b>	<b>85</b>	<b>132</b>	<b>136</b>	<b>147</b>	<b>170</b>	<b>188 + 18 pending</b> <b>206</b>

# Summary – Manner Types

<u>Category</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>Total deaths</u>
Alcohol Related	7	12	11	7	30
Alcohol-Drug Related	2	2	2	7	11
Bicycle	1	1	-	3	4
Blunt Force	1	3	2	6	11
Drug Related	36	50	58	55	163*
Motor Vehicle	9	10	13	12	35
Pedestrian	-	2	1	9	12
Train	2	1	5	4	10

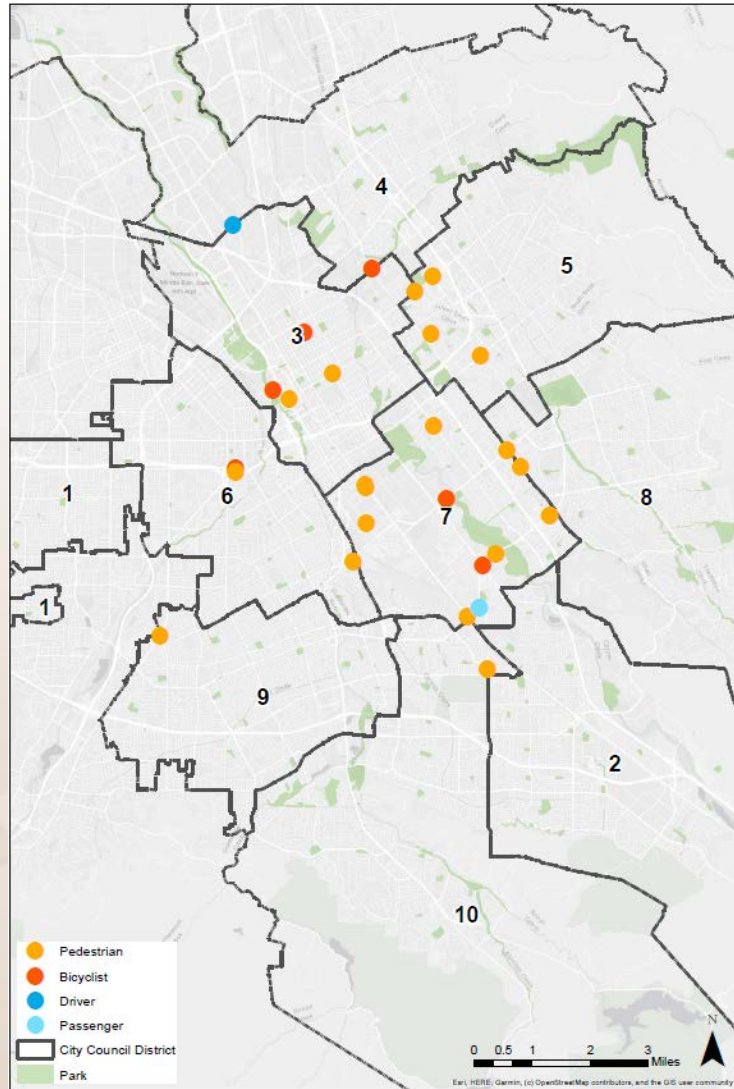
# Acknowledgements

Deputy Public Defender Andrew Gutierrez  
*County of Santa Clara*

Chief Medical Examiner-Coroner Investigator  
Rosa Vega  
*Santa Clara County Medical Examiner-Coroner's Office*



# How VZ Uses MEC Homeless Data



Traffic fatalities involving people experiencing homelessness (2015-2020):

- Mostly people hit while walking
- Most in districts 3, 5, and 7

Applied for a grant in 2020 to create an strategic outreach campaign, but did not receive funding. Interested in continuing to develop this possible idea, and find appropriate funder.



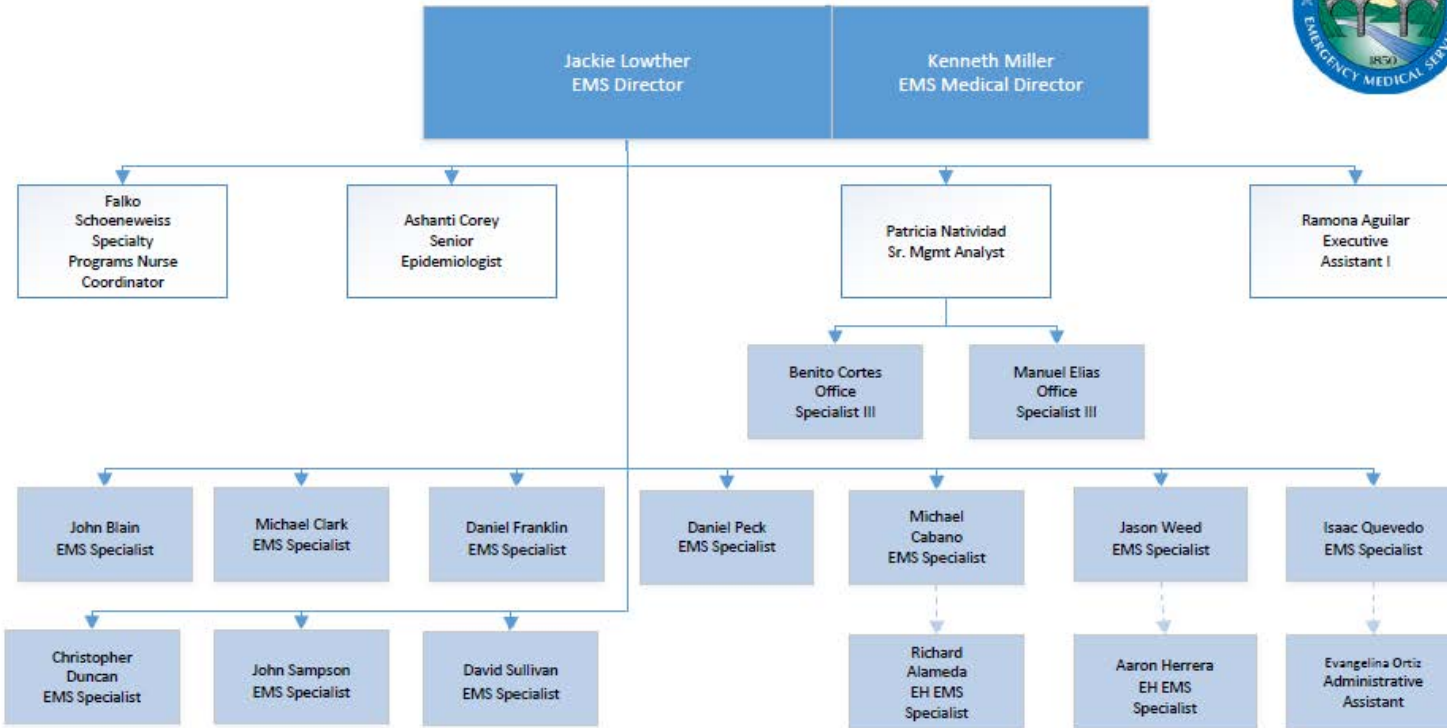
# Emergency Medical Service Agency



**Falko Schoeneweiss**

**Nurse Coordinator-Specialty Programs**

### Emergency Medical Services (EMS) Agency Organizational Chart



May 15, 2020

# Santa Clara County EMS Agency

**Local EMS Authority (LEMSA)**

**3 Trauma Centers**

**1 Burn Center**

**8 STEMI Receiving Centers**

**10 Primary Stroke Centers**

**4 Comprehensive Stroke Centers**

**? Pediatric Receiving Centers**

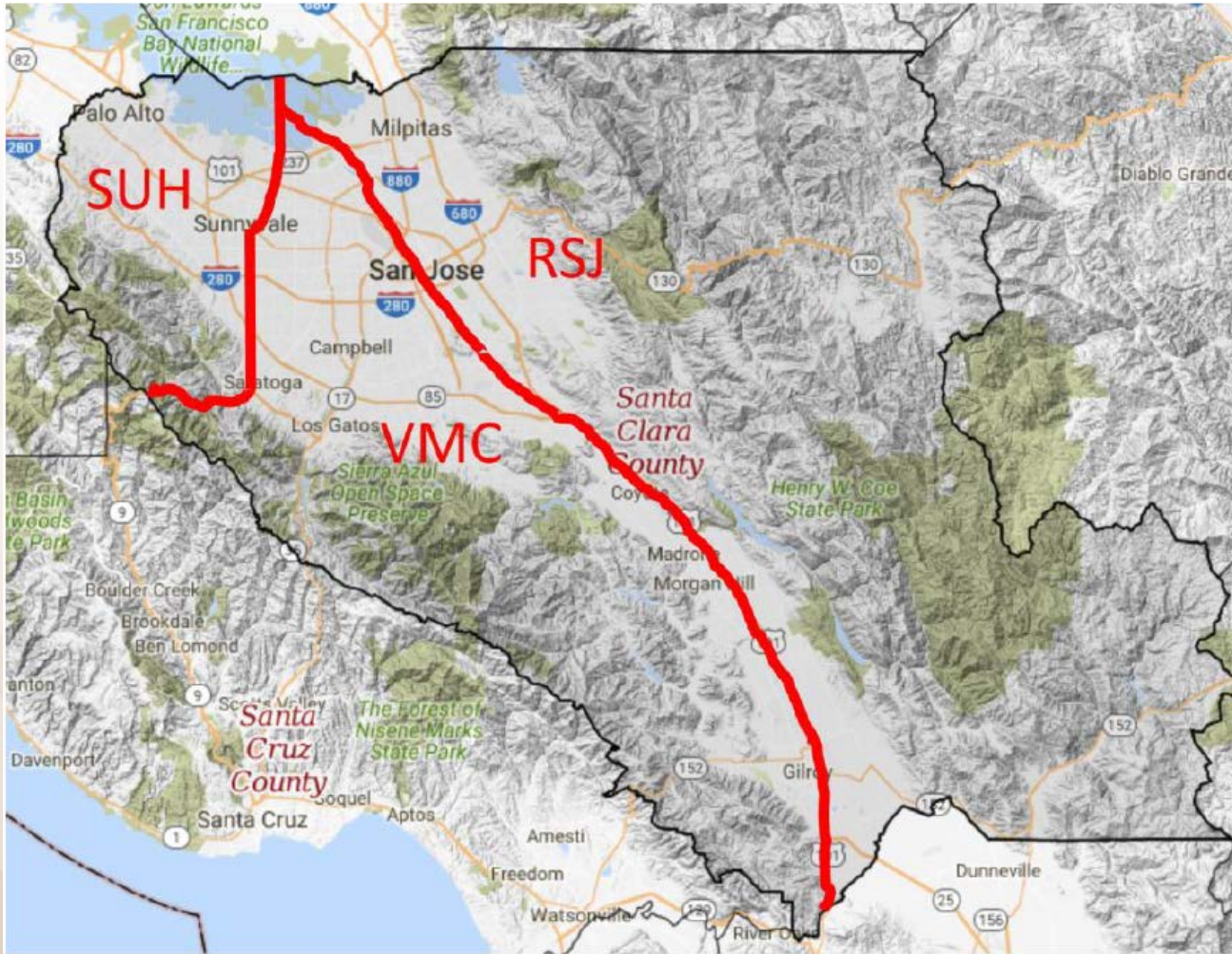
# Data Systems

- Computer Aided Dispatch (CAD)
- Hospital Status (EMResource)
- EMS Patient Care Record (PCR (ImageTrend Elite))
- Trauma Registry (TraumaBase)
- STEMI Registry (ImageTrend)
- Stroke Registry (GWTG/Quintiles)

# Trauma Centers

- Regional Medical Center of San Jose
  - Level II Adult
- Stanford Health Care
  - Level I Adult
  - Level I Pediatric
- Santa Clara Valley Medical Center
  - Level I Adult
  - Level II Pediatric

# Catchment Areas



# Flow of Trauma Data

Injury

# Flow of Trauma Data

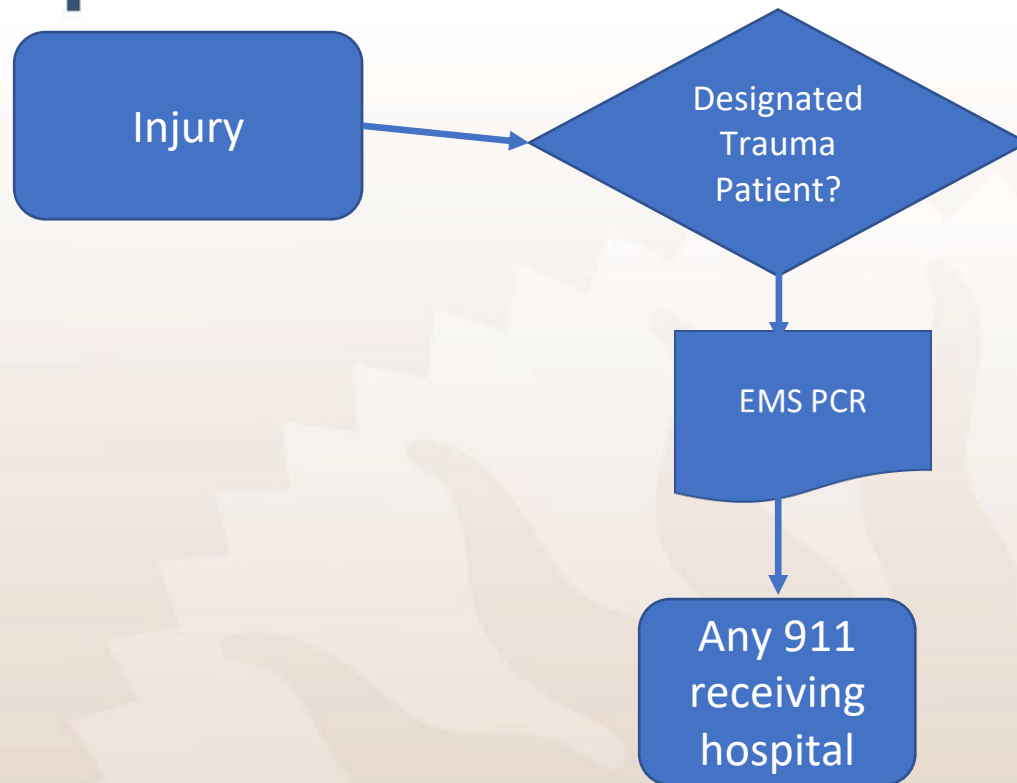
Injury

Designated  
Trauma  
Patient?

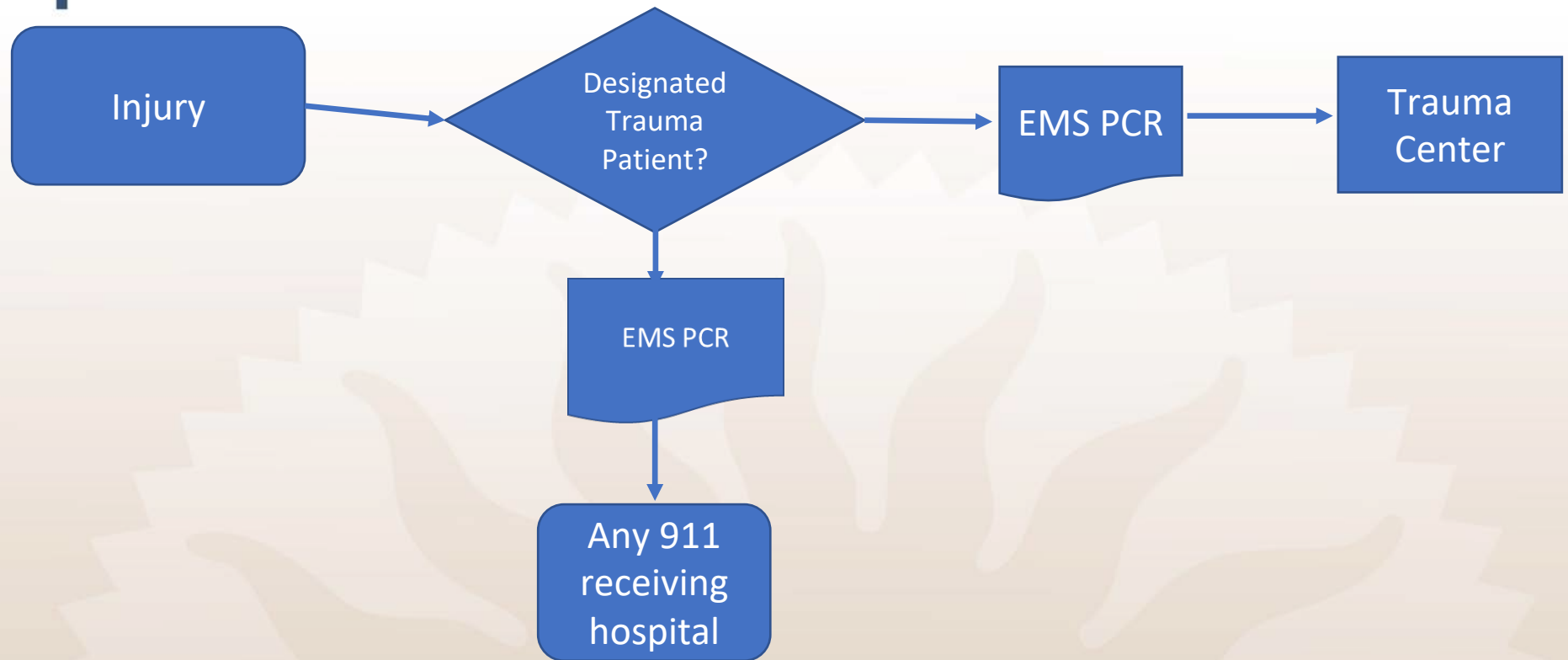




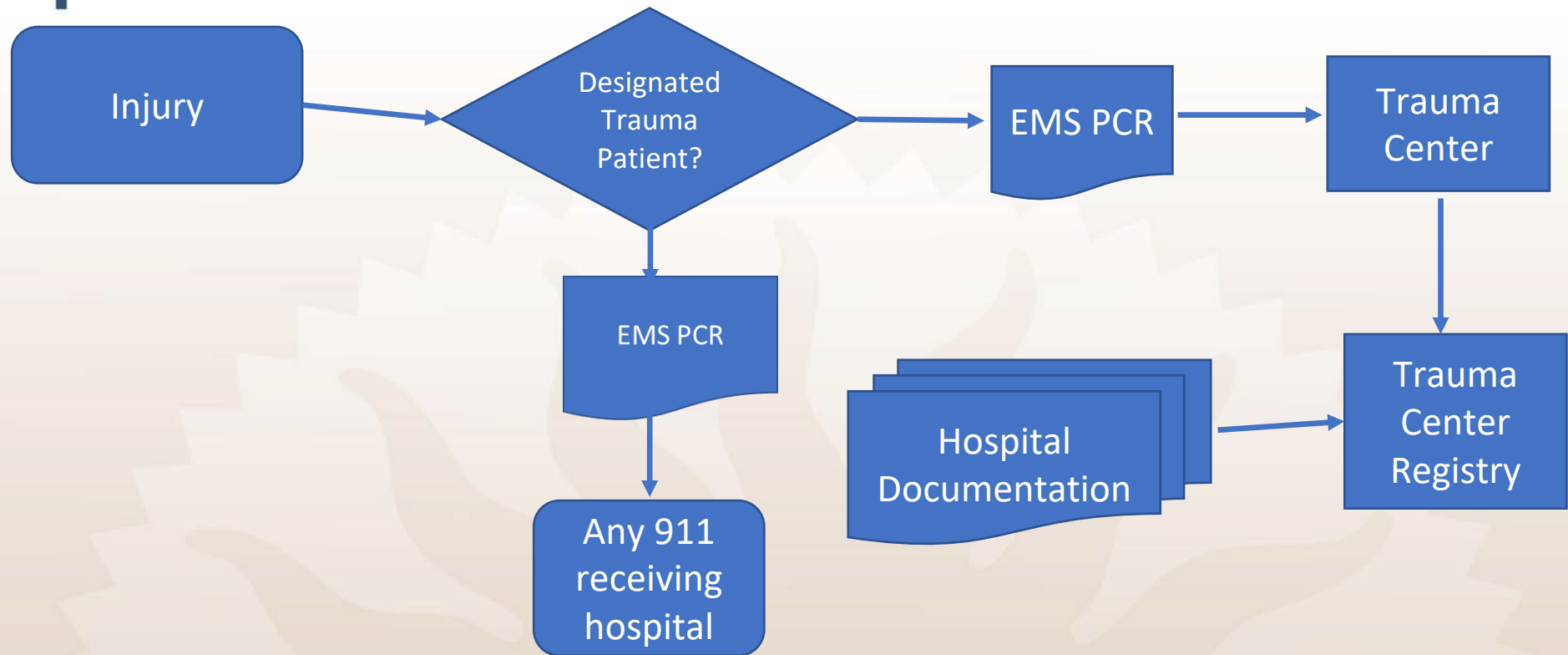
# Flow of Trauma Data



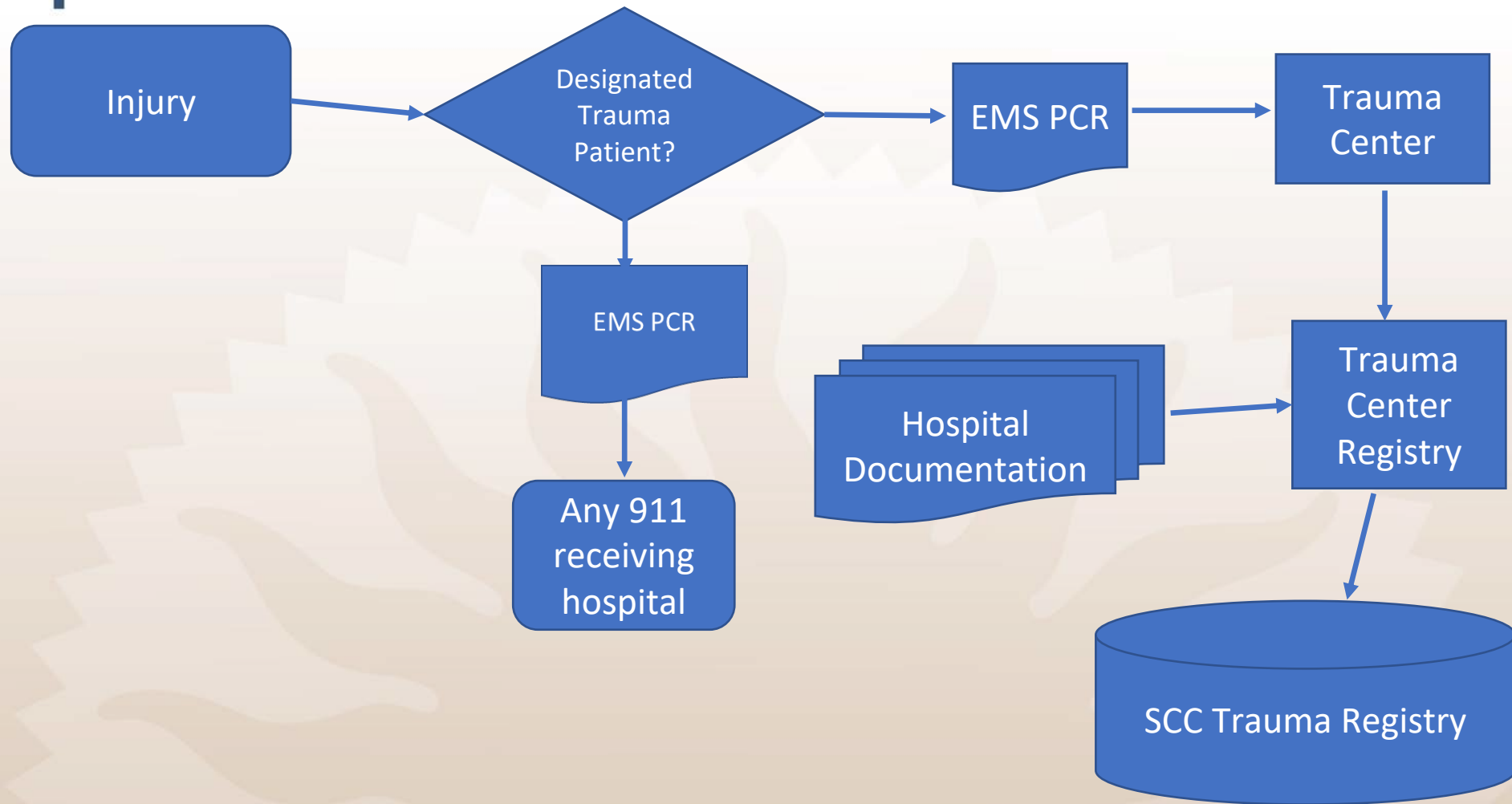
# Flow of Trauma Data



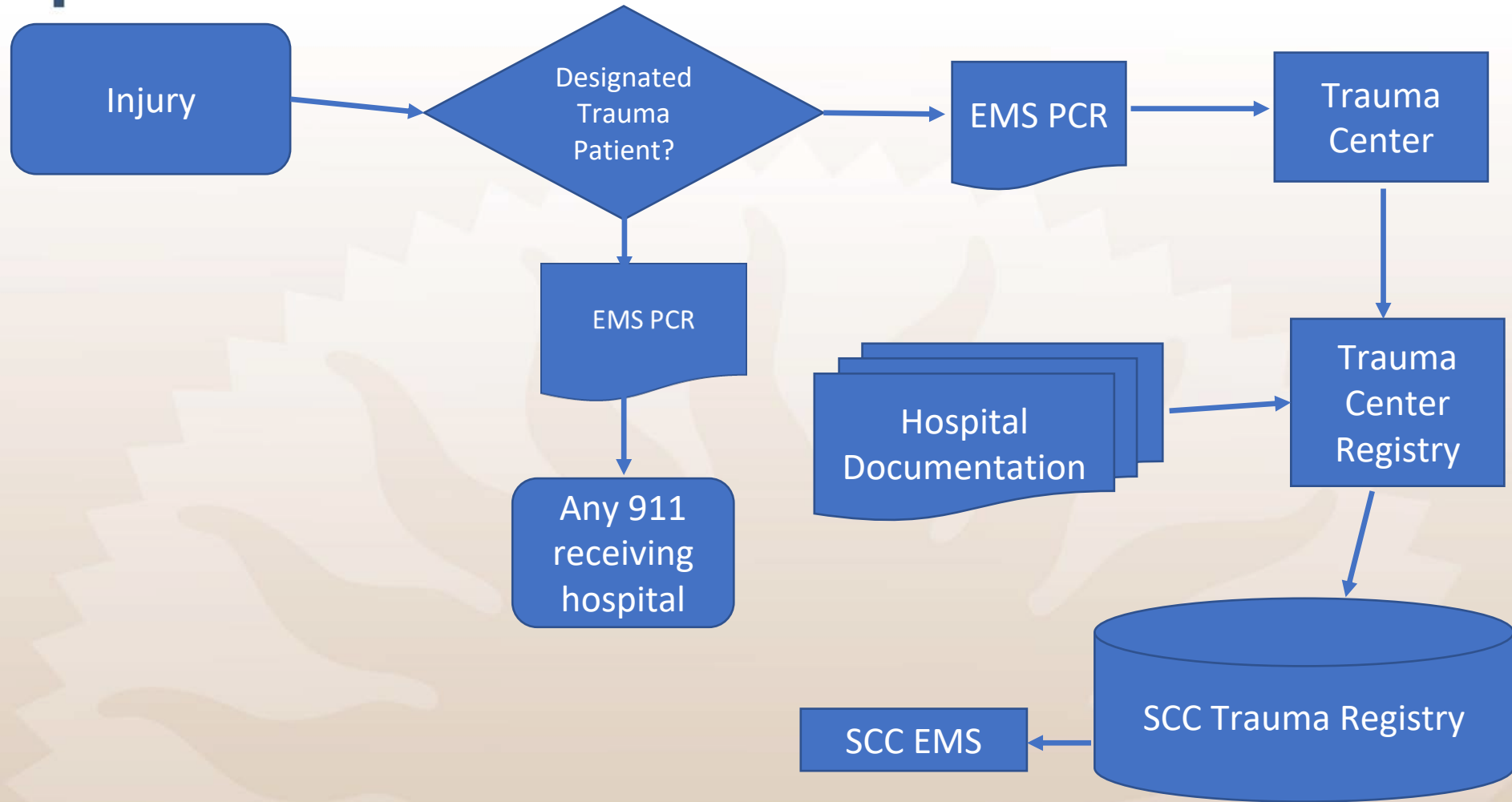
# Flow of Trauma Data



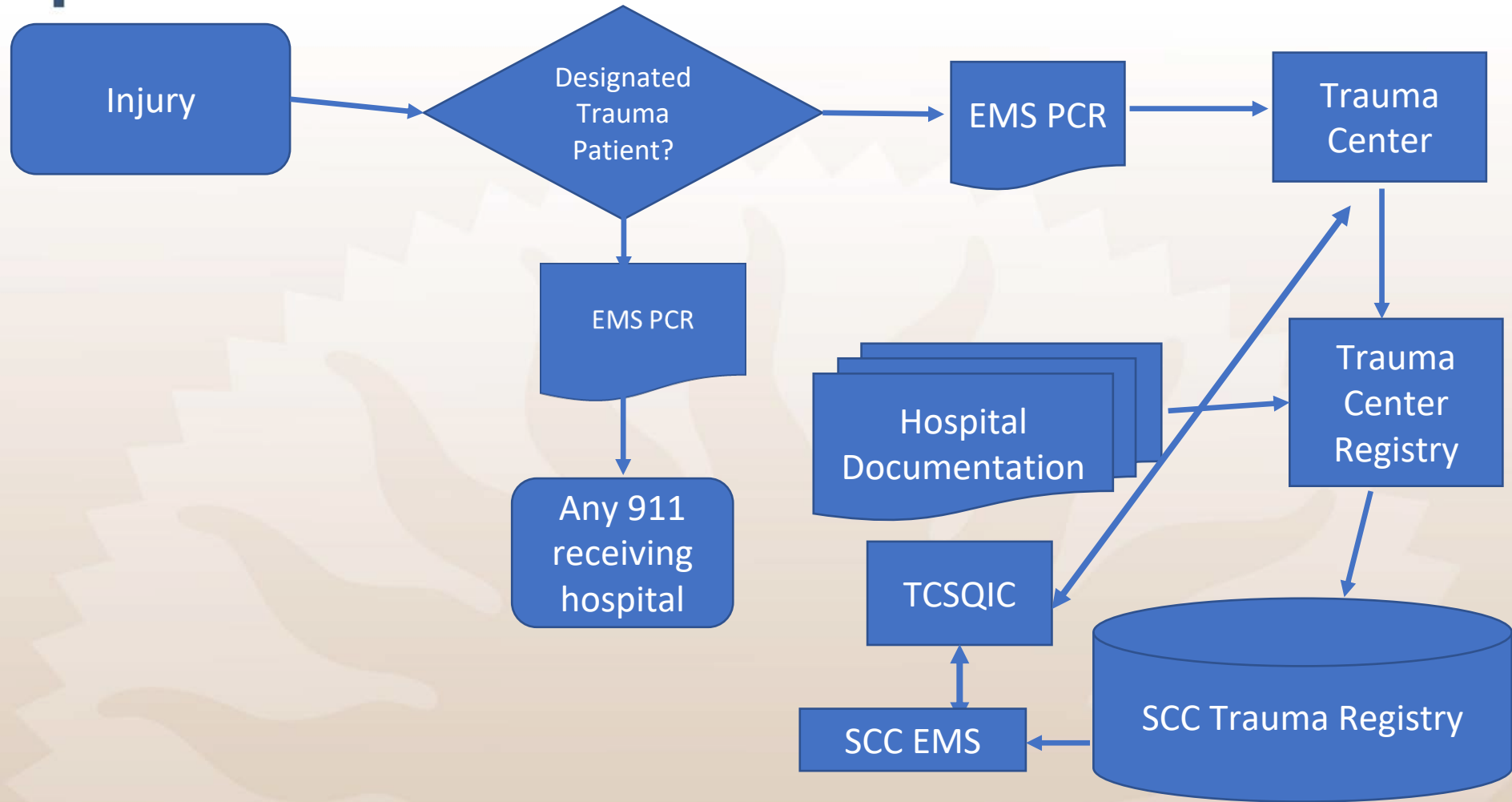
# Flow of Trauma Data



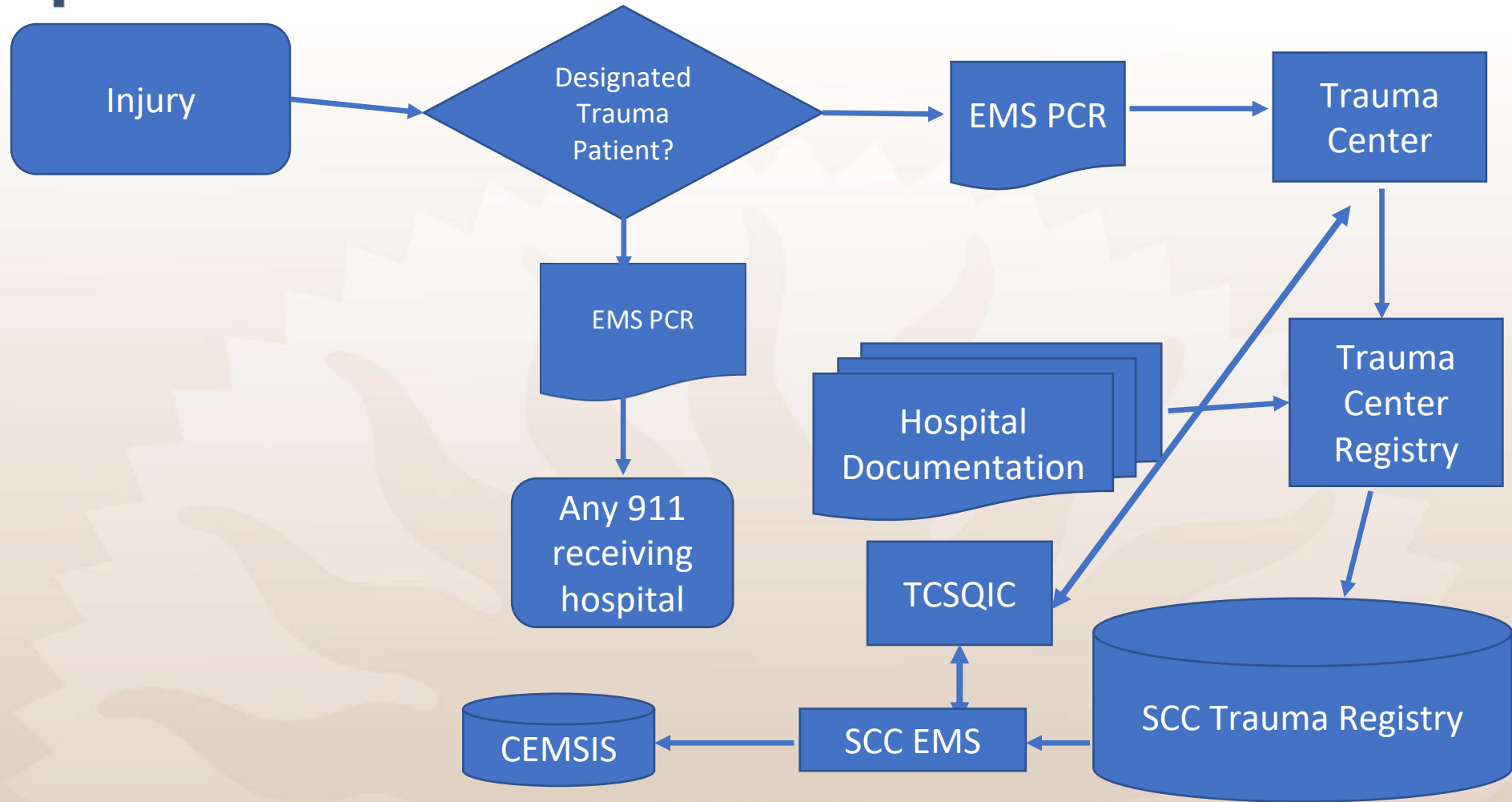
# Flow of Trauma Data



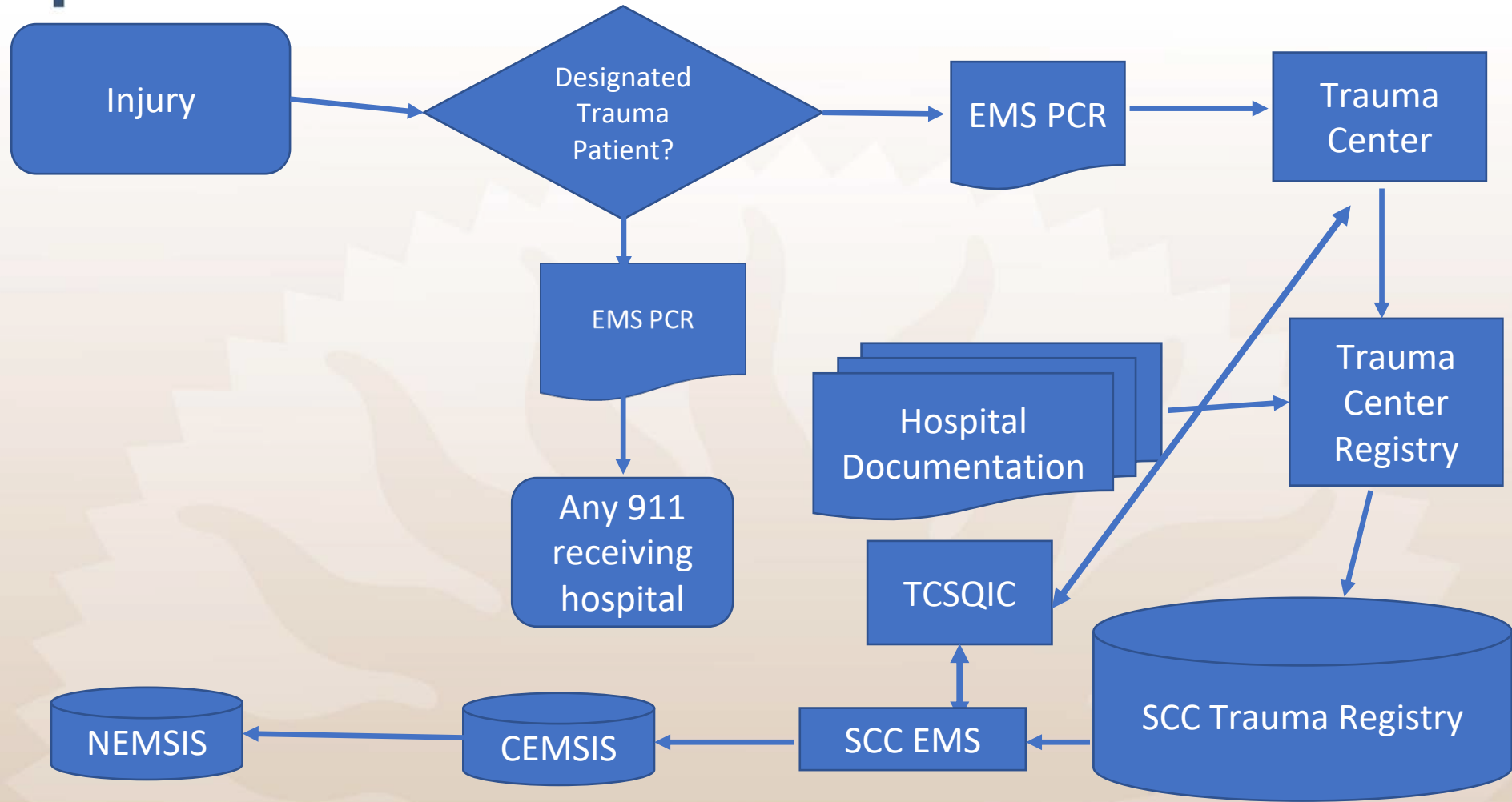
# Flow of Trauma Data



# Flow of Trauma Data

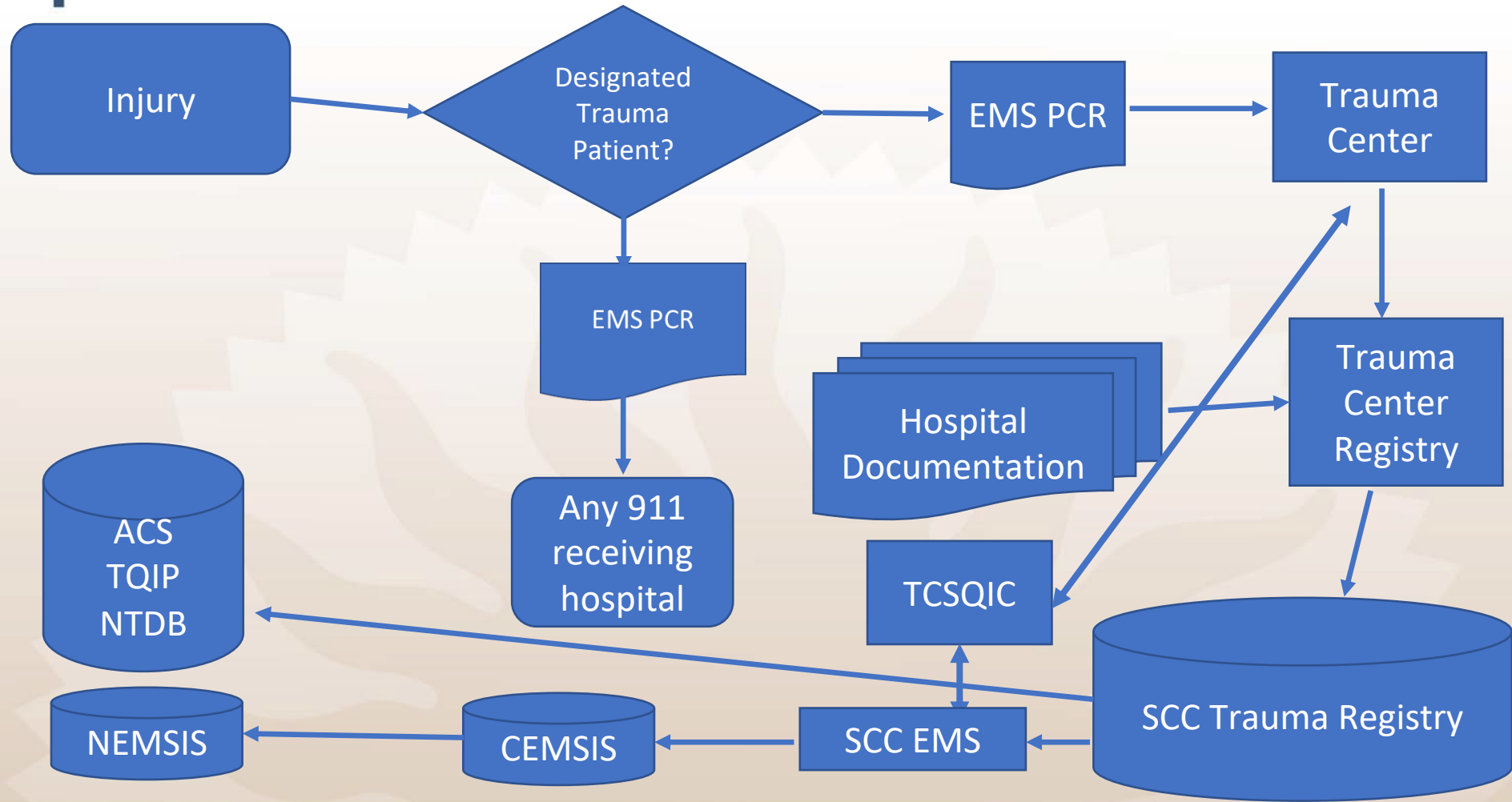


# Flow of Trauma Data





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# Abbreviated Injury Scale (AIS)

- Created in 1969 by Association for the Advancement of Automotive Medicine (AAAM)
- Type
- Location
- Severity
  - 1 Minor
  - 2 Moderate
  - 3 Serious
  - 4 Severe
  - 5 Critical
  - 6 Maximum

# Injury Severity Score

Highest AIS severity code in each of the three most severely injured ISS body regions

- Head or neck – including cervical spine
- Face – including the facial skeleton, nose, mouth, eyes and ears
- Chest – thoracic spine and diaphragm
- Abdomen or pelvic contents – abdominal organs and lumbar spine
- Extremities or pelvic girdle – pelvic skeleton
- External

# ISS Example

Body region	Severity	AIS Score	Squared
Head and Neck	Moderate	2	4
Face	No injury	0	
Chest	Serious	3	9
Abdomen	No injury	0	
Extremity	2	4	4
External	No injury	0	
<b>Total</b>			<b>17</b>

# Vision Zero Task Force

## Groundwork to model Vision Zero SF's Public Health data linkage

### Vision Zero San Francisco (VZSF) Model

- Vision Zero San Francisco (Public Health) linked crash and injury data (SFPD) with trauma hospital data (Zuckerberg SF General)
- Missing from police records, but in hospital records:
  - All injuries: 20% of pedestrians and 25% of cyclists
  - Severe injuries: 24% of pedestrians, 39% of cyclists, 28% of motor vehicle occupants
- Discrepancies found in Communities of Concern
- San Francisco redrew its Priority Corridors

### San Jose Vision Zero and Santa Clara County EMS

- Met with VZSF to request data sharing agreements
- Santa Clara County: could be first county to emulate SF model
- Opportunity to compare crash data with trauma data: equity lens

## 5. Task Force Member Discussion

### Questions for:

- **City of San José Police Department**
- **Santa Clara County Medical Examiner – Coroner**
- **Santa Clara County Emergency Medical Services**
- **City of San José Department of Transportation**

# Vision Zero Task Force

## Thank You

### Meeting Schedule:

- **Next Task Force: Outreach: Friday June 4, 2021, 9am-11am**

### Upcoming at City Council:

- **Transportation and Environment (T&E) Committee Meeting:  
Monday May 3, 2021, 1:30pm**

***Task Force questions, or to join San José Vision Zero email list:  
Contact Anna Le at [anna.le@sanjoseca.gov](mailto:anna.le@sanjoseca.gov)***