



# San Mateo County E-bike Data Review

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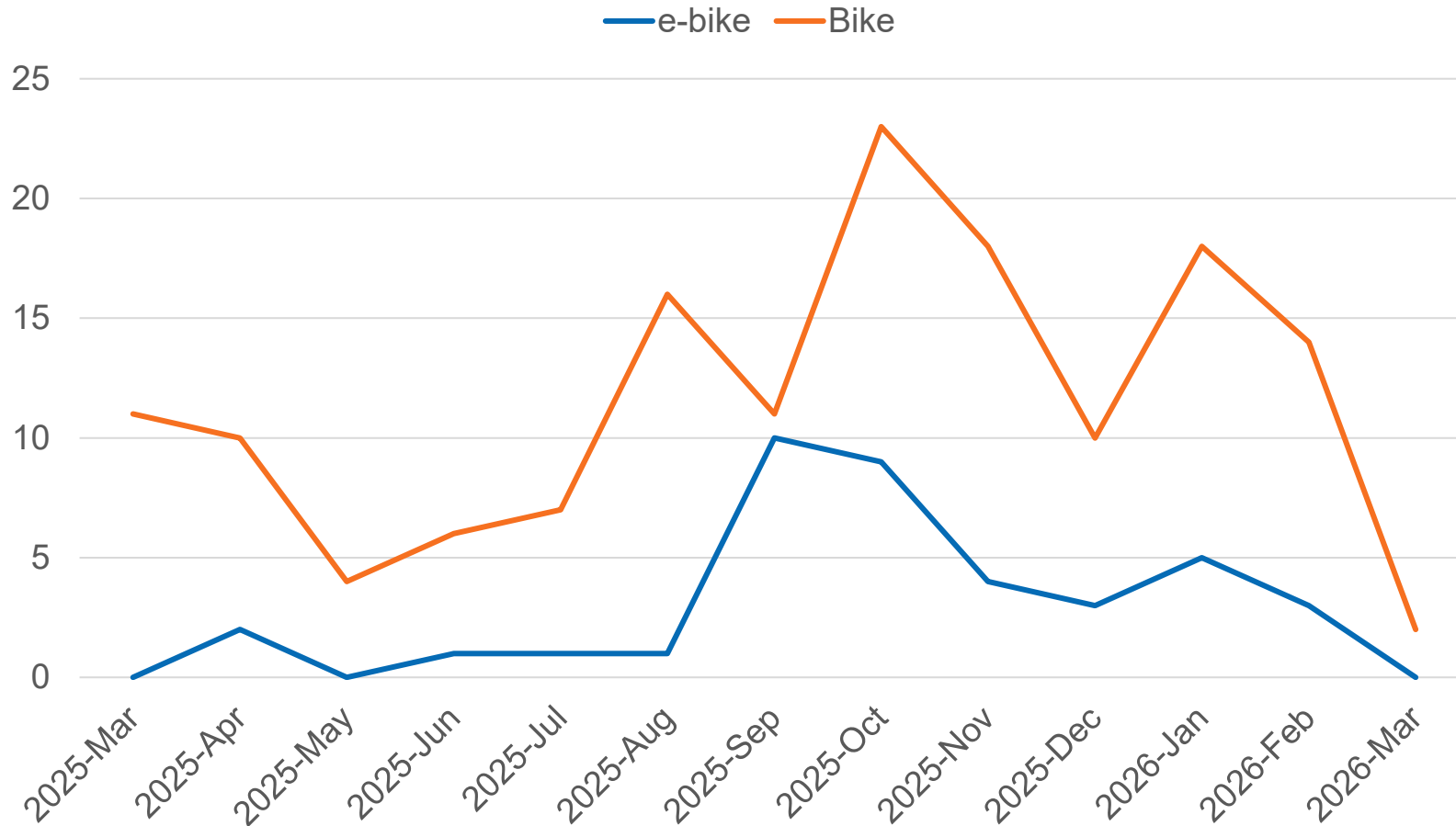


**SAN MATEO**  
**COUNTY HEALTH**

# Key takeaways

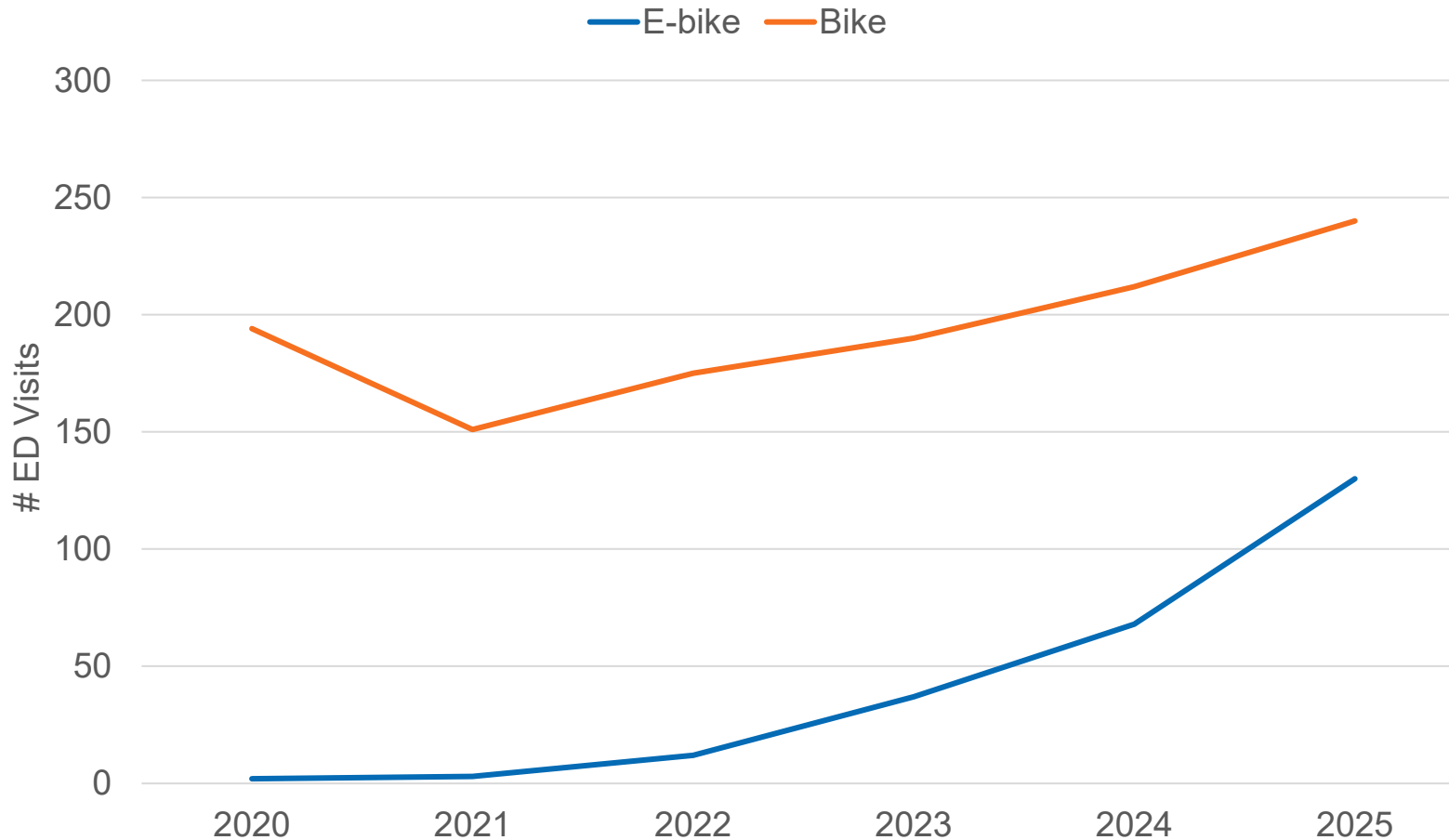
- National publications have shown a significant increase in e-bike related injuries, in both adults and children, with at least 10% requiring hospitalization.
- In SMC, the number of bike-related EMS calls and ED visits exceed that of e-bikes, although there has been a considerable increase in the rate of rise of e-bike related ED visits.
- Youth aged 10-19 years saw the biggest increases in e-bike related ED visits.
- Currently, there are major local data limitations (accurate differentiation of e-bikes vs bikes, data collection, data availability) that prevent accurate tracking of e-bike incidents.

## E-bike- and Bike-related EMS Calls in SMC, 3/1/2025 – 3/18/2025



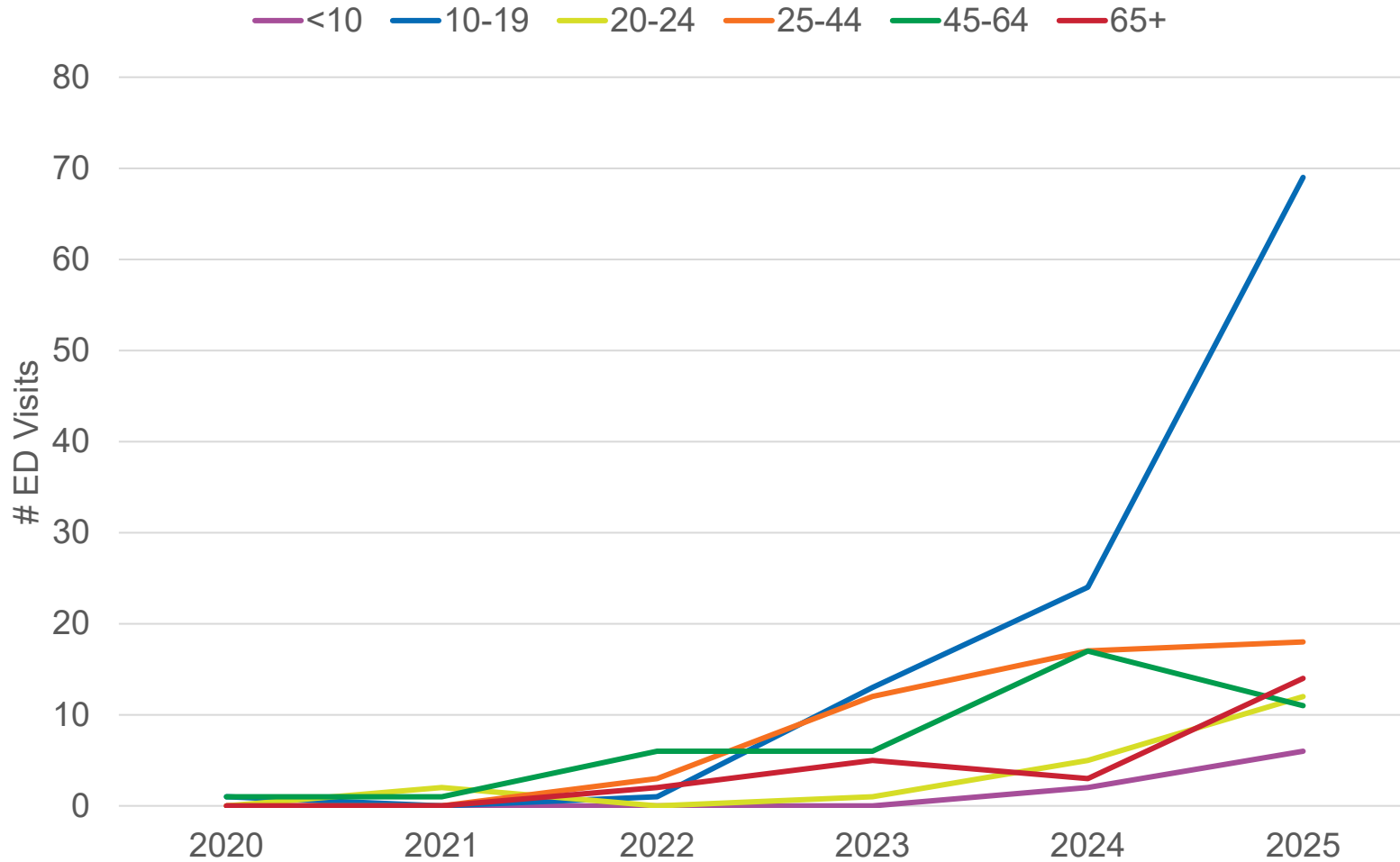
- **Age ranges of bike related calls 3-94y, average age 45y.**
- People 25-64 years old made up the most bike-related EMS calls.
- **Age range of e-bike related calls 6-86y, average age 31y.**
- People 25-44 and 10-19 years old made up most of e-bike-related EMS calls.
- Data pertains to e-bike and bike riders, not others possibly harmed such as pedestrians.

## E-bike- and Bike-related ED Visits to All SMC Facilities, 2020-2025



- Bike-related ED visits are more common than e-bike-related ED visits.
- **Since 2021, e-bike-related ED visits increased at a faster rate than bike-related ED visits.**

## E-Bike-related ED Visits to All SMC Facilities by Age Group, 2020-2025



- **E-bike-related ED visits increased the most among 10–19-year-olds.**
- 10–19-year-olds made up almost half of e-bike-related ED visits.
- In 2025, the number of e-bike-related ED visits for 10–19-year-olds were nearly 4x higher than the next highest group, 25-44 years old.

# Improvements needed for better data

- Health care providers, emergency responders, medical examiners, etc. consistently use e-bike medical diagnoses codes and/or notes when documenting presence of e-bikes in clinical records.
- Consistent documentation of e-bikes in collision data by law enforcement.
- Development of a process to make the distinction between class of e-bike during data collection and data sharing.
- Better data sharing and collaboration across agencies and sectors.