



Electric Bicycles and Electric Motorcycles: The Difference, The Problem, And The Solution

HEALTH // AGING & LONGEVITY

A 'phenomenal' way for older adults to get exercise

By **Erin Allday**, Staff Writer

July 20, 2025

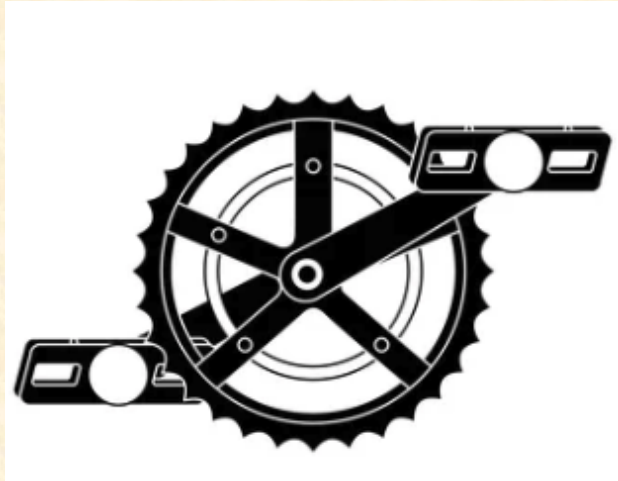
 Gift Article



“Bob Mittelstaedt, 77, descends Mount Tamalpais’ Octopus Trail on his electric mountain bike. Mittelstaedt, a longtime cyclist, switched from traditional bikes to e-bikes for on- and off-road riding about seven years ago.”



PEDAL-ASSIST



THROTTLE



PEDAL-ASSIST

(750 watts = 1 horsepower)

Class 1



Motor must cut off at
20 mph

Any Age

Class 3



Motor must cut off at
28 mph

16 years or older

Throttle-Activated

750 watts / 20mph



Class 2 Electric Bicycles
("E-bikes")



Electric Motorcycles
("E-motos")

	E-Bikes	E-Motos
		
 Treated As Bicycles		
 Treated as Motor Vehicles		
 License	Not Required	Required
 Registration	Not Required	Required
 Turn Signals	Not Required	Required
 Insurance	Not Required	Required

E-bike or E-moto?



THE POWER GOAT V3

★★★★★ (36)

\$2,999.00 ~~\$3,150.00~~

🎁 Earn 2,999 Points when you buy this item.

Style/Color

ALL BLACK - PEDALS

ALL BLACK - NO PEDALS

BLACK GOLD FORKS - PEDALS

Custom 2,000W Rated Brushless Gearless Direct Drive Motor (3,000W Peak Power)

170NM of Torque

Max speed of between 40-50MPH (dependent on rider weight and terrain)

140lb=48MPH, 240lbs=43MPH

The top speed is set automatically to 20mph from the factory. To disable this feature, input the code "0000" in the bike settings.

<https://www.goatpowerbikes.com/collections/all-products/products/motor-goat>



Ride1Up REVV1 Specs

MSRP	\$2,295 (full suspension) / \$1,795 (hardtail)
Range	30-60 mi
Top Speed	20 mph (Class 2) 35+ mph (unlocked)
Category	Category 2



Amyet



Freego



Macfox



Q life



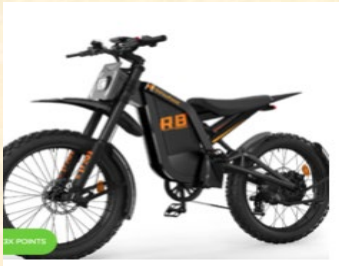
Riding Times



Super73



Ariel Rider



Isinwheel



Movcan



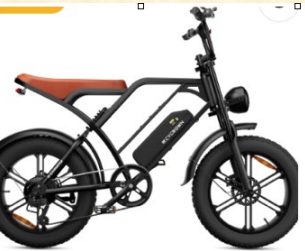
RAEV Bullet



Ridstar



Tuttio



Cycrun



Jasion



P-51



Ride1Up



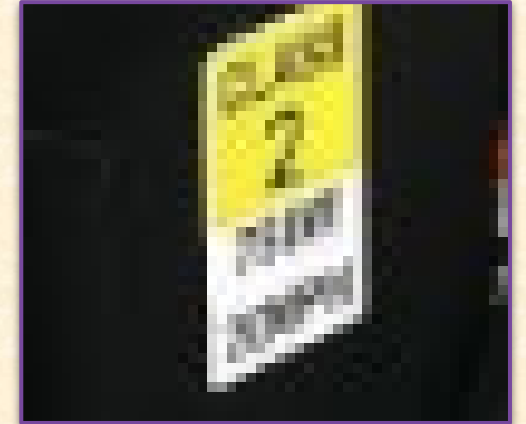
Sedway



Zooz



E Ride Pro



Tuttio Soleil01 Electric Mini Bike For Kids & Adults - UL Certification

48V **2000W** 1008Wh Lithium Cell **37Mph** UL2272



8 Pack Electric Bicycle Frame
Identification Class Number
Stickers Decals 2X 3.5 Inch - E-
Bike Class Number Sign Mark...

Options: [2 sizes](#)

4.3 ★★★★★ (18)

\$7⁸⁹ (\$0.99/count)

✓prime Tomorrow

FREE delivery Tomorrow, Oct 17

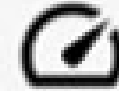
Taped-Over Brand Name



FREEGO NOVA5



BATTERY
72V, 40AH



MOTOR (PEAK)
8000W / 15000W (PRO)



FRAME
**ALUMINUM
ALLOY**



RANGE
40-70 MI



TOP SPEED
**53 MPH / 62
MPH (PRO)**



MAX TORQUE
380 N·M



FAT TIRE ELECTRIC BIKE

1000W LARGE BATTERY
Efficient motor

\$629 ~~\$1,099.99~~

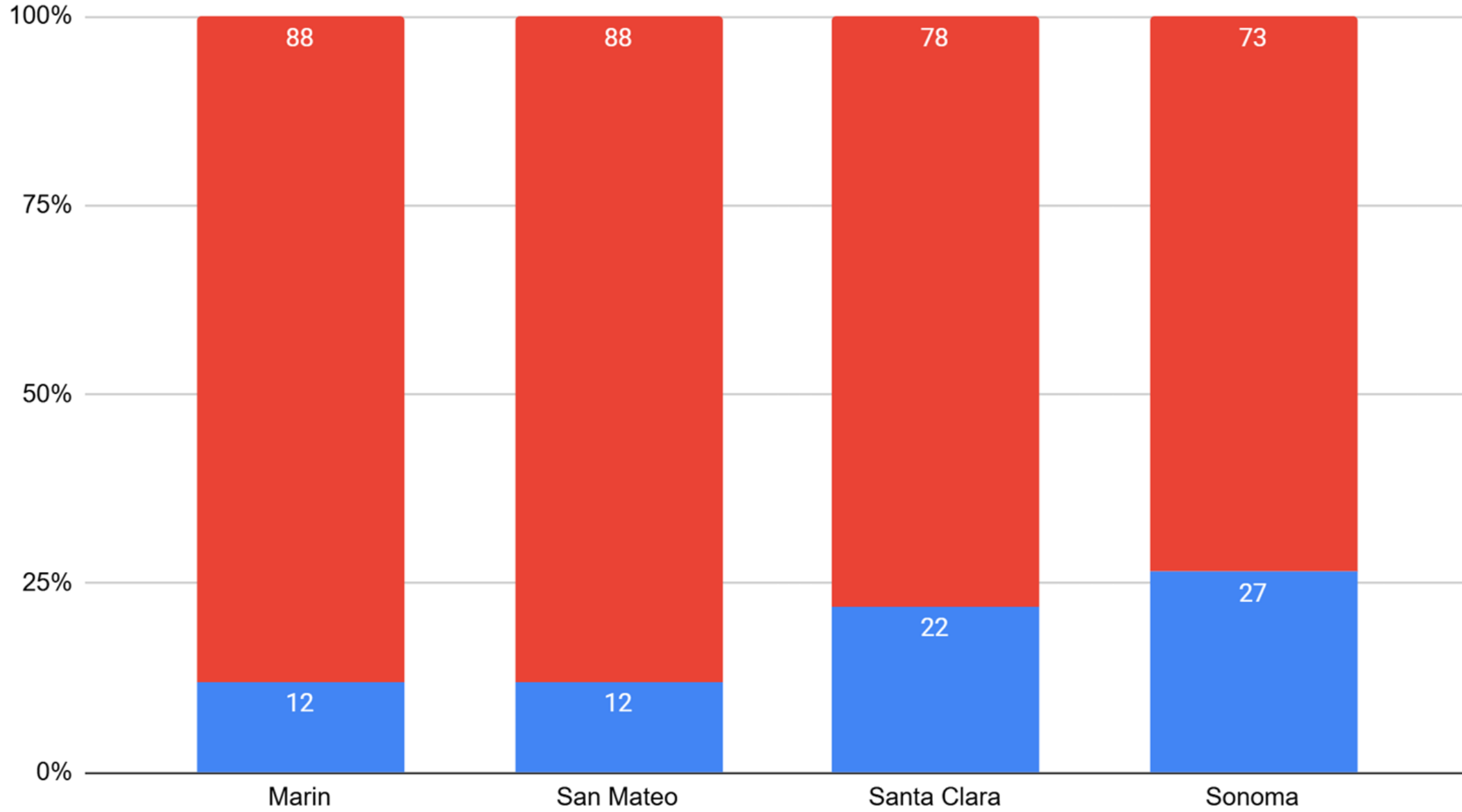
Powerful 1000W High-Speed Motor

Our electric mountain bike is equipped with a powerful 1000W high-speed brushless motor, providing greater power and torque for your ride. With a top speed of up to 28+++mph, you can easily tackle challenging terrain and reach your destination faster.

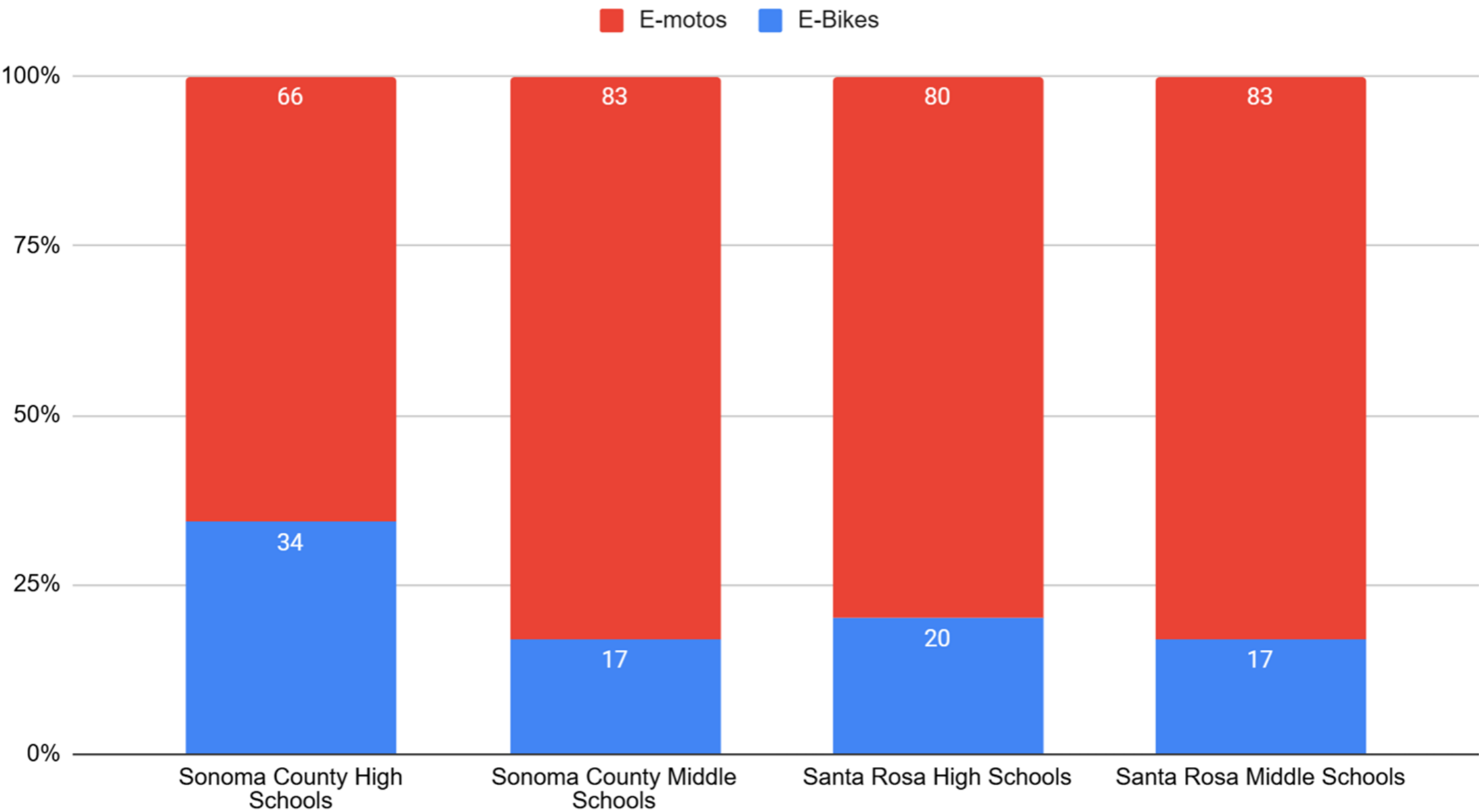


Percentage of e-bike v e-motos
at local schools?

E-motos E-Bikes



E-Bikes and E-motos





peopleforbikes™

September 18, 2025

The E-Bike Problem is an E-Moto Problem

By: PeopleForBikes Staff



MTI Electric Bicycle Safety Study Identifies Illegal, Over-Powered Devices as Key Problem



ROB BONTA

Attorney General

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Too Fast, Too Furious: Attorney General Bonta, California District Attorneys Issue Consumer Alert on E-Bike Safety, Legal Requirements

Press Release / *Too Fast, Too Furious: Attorney General Bonta, California Di...*



Tuesday, April 14, 2026

Contact: (916) 210-6000, agpressooffice@doj.ca.gov

If it's too fast, it's not an e-bike — you might be riding illegally

COMMUNITIES

Measure the Problem: “Bike Counts”



71 "E-Motos" Parked in the Bicycle Corral at Stone Valley Middle School

WOTe (34mph)

HEVV 1DHT (34mph)

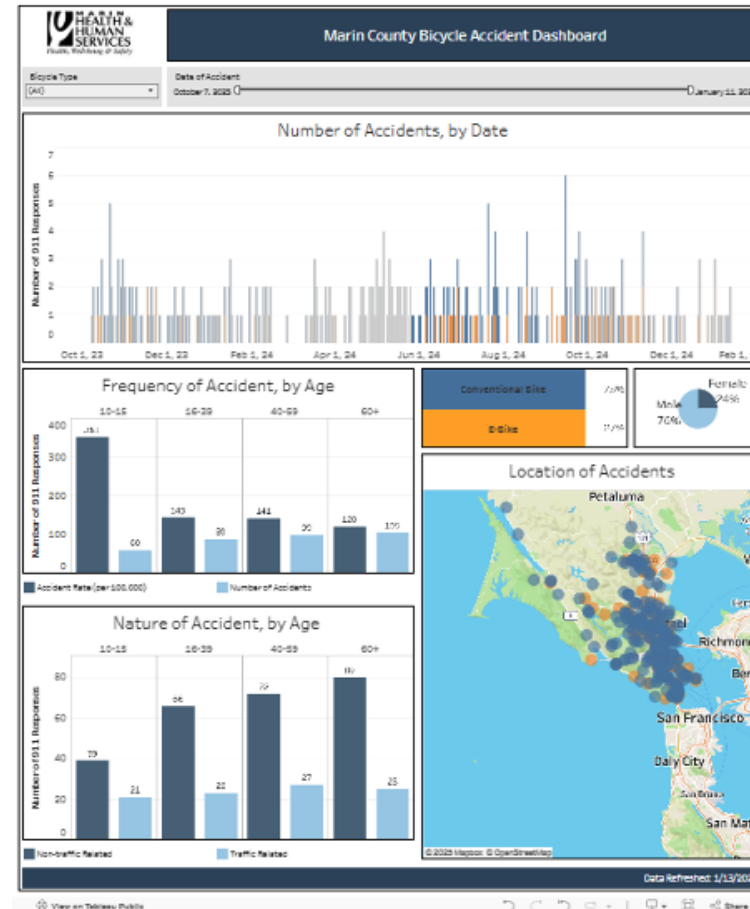
Measure the Problem: Injury Data

Bicycle Accident Dashboard

Dashboard contents include:

- Number accidents by date
- Frequency of accident by age
- Nature of accident by age
- Location of accidents
- % of e-bicycles vs. conventional bicycles
- % accidents by gender

<https://www.marinhhs.org/bicycle-safety>





SONOMA COUNTY
DISTRICT ATTORNEY

Enforce Existing Laws



Driving motor vehicle without a driver license and DMV registration. *Veh. Code 12500(a)-(b); 4000.*

Parents allowing unlicensed juveniles to operate motor vehicle.
Veh. Code 14607

Placing child “in a situation where his or her person or health is endangered” *Penal Code 273(a)-(b)*



SANTA ROSA
POLICE

Parents Charged with Child Abuse in e-Moto Crash in Walnut Creek

Contra Costa District Attorney's Office

Posted on March 26, 2026



\$4,400.00

★★★★★ (1 review) Write

Battery Cells: Required

- Panasonic PF 34ah
- Samsung 35E 38ah +\$150.00

Add to Wish list

CRASH INVOLVING A MINOR RIDING
A MOTORCYCLE

Description

CHILD ABUSE CHARGES FOR TEEN'S E-MOTORBIKE CRASH
POLICE WARNED PARENTS ABOUT SON'S RIDING FOR YEARS

battery pack. Forced light

OC mother charged after teen son critically injures 81-year-old in e-motorcycle crash

Prosecutors say the mother was warned about letting her son illegally ride the e-motorcycle before the crash.



CENTRAL MARIN
POLICE AUTHORITY



E-MOTORCYCLE WARNING

This device has a motor larger than **750 watts** and/or is capable of providing assistance above **20 mph**.

This is an **"e-motorcycle,"** not an "e-bike," and it is **not street-legal**.
Vehicle Code 312.5(a)(2).

It is **unlawful** to ride this **e-motorcycle** without a valid CA driver's license and DMV registration.
Vehicle Code 12500.

It is **unlawful** for parents to allow unlicensed juveniles to operate this **e-motorcycle**.
Vehicle Code 14607.

It is **unlawful** for anyone under the age of 16 to ride a Class 2 (pedal assist or throttle) e-bike in Marin County.

Central Marin Police **will issue a citation and tow this e-moto** if ridden on the street.

**IF THIS E-MOTORCYCLE IS PARKED ON CAMPUS
AGAIN, IT WILL BE LOCKED AND A PARENT /
GUARDIAN MAY BE REQUIRED TO PICK IT UP.**

PLEASE DO NOT RIDE IT TO SCHOOL.



Menlo Park City School District: Bans All Throttle Devices

“The technology has outpaced the law when it comes to student safety and bikes and we are in a place where it feels like education is not enough.”-

Kristen Gracia, Superintendent

E-Scooters

- License or permit required
- 15 mph speed limit
- Helmet required if under 18

