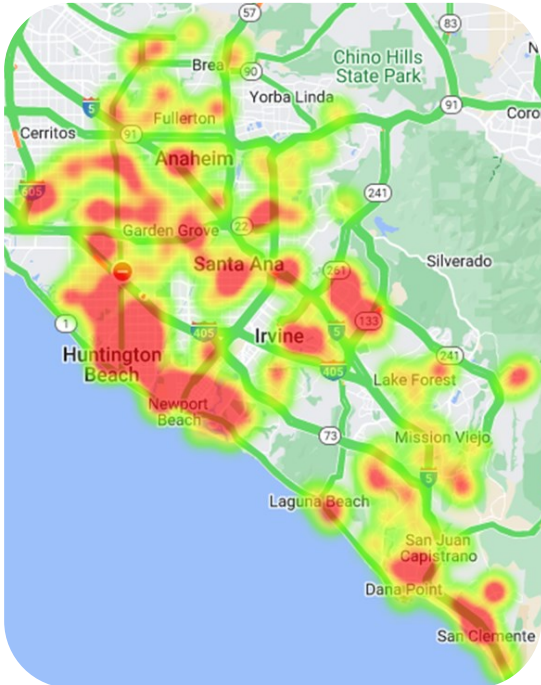




Electric Bicycle Injuries

CHOC has seen a rise in injuries related to electric bicycles (e-bikes). These devices bring increased risk to children, specifically adolescents. Injuries sustained while riding e-bikes are more severe compared to manual bikes due to the speed and lack of operator skill. Parents and community members should be aware of these risks as well as the laws surrounding e-bikes. Below is a summary of e-bike injuries treated by Trauma Services at CHOC Children’s Hospital.



Map includes e-bike and regular bicycle collisions, created from tims.berkeley.edu

 **At least 45% of patients were not wearing a helmet when injured**

California law requires anyone under the age 18 years to wear a helmet while riding an e-bike

Top Locations

1. Huntington Beach
2. Irvine
3. Newport Beach
4. Costa Mesa
5. Anaheim

Common Injury Mechanisms

1. Falling off the e-bike
2. Collision with static object
3. Struck by automobile
4. Pedestrian hit by e-bike

Top Injuries Treated

1. Concussion
2. Extremity fracture
3. Skull Fracture
4. Facial Fracture

