

Trends in E-Mobility Injuries in Hospital and Crash Data in Weld and Larimer Counties

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COLORADO
Department of Public
Health & Environment

Disclaimers and Definitions

Disclaimers:

- CHA Hospital and Emergency Department Data is by county of residence, not location of crash event
- CHA Hospital and Emergency Department Data counts under 11 required to be suppressed per data user agreement
- Crash data could include misclassification of e bikes as motorcycles or bicycles, or not include in narrative at all

Definitions:

- ED = Emergency Department
- ICD-10-CM Code: standardized alphanumeric coding system used in the U.S. to classify and report diagnoses, symptoms, and injuries on medical claims and health records



Crash Data Query

AND (Narrative like '%e-scooter%'
OR Narrative like '%escooter%'
OR Narrative like '%motorized scooter%'
OR Narrative like '%electric scooter%'
OR Narrative like '%lime scooter%'
OR Narrative like '%ebike%'
OR Narrative like '%motorized bike%'
OR Narrative like '%e-bike%'
OR Narrative like '%lime bike%'
OR Narrative like '%electronic bike%'
OR Narrative like '%ebicycle%'
OR Narrative like '%motorized bicycle%'
OR Narrative like '%e-bicycle %'
OR Narrative like '%lime bicycle%'
OR Narrative like '%electric bicycle%')



Hospital and ED Data Inclusion Criteria - Ebikes

Traffic Codes: V20 Block: V20.41, V20.51, V20.91

V21 Block: V21.41, V21.51, V21.91

V22 Block: V22.41, V22.51, V22.91

V23 Block: V23.51, V23.91 (*Note: V23.41 does not exist in standard sets, usually jumps from .3 to .5*)

V24 Block: V24.41, V24.51, V24.91

V25 Block: V25.41, V25.51, V25.91

V26 Block: V26.41, V26.51, V26.91

V27 Block: V27.41, V27.51, V27.91

V28 Block: V28.41, V28.51, V28.91

V29 Block: V29.401, V29.491, V29.501, V29.591, V29.601, V29.691, V29.91

Non-Traffic Codes: V20 Block: V20.01, V20.11, V20.21, V20.31

- **V21 Block:** V21.01, V21.11, V21.21, V21.31
- **V22 Block:** V22.01, V22.11, V22.21, V22.31
- **V23 Block:** V23.01, V23.11, V23.21, V23.31
- **V24 Block:** V24.01, V24.11, V24.21, V24.31
- **V25 Block:** V25.01, V25.11, V25.21, V25.31
- **V26 Block:** V26.01, V26.11, V26.21, V26.31
- **V27 Block:** V27.01, V27.11, V27.21, V27.31
- **V28 Block:** V28.01, V28.11, V28.21, V28.31
- **V29 Block:** V29.001, V29.091, V29.101, V29.191, V29.201, V29.291, V29.31, V29.811, V29.881



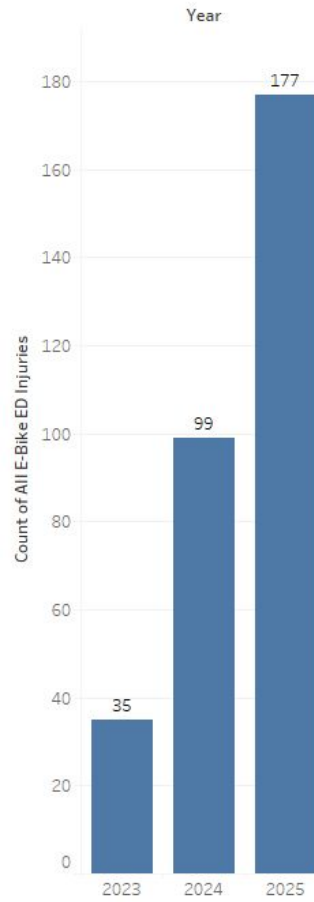
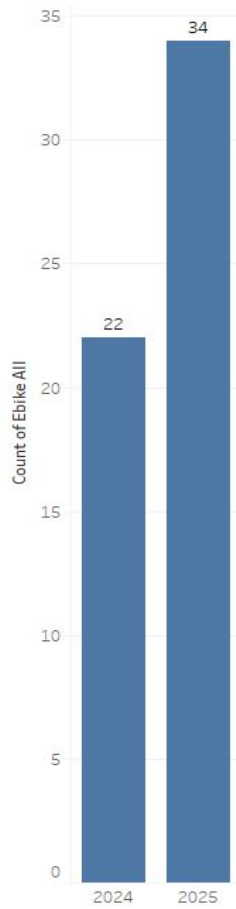
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All E-Scooter Codes List

- V00.031, V00.841, V00.842, V00.848
- V01.031, V01.131, V01.931
- V02.031, V02.131, V02.931
- V03.031, V03.131, V03.931
- V04.031, V04.131, V04.931
- V05.031, V05.131, V05.931
- V06.031, V06.131, V06.931



Descriptive Trends - E-Bike, ED and HDD



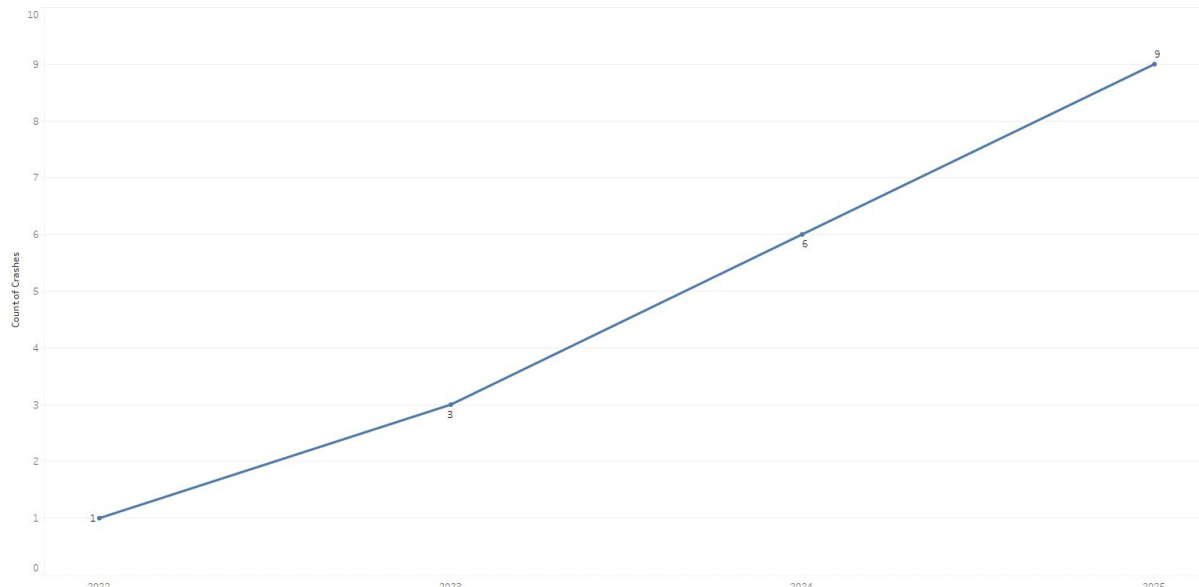
2023 Hospitalizations
Counts too low*



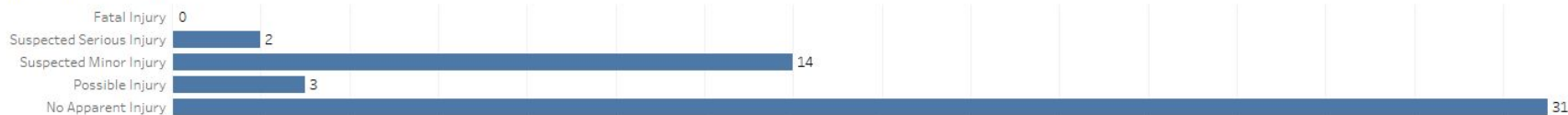
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Descriptive Trends - E-Bike, crash data

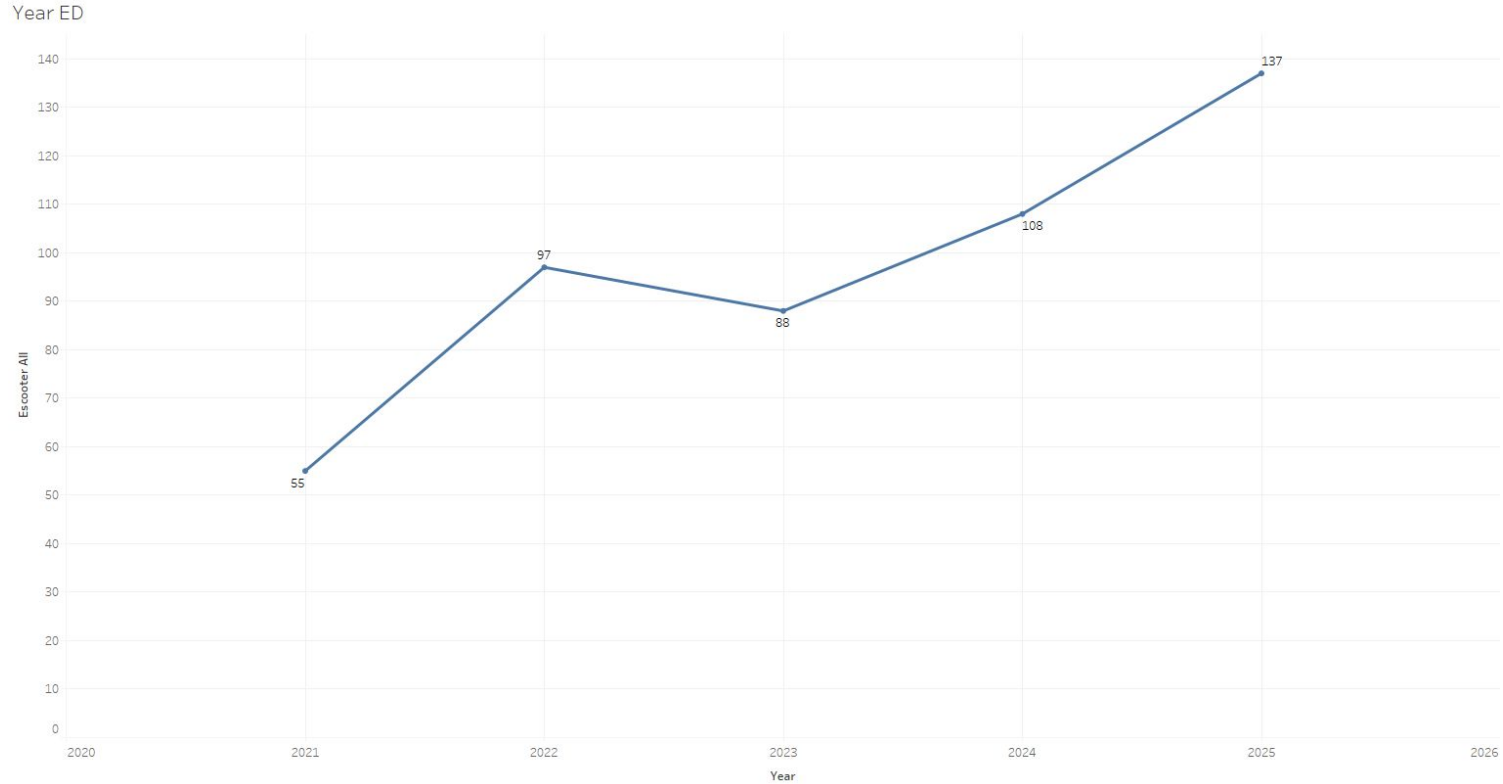
Larimer and Weld County - Ebike Crash Count



Sum of Injuries from E-Bike Crashes



Trends - E-scooters, ED data

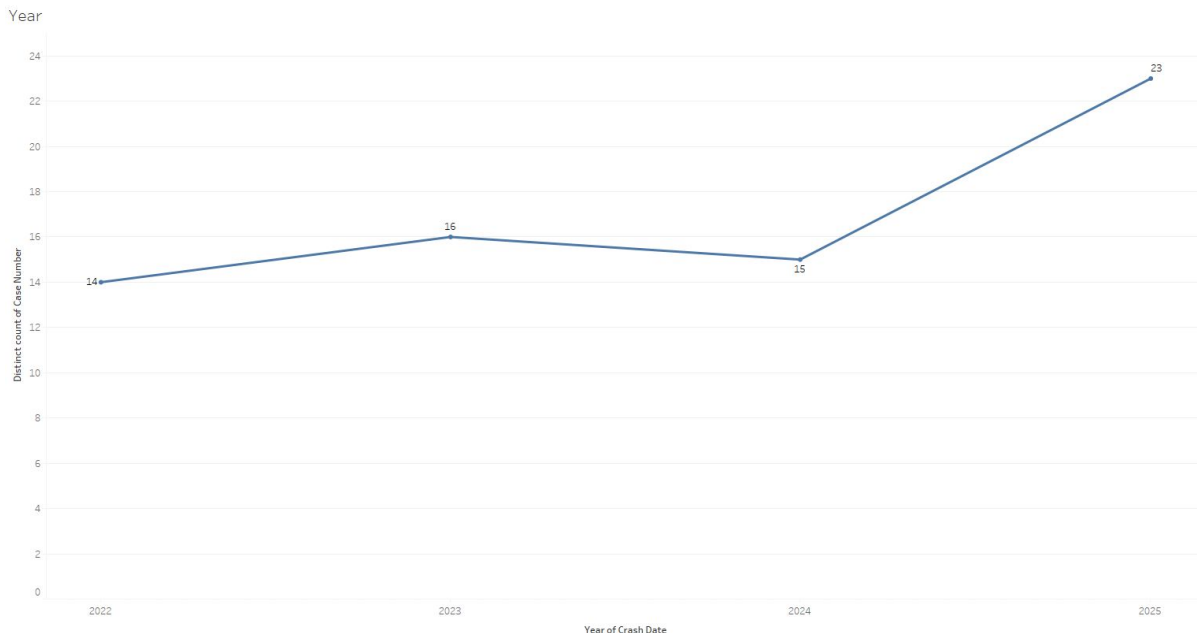


Hospitalizations Counts too low*

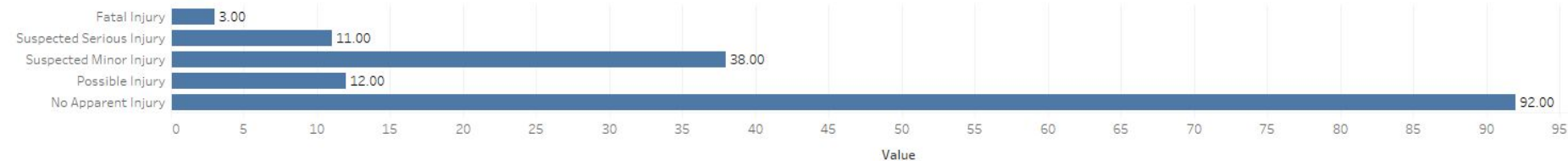


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Trends - E-scooters, crash data

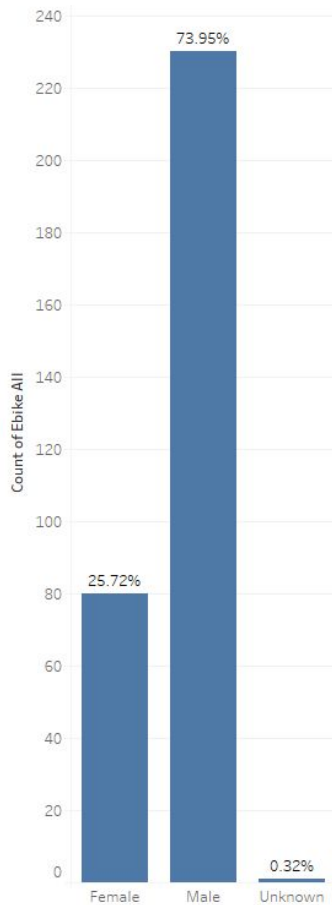


Injury Count

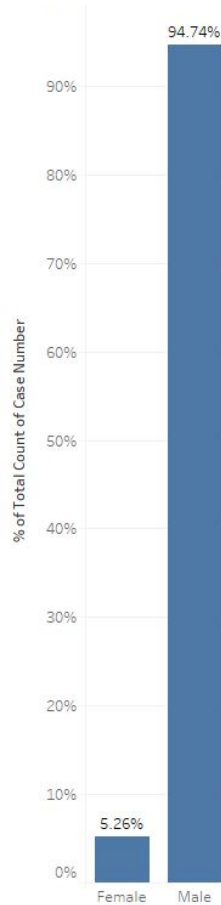


Demographic Information - Ebike, ED and HDD

Emergency Department



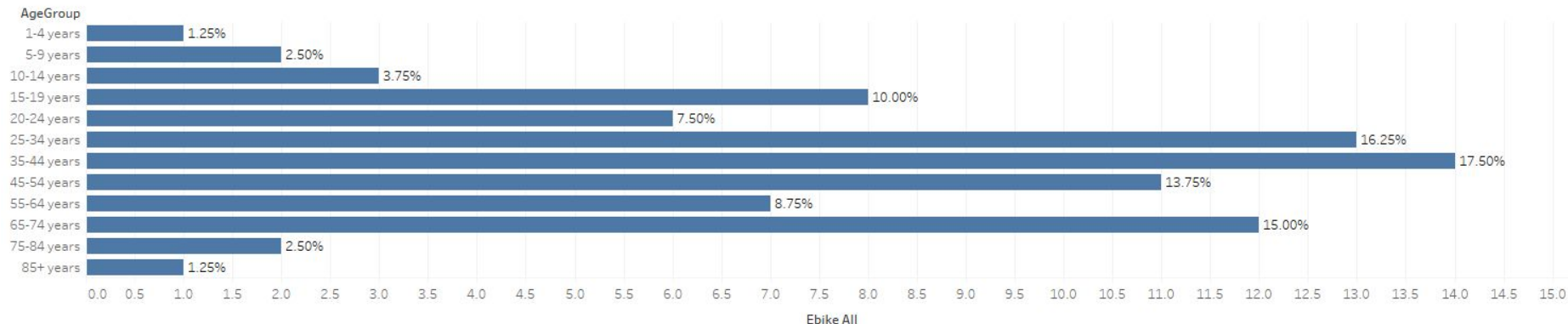
Crash Data



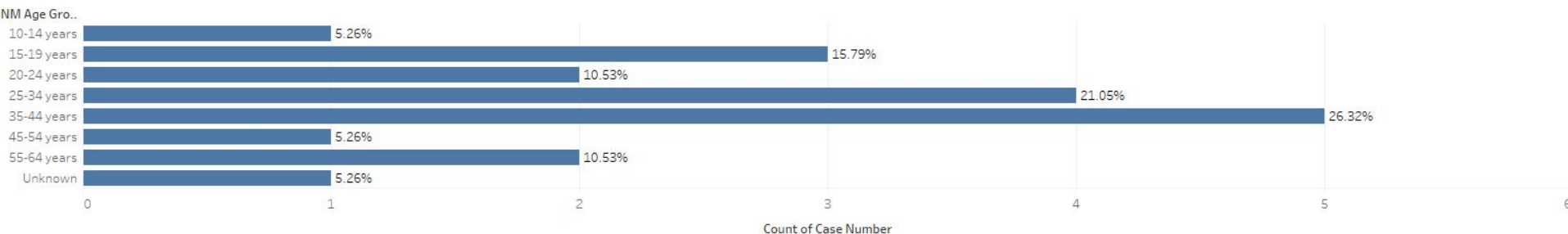
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Demographic Information - Ebike

Emergency Department

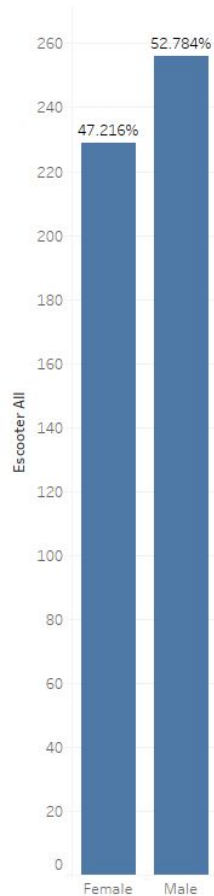


Crash Data

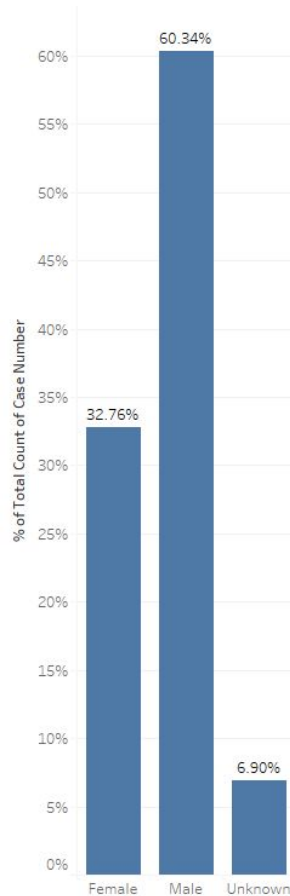


Demographic Information - EScooter

Emergency
Department



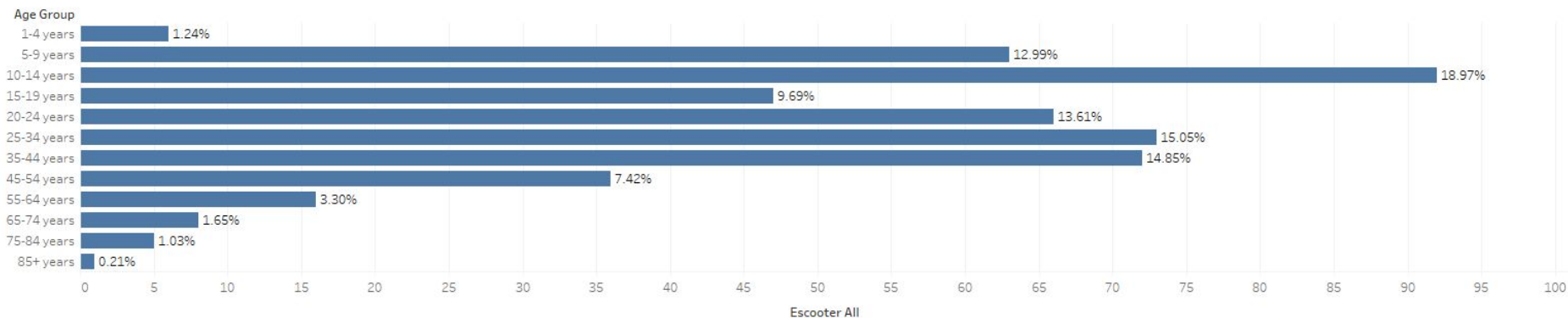
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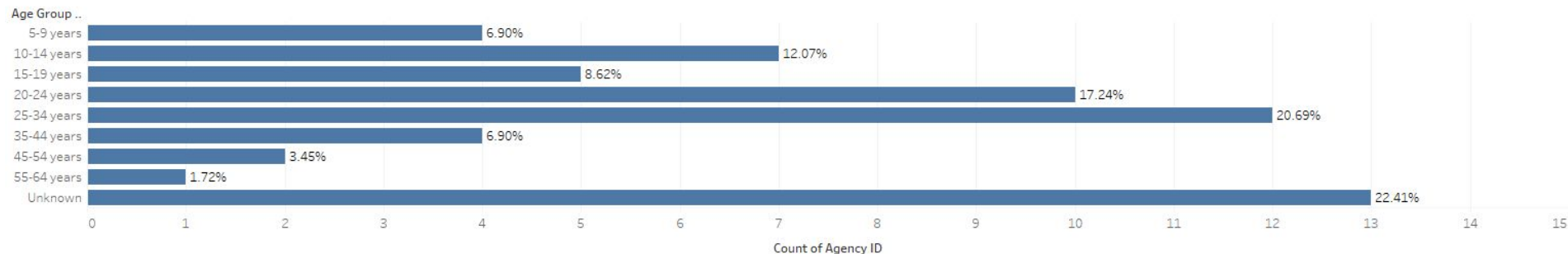
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Demographic Information - EScooter

Emergency Department



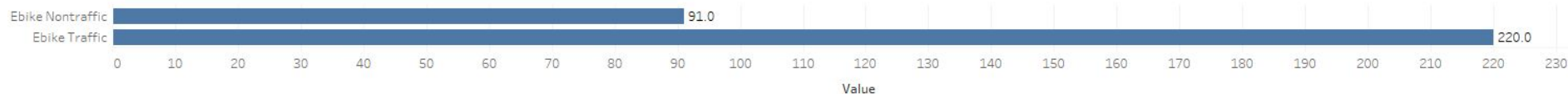
Crash Data



Traffic v Non-Traffic

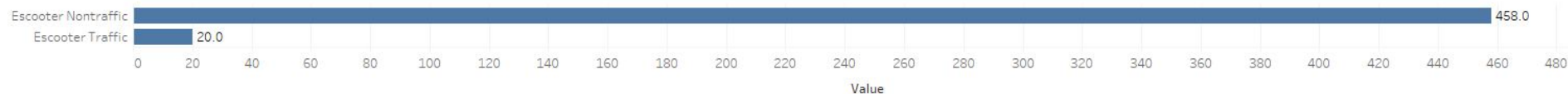
Ebike:

Traffic v Non Traffic ED



Escooter:

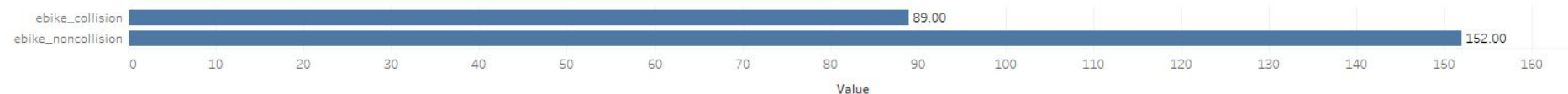
Sheet 10



Collision v Non-Collision

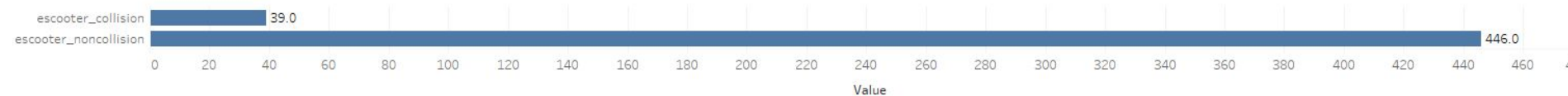
E-Bike:

Collision v Non Collision



E-Scooter:

Collision Crashes



Helmeting

Helmeted NM - EBike

Null	5.26%
Helmet Properly used	42.11%
No Helmet	52.63%

Helmet - Escooter

TU-1 NM Safety Helmet

No Helmet	56.90%
Null	12.07%
N/A (Cars/Trucks)	6.90%
Helmet Properly used	12.07%
Unknown (Describe in Narrati..	10.34%
Helmet Improperly used	1.72%



Location - E-bike, crash data

Sheet 17

Location 1	County	
BATTLECREEK DR	LARIMER	1
JEFFERSON ST	LARIMER	1
MIDPOINT DR	LARIMER	1
N COLLEGE AVE	LARIMER	1
N HOWES ST	LARIMER	1
N TAFT HILL RD	LARIMER	1
PROSPECT RD	LARIMER	1
S COLLEGE AVE	LARIMER	1
S MASON ST	LARIMER	1
S TIMBERLINE RD	LARIMER	3
SHIELDS ST S	LARIMER	1
W HORSETOOTH RD	LARIMER	1
W LAKE ST	LARIMER	1
ZIEGLER RD	LARIMER	1
MAIN ST	WELD	1
MITCHELL WAY	WELD	1
ROOSEVELT PKWY	WELD	1

city

City

FORT COLLINS	84.21%
ERIE	5.26%
JOHNSTOWN	5.26%
WINDSOR	5.26%



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Location - E-Scooter, crash data

Location 1	County	
S SHIELDS ST	LARIMER	5
CITY PARK AVE	LARIMER	3
S COLLEGE AVE	LARIMER	3
S MASON ST	LARIMER	2
SHIELDS ST S	LARIMER	2
TAFT HILL RD S	LARIMER	2
W 8TH ST	LARIMER	2
W PROSPECT RD	LARIMER	2

City

City	
FORT COLLINS	67.12%
Null	8.22%
LOVELAND	19.18%
WINDSOR	2.74%
ERIE	1.37%
WELLINGTON	1.37%

What we don't know

- E-bike classification
- Private vs publicly owned vehicle



Thank you!

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MEMORANDUM

To: NFRMPO Technical Advisory Committee (TAC)
From: Jerome Rouser
Date: July 15, 2026
Re: Discussion Item – Connected Communities 2055 RTP RSCs

Summary

The NFRMPO held a Regionally Significant Corridor (RSC) workshop on April 6, 2026 to discuss changes to the RSC network for the 2055 RTP. At this workshop, the recommended changes include:

- New RSC along 1st Street/LCR20E/Ronald Reagan Boulevard in Loveland and Johnstown;
- Extending RSC 28 (Prospect Road) eastward to RSC 11 (SH257) and westward to RSC 18 (Taft Hill Road);
- Extending RSC 18 (Taft Hill Road/ Wilson Ave/ LCR19) southward to RSC 13 (SH402/Freedom Parkway); and
- Extending RSC 13 (SH402/Freedom Parkway) westward to RSC 18 (Taft Hill Road/ Wilson Ave/LCR19).

NFRMPO Staff brought the proposed RSC and RTC changes to the April 15, 2026 TAC meeting for further discussion. As a result of that meeting, TAC recommended the following additions:

- Extend RSC 20 (WCR17) northward to its northern terminus at RSC 12 (SH392); and
- Extend RSC 17 (LCR17/Shields Street) eastward to RSC 16 (LCR7/LCR9/Timberline Road).

Recommendation

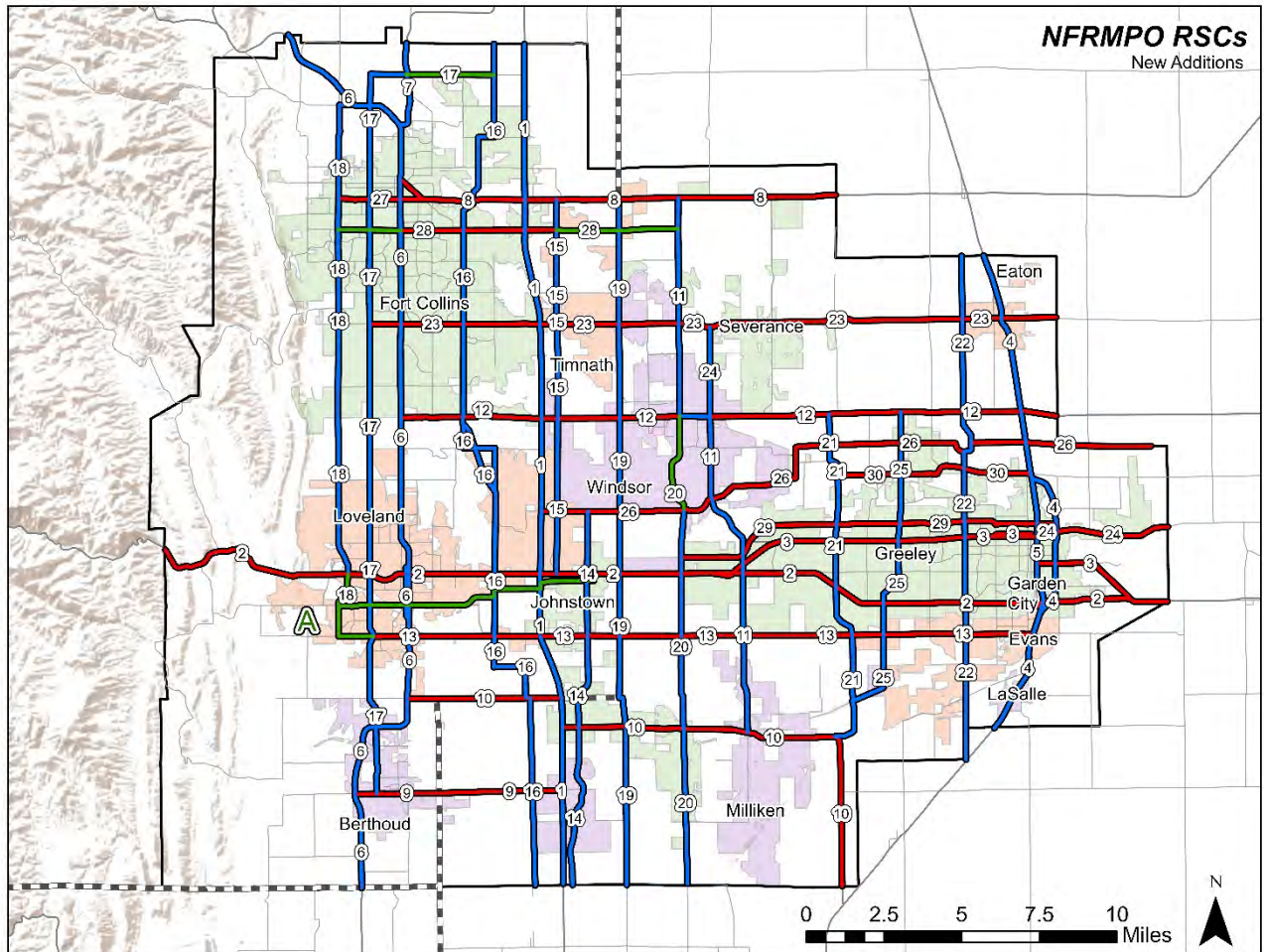
NFRMPO Staff requests TAC review the proposed RSCs and provide comment.

Attachments

- Proposed RTC Map
- Proposed RTC Map with US34 Preservation Study Low-Build Network



Proposed RSC Map



Legend

- Proposed
- North / South
- East / West

- NFRMPO Boundary
- County Line

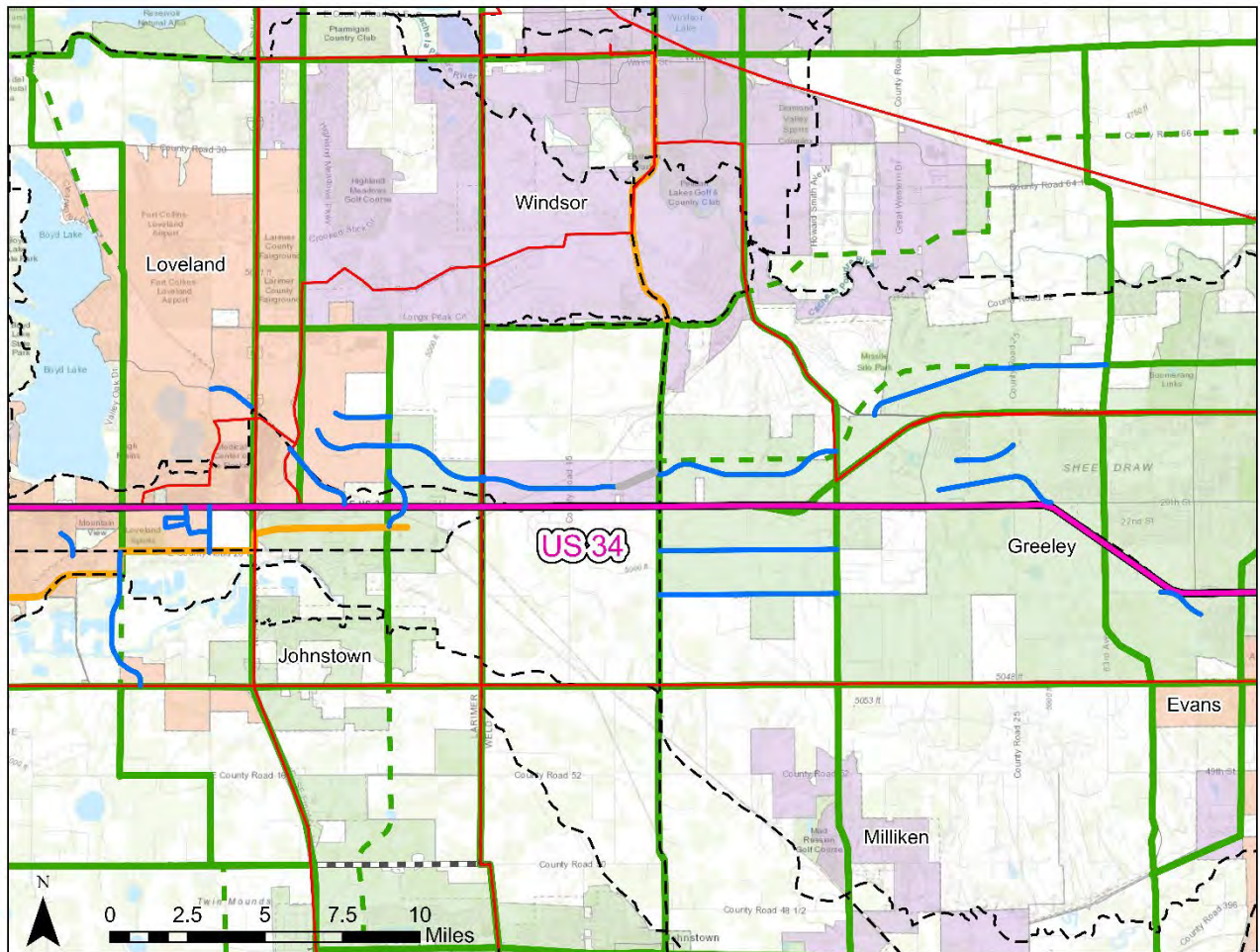
**Draft*

May 2026
Sources: CDOT, NFRMPO





Proposed RSC Map with US34 Preservation Study Low Build Network



Legend

2055 RSCs

- Existing
- Proposed
- Proposed - Newest

Transit Corridors

- RATC
- RTC

CDOT Corridor Preservation Study

- Regional Roadway Connections

- NFRMPO Boundary
- County Line

June 2026
Sources: CDOT, NFRMPO

North Front Range
Metropolitan
Planning
Organization

Northern Colorado Bike & Ped Collaborative

Executive Summary – Wednesday, July 8, 2026

Hybrid Meeting

NoCo Bike & Ped Voting Structure

The group reviewed its current voting framework and discussed whether modifications are needed before the next Call for Projects. The discussion focused on whether additional organizations, private-sector representatives, advocacy groups, or other partners should be included in the voting structure. Two approaches were considered. One approach would maintain the existing voting structure. The second approach would convert the four other organizations/agencies into four at-large seats that could be filled by interested organizations or partners.

Regional Active Transportation (RATC) Online Maps

Rouser gave an overview of the differences between the 2021 ATP RATC Corridor Maps and the 2025 ATP RATC Corridor Maps. He noted how quickly the data in the 2021 ATP RATC map went out of date and proposed moving the more detailed RATC maps online so they could be updated more frequently.

The group discussed what information would be most useful on an online map, including:

- Corridor widths and facility characteristics.
- Existing and proposed crossing locations.
- Strategic local connections.
- Transit access and nearby destinations.
- Trail ownership and maintenance responsibilities.
- Planning references and corridor origins.
- Speed limits for on-street segments.
- Mobility hubs, trailheads, parks, open spaces, and other destinations.
- Wayfinding signage and trail counter locations.

Bike to Work/Anywhere Day Discussion

The group discussed their experiences with Bike to Work/Anywhere Day. Overall, there was an increase in participation regionwide. Several themes emerged:

- Regional participation continues to increase, with riders traveling between communities.
- Food and practical giveaways remain highly popular.

- Useful items such as bike bells, bike lights, repair supplies, sunscreen, and related accessories generated strong interest.

The group also discussed ideas for future events, including increased regional coordination and the potential development of a stamp-card program that would encourage attendees to visit multiple stations throughout the region.

2026 Active Transportation Events

The City of Fort Collins is hosting organized bike rides in targeted neighborhoods, including a ride to a farmer's market. Open Streets is on October 18th and will be held on Laurel Street just north of CSU.

CSU will be hosting bicycle and skateboard classes later this year.

City of Loveland is targeting a late summer opening for the Skyline and Dakota Ridge Natural Areas which includes 7 miles of soft surface trails.

Active Transportation Data

The group discussed emerging data frameworks from the General Active Transportation Infrastructure Specification Explorer (GATIS) that may improve interoperability between agencies and make it easier to exchange active transportation data. Participants expressed interest in coordinating data collection efforts, improving consistency between jurisdictions, and exploring methods for maintaining more up-to-date information on facilities and conditions.

Roundtable

Bornhoft noted CDOT will be hosting free bicycle and pedestrian facility design trainings in Fort Collins on September 22nd and 23rd.

Jones stated the Town of Severance has paved a segment of the Great Western Trail north of WCR74 and noted the Town of Severance included reflective chips in the pavement to increase night visibility.

Gage noted the Power Trail Underpass at Harmony Road is almost complete and includes heated steps which will reduce the need for snow removal in the winter. The City of Fort Collins is working to finish connecting the underpass to the rest of the Power Trail with an anticipated opening in November.

Wilkinson stated the Poudre Trail will be closed between 83rd and 95th Avenue the week of July 13th.

Rouser noted Mykayla Graalum will be the new NFRMPO SRTS contact. Graalum will reach out to the subcommittee to schedule the next meeting. Rouser stated the Ruby Bridges Walk to School Day grant is open and encouraged communities to apply if they are interested in hosting a Walk to School Day event.