



SANDAG E-Bike Pilot Program

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San Diego Association of Governments (SANDAG)

- **The San Diego region's long-term planning agency**—made up of representatives from all 18 cities, and the county.
- SANDAG is **responsible for creating the long-term vision** for the San Diego region.
- Regional Plan adopted every 4 years



Sustainable Transportation Services

- Reduce # of people who drive alone (SOV)
- Reduce traffic congestion
- Reduce greenhouse gas emissions



Better Use of Space



Photo credit: We Ride Australia

E-Bikes

- About half of all trips people make are less than 3 miles
- E-bikes allows more people of all abilities to ride a bicycle for longer distances and hills
- E-bikes have become increasingly popular in the last few years. Between 2018 and 2021, sales in US increased from less than 300,000 to over 1 million
- However, the cost of an e-bike purchase can be prohibitive to new riders particularly low-income individuals



Bike Subscriptions

- Allows for a recurring monthly payment for access to bikes including E-bikes
- Includes maintenance & insurance
- On demand repair
- Helmet, lock
- May include a buy out option
- **Example:** GoSGV! (San Gabriel Valley)



Bike Libraries

- A Bike Library is a place where bicycles and cycling equipment can be lent or loaned.
- Range from: 1 week to 9 months

Examples:

- Electro-Bici (Northeast San Fernando Valley)
- Community Pass Program (Santa Barbara)
- E-Bike Lending Library (Long Beach)
- E-bike Library (Oakland)



Bike Vouchers

- A Bike Voucher allows for the subsidizing of the purchase of a Bicycle.
- CA E-Bike incentive program (funded by CARB) \$1,000 for e-bike or \$1,750 for cargo/adaptive e-bike



Bikeshare Membership

- Bikeshare facilitate the renting of bikes for shorter periods of time.
- Single Ride, Day Pass, Monthly, Yearly Membership
- Docked or Dockless



Trials or Demos

- Trials allow for the short term usage of a Bike.
- 30-minute demo rides to 5 day ebike loans

Examples:

- Try a Bike (San Luis Obispo)
- EZ Bike Project (Santa Barbara)



Loan to Own Program

- The Loan to Own Program allows for an individual who participates in the program to keep a loaned bicycle after a set amount of conditions.



E-bike Program Resources



E-Bike Incentive Programs of North America Tracker - Google Sheets



peopleforbikes™

Electric Bikes | PeopleForBikes



ClimateAction Center

E-Bike Resources - CalBike

Program Overview

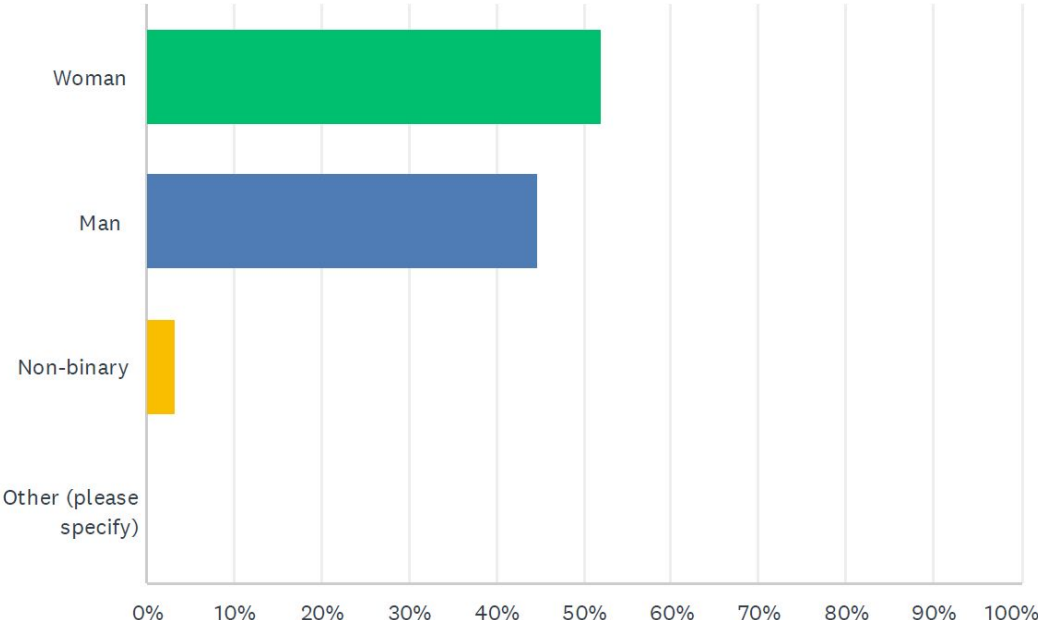
- Partnership with Pedal Ahead
- E-bike loan-to-own program
- 108 participants
- Participants work towards owning an e-bike by:
 - Riding a minimum of 100 miles per month
 - Recording trips via strava
 - Sharing feedback through Surveys



Demographics

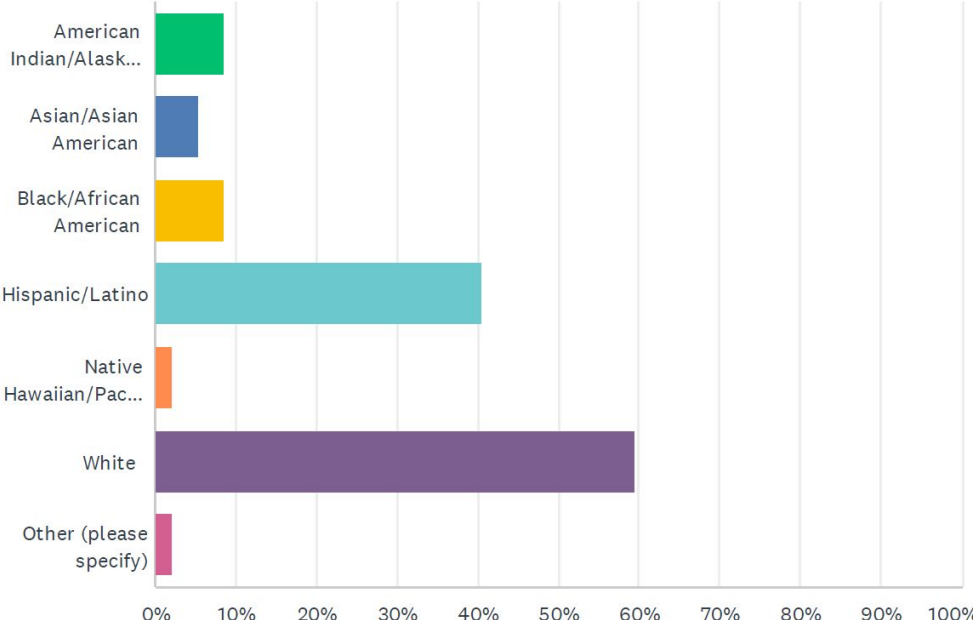
Q26 Which of the following do you identify with?

Answered: 94 Skipped: 6



Q27 Which of the following best describes you? (Select all that apply)

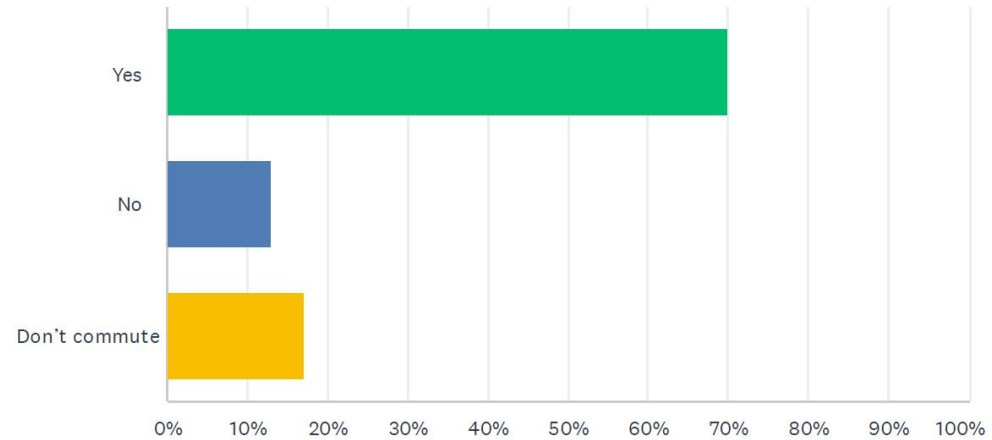
Answered: 94 Skipped: 6



Trip Purpose

Q3 Do you plan to ride your e-bike to commute to work and/or school?

Answered: 100 Skipped: 0



ANSWER CHOICES	RESPONSES	
The program has enabled me to take less VEHICLE trips	77.66%	73
The program has enabled me to live a healthy, active lifestyle	90.43%	85
The program has provided me a sense of community	50.00%	47
The program has saved me commute/travel time	41.49%	39
Other (please specify)	14.89%	14
Total Respondents: 94		

Pilot Program Goals

- Reduce car trips
- Connect to regional transit
- Increase access and opportunities
- Build community around active transportation
- Increase bicycle safety and awareness



Program Launch & Participant Onboarding

- Applications opened November 2022
- 1,500 applications received
- Screening and bike distribution



Screening & Enrollment Process

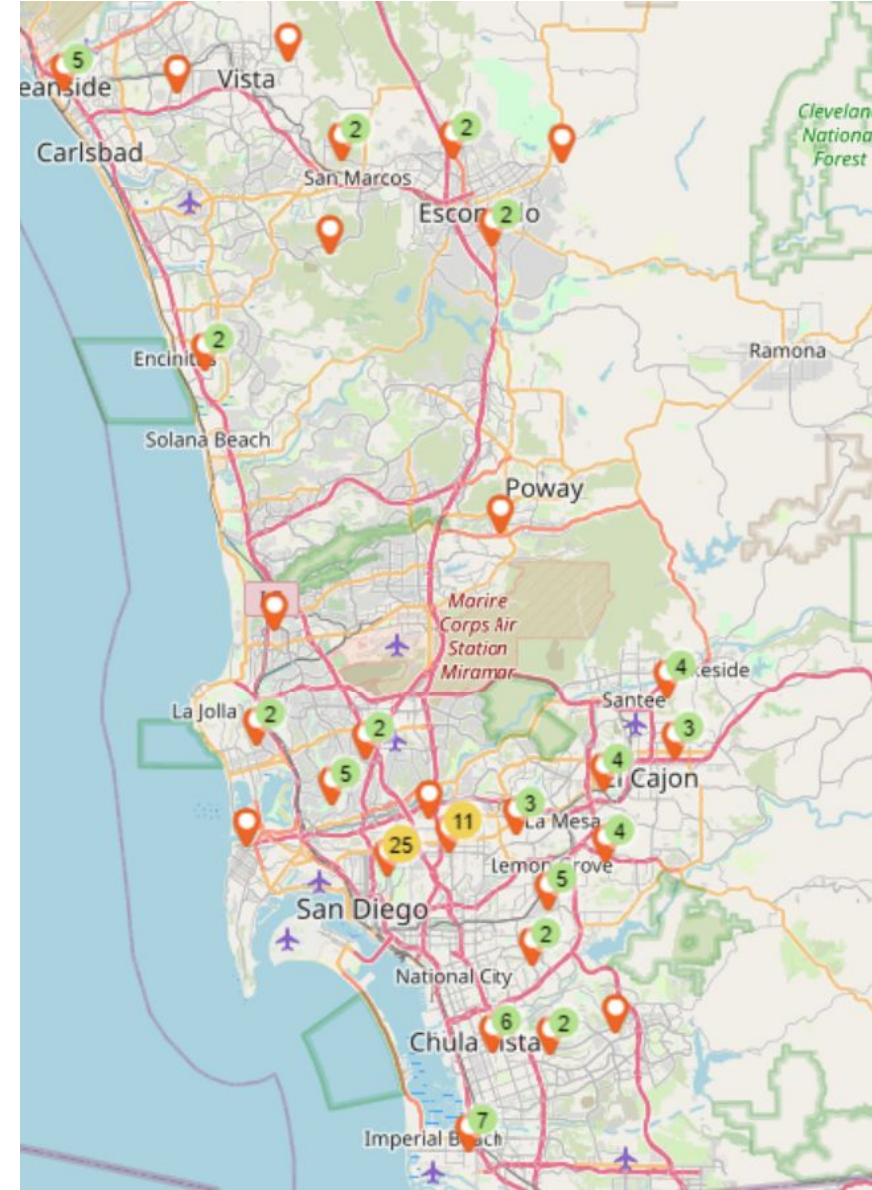
1. Completed Application

Screening Criteria


- Age range: 18-75 years old
- Low income: (less than \$50,000 annual income)
- Applicants living in AB-805 Zip code areas
- 15 minute e-bike to transit access shed
- Up to 2 year commitment & data sharing
- Insurance requirement

2. Orientation with Selected Participants

3. Bike Distribution



Building Community on Strava



Pedal Ahead SD County San Diego, California

Dedicated to Mental, Physical and Environmental Health...in partnership with SANDAG we are providing over 125+ e-bikes throughout San Diego county.

Club Leaderboard **Recent Activity** **Members** **Posts** **NEW**

Last Week's Leaders

Distance	Longest Ride	Climbing
FE-3000179 G	183.8 mi	50.6 mi
JT-C1244T_	180.3 mi	33.7 mi
KF-C1190T F	129.4 mi	30.1 mi

This Week's Leaderboard

Rank	Athlete	Distance	Rides	Longest	Avg. Speed	Elev. Gain
1	JT-C1244T_	19.3 mi	3	9.4 mi	10.8 mph	748 ft


Invite Athletes to This Club

115 members **Learn**

Share Pedal Ahead SD County's Rides!

JT-C1244T_ Monday, October 23, 2023 at 8:55 PM • Edited

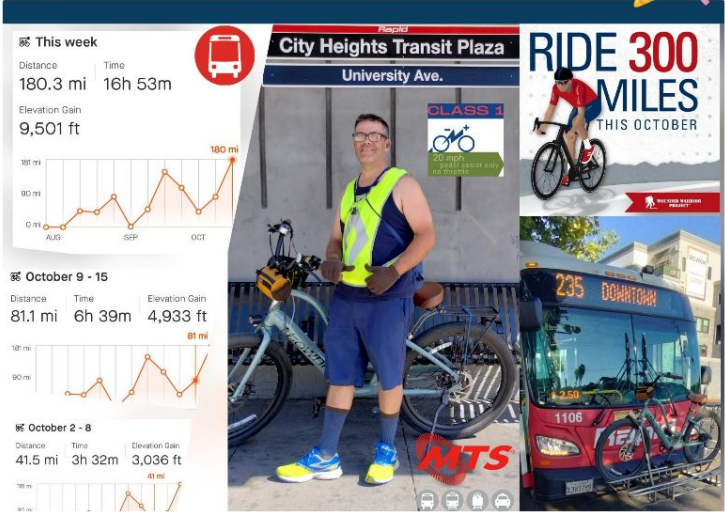
Hi Team,
I am so thankful for this ebike, I never thought I would be able to bike up Texas St. from Mission Valley. Just threw the Townie into 2nd and 1st and it was awesome. The bike lane is partitioned off, too!
This is gonna be my last post for a little while. Thanks for letting me share my story through October. I have a lot of great examples of how the ebike helps me, as a veteran, for my doctors and clinical people at the VA.
I look forward to seeing you at the next meetup. I think October 28th. All the best, James



CLASS 1
20 mph pedal assist only no throttle

PEDAL AHEAD

JT-C1244T_
October 22, 2023 at 5:26 PM
Nobody or nothing can take away the miles we put it!!



This week
Distance: 180.3 mi | Time: 16h 53m | Elevation Gain: 9,501 ft

October 9 - 15
Distance: 81.1 mi | Time: 6h 39m | Elevation Gain: 4,933 ft

October 2 - 8
Distance: 41.5 mi | Time: 3h 32m | Elevation Gain: 41 mi

4 kudos • 1 comment

SN-C0259S N
congratulations! great job!
2 likes

Participant Testimonials



"[I'm looking forward to riding] around my neighborhood, I have quite a lot of trails that I can ride. I can ride all the way to Mission Valley on some of the trails from where [I live]. They have extended the bikeways and I'm looking forward to checking them out again."

— Crystal B., City of El Cajon

Participant Testimonials & Bike Distributions



"I haven't driven a vehicle for about two years. I commute by bus, I walk, I take the Trolley. I just really felt that this would be an opportunity to make all of that little bit easier, a little funner. I do see a lot of bike lanes being added to the city streets and I kind of wanted to know what it was about and I wanted to be able to utilize them [...]. I'd like to be able to use [the e-bike] to ride to the Trolley station, from the Trolley I'd like to bike to my work. That would really save me time."

— Heather, City of San Diego

Bike Education & Maintenance Classes

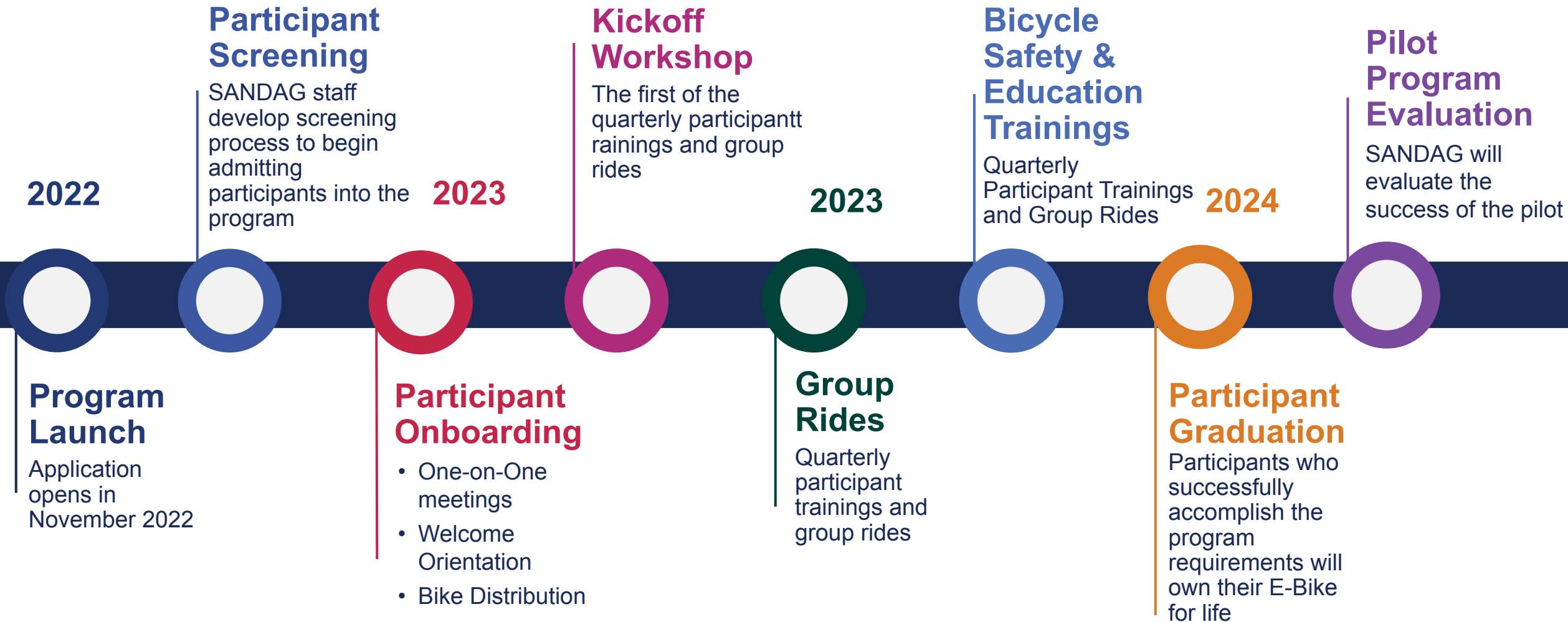


- Bike Commuting 101 & 202 Classes
- E-Bike Safety Class
- Bike Friendly Driver Class
- Bike Maintenance Quick Checks with local bike mechanics

Group Bike Rides



2-Year Program Timeline



Lessons Learned

- Demand for bikes is high; criteria for selection needs to be justifiable and well documented
- Participant enrollment process took longer than expected
- Insurance requirement was a barrier for some participants
- Anticipating bike accommodations for people with special needs
- Obtaining individual Strava data was a challenge because it was not authorized during sign up
- Participants get flat tires a lot, identifying solutions is important
- Helping participants reach their goal and get back on track takes staff time
- Organization & tracking is important to the overall administration of program

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