

Washtenaw 2030
Transportation Survey Results
Graham Scholars Team

Meet the Team



Lily

Data Science



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Data Science



Cat

Business



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Economics &
Environment



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Chemical
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Results:



How many days per week did you **commute** in 2024?

Average:

4.2 days

Most Common

Response:

5 days



How many days per week did you **work from home** in 2024?

Average:

0.7 days

Most Common

Response:

0 days



How many miles was your **round-trip commute** to work in 2024?

Average:

24.93 miles

Minimum Distance:

0.1 miles

Maximum Distance:

140 miles

Carpooling



16.6% Carpool to Work

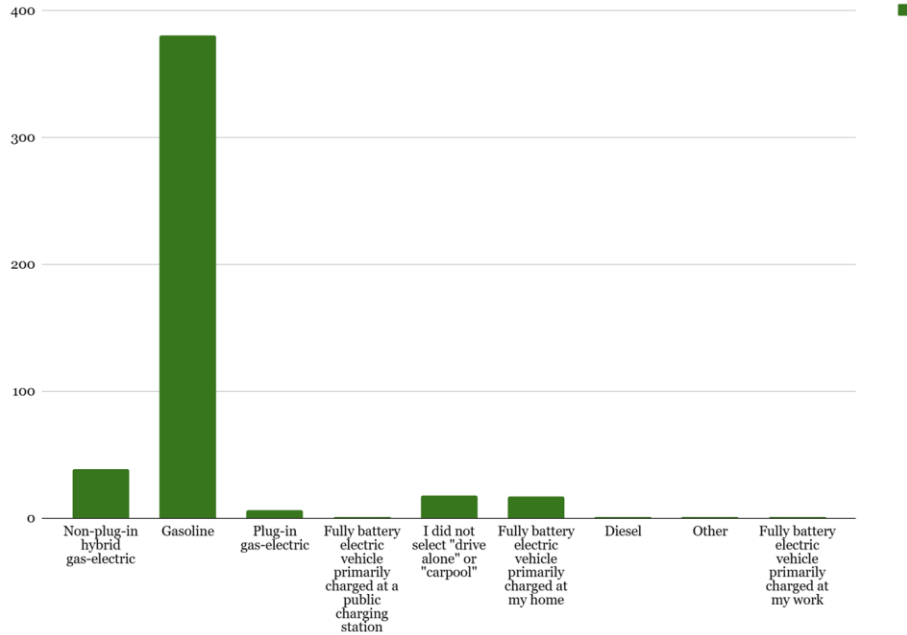
*77/465 Respondents said they
carpooled to some extent in
2024*

*Most carpoolers ride with **1 other passenger.***

*There is an average of **1.4 passengers** per respondent that carpools*



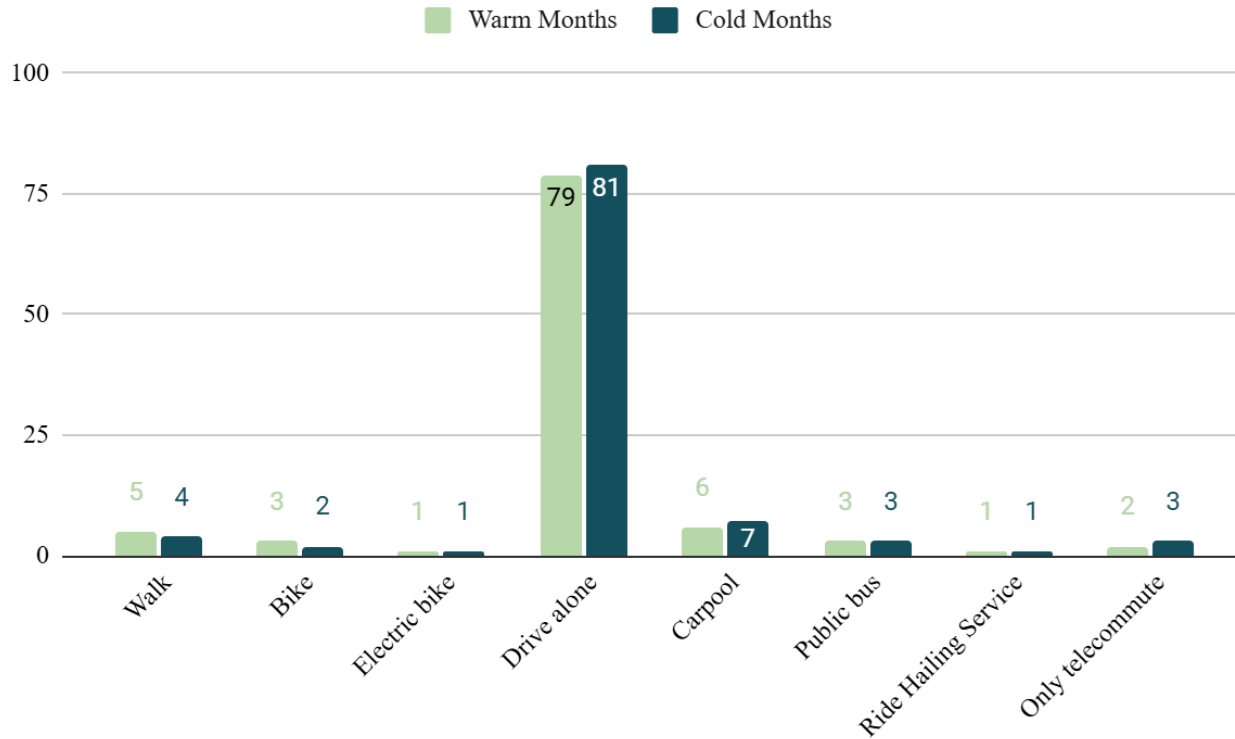
What is the **fuel type** for your vehicle?



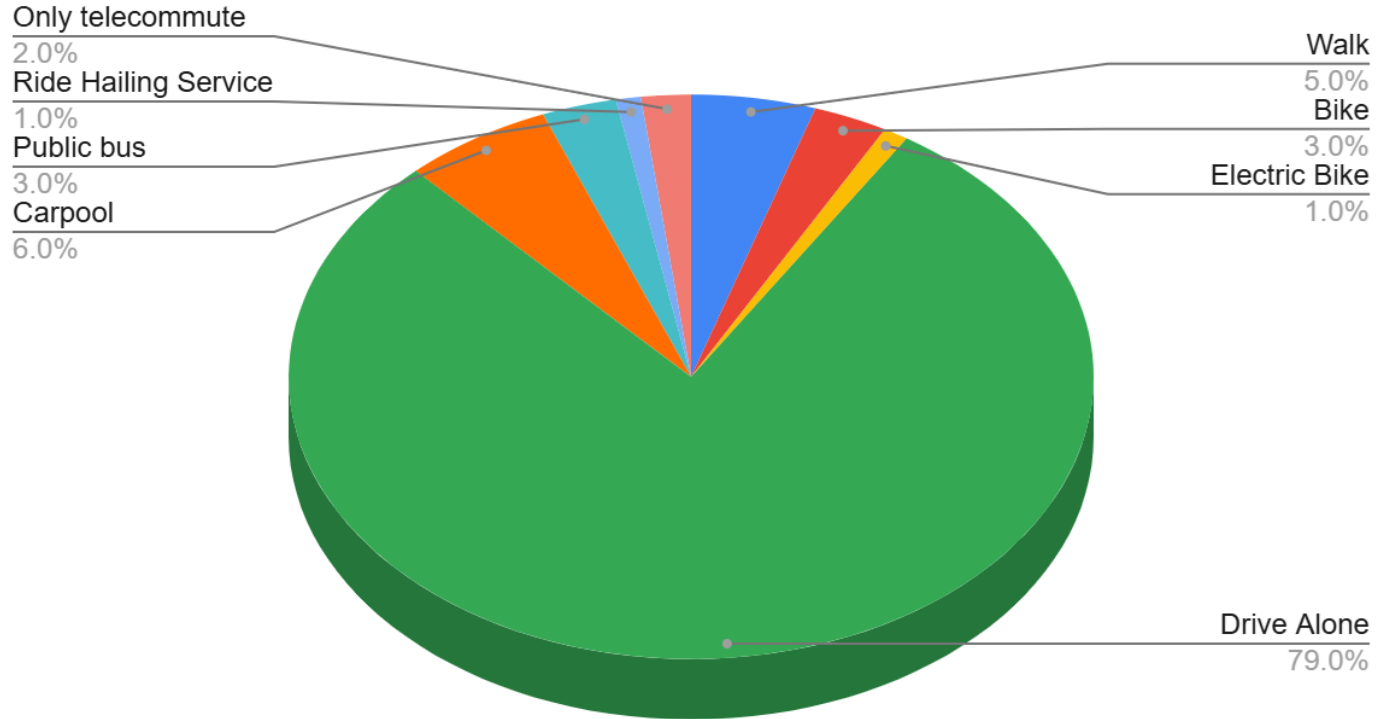
*Of those who carpool or drive to work, most utilize **gas or hybrid** means of energy.*

Gasoline	81.9%
Non-plug-in hybrid gas-electric	8.4%
Neither "drive" nor "carpool"	3.9%
Battery EV charged at home	3.7%
Plug-in gas-electric	1.3%
Battery EV charged at public charging station	0.2%
Battery EV charged at work	0.2%
Diesel	0.2%
Other	0.2%

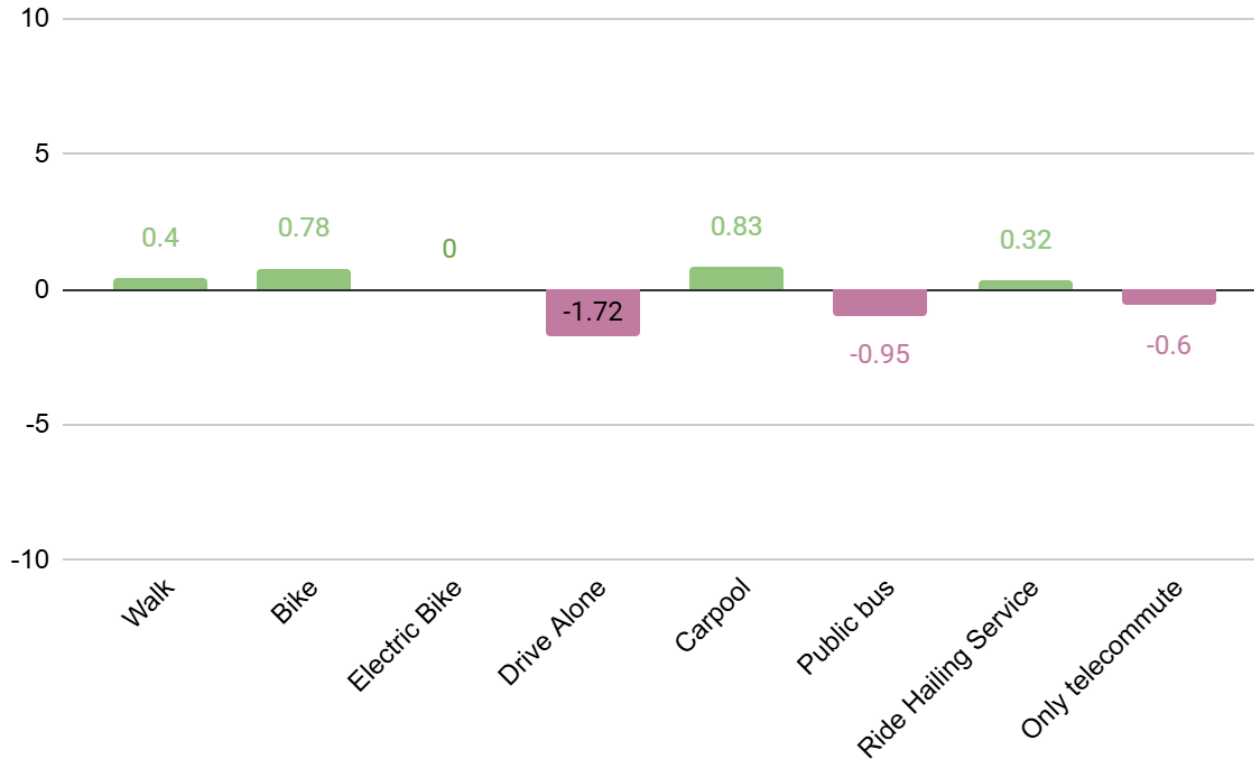
Average transportation mode split - warm vs cold months



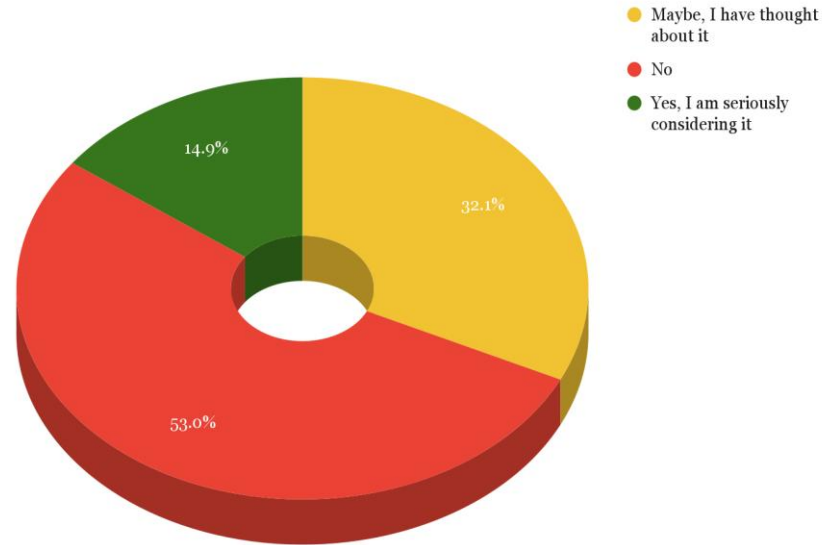
On average, in warm months, what percentage of time do respondents take certain transportation modes?



Transportation mode split trends compared to our 2023 survey

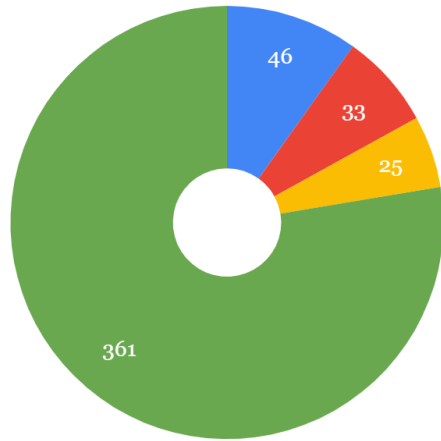


Are you planning on **purchasing an electric vehicle** within the next 5 years?



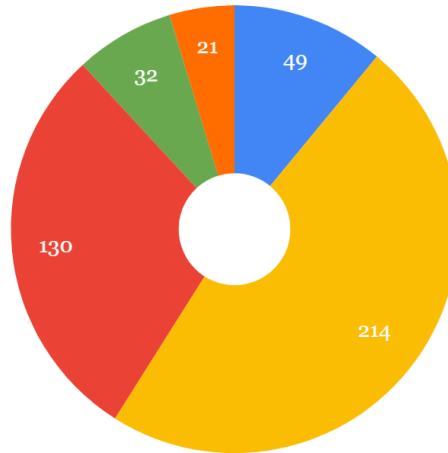
Over 50% of respondents said they **are not** considering buying an EV in the next 5 years.

Do you have access to **vehicle parking** at work?



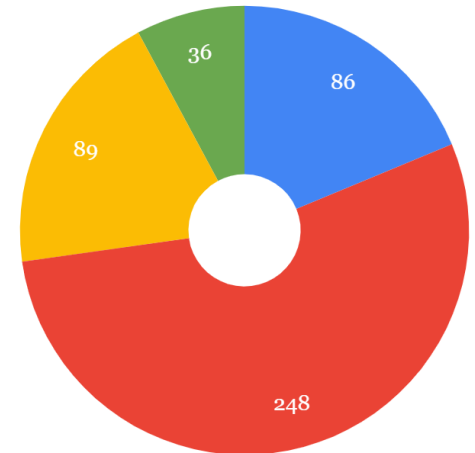
- Yes, I park on the street
- Yes, I have to pay for a lot/garage
- Yes, it's free or reimbursed in a lot/garage
- No

Do you have access to **bicycle parking** at work?



- Yes, indoor unlocked in workplace
- Yes, outdoor rack
- No
- Yes, outdoor covered rack
- Yes, indoor locked

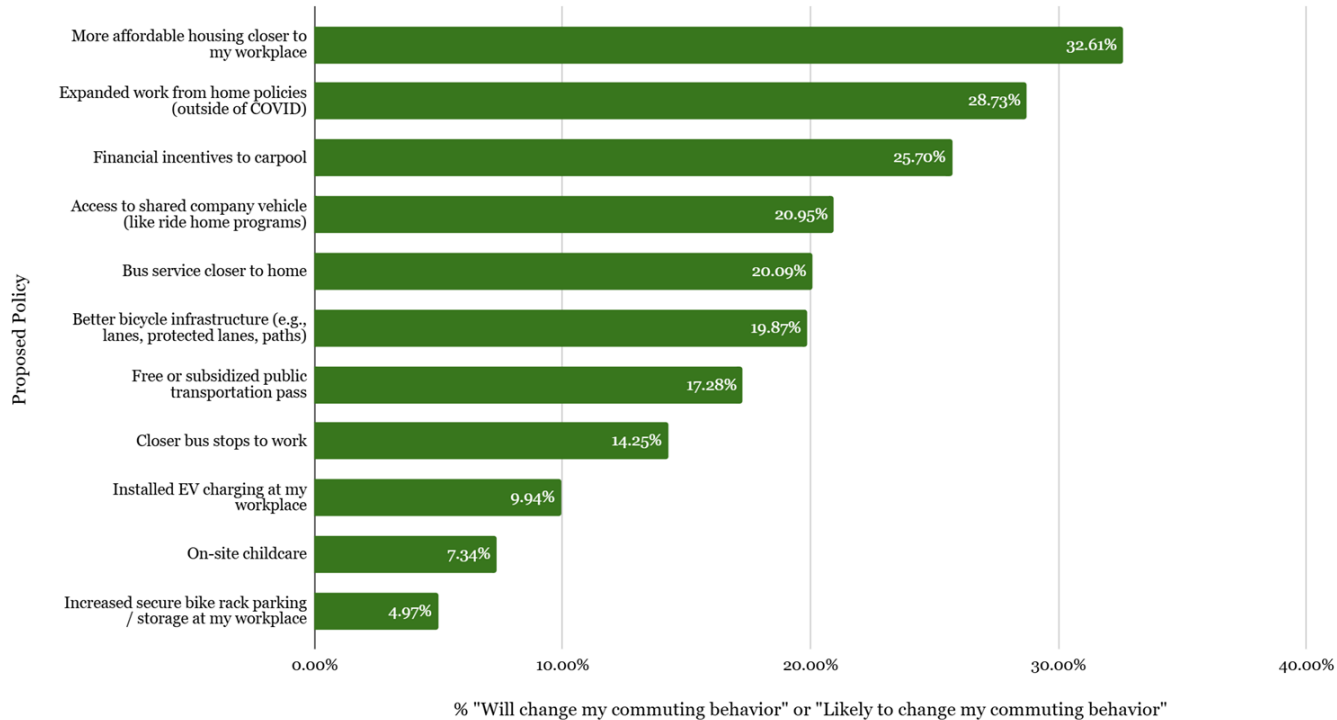
Do you have **EV charging stations** at work?



- No, but there is one within 3 miles of my work
- No
- Not sure
- Yes

Consider the following policy proposals and respond with how you think each would **impact your commuting decisions** if implemented.

Proposed Policies Most Likely to Influence Commuting Behavior



Summary of common feedback

1. Public Transportation Limitations

- Multiple respondents cited issues with **infrequent bus service, indirect routes, and long commute times.**
- Lack of **proximity to stops** and routes not serving outlying or rural areas effectively.
- Winter conditions make bus stops and bike-bus connections **less accessible or unsafe.**
- Suggestions included:
 - **More frequent and faster bus routes.**
 - **A light rail system** for improved regional connectivity.
 - Closer and more direct access to public transportation would **significantly alter commuting behavior.**

Summary of common feedback

2. Inadequate Survey Design & Question Clarity

- Many felt that the survey lacked:
 - **Multiple-choice capabilities** for questions involving multiple vehicle types or commuting modes.
 - Clarifications on how to respond when carpooling (e.g., counting yourself vs. total riders).
- Some questions were **confusing or poorly worded** (e.g., using “telecommute” vs. “work remotely”).
- The **user experience was suboptimal on mobile**, and navigation on some questions was difficult.

3. Housing Affordability & Commuting Distance

- Several respondents commute long distances (up to 35 miles) because **housing in or near Ann Arbor is unaffordable**.
- This makes biking, walking, or taking the bus **impractical** for many.
- There’s a strong call for the city to consider **regional workers’ needs** rather than focusing solely on Ann Arbor residents.

Summary of common feedback

4. Barriers to Carpooling

- Carpooling was noted as **desirable but impractical** due to:
 - **Varying work schedules.**
 - **Coworkers living in different cities.**
- Indicates the need for **flexible or dynamic ride-sharing solutions** rather than static carpools.

5. Cost & Access to Electric Vehicles (EVs)

- EVs were seen as financially out of reach for many.
- Even for those with EVs:
 - **Limited charging infrastructure** at workplaces discourages further adoption.
 - Competition for chargers makes it **less likely for others to switch to EVs.**
- Some respondents were **uncertain how to answer EV-related questions** due to complex access situations.

Summary of common feedback

6. Multi-Modal & Flexible Commuting Patterns

- Several respondents **switch modes depending on the day or needs**, e.g., driving when transporting kids, walking or biking when feasible.
- The survey did not adequately account for **this daily variability** in transportation behavior.

7. Biking & Walking Limitations

- While some walk or bike when possible, barriers include:
 - **Unsafe bike lanes in winter** due to snow and ice.
 - **Lack of safe crossings** in high-traffic zones like highway ramps.
- Need for better **year-round bike infrastructure** and **pedestrian safety** enhancements

Summary of common feedback

8. Work-Related Driving Needs

- Some respondents need to drive during the workday for:
 - **Errands, meetings, or appointments** across Ann Arbor.
 - Carrying **items or needing trunk space**, making alternatives unfeasible.

9. Comments on Broader City Policy & Implications

- A few respondents expressed concern that the city's transportation and emissions approach:
 - **Ignores non-residents** who work or spend in the city.
 - Could drive businesses and skilled workers **away from the city** due to increasing restrictions on driving and parking.