

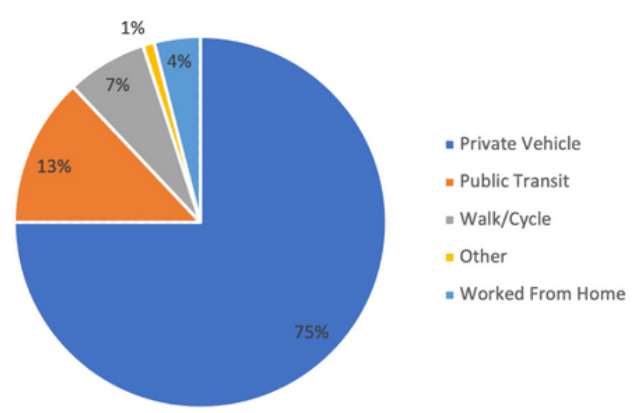
Ride, Roll and Stroll

Energy Revealed
Learner Handout
Grade Level: 4-7



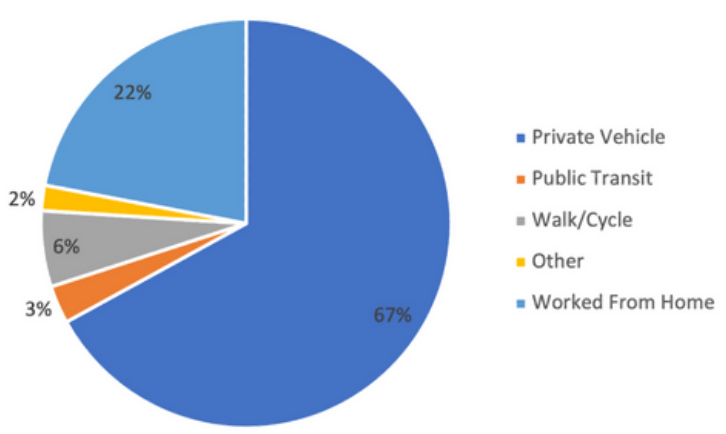
Data & Facts About Transportation Use Handout

Transportation to Work in Canada Prior to the COVID-19 Pandemic, 2018



Source: Statistics Canada, 2020-08-10, <https://www150.statcan.gc.ca/n1/daily-quotidien/200810/dq200810a-eng.htm>

Transportation to Work in Canada During the COVID-19 Pandemic, June 2020



Source: Statistics Canada, 2020-08-10, <https://www150.statcan.gc.ca/n1/daily-quotidien/200810/dq200810a-eng.htm>

Preferred Mode of Canadian Commuters

In a survey, Canadians were asked how they felt about their modes of transportation to work. These fractions represent how many Canadians said they **liked** a mode of travel.

Bicycle:	11/20
Walk:	12/20
Car:	8/20
Transit:	5/20
Car + Transit:	4/20

Data source: SB Bicycle Coalition, based on Statistics Canada General Social Survey, 2005

1. How do you think Canadians' mode of transportation to work changes compared to the warmer versus colder months?

Data & Facts About Transportation Use Handout

- A single public bus takes 40 vehicles off the road during rush hour, saves 70,000 litres of fuel, and reduces air pollution by nine tonnes each year.
- A typical SUV uses almost twice the fuel and releases nearly twice the emissions of a modern station wagon, although both seat the same number of passengers.
- About 3/4 of Canadians agree that physical exercise helps reduce stress and risk of heart disease.
- Each year, the average Canadian makes 2,000 car trips for distances of less than 3 km.
- In many parts of Canada, car sharing may be among the most promising and cost-effective way to reduce vehicle use.
- Motor vehicles produce more air pollution than any other single human activity.
- On average, someone who takes the bus to work every day instead of driving keeps 800 pounds of carbon dioxide out of the air each year.
- The air we breathe inside our cars can be up to 10 times more polluted than the air outside!
- The average person spends 32 hours a month driving and 27 hours a month working to pay just for the use of their car!
- Transportation of freight and people make up 38% of Canada's greenhouse gas emissions
- Cycling is more common in Quebec (48%) and Manitoba (46%) than in the rest of Canada. It is less common in the Atlantic Provinces (from 18% in Newfoundland and Labrador to 32% in New Brunswick), Saskatchewan and Ontario (both 38%), and Nunavut (23%).
- Walking-oriented European cities devote less than 10% of their land to transportation, while automobile-oriented North American cities devote as much as 50% of their land to roads and off-street parking.