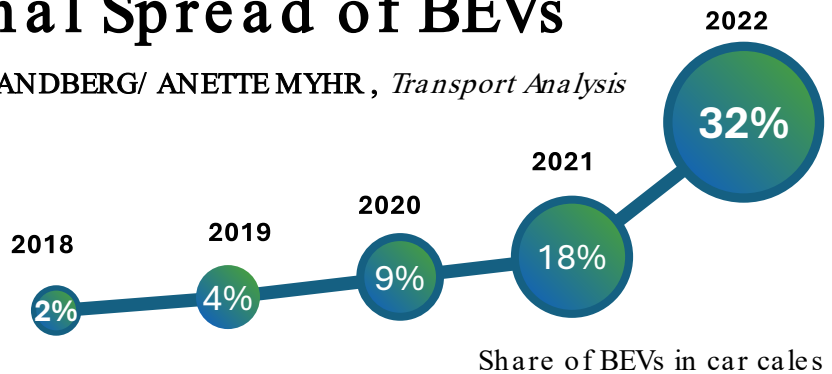


Electric Mobility in Sweden: Analyzing Consumer Behavior and Regional Spread of BEVs

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Electric, but not Equal

- Sweden's EV transition is accelerating, but adoption remains uneven among households
- High-income households in single-family houses dominate BEV ownership
- Low-income, rural, and apartment-dwelling households are underrepresented
- Leasing has improved access, but uptake remains socially and geographically skewed
- Targeted policies are needed to broaden participation beyond early adopters.

Data and method

We use linked registry data from Statistics Sweden covering all households and privately owned vehicles in 2016, 2020, and 2022. Our sample consists of 4.6 million vehicles and 4 million households, with geographic linkage. The dataset includes socio-economic characteristics, car ownership, leasing, and use of company cars.

Electric Vehicles Stay Urban: A Flow Analysis

We conducted a longitudinal flow analysis of BEVs registered in 2020, following their movement across geographic and ownership categories until 2023. Using municipal classifications, we found that most vehicles remained in metropolitan and dense mixed municipalities, with limited redistribution to rural or sparsely populated areas.