

# VMT in NTDS: Evaluation of Passenger Presence

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Sponsors:

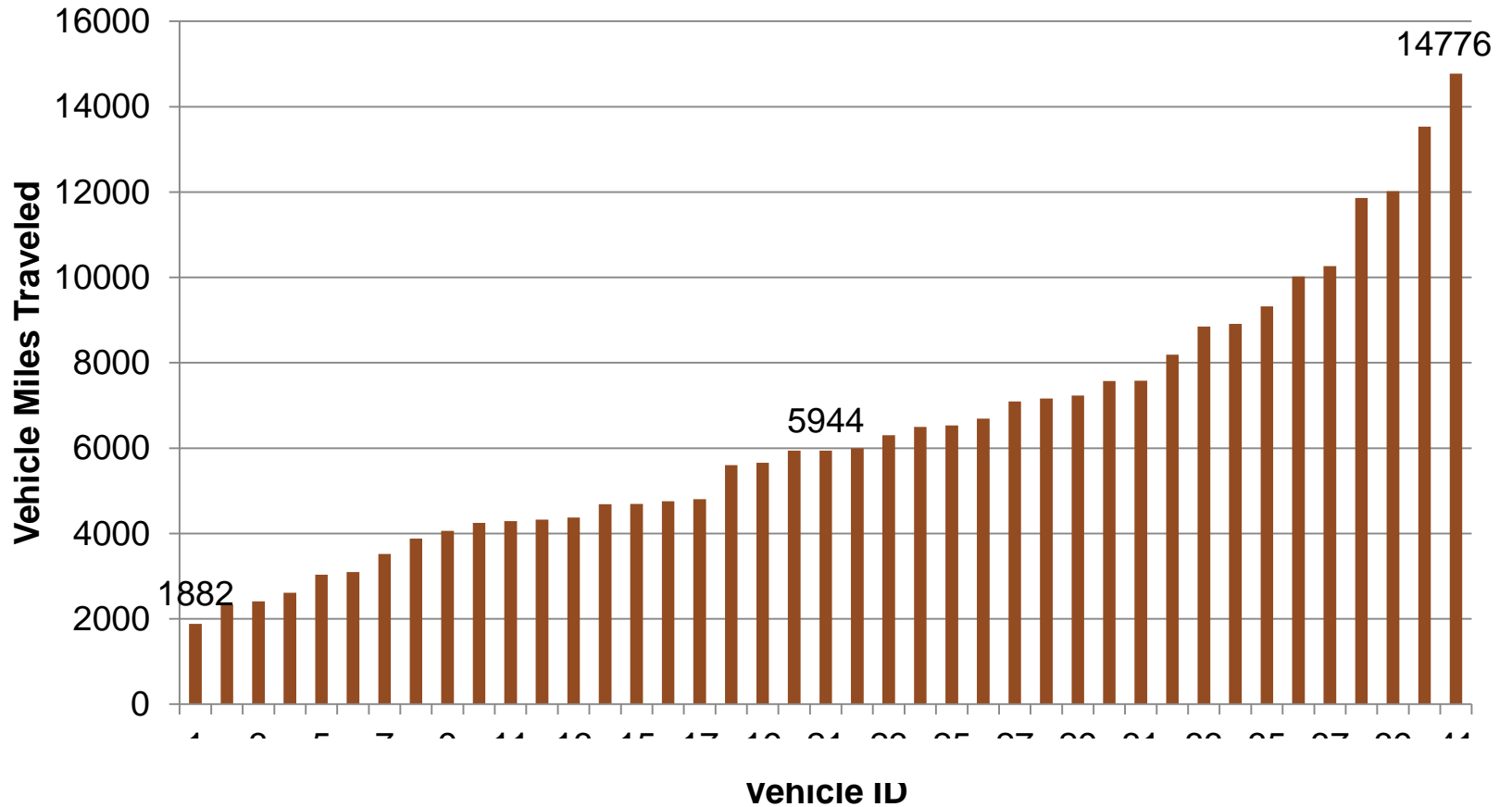
NICHD

NHTSA

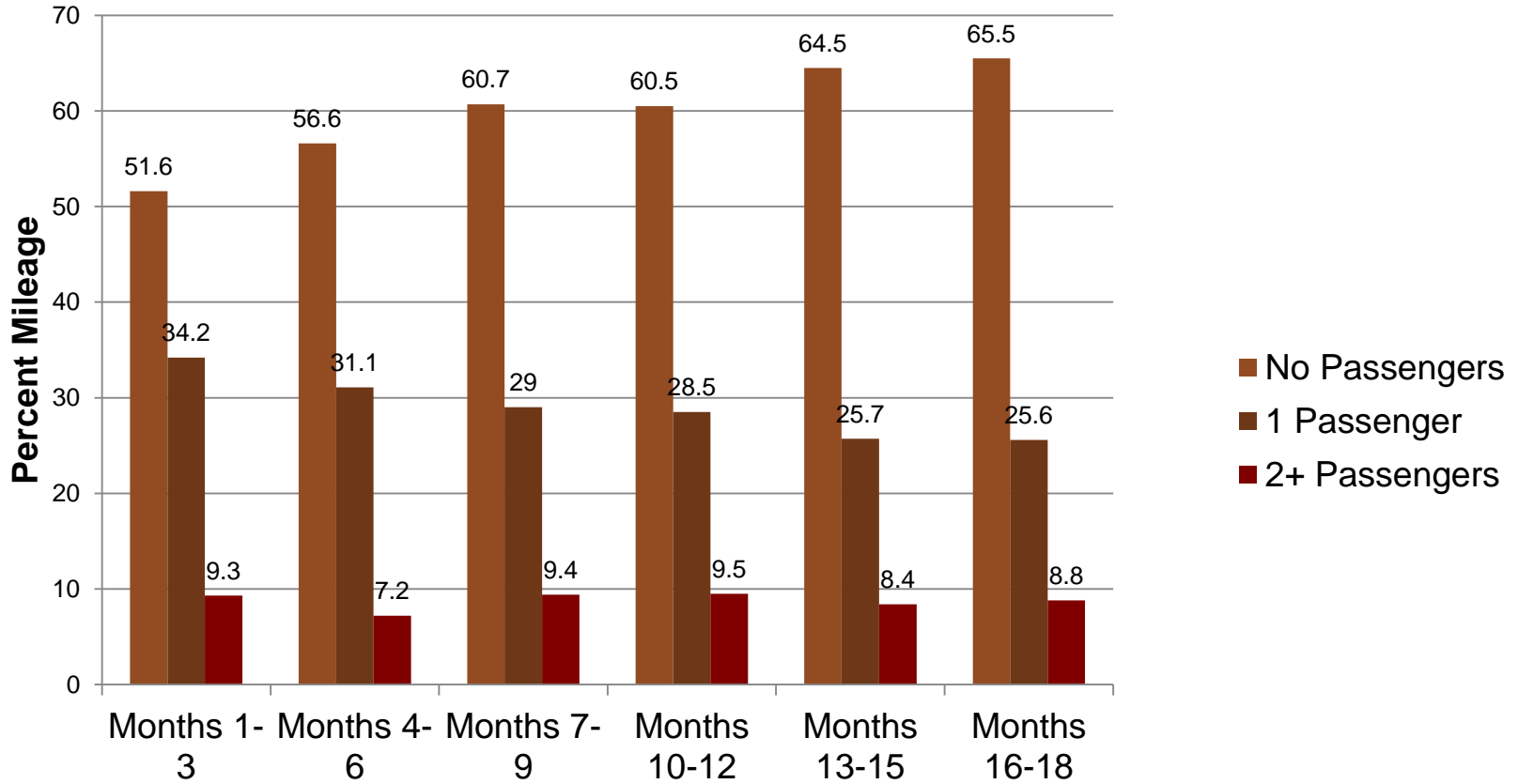
# NTDS: Method

- Instrument 42 private vehicles with highly capable data collection systems
  - Collect continuous data beginning within 2 weeks of licensure and continuing for 18 months
    - 25 teens 'own' vehicle/17 teens share vehicle with parents
    - 50% male/50% female participants
- 271,954 VMT for teenaged drivers (N = 41)
  - Minimum mileage = 1882.3 VMT
  - Maximum mileage = 14,776.1

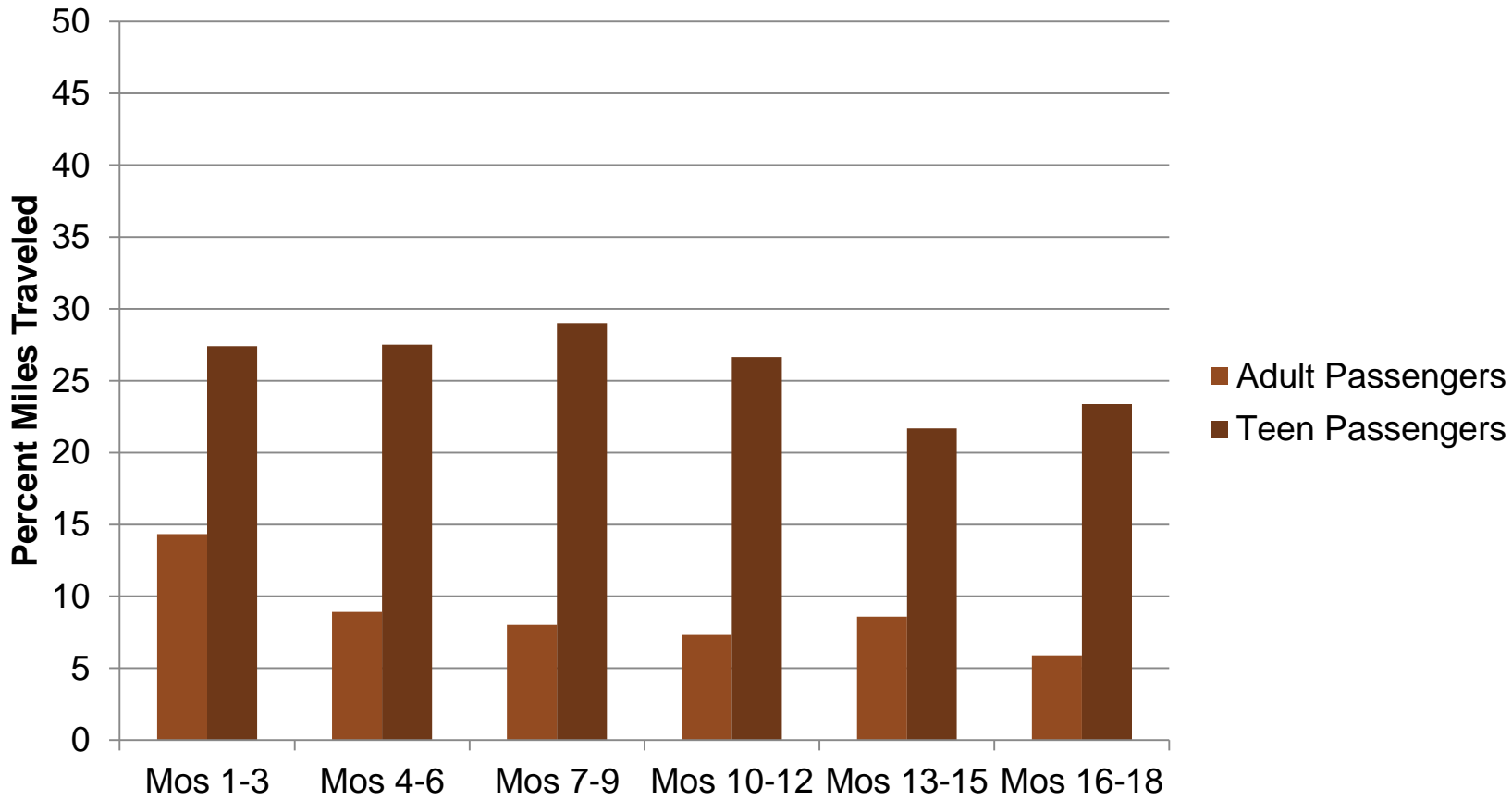
# Mileage for 18 Months



# Percent Teenage VMT



# Percent VMT by Passenger Type when at least 1 Passenger



# Conclusions

- Teenage VMT can vary by over 10,000 VMT over first 18 months of driving.
- Teenagers drive alone over 50% of VMT and with teenaged passengers roughly 25% of VMT.
- VA has multiple teen passenger restriction for first 12 months.
  - Teenagers have multiple passengers less than 10% and multiple teenaged passengers even less.
- Parents do not drive with their teens very often (< 10%) and it decreases over 18 months.