

# ***2017 Ontario Roadside Alcohol and Drug Survey***

A woman with blonde hair in a ponytail, wearing a white shirt and a high-visibility yellow and green safety vest, is leaning into the open driver-side window of a dark-colored car. She is looking towards the driver. The driver, a woman with dark hair, is looking at the surveyor and has a white object, possibly a breathalyzer, in her mouth. The background is slightly blurred, showing what appears to be a parking lot or street scene.

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# *Method*

- TC/CCMTA protocol
- Wed through Sat nights
- 9:00 PM to 3 AM
- 4 sites per night – 90 min each
- Set up survey site in parking lot
- 2 survey crews of 4-5 interviewers
- Police officer to direct traffic
- VOLUNTARY!



# Regions

- London
- Peel Region
- Renfrew County
- North Bay/Timmins
- Trenton/
  - ◆ Belleville (2014)
  - ◆ Peterborough (2017)



# ***Site Selection***

- **Define the full geographic area of study**
- **Place a numbered grid over area**
- **Randomly select the requisite number of sectors**
- **Identify acceptable locations within each sector**
- **Randomly select a location within each sector**
- **Obtain permission to use the site**





# ***Role of the Police***

- **Paid duty**
- **Direct traffic**
- **Officer does not speak to the driver unless the driver speaks to them or on our request**
- **Safety of crew and drivers**



# ***Procedure***

- **Begins with introduction and information card**
- **Record observables**
- **Few brief questions**
- **Breath test - Alcohol**
- **Oral fluid sample - Drugs**
- **Self-complete drug questionnaire**
- **Those with BAC>50 mg/dL provided safe ride home**



# ***Breath and Oral Fluid Samples***



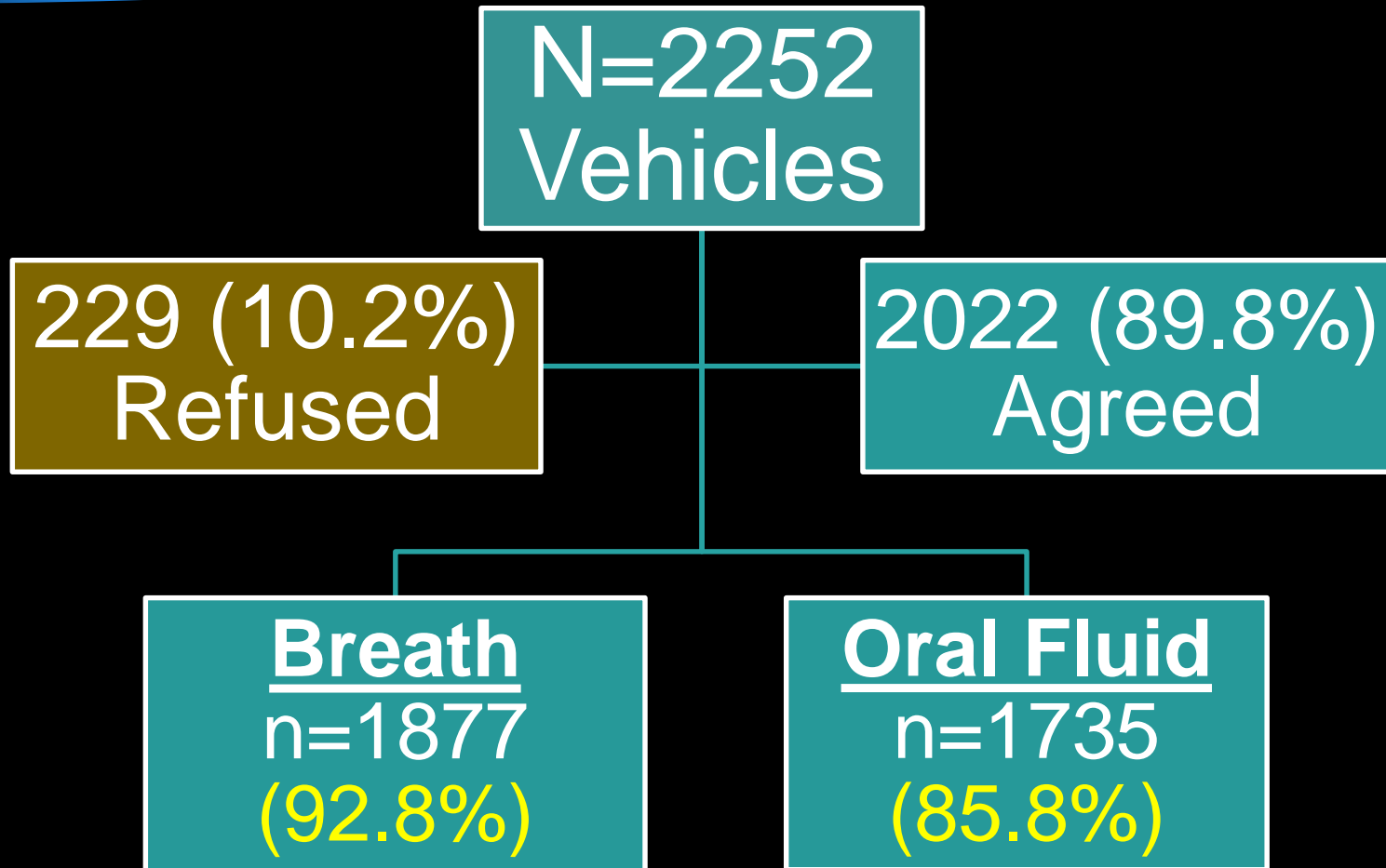


# ***Quantisal Oral Fluid Collection Kit***





# 2017 Participation Rates



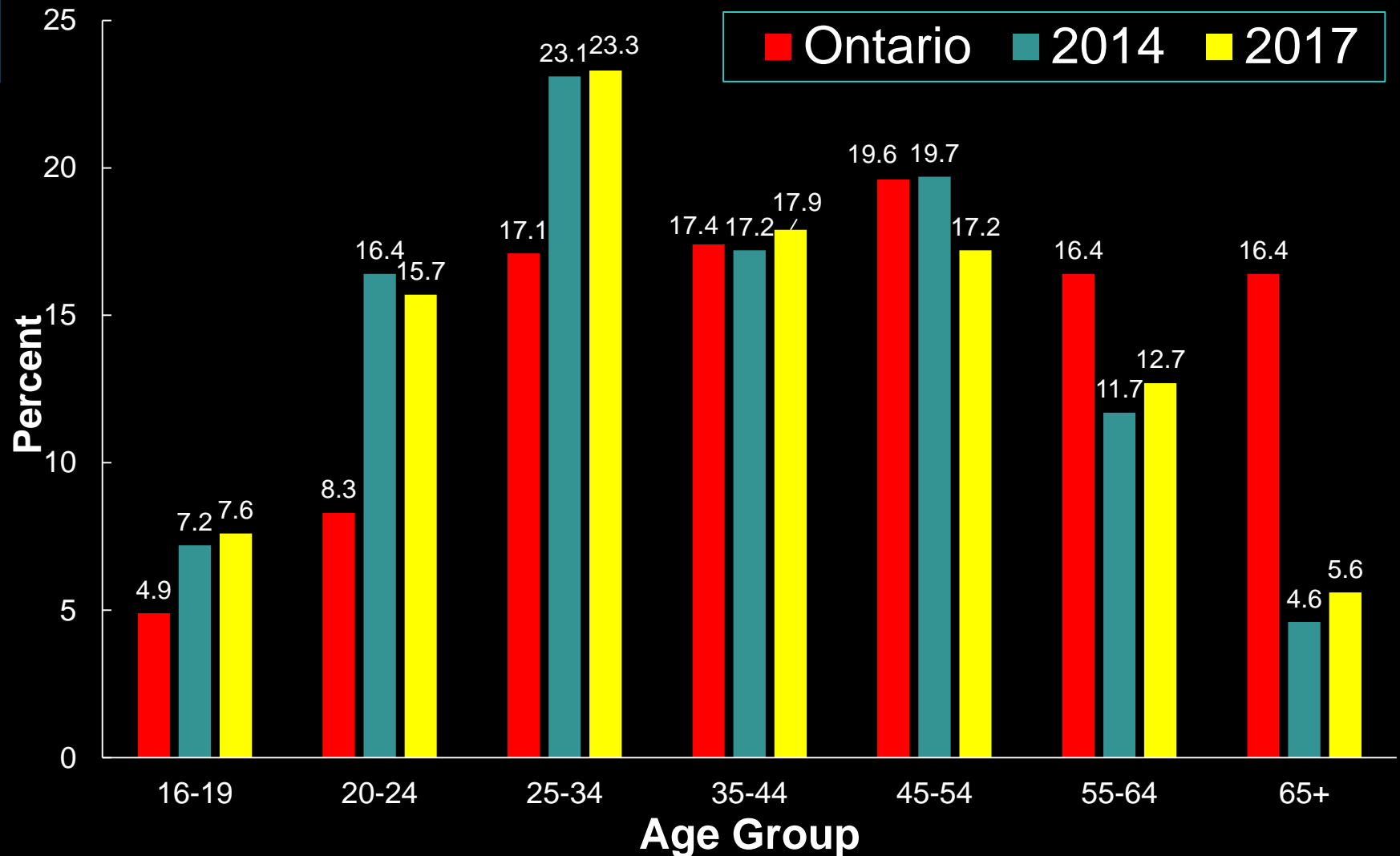
# *Characteristics of the Sample*

- Males – 66.4%
- Passenger cars – 55.8%
- Driver only - 58%
- G1 or G2 – 18.2%
- 76.7% 25 or older



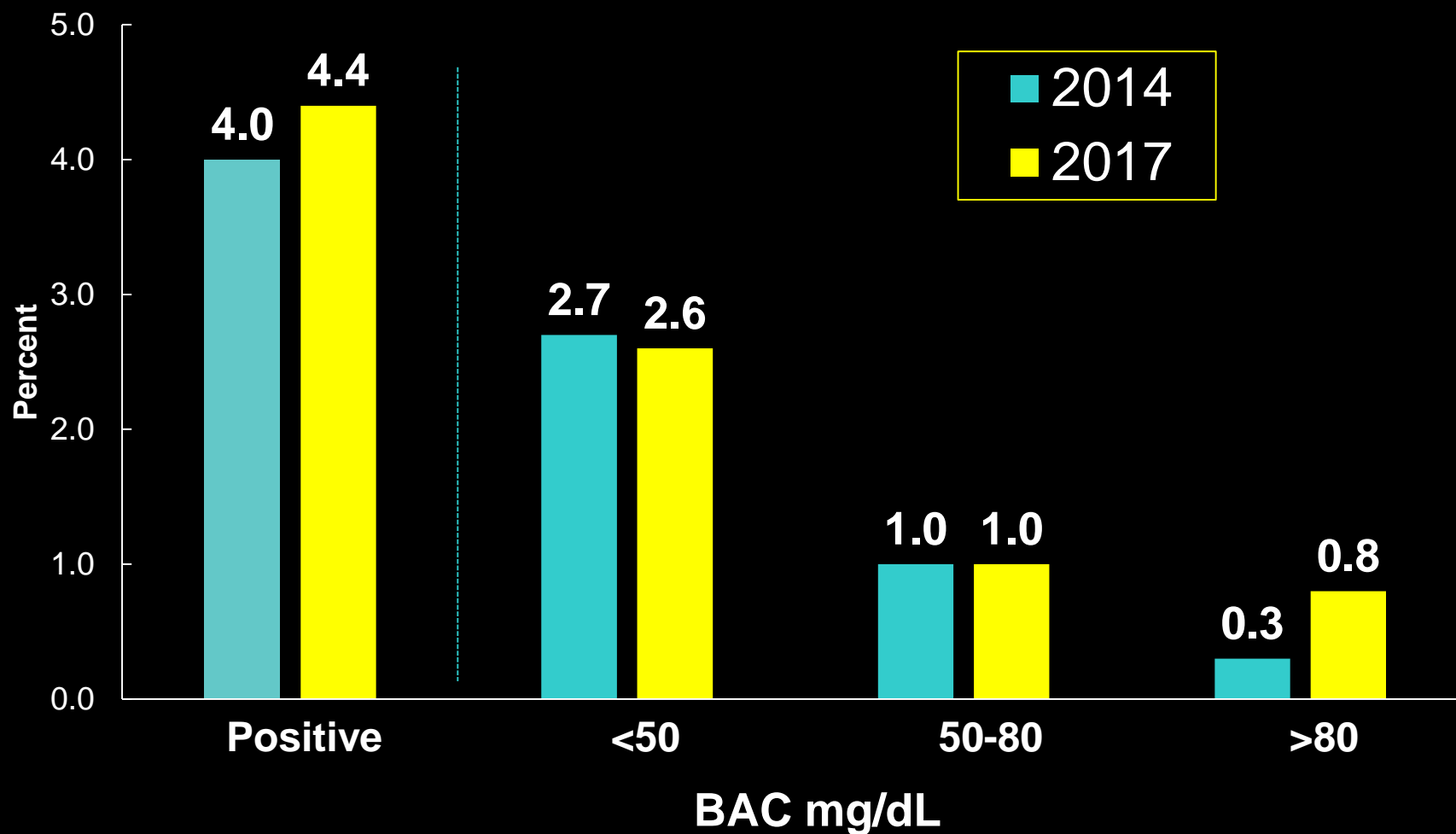


# Age Distribution of Roadside Samples and Population of Ontario Drivers\*

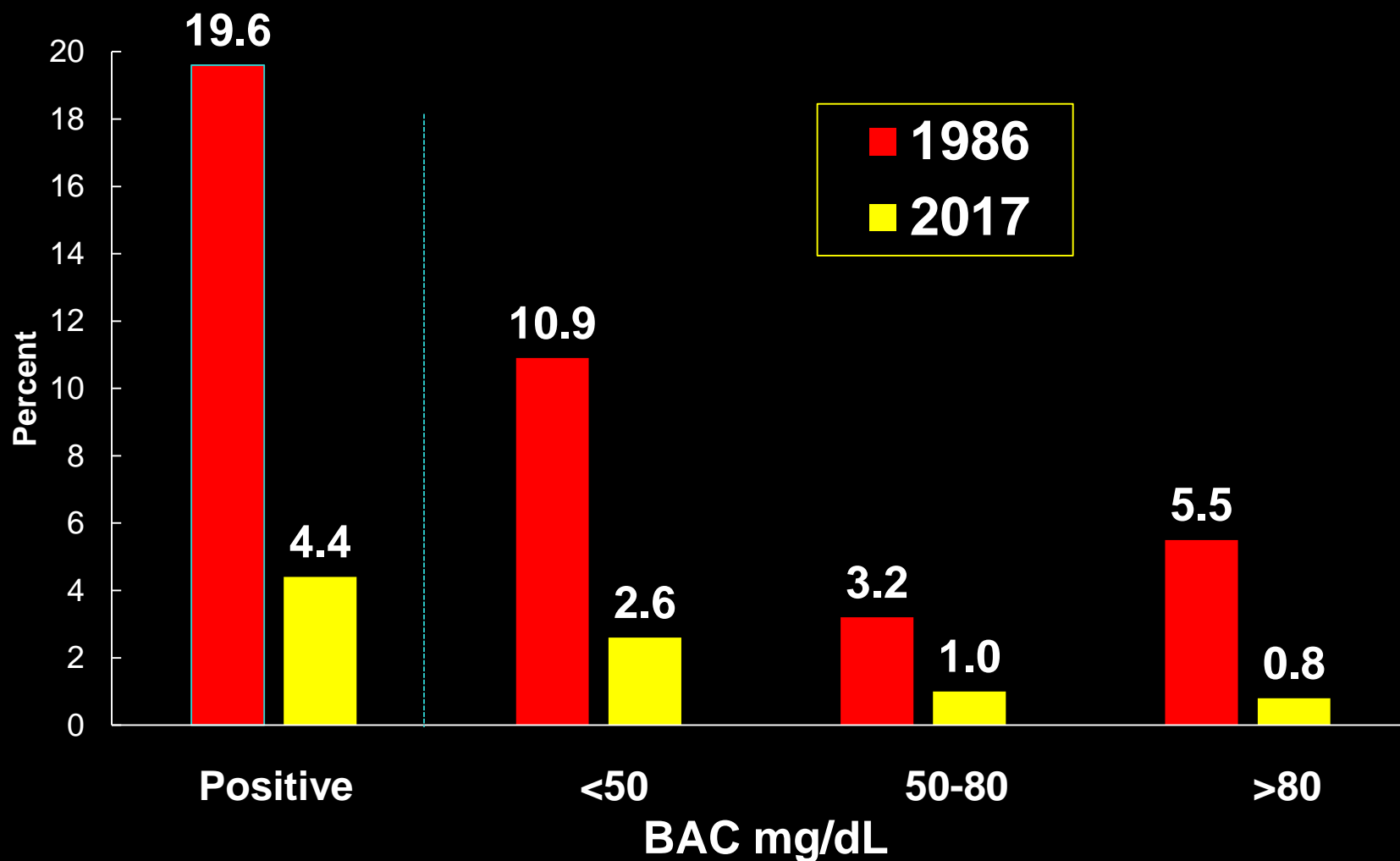


\* ORSAR 2014

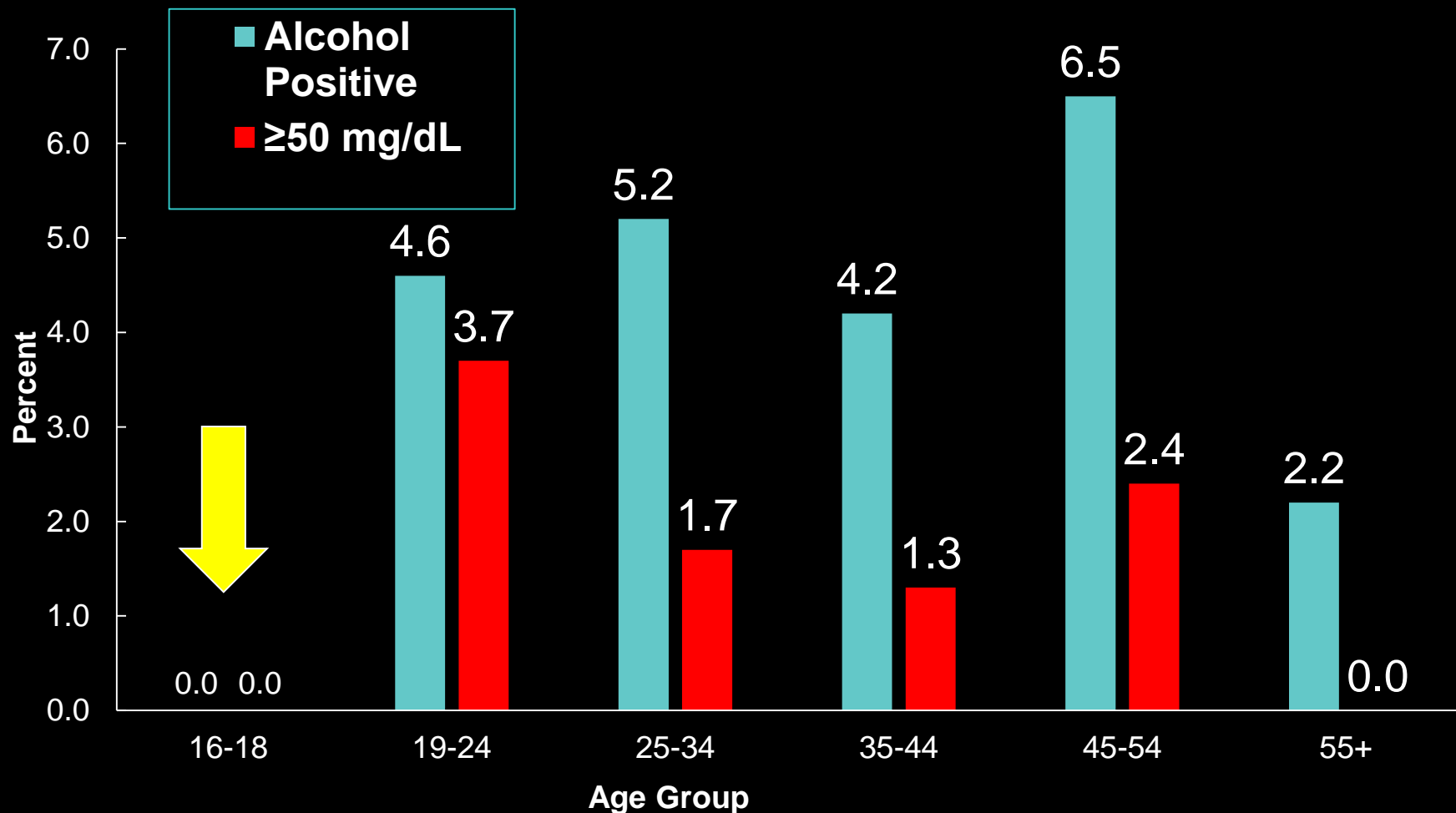
# ***BAC Distribution of Drivers***



# ***BAC Distribution ON (2017 & 1986)***

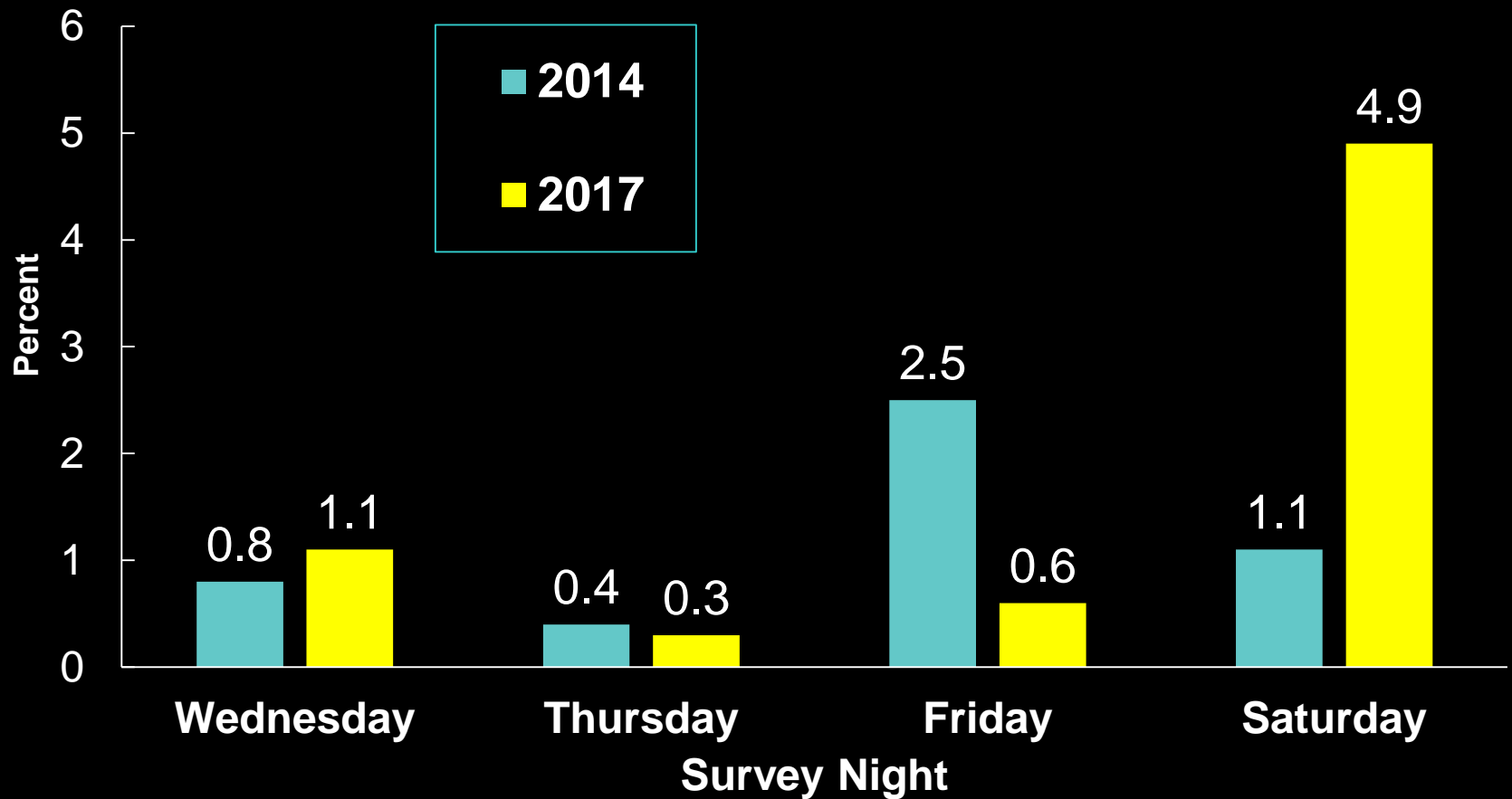


# *Positive BACs and BACs $\geq 50$ mg/dL According to Age*

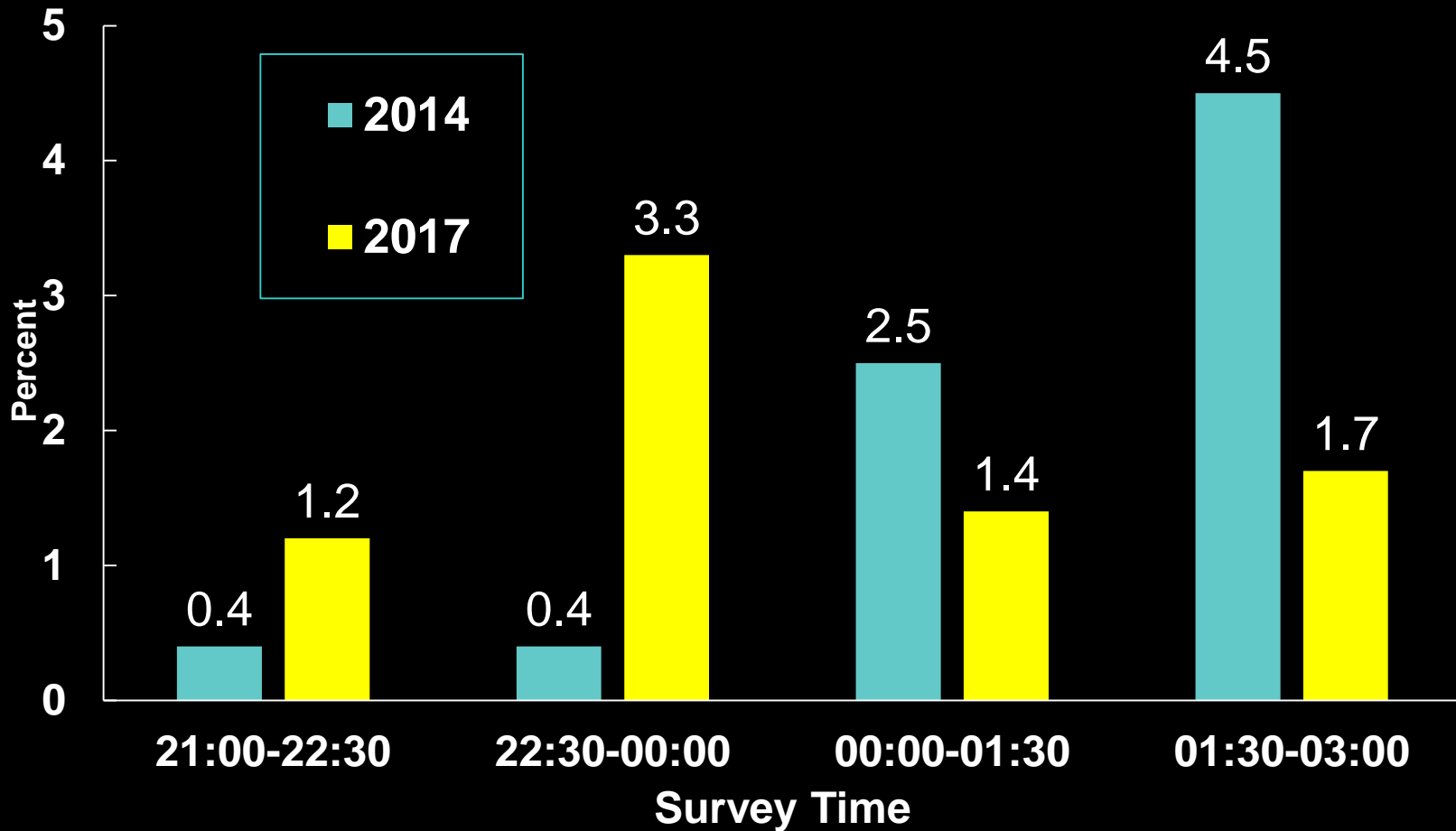




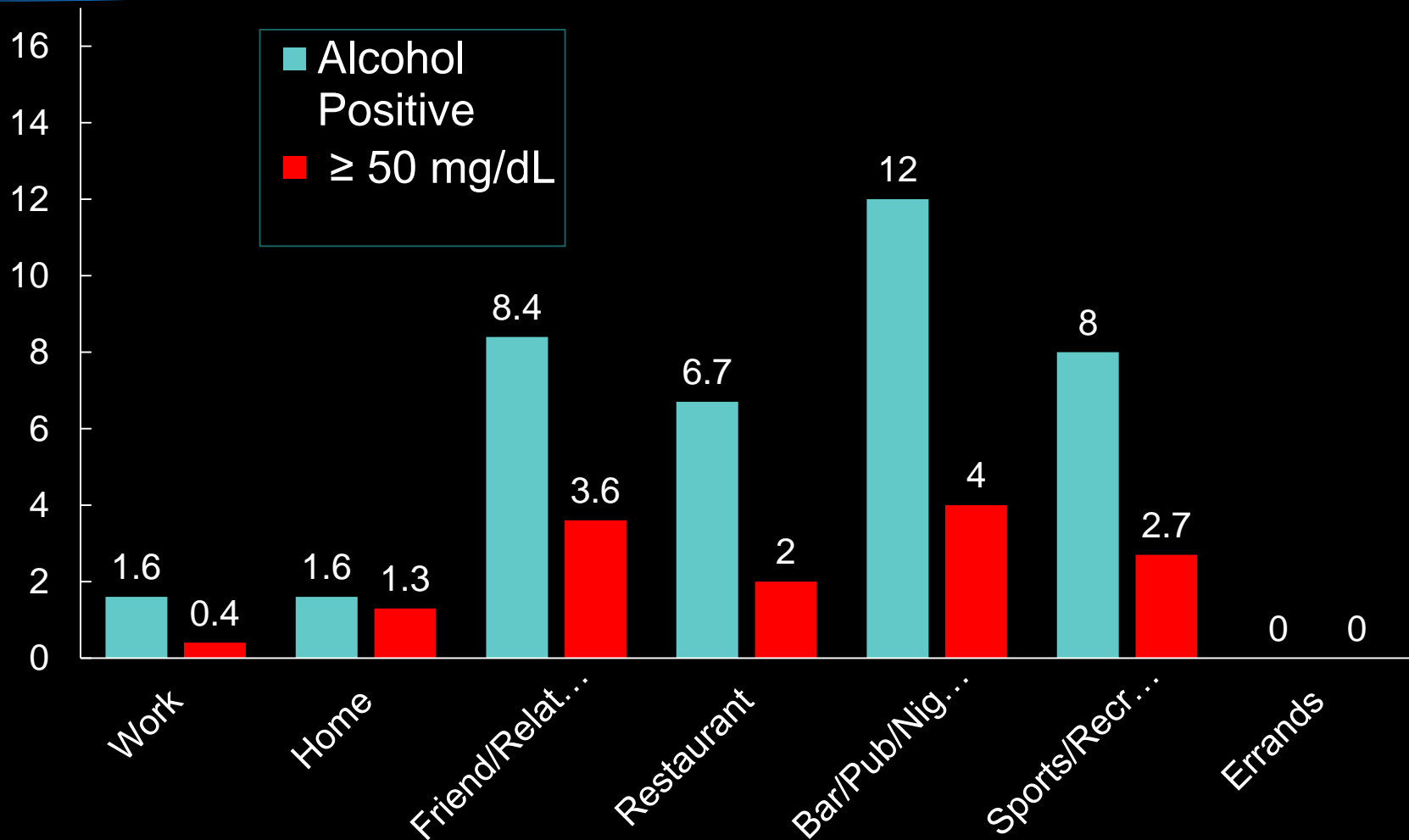
# ***BACs $\geq$ 50 mg/dL According to Survey Night***



# ***BACs $\geq 50$ mg/dL According to Survey Time***



# *Positive BACs and BACs $\geq 50$ mg/dL According to Trip Origin*



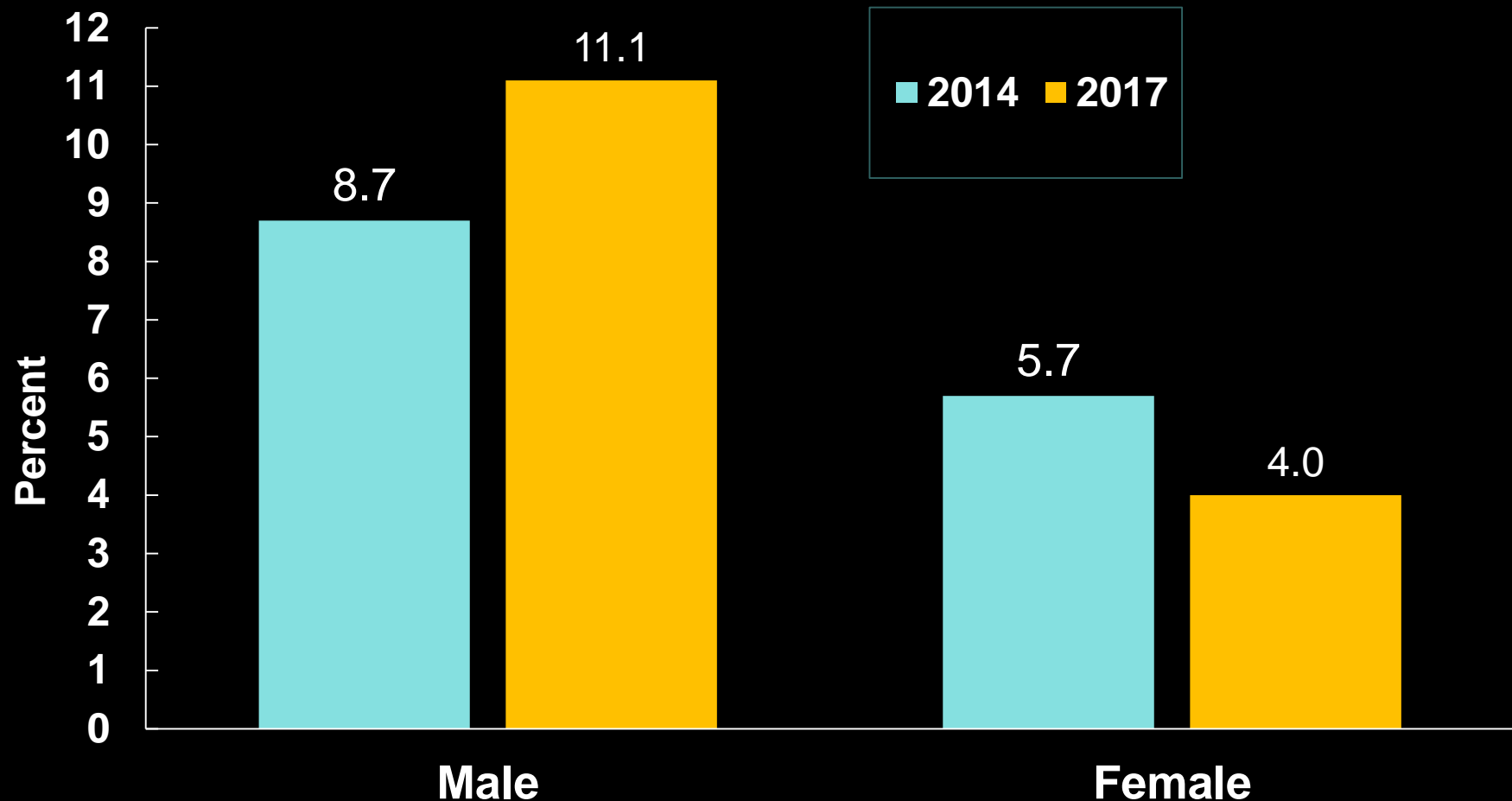
# Drugs

- 14.2% tested positive for drugs  
(Weighted 10.5%) (2014 - 10.2%)
- 10.5% cannabis  
(Weighted 8.6%) (2014 - 7.6%)
- Of drug-positive drivers:
  - ◆ Cannabis -- 82.1%
  - ◆ Stimulants – 17.8%
  - ◆ opioids – 13.4%

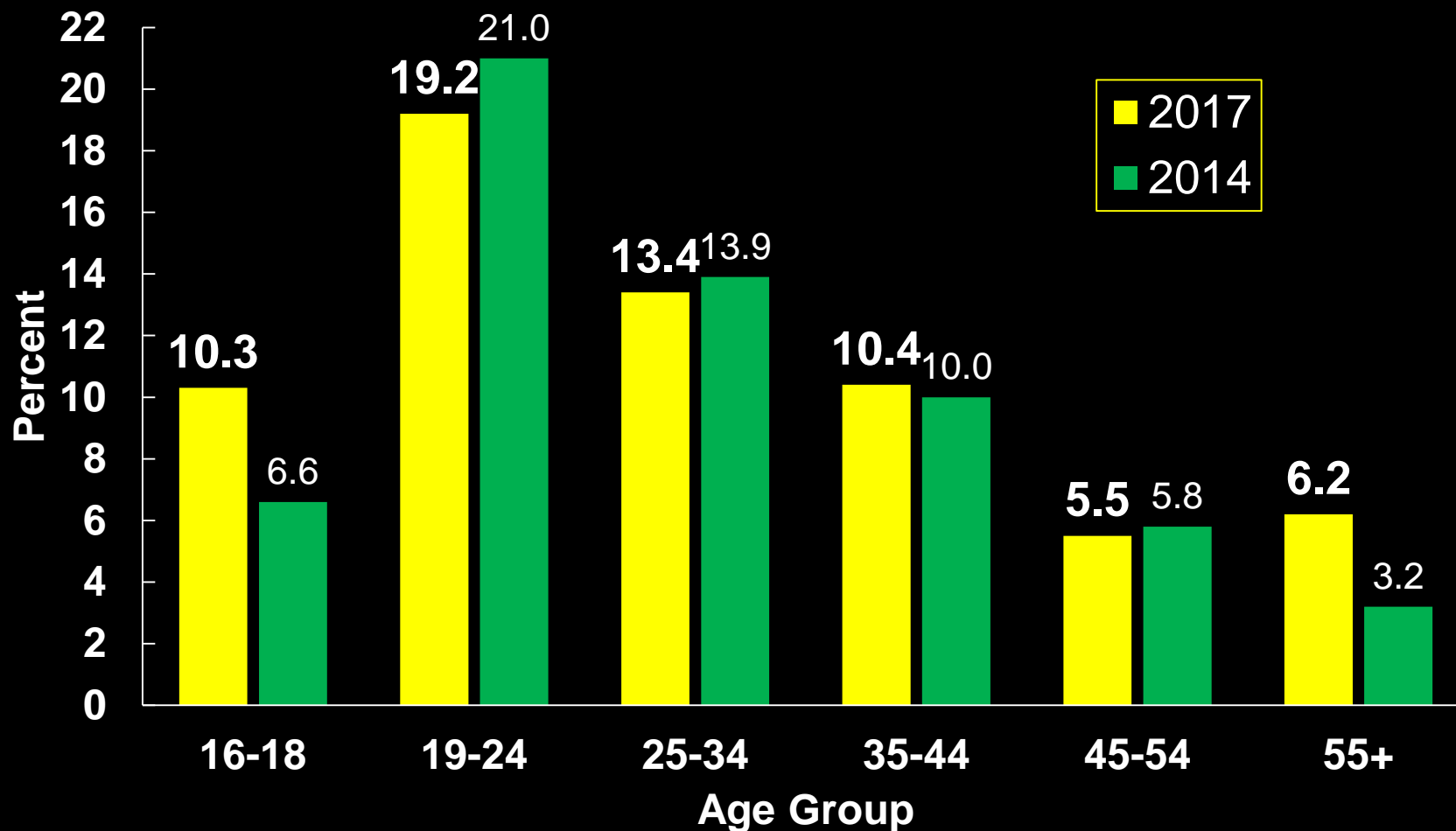




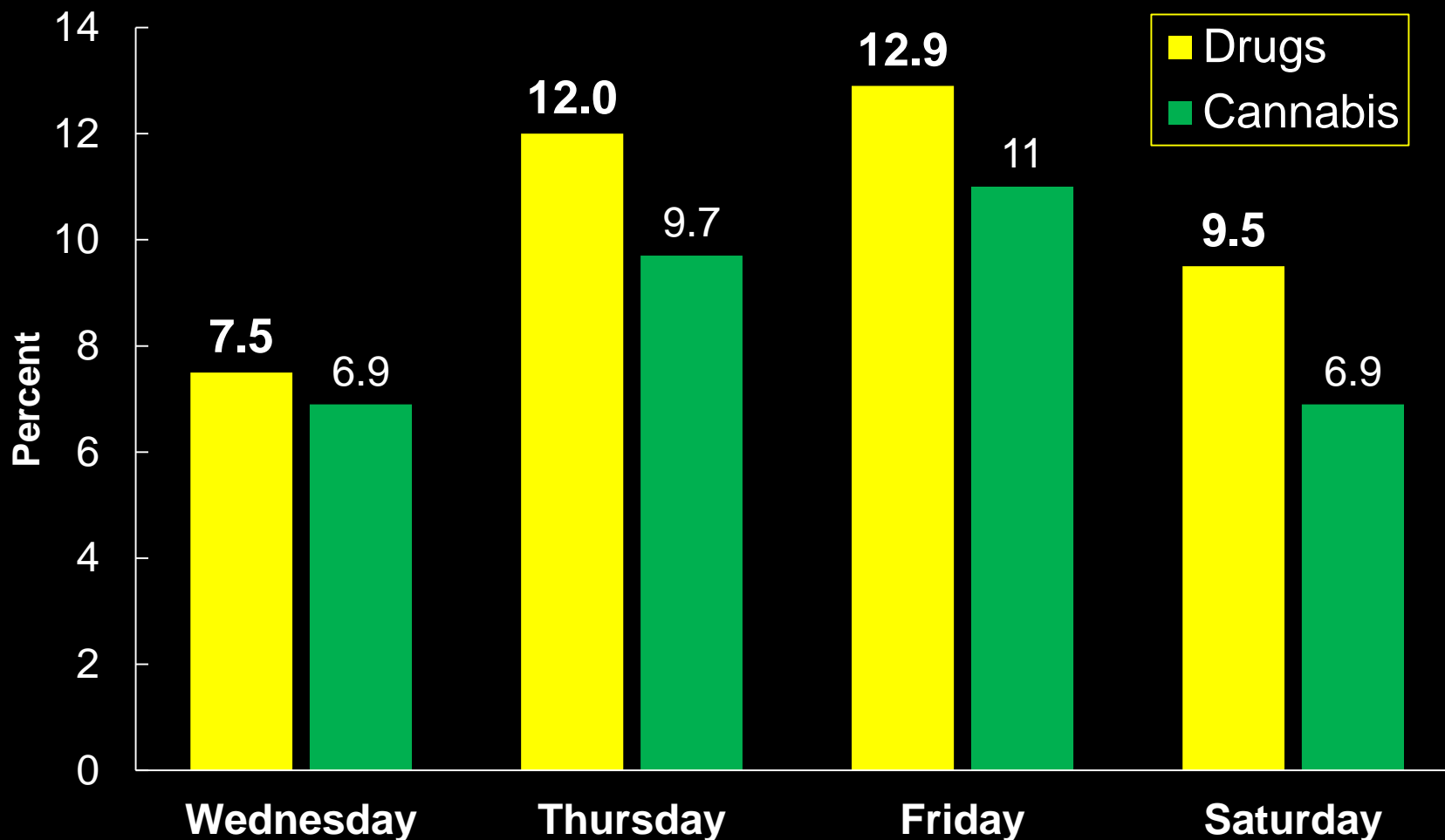
# *Cannabis-Positive Drivers According to Driver Sex (2014 and 2017)*



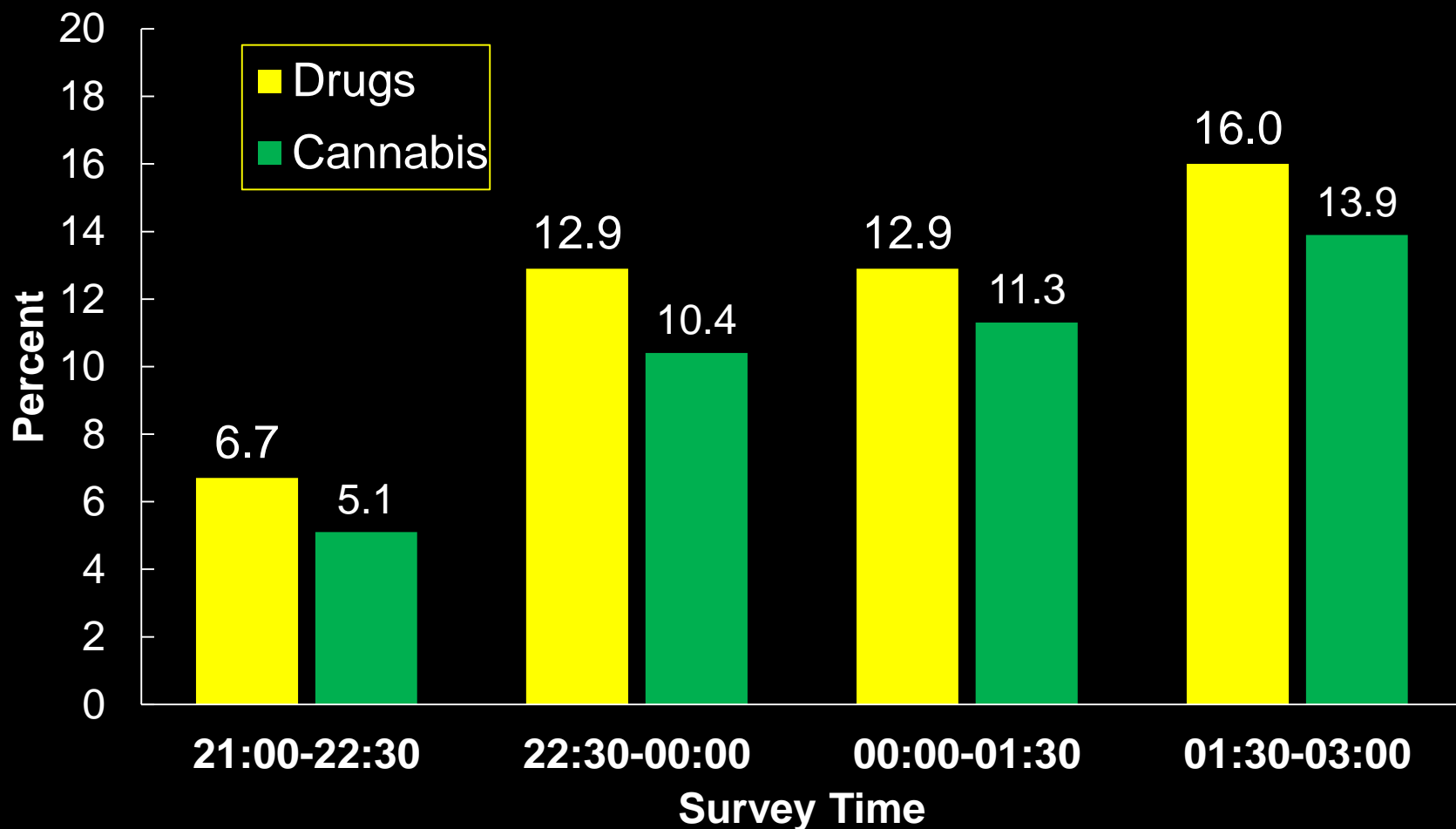
# ***Drug Positive Drivers According to Age (2014 vs 2017)***



# ***Drug/Cannabis Positive Drivers According to Survey Night***

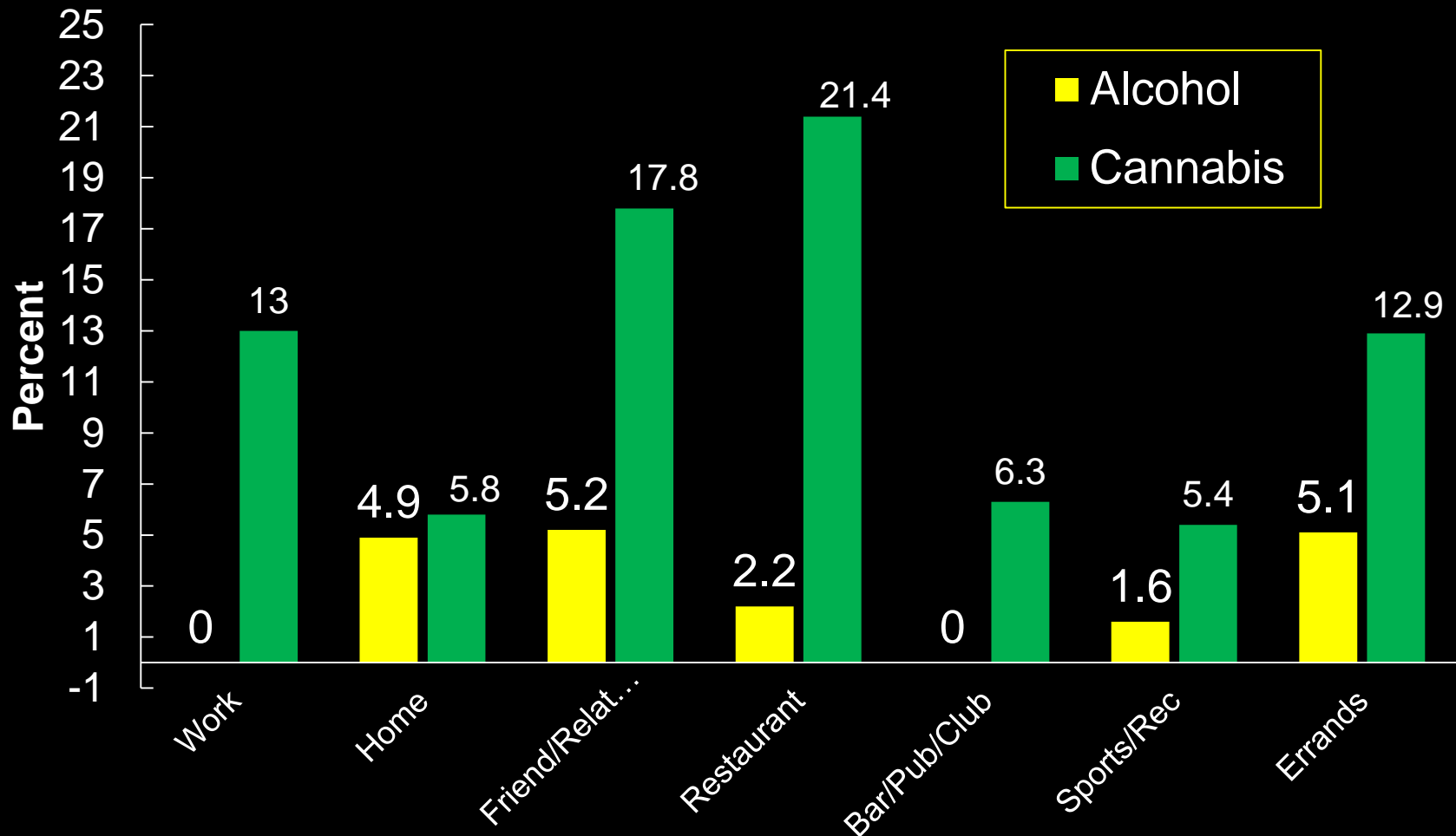


# ***Drug/Cannabis Positive Drivers According to Survey Time***





# *Alcohol & Cannabis Positive Drivers According to Trip Destination*



# ***Key Findings: Alcohol***

- **Low prevalence of alcohol use**
- **No driver <19 yr old with positive BAC**
- **Older G1/G2 drivers, those <22**
- **Vehicles with driver only, one same-sex passenger**
- **Bar/pub, friend's home, Sport/rec event**

# ***Key Findings: Drugs***

- **Drugs more common than alcohol**
- **Cannabis is #1 drug**
- **Drivers aged 19 to 34**
- **16-18 no alcohol but 10% drugs**
- **Northern communities**
- **Thurs & Friday nights**
- **Drug use by drivers going to work**



Ontario Roadside Survey