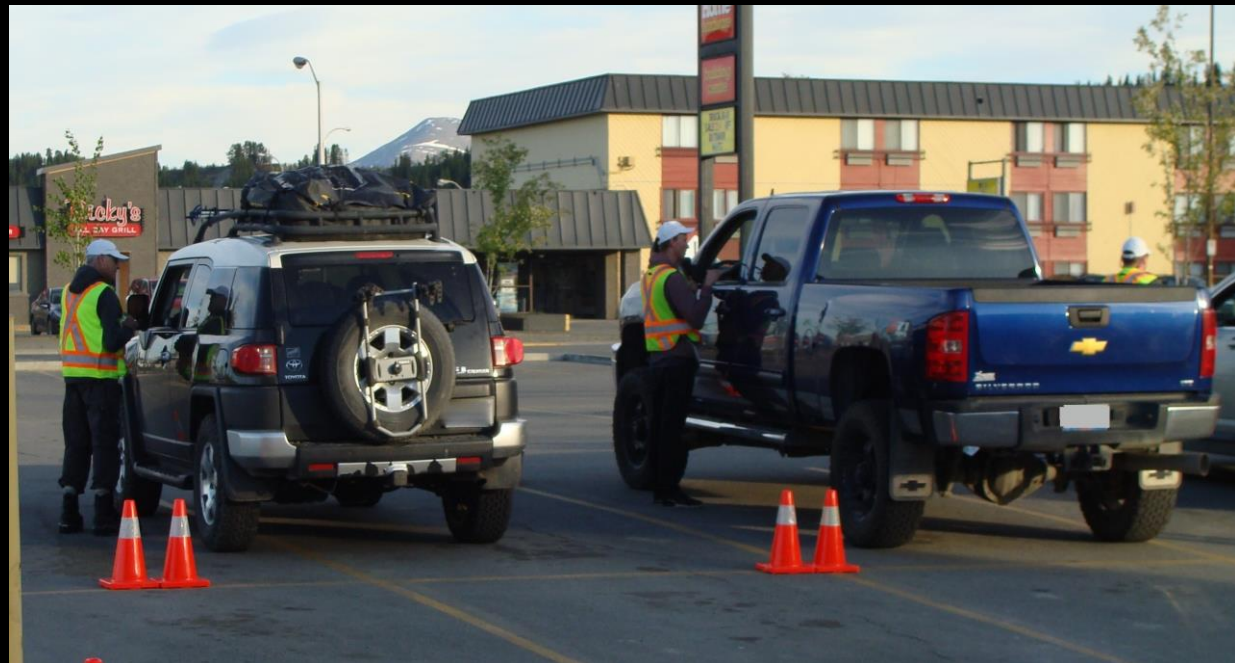


Roadside Surveys of Alcohol and Drug Use in Canada's North

Doug Beirness
Paul Boase
Elizabeth Beecroft
Rebecca Dupuis

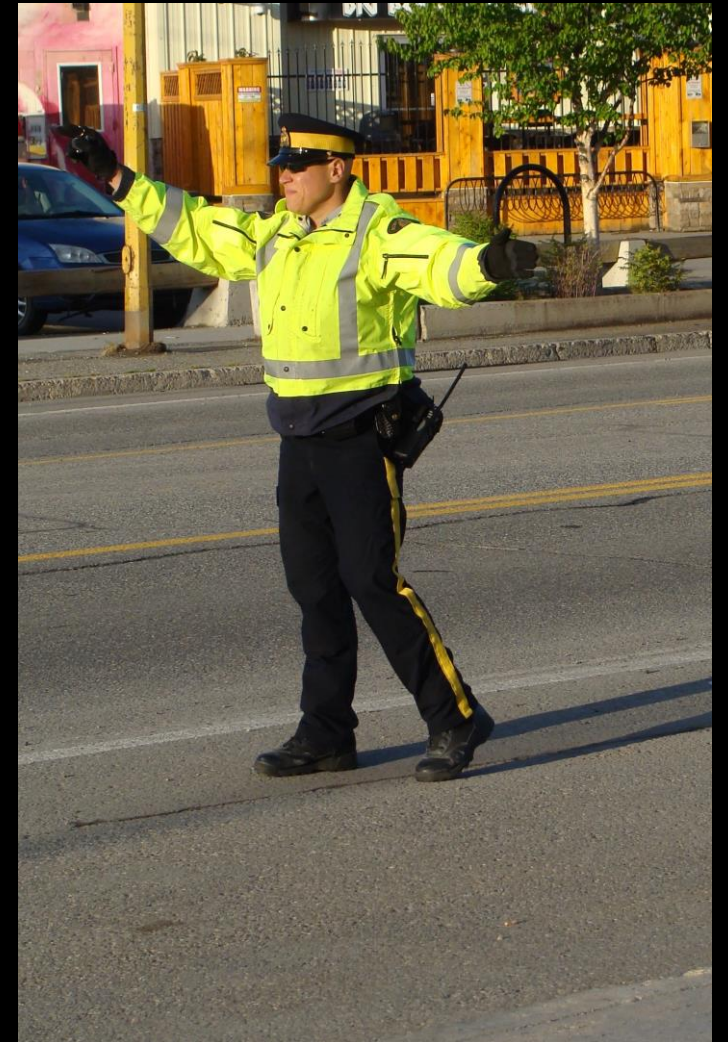


Background

- ❑ Roadside surveys provide valuable information on alcohol and drug use by drivers:
 - ❑ Prevalence
 - ❑ Temporal and geographic parameter
 - ❑ Demographic characteristics
- ❑ No such information available from Canada's northern regions

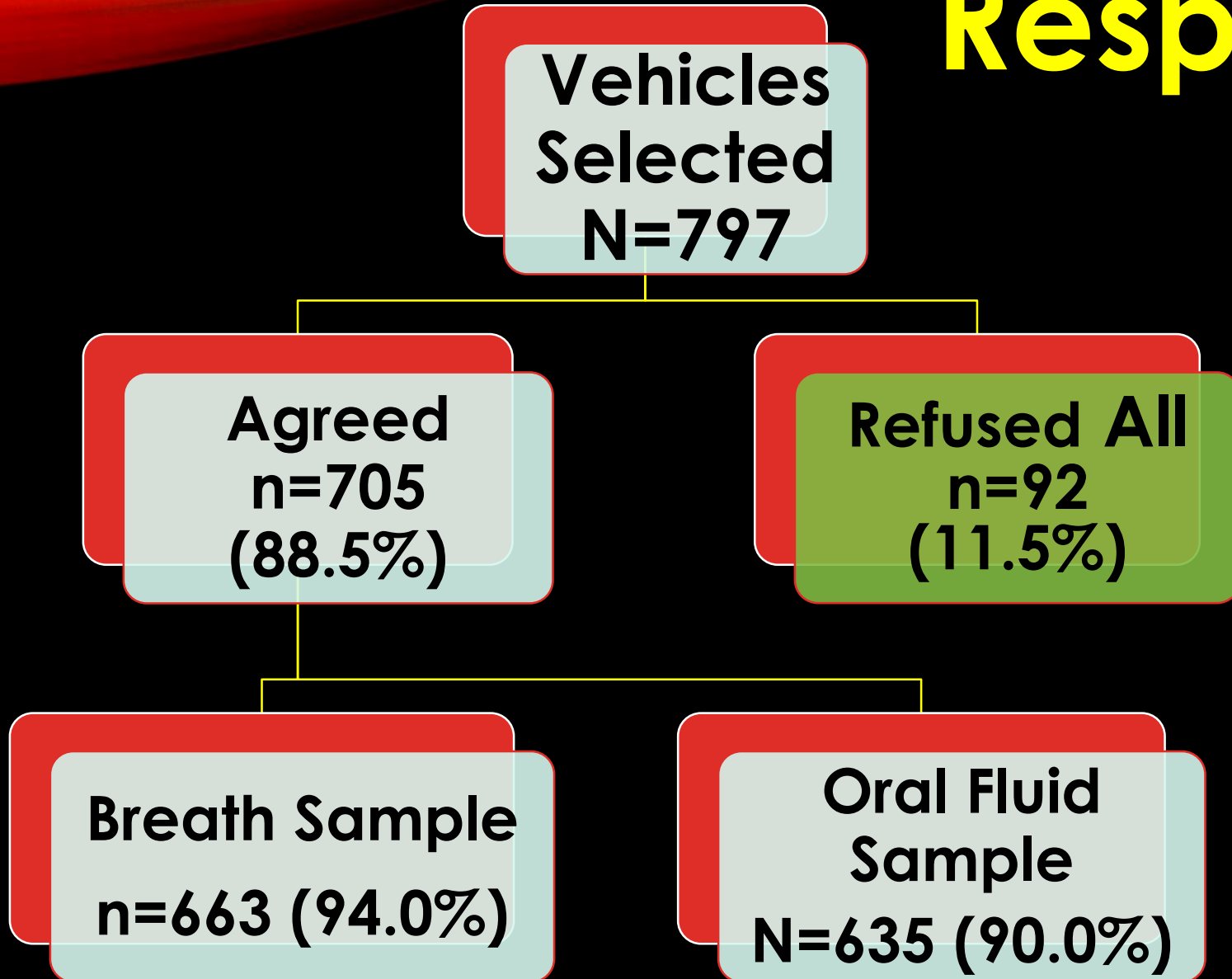
Method

- ❑ Whitehorse – June 2018
- ❑ Yellowknife – Sept 2018
- ❑ TC/CCMTA protocol
- ❑ Wed through Sat nights
- ❑ 9:00 PM to 3:00 AM
- ❑ 3 sites per night – 90 min each
- ❑ 1 survey crew of 5 interviewers
- ❑ Police officer to direct traffic

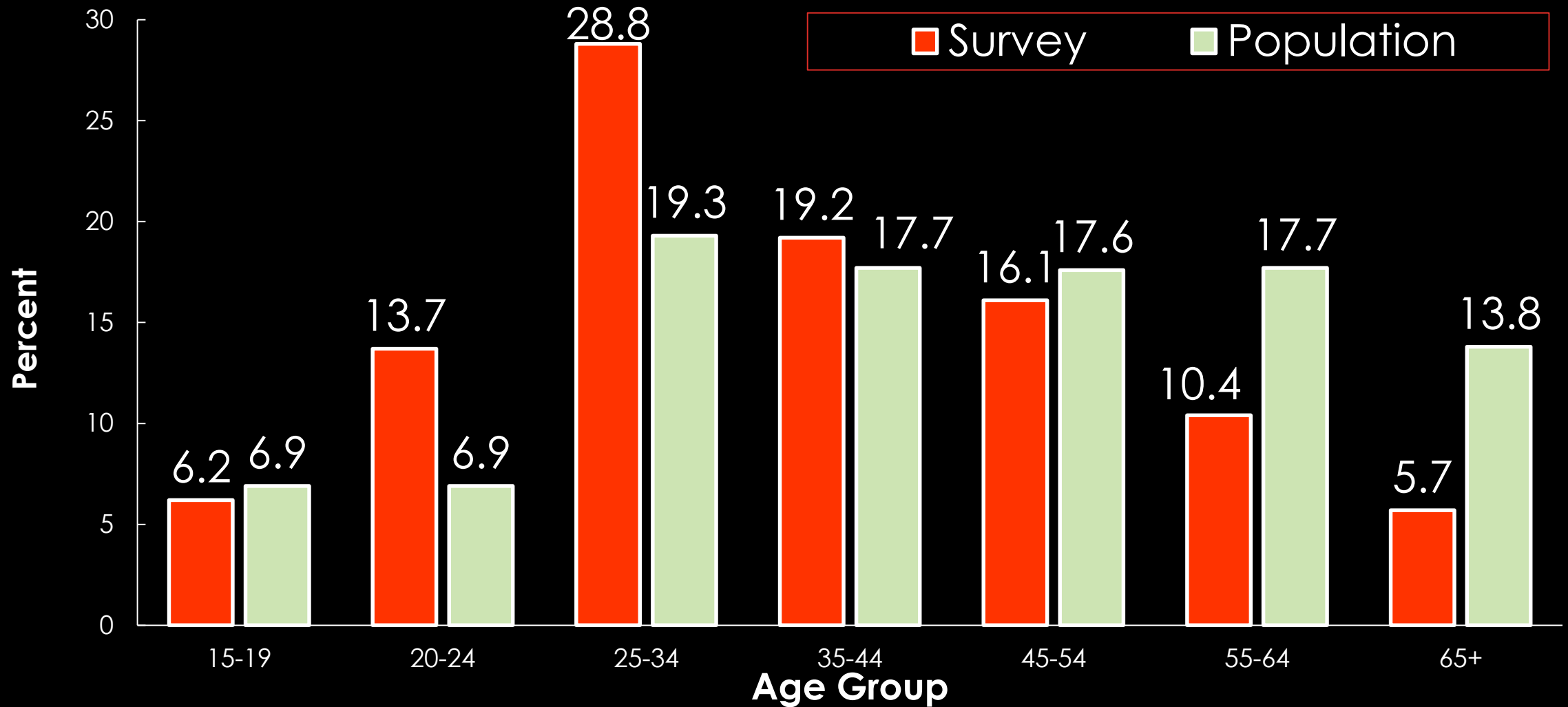




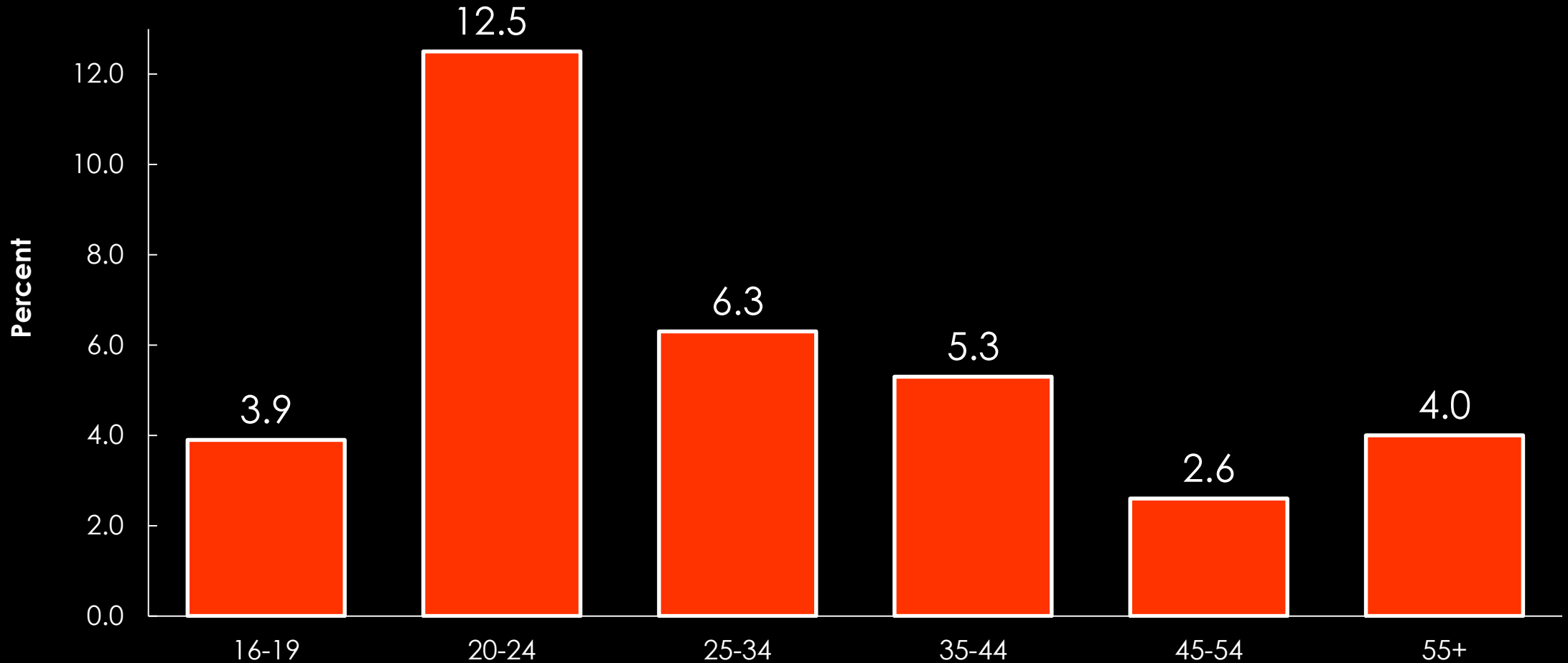
Response Rates



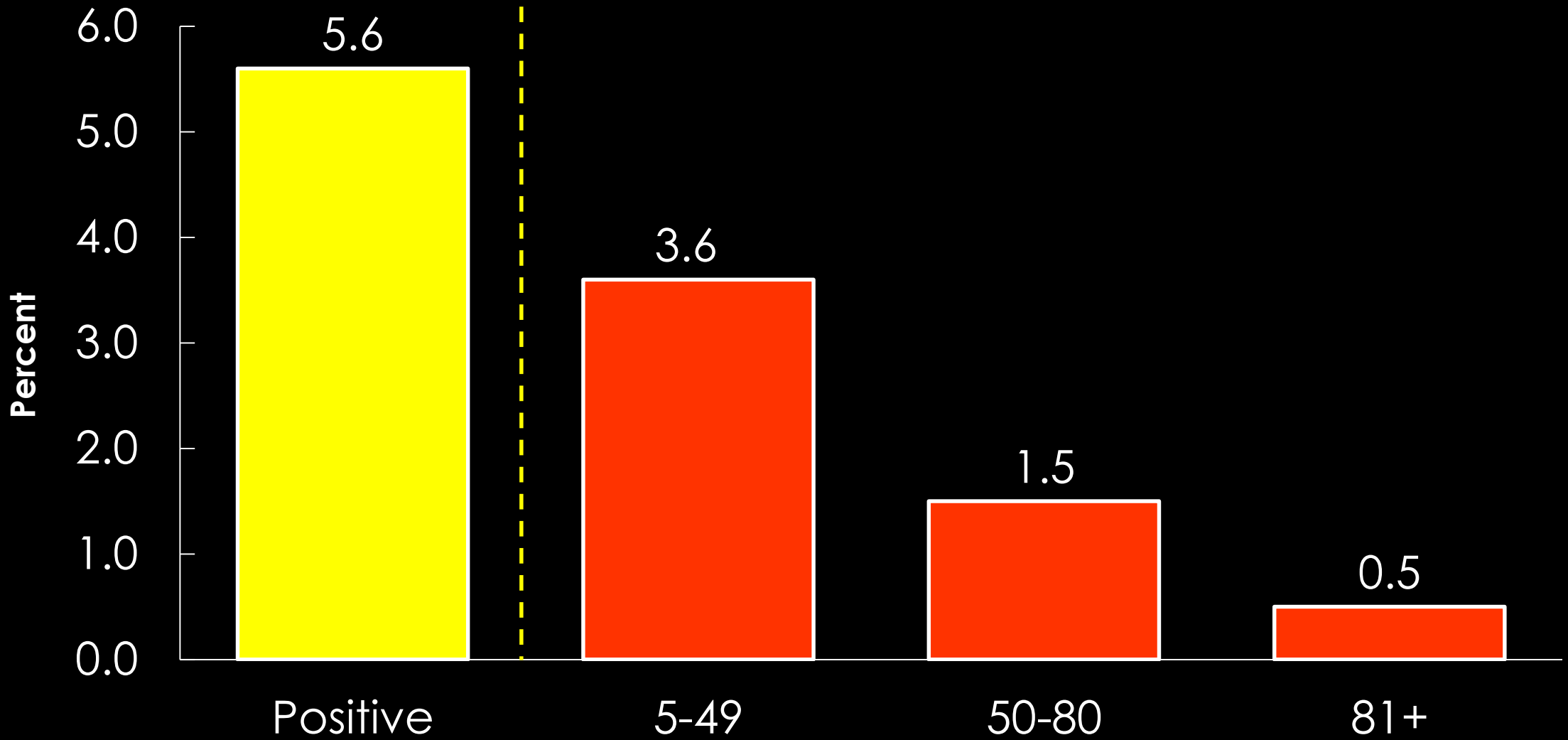
Age Distribution



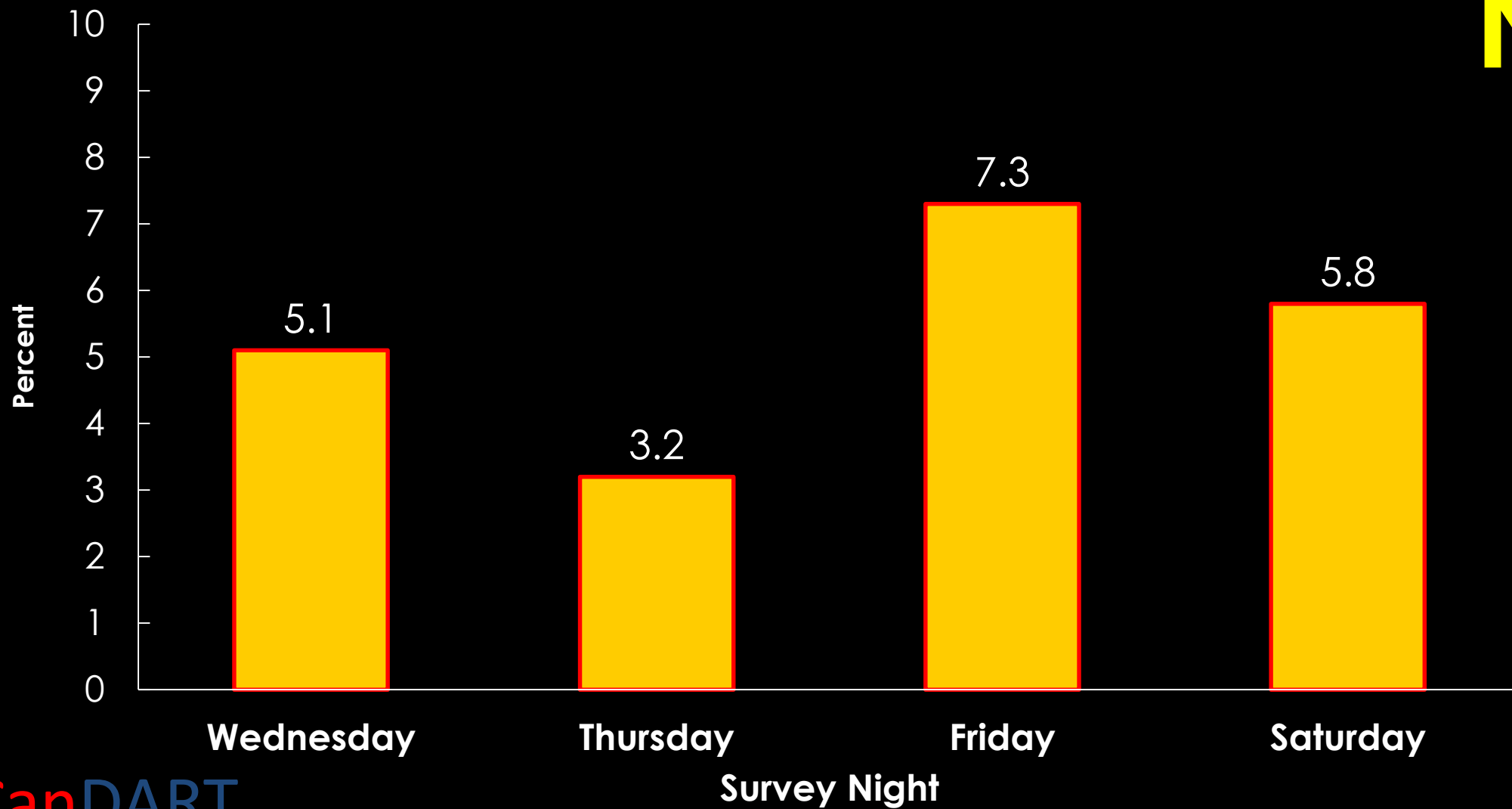
Alcohol by Driver Age



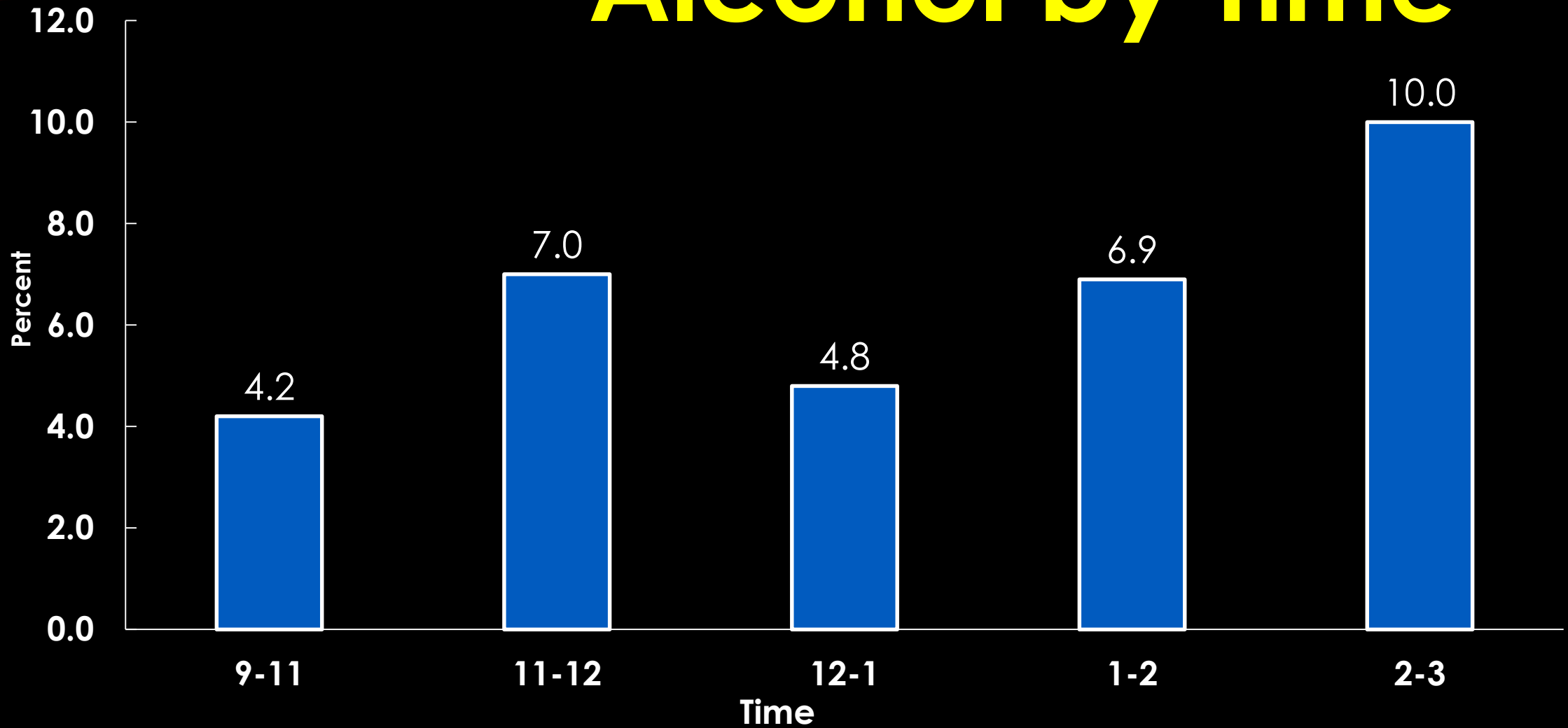
BAC



Alcohol by Survey Night



Alcohol by Time

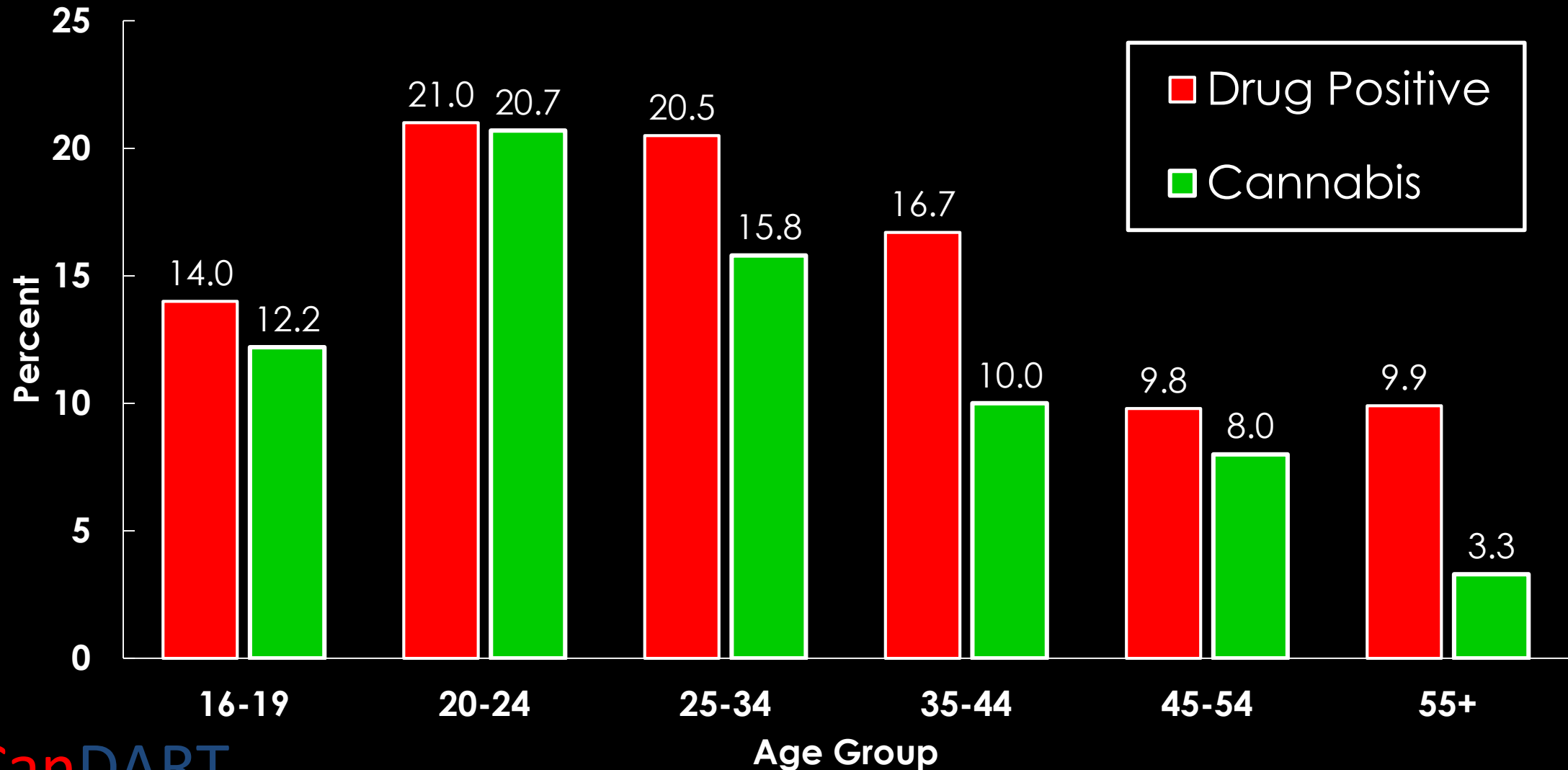


Drugs

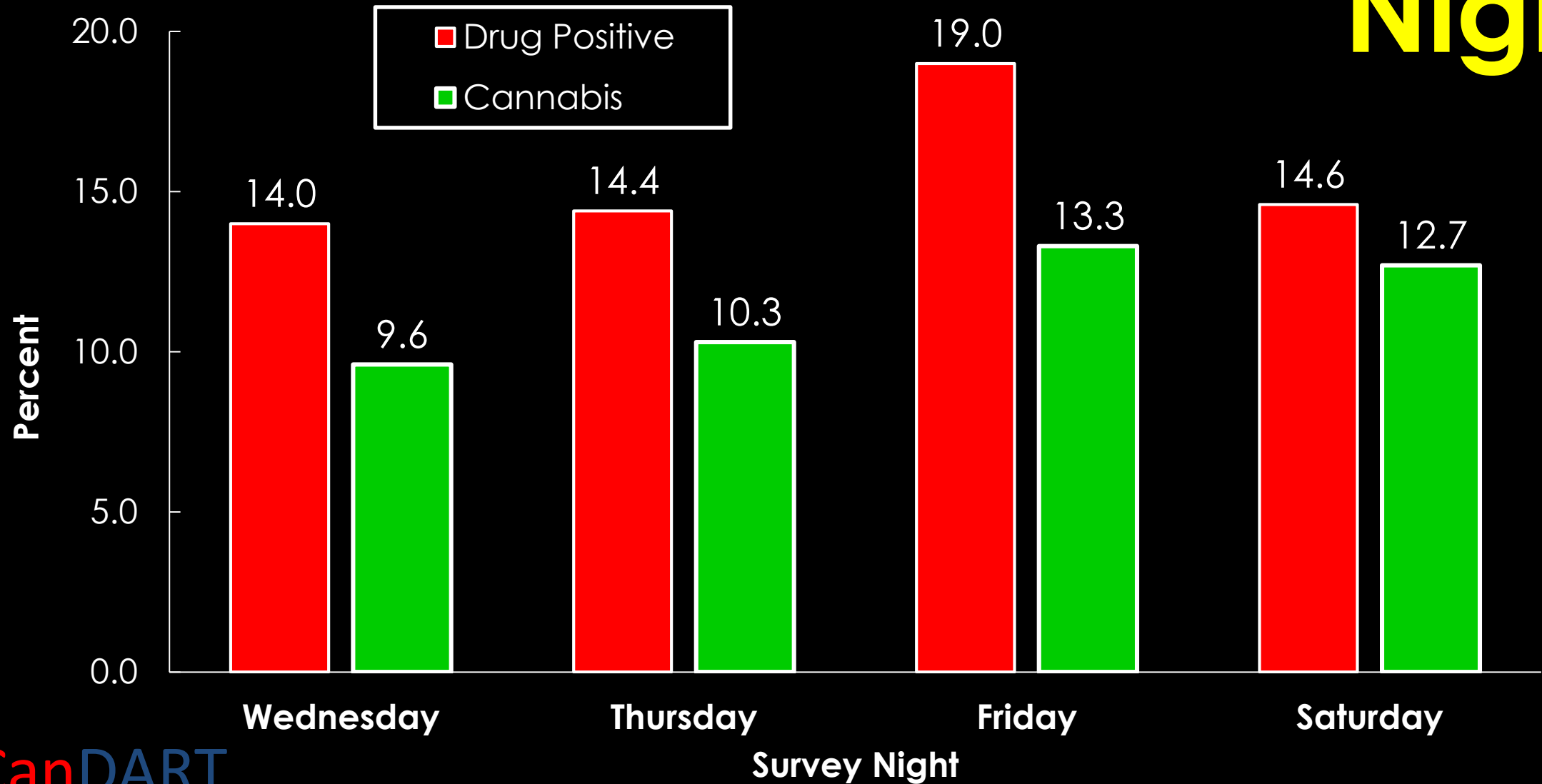
- ❑ 18.%positive for drugs
- ❑ Cannabis (THC) 73%
- ❑ Stimulants 38% (cocaine)
- ❑ Opioids 3.5%
- ❑ 15% more than one type of drug
- ❑ 11% also had been drinking
- ❑ Overall 23% of drivers tested positive for drugs, alcohol, or both



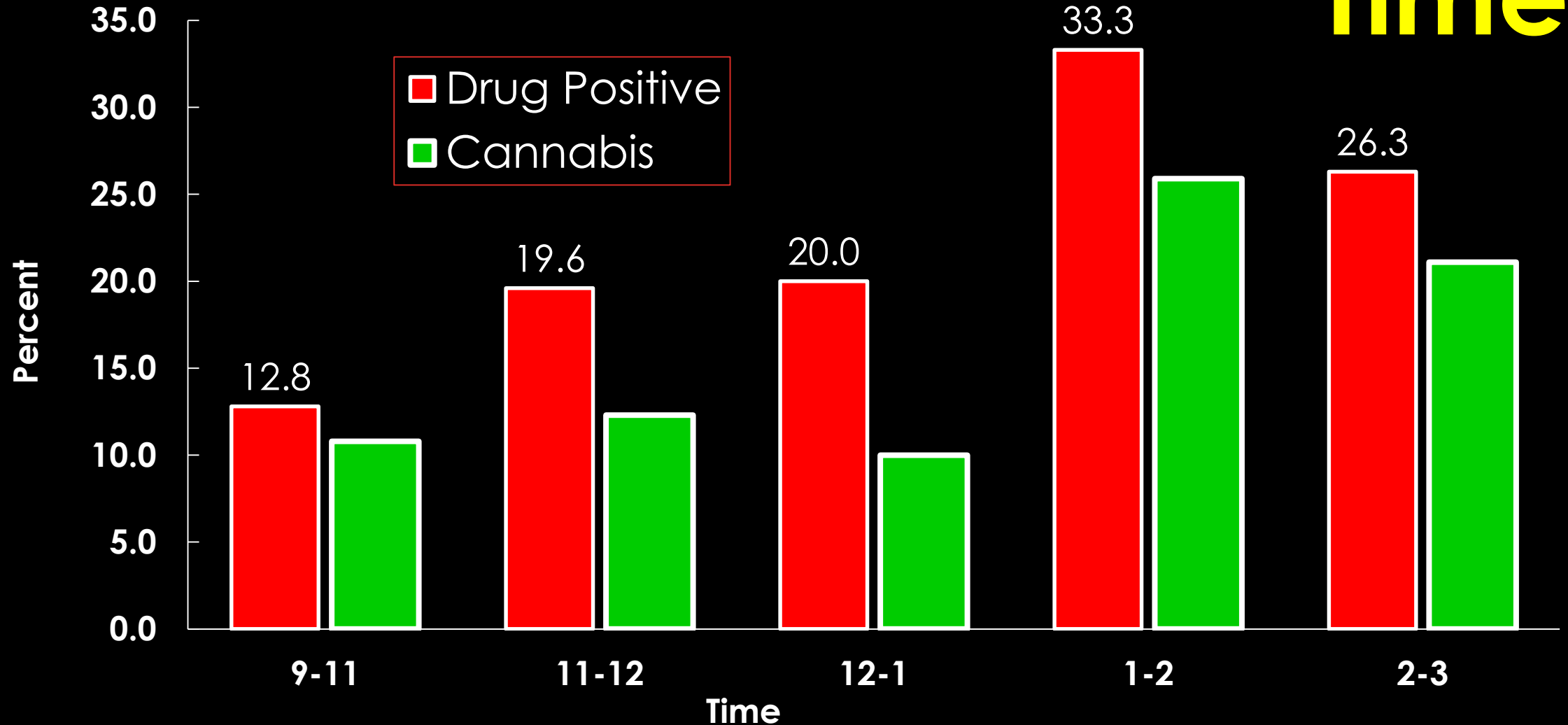
Drug Use by Age



Drugs by Survey Night



Drugs by Survey Time



What did we learn?

- ❑ Drugs more common than alcohol
- ❑ Cannabis and cocaine
- ❑ Friday night
- ❑ Drugs → every night, late
- ❑ “Just driving around” is a common activity



Why is it hard to avoid driving after alcohol/cannabis use?

- “don’t think they are impaired”
- “don’t think they will get caught”



Doug Beirness
Canadian Drug and Alcohol
Research Team
DBeirness@magma.ca