



Population Measures of Cannabis and Driving

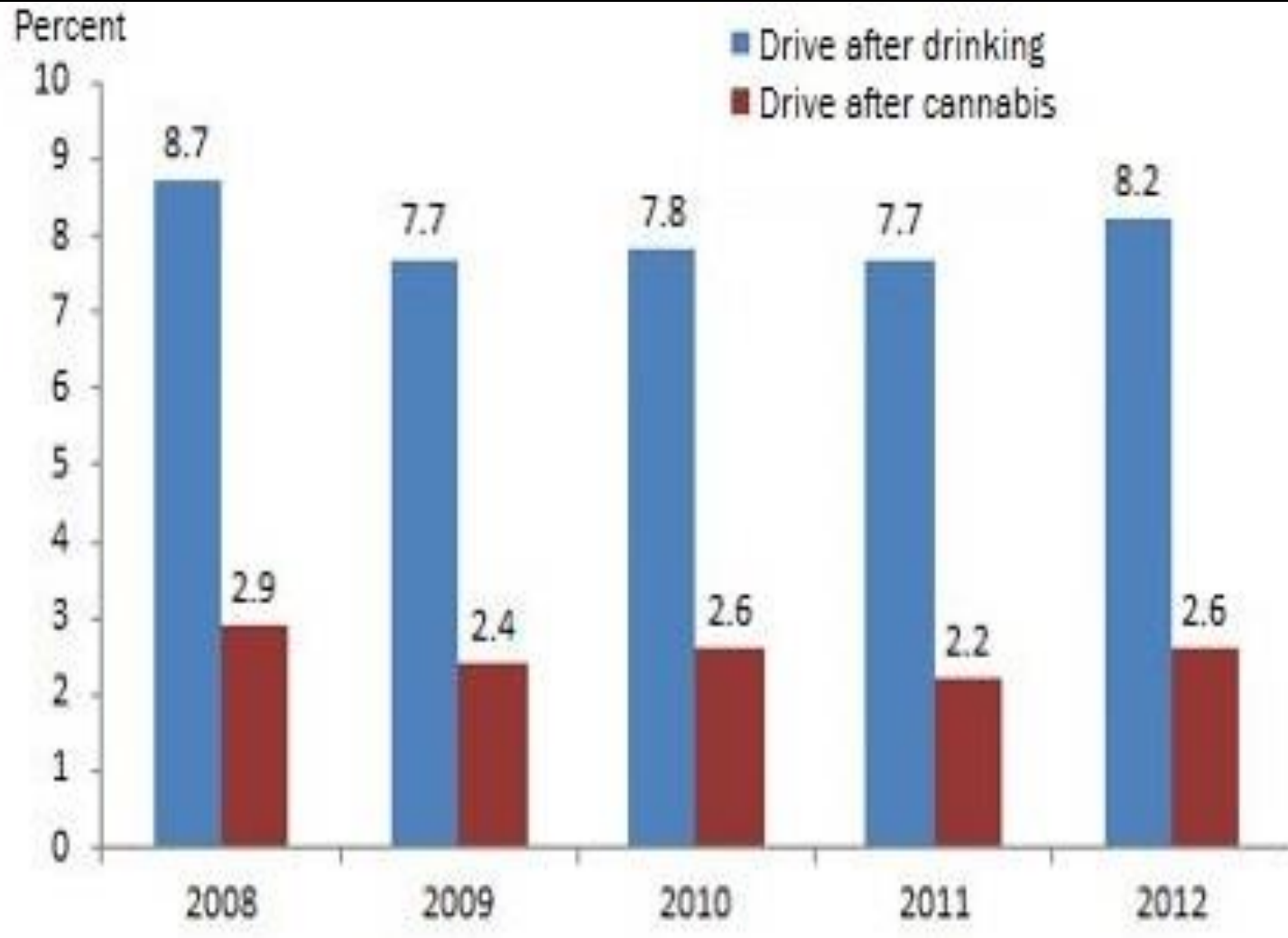
The Quick, the Caught and the Dead

Doug Beirness

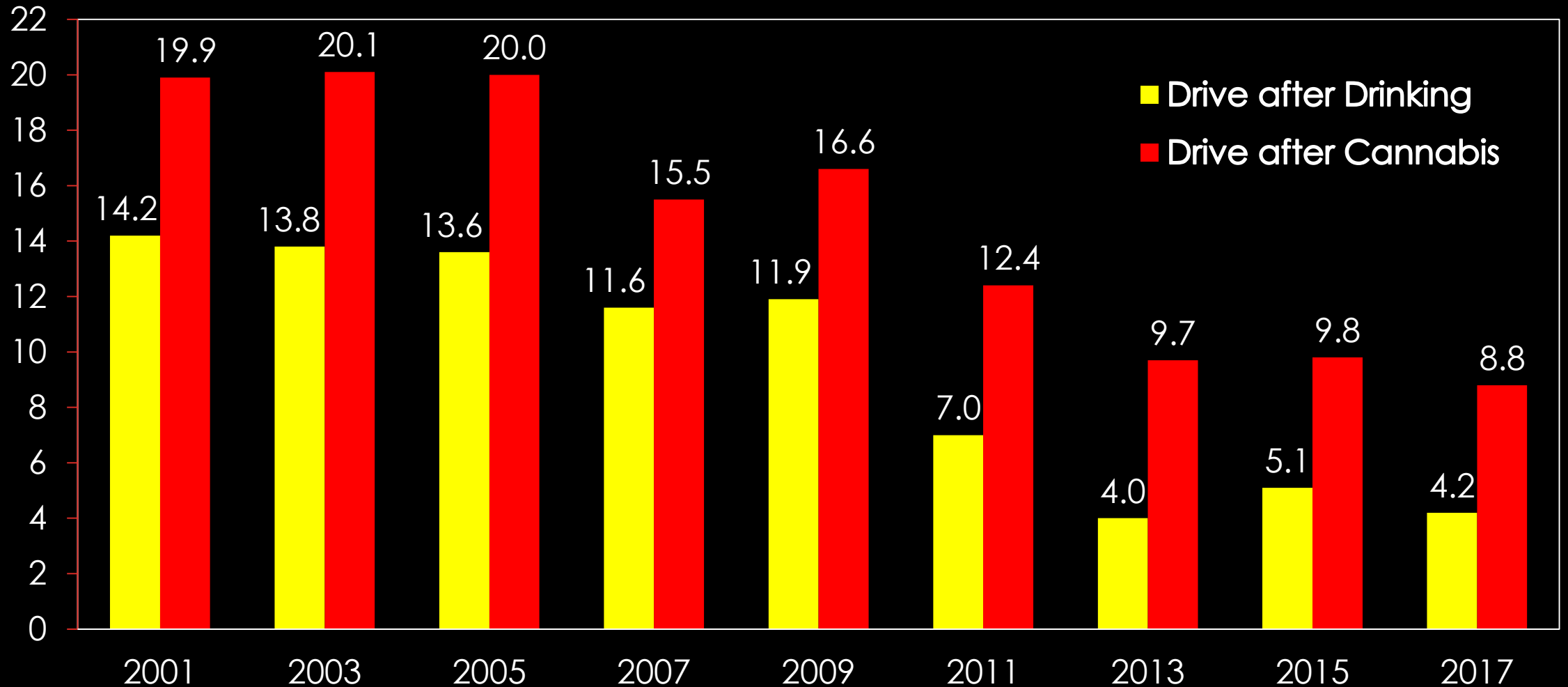
Populations of Interest

- The Quick
 - Self-report
 - Drivers on the Road
- The Caught
 - Impaired Driving Incidents
- The Dead
 - Drivers in Fatal Crashes

The Quick



Ontario Student Drug Use & Health Survey

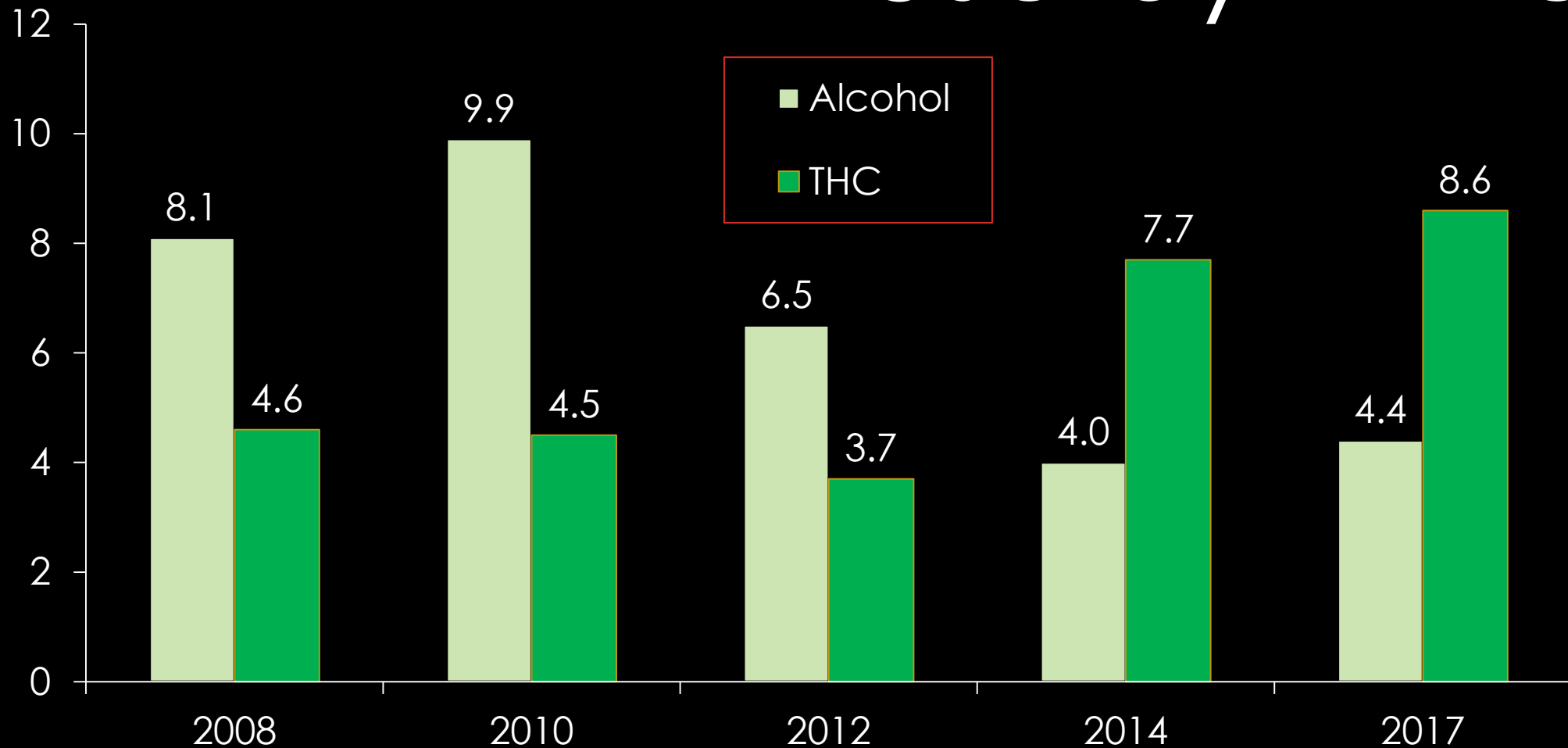


Drivers on the Road

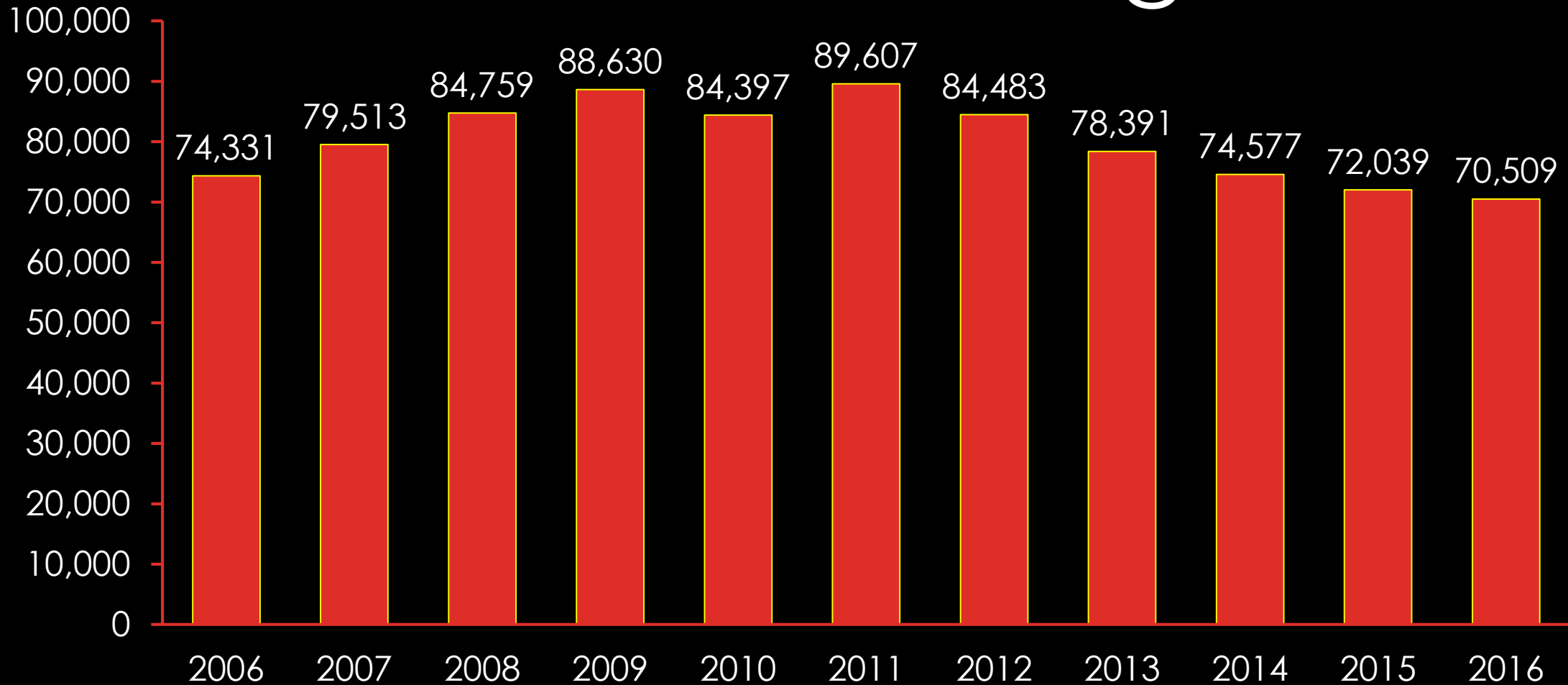
- ❑ Drivers randomly selected from the traffic stream at night
- ❑ Collect breath and oral fluid samples to test for alcohol and major drugs of interest
- ❑ Response rates 80-90%
- ❑ Provide indication of prevalence of alcohol and drug use by drivers using the roads at night



Alcohol and Cannabis Use by Drivers



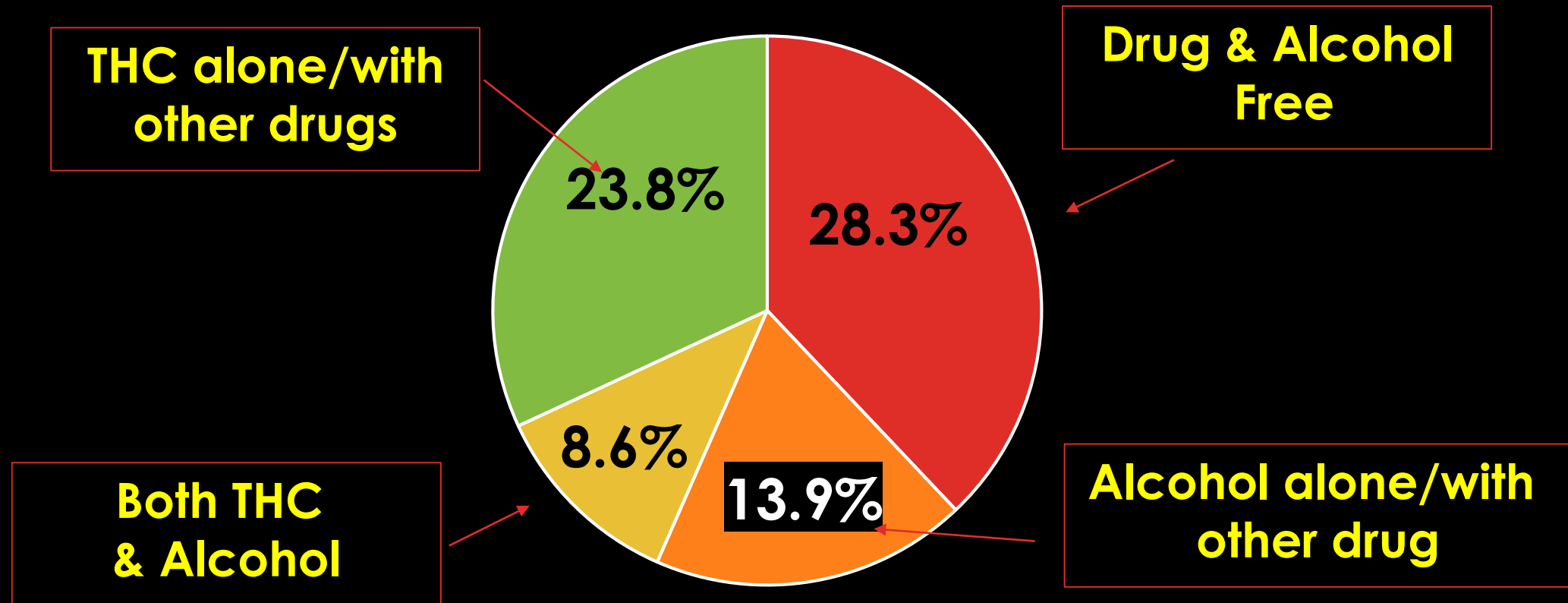
The Caught: Impaired Driving Incidents



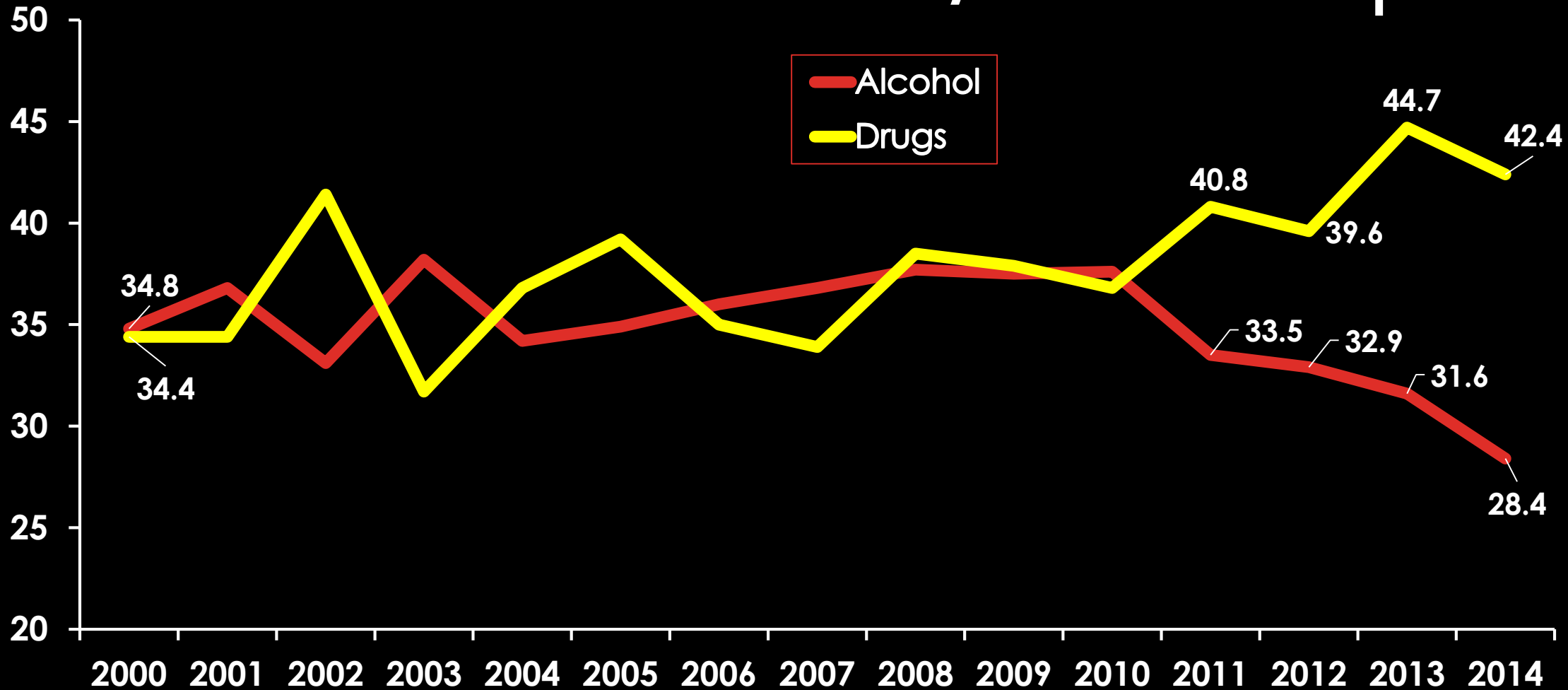
The Caught

- ❑ Poor data on drug impaired incidents
- ❑ Stats Can: 3,098 in 2016 – up 12% from 2015
- ❑ IACP Annual Report on DECP
 - ❑ 2016 3,033 DRE Evaluations
 - ❑ One third were “training”
 - ❑ 467 THC
 - ❑ 606 Depressants
 - ❑ 686 Poly drug

The Dead Ontario Coroner Files



The Dead CCMTA/TIRF Report



Population Measures of Cannabis Use by Drivers

- ❑ Cannabis use by drivers is not uncommon
- ❑ Still Learning
- ❑ Data gaps
- ❑ Extent and quality of data could be improved