

All-cause and cause-specific mortality in people using extra-medical opioids

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Stockings, Louisa Degenhardt



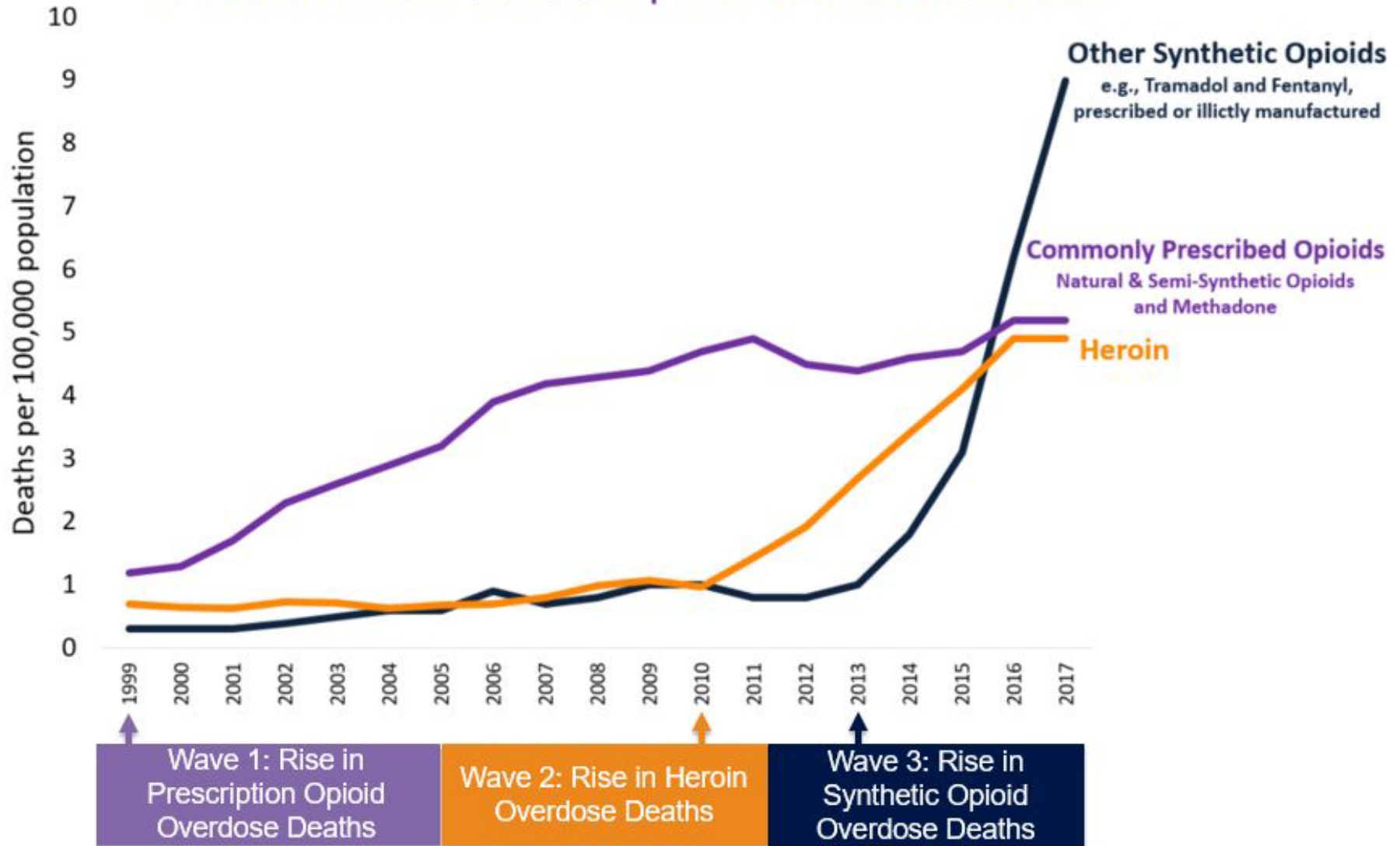
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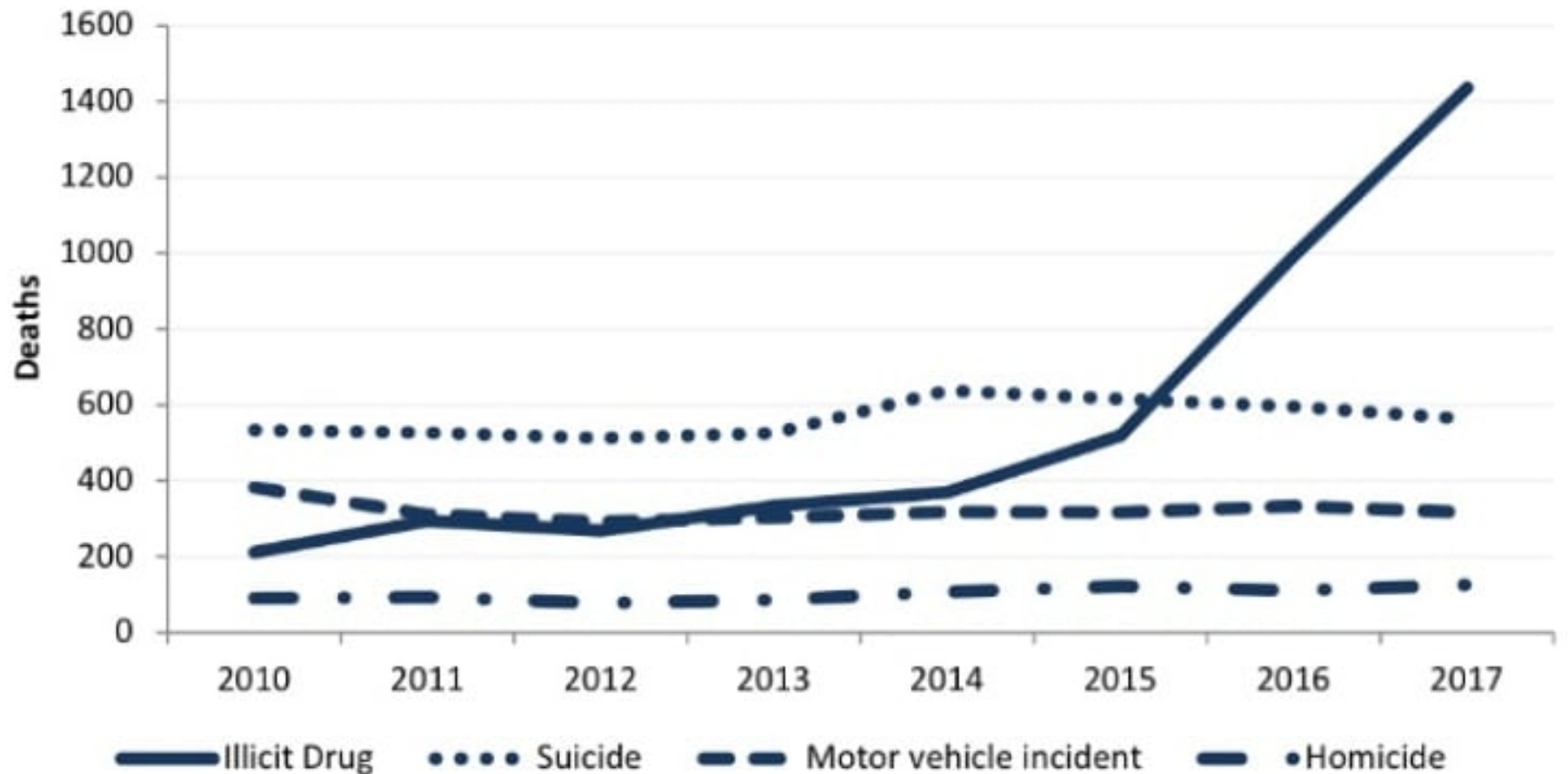
NDARC
National Drug &
Alcohol Research Centre

3 Waves of the Rise in Opioid Overdose Deaths



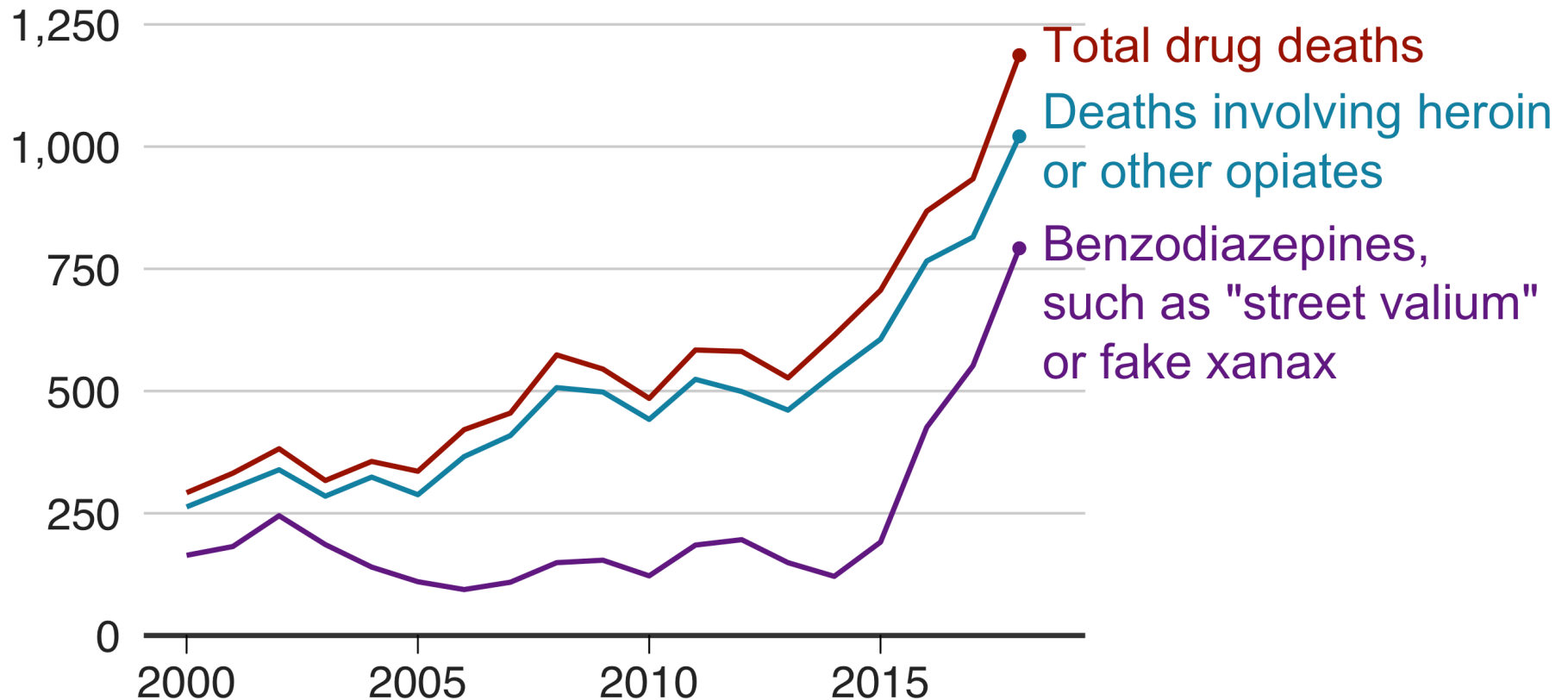
SOURCE: National Vital Statistics System Mortality File.

Major Causes of Unnatural Deaths in BC



Record number of drug deaths in Scotland

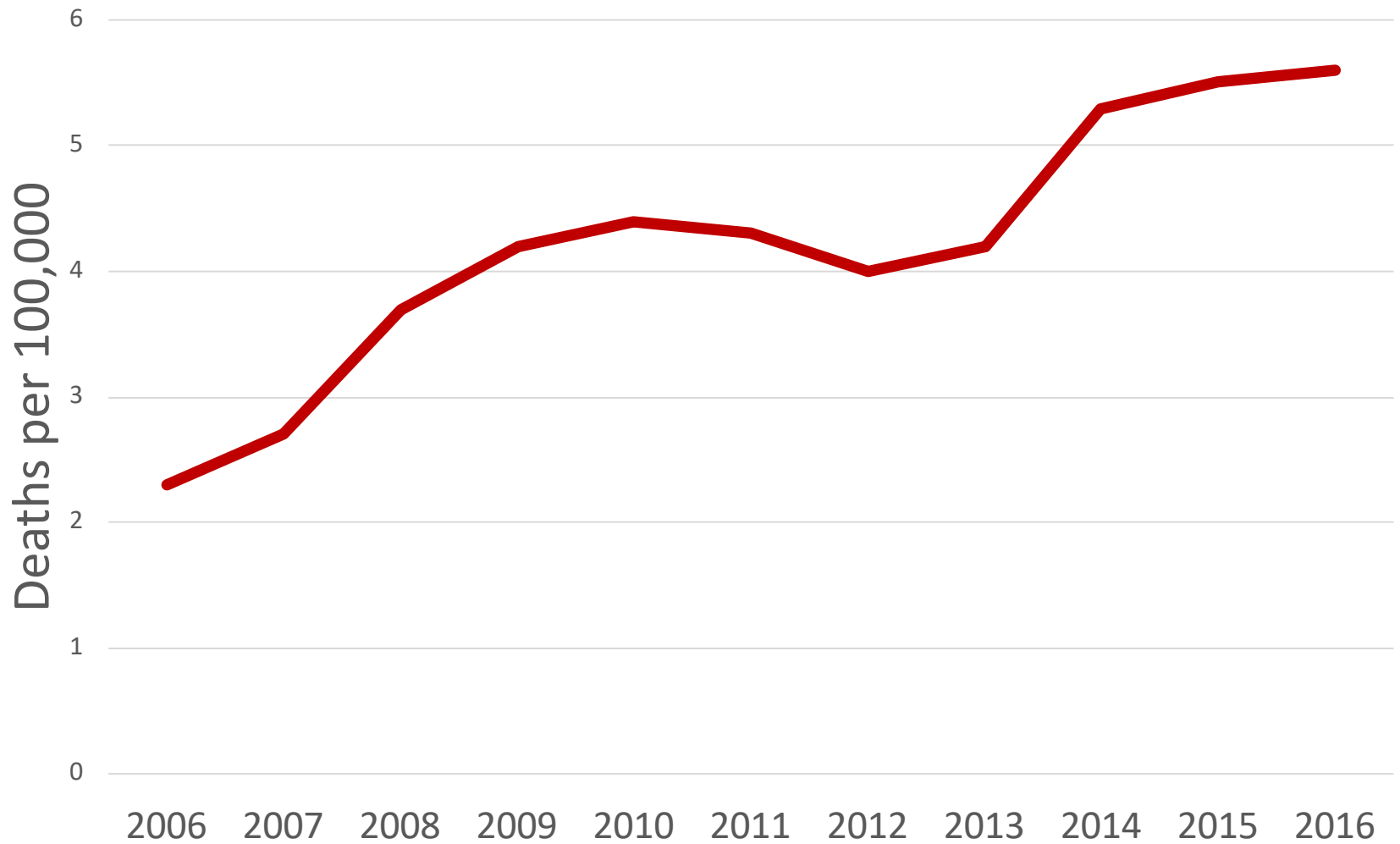
There were more than 1,000 drug-related deaths in 2018, with cases involving benzodiazepines increasing rapidly



Note: Many cases involve more than one type of drug

Source: National Records of Scotland

Opioid overdose deaths per 100,000, Australia



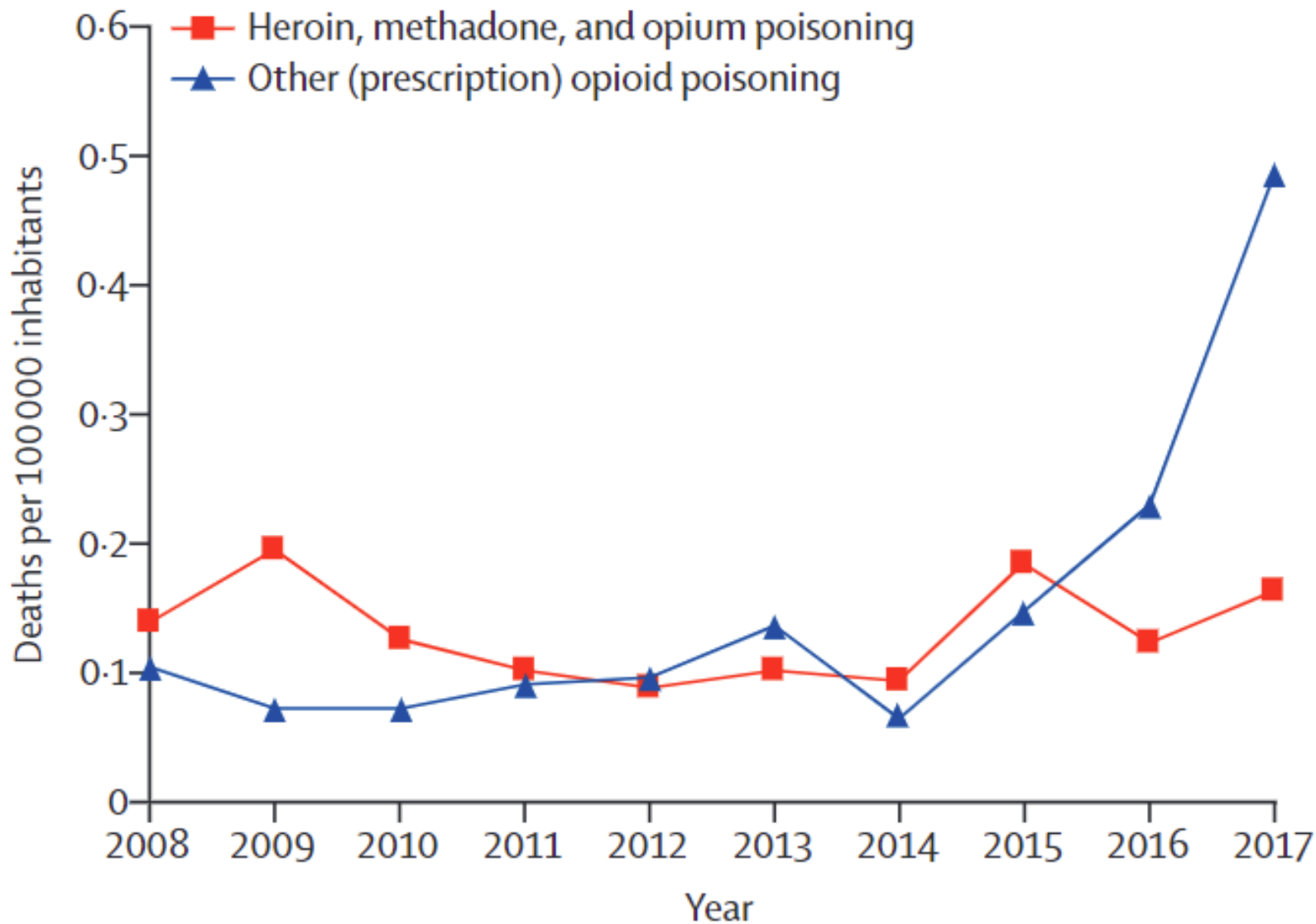


Figure 4: Mortality caused by opioid poisoning in the Netherlands per 100 000 inhabitants

Mortality among regular or dependent users of heroin and other opioids: a systematic review and meta-analysis of cohort studies

Louisa Degenhardt^{1,2}, Chiara Bucello¹, Bradley Mathers¹, Christina Briegleb¹, Hammad Ali¹, Matt Hickman³ & Jennifer McLaren¹

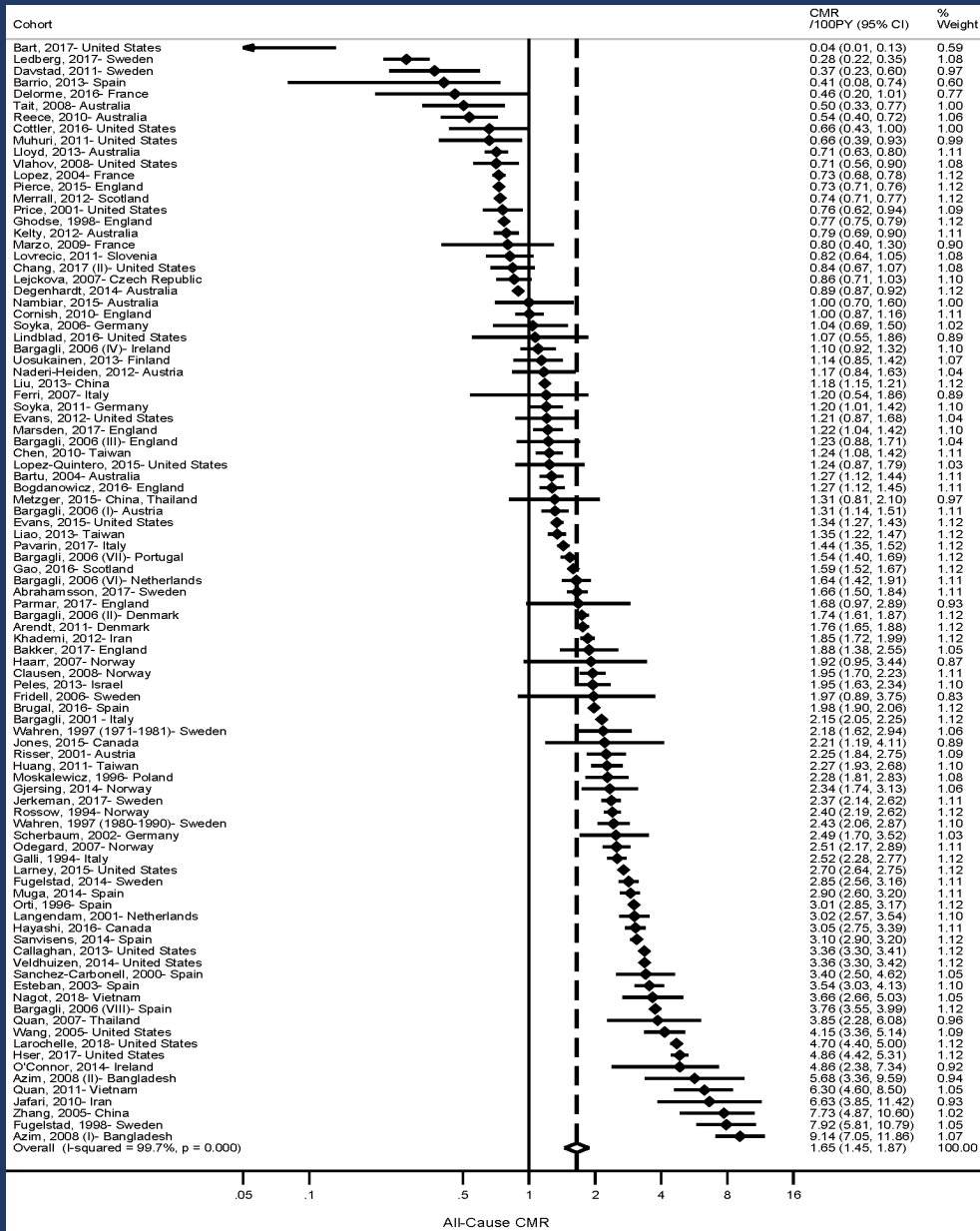
Aim: estimate all-cause and
cause-specific mortality
rates and excess mortality

97 cohorts – 117 publications

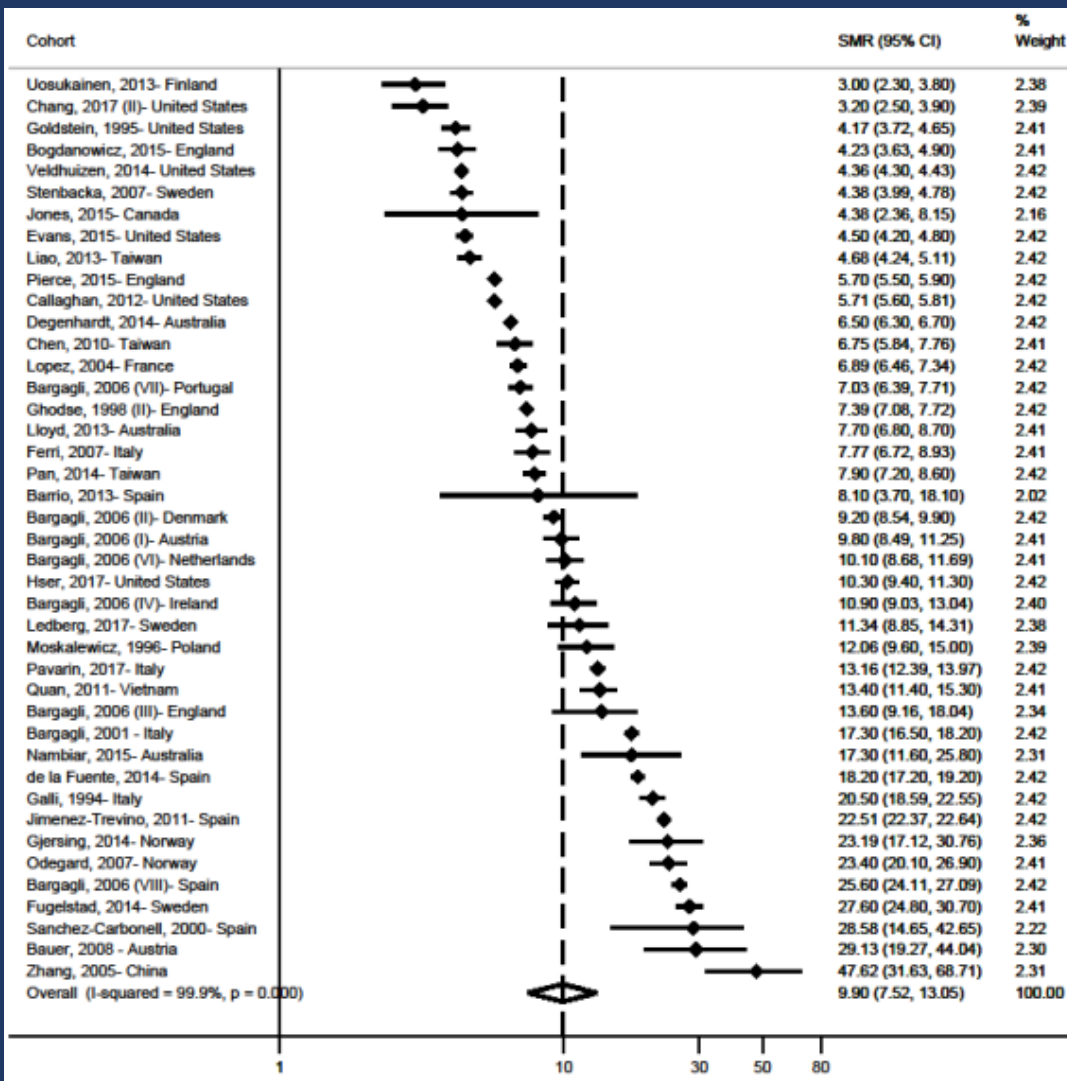
28 countries (5 LMIC)

N 35 – 306,786

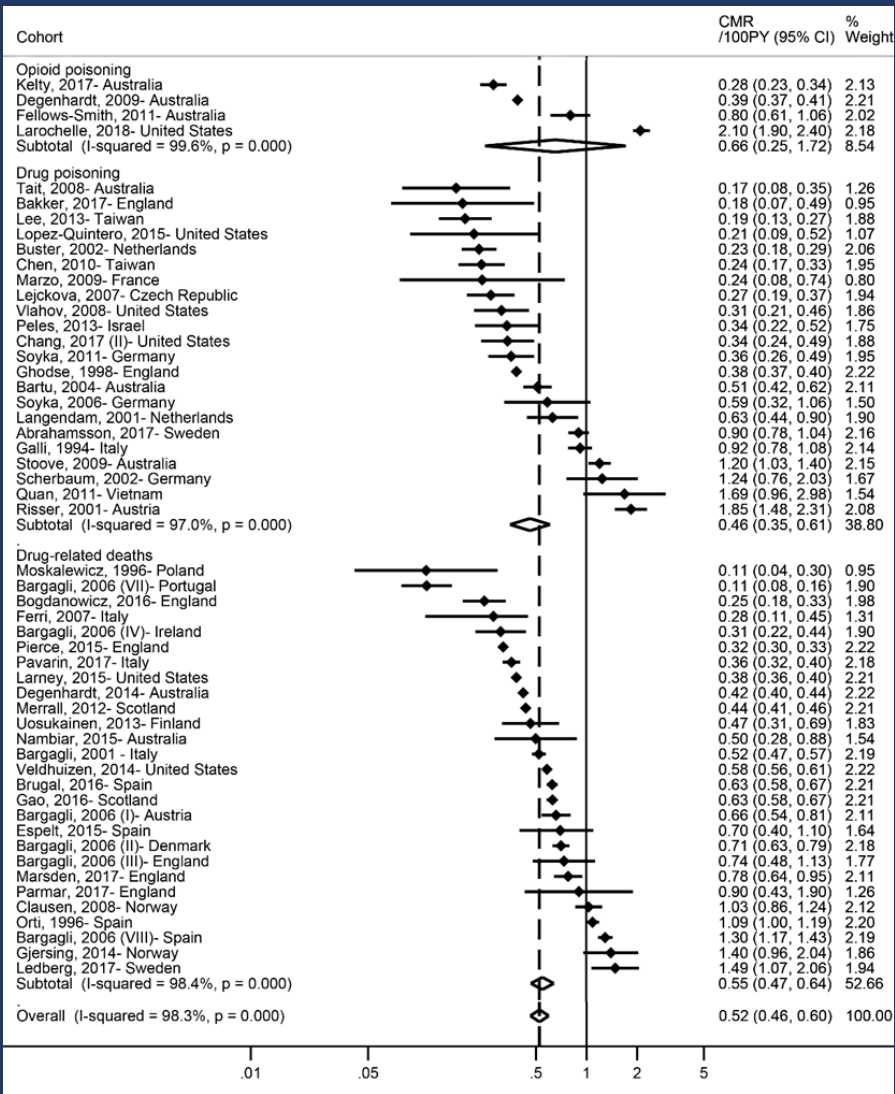
person-years 29 - 687,673



All-cause crude mortality rate: 1.7 per 100 py



All-cause deaths occur at **10 x** expected rate



Drug-related deaths:
highest cause-specific mortality
0.5 per 100 py

40-60 x expected rate

Excess mortality across causes:

AIDS-related 19 x

Liver-related 9 x

Excess mortality across causes:

Suicide 8 x

Unintentional injuries 7 x

Violence 10 x

Excess mortality across causes:

Respiratory 11 x

Cardiovascular 5 x

Cancer 3 x

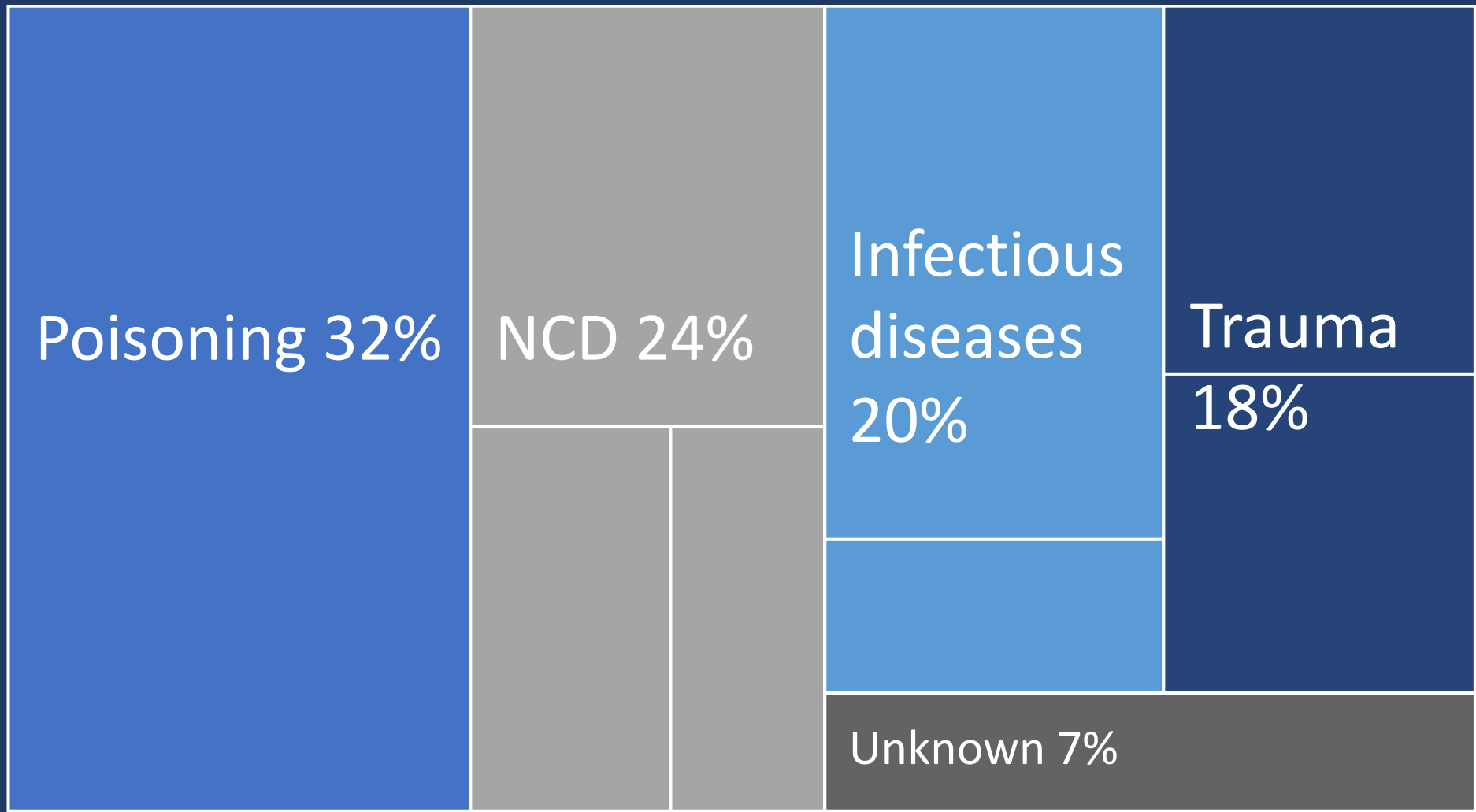
Poisoning 32%

NCD 24%

Infectious
diseases
20%

Trauma
18%

Unknown 7%



Poisoning 32%

Other NCD 13%

HIV 15%

Other trauma
10%

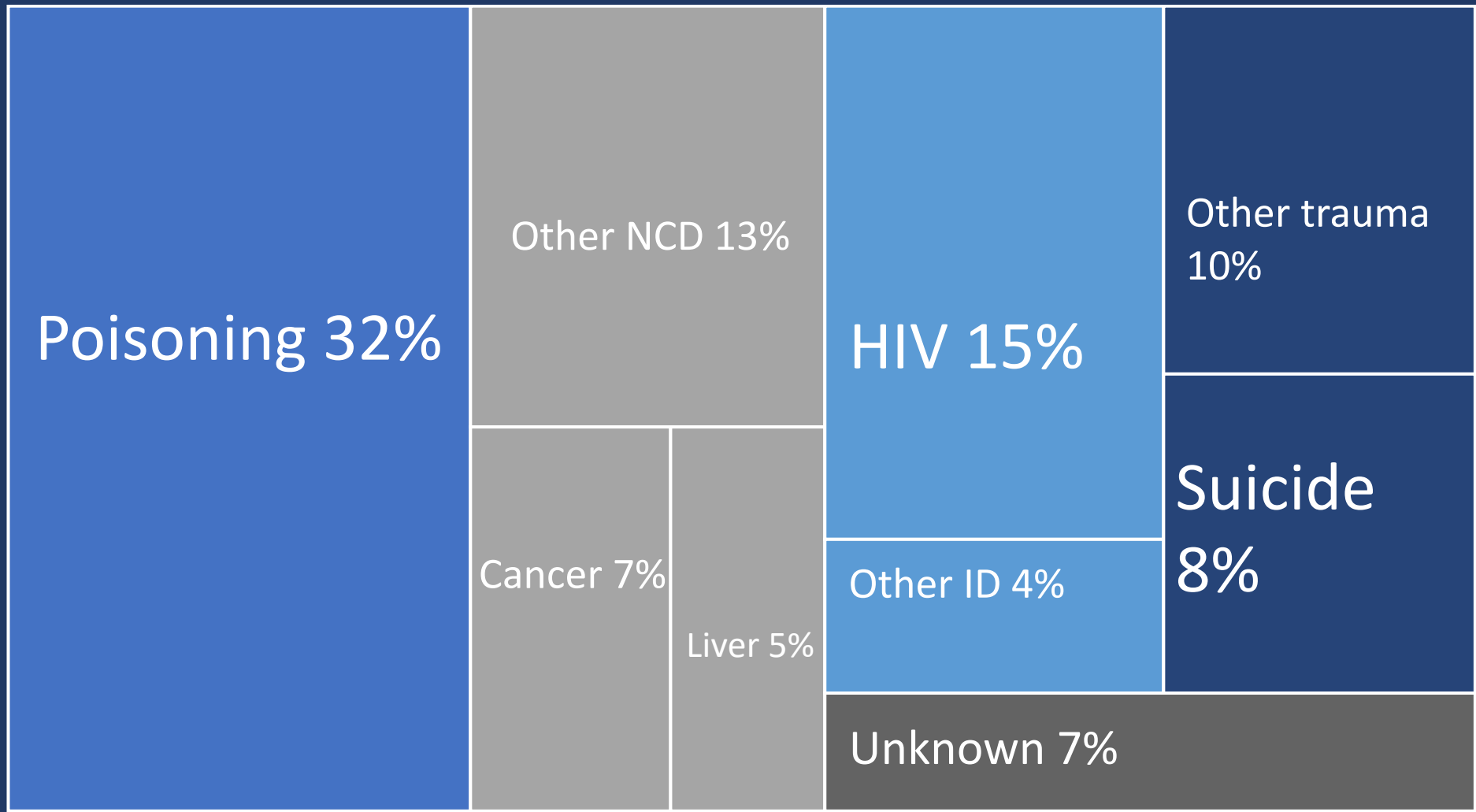
Cancer 7%

Liver 5%

Other ID 4%

Suicide
8%

Unknown 7%





Multiple strategies to address multiple exposures



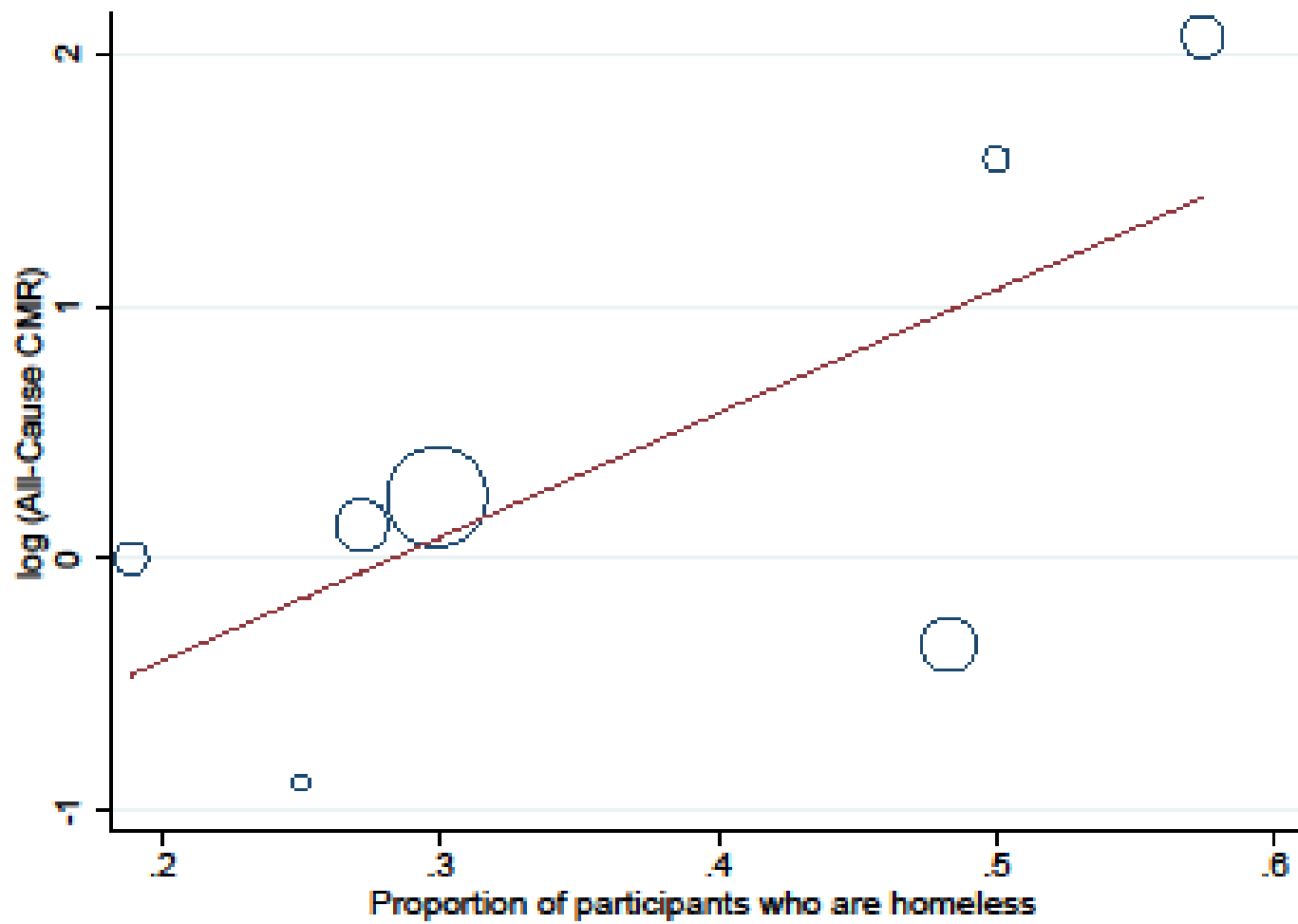
HIV TREATMENT as PREVENTION
A HIGHLY EFFECTIVE STRATEGY TO PREVENT THE SEXUAL TRANSMISSION OF HIV

People living with HIV who take **HIV medication daily as prescribed**

and get and keep an **undetectable viral load**

have effectively **no risk of sexually transmitting HIV** to their HIV-negative partners

LEARN MORE AT HIV.GOV/TASP





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