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Understanding the health of people with overlapping experiences of homelessness, justice involvement, problem drug use, and psychosis

Lessons from administrative data

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PHINS seminar – 15th Nov 2022

Introduction

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Glasgow suffers Britain's worst HIV epidemic in over 30 years

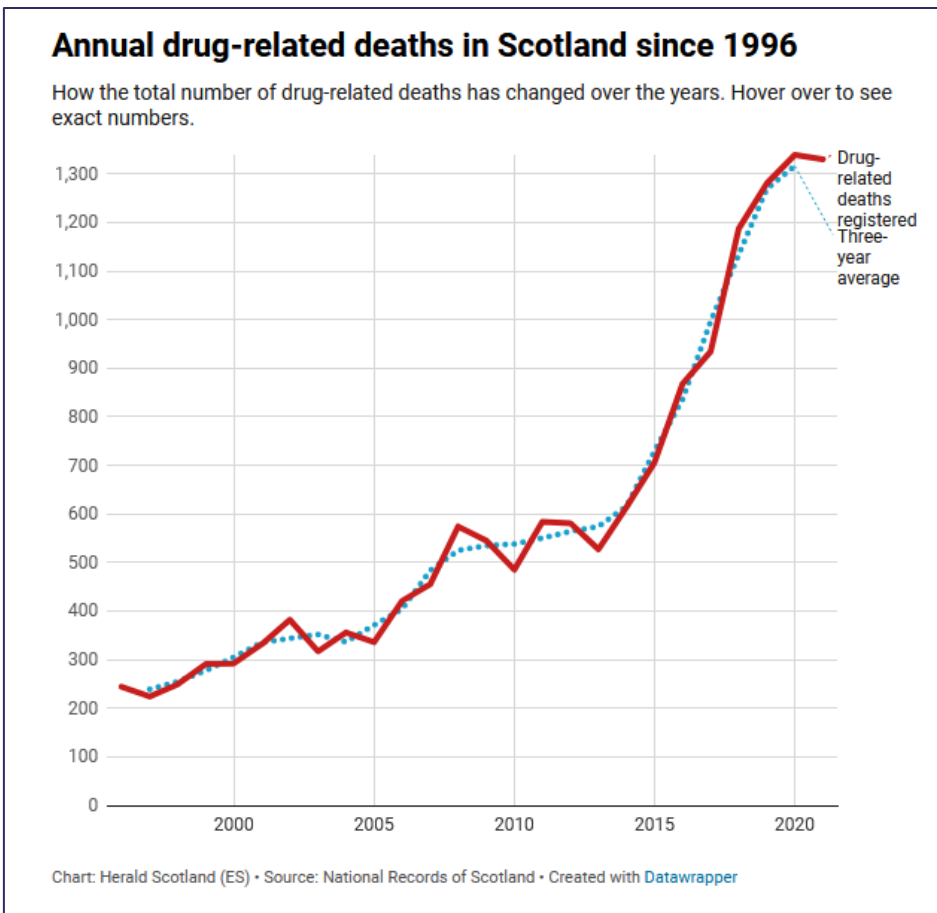
HEALTH | HIV | DRUGS | GLASGOW | Tuesday 9 April 2019 at 5:00pm

 **Peter Smith**
Scotland Correspondent



mental welfare
commission for scotland

Ending the exclusion:
Care, treatment and support for people with mental ill health and problem substance use in Scotland



Crime

Proportion of prisoners in Scotland among highest in Europe

The proportion of people in prison or on probation in Scotland is among the highest in Europe and significantly higher than elsewhere in the UK, figures show.

By The Newsroom
22nd May 2019, 7:00am



Wider context

The data available to us
shape our research, our
practice, our policies, our
worldview...



Experiences of interest

Experiences of interest

Homelessness

Justice
involvement

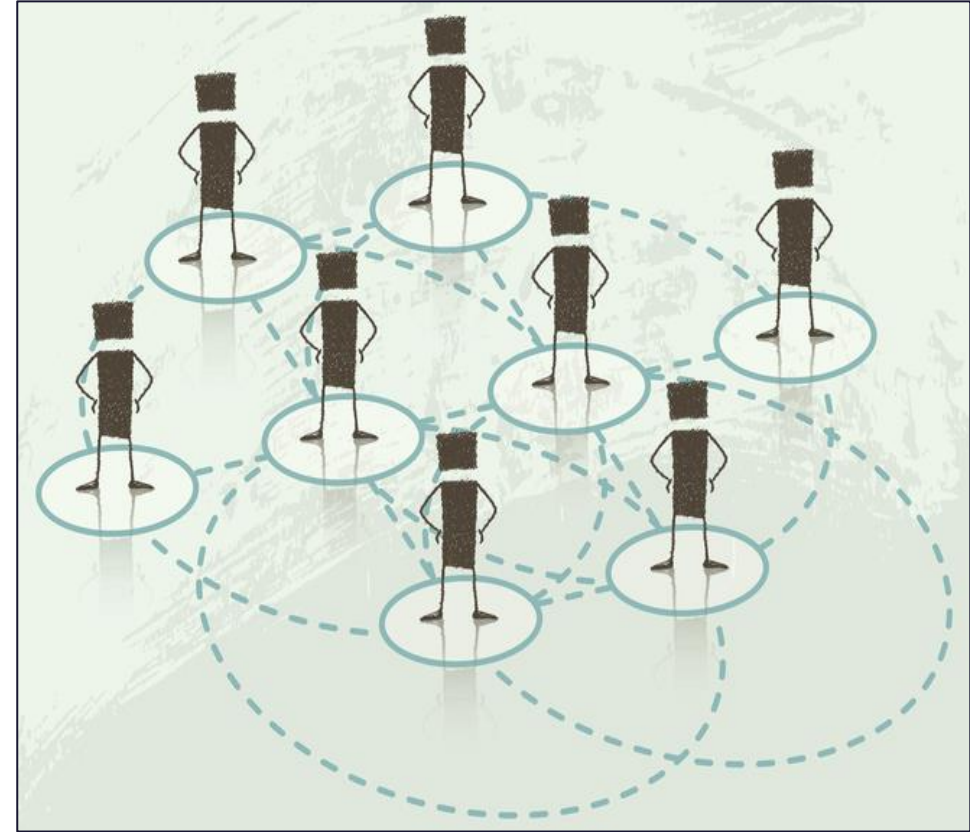
Problem drug use

Severe mental
illness

- Each associated with profound health inequalities
- Appear to overlap significantly in the population
- Limited evidence from UK about this, especially health outcomes
- Challenges for research in this area

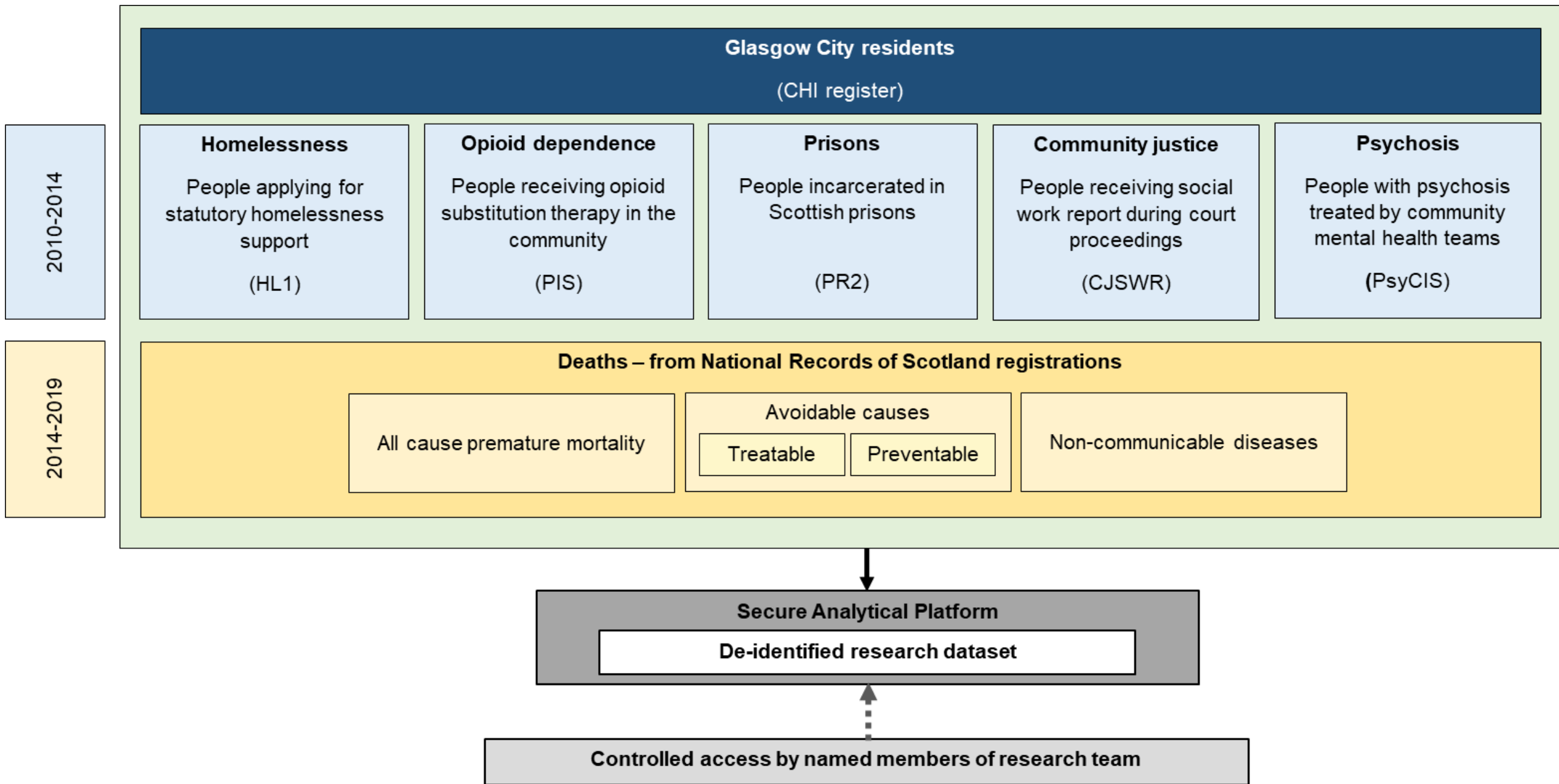
Administrative data

- The 'data exhaust' of everyday life
- Can link records between different services & sectors



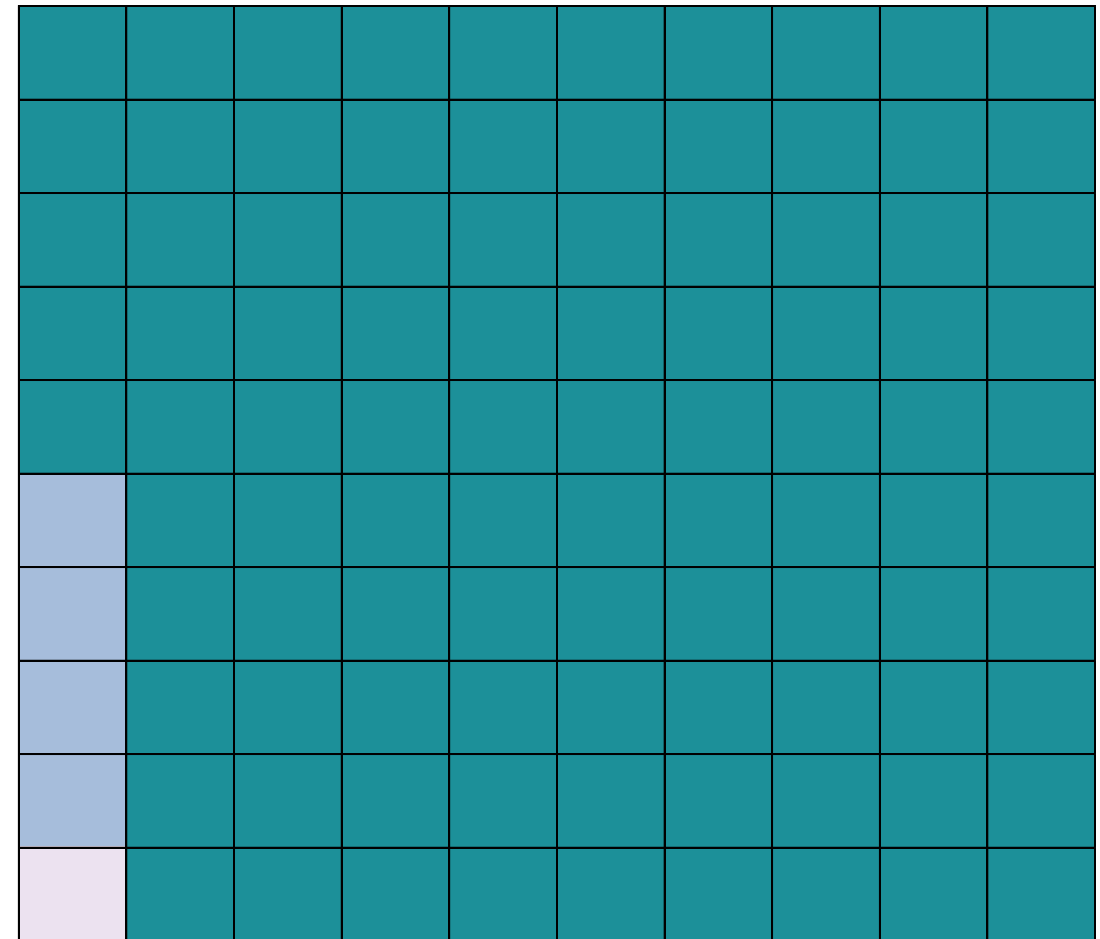
Our question

Can we combine existing datasets to better understand the intersections between homelessness, justice involvement, problem drug use, and severe mental illness, and what these intersections mean for health?



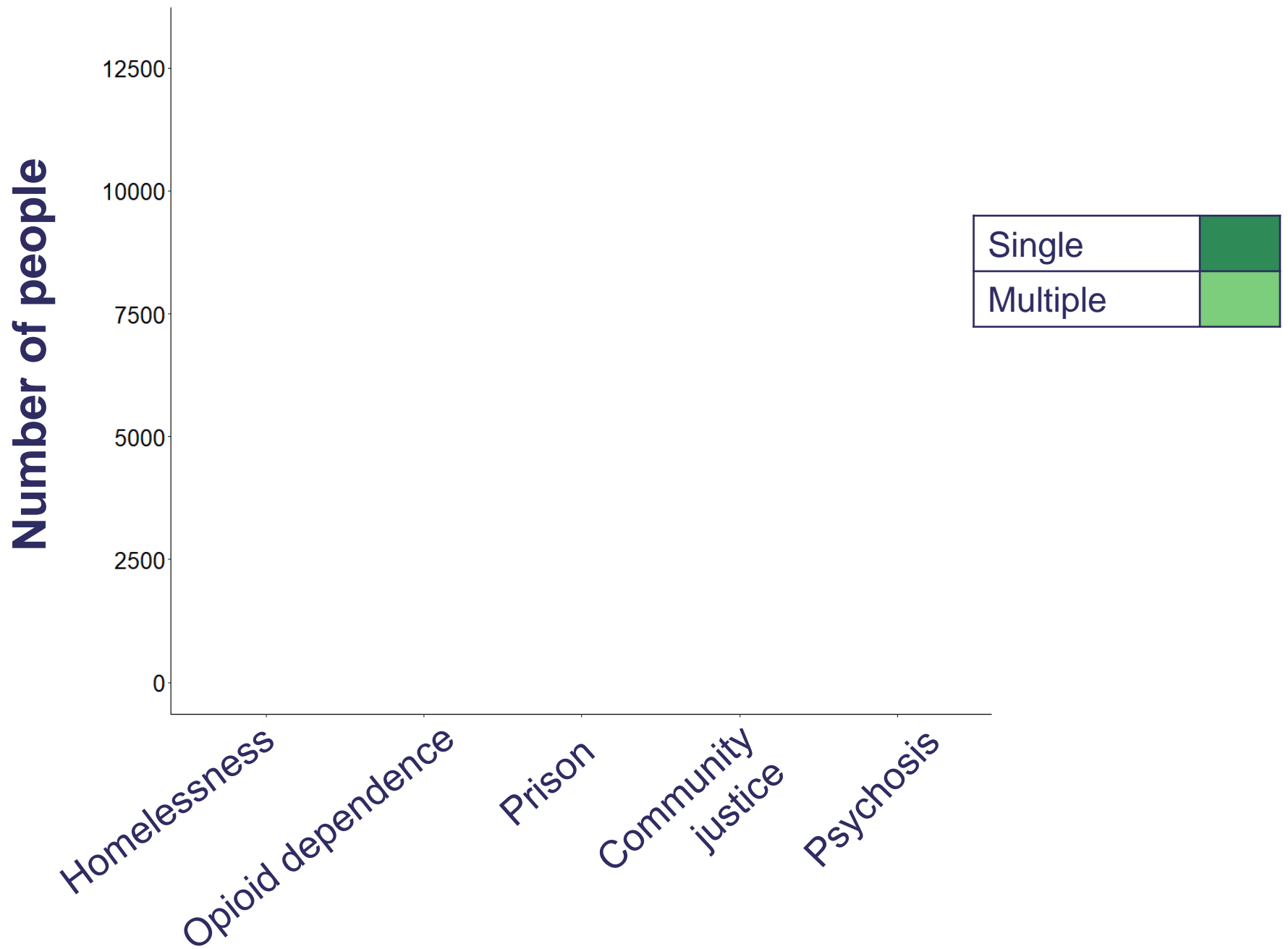
Findings

- 536,353 adults in cohort
- 5% had any experiences of interest
- 1% had more than 1

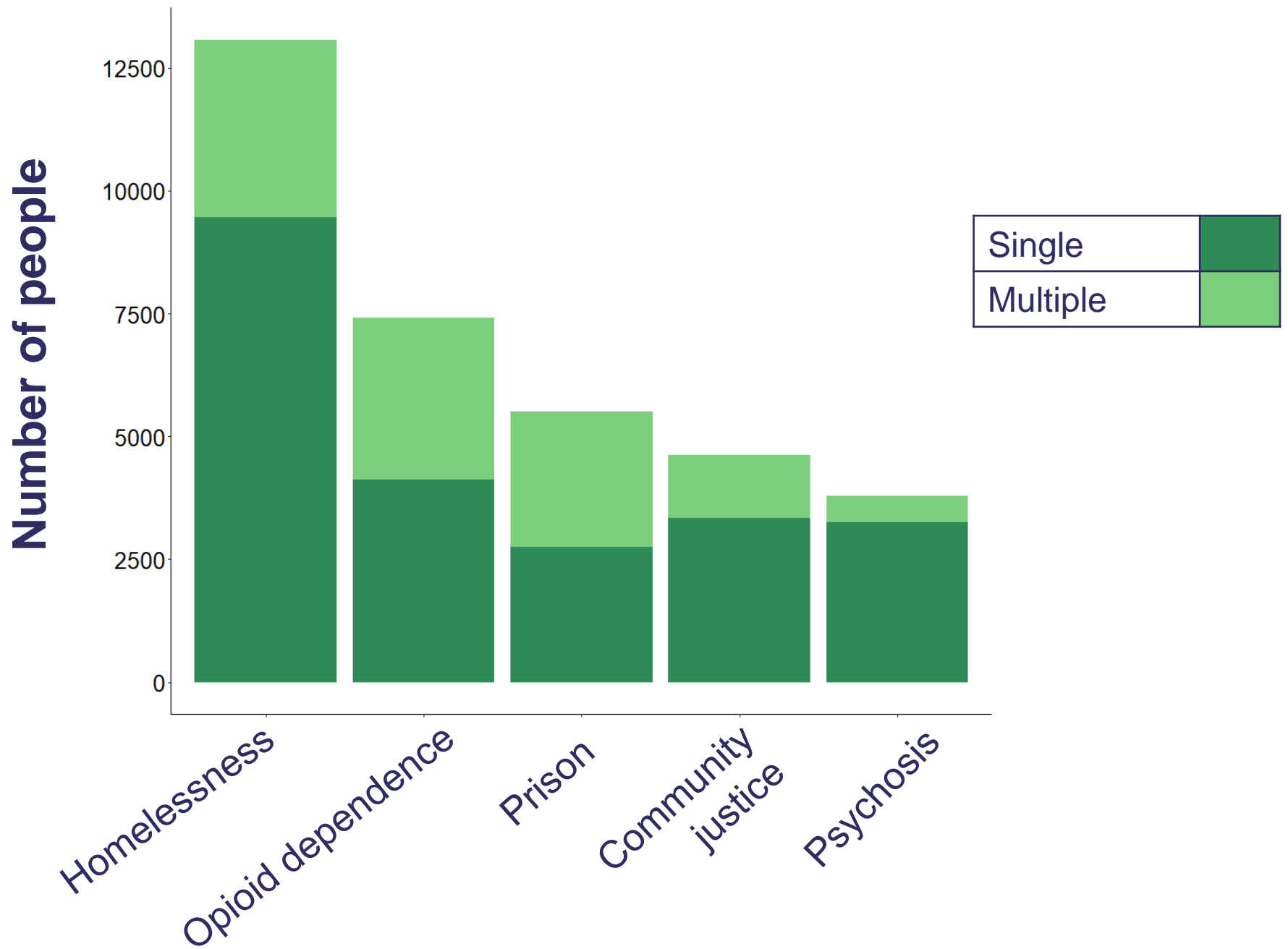


None  Single  Multiple 

Any exposure



Any exposure



Demographic characteristics

- Most – though not all – experiences show male predominance
- Majority of those affected aged 30-50 years
- More likely to live in most deprived areas of Scotland
- Where ethnicity data available, mostly White Scottish/British

**How much more likely are people affected by these experiences to die early,
compared to unaffected people?**

Each stick figure represents a one-fold increase in the likelihood of dying early compared to unaffected people – e.g., people with any of these experiences are four times more likely to die early than the rest of the population

**How much more likely are people affected by these experiences to die early,
compared to unaffected people?**












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Any of the experiences



How much more likely are people affected by these experiences to die early, compared to unaffected people?

Each stick figure represents a one-fold increase in the likelihood of dying early compared to unaffected people – e.g., people with any of these experiences are four times more likely to die early than the rest of the population

Any of the experiences below		
	On its own	Plus other forms of disadvantage
Homelessness		
Opioid dependence		
Prison		
Community justice		
Psychosis		

Deaths from avoidable causes & NCDs

Substantial burden – especially among those with multiple disadvantage



Implications

Implications

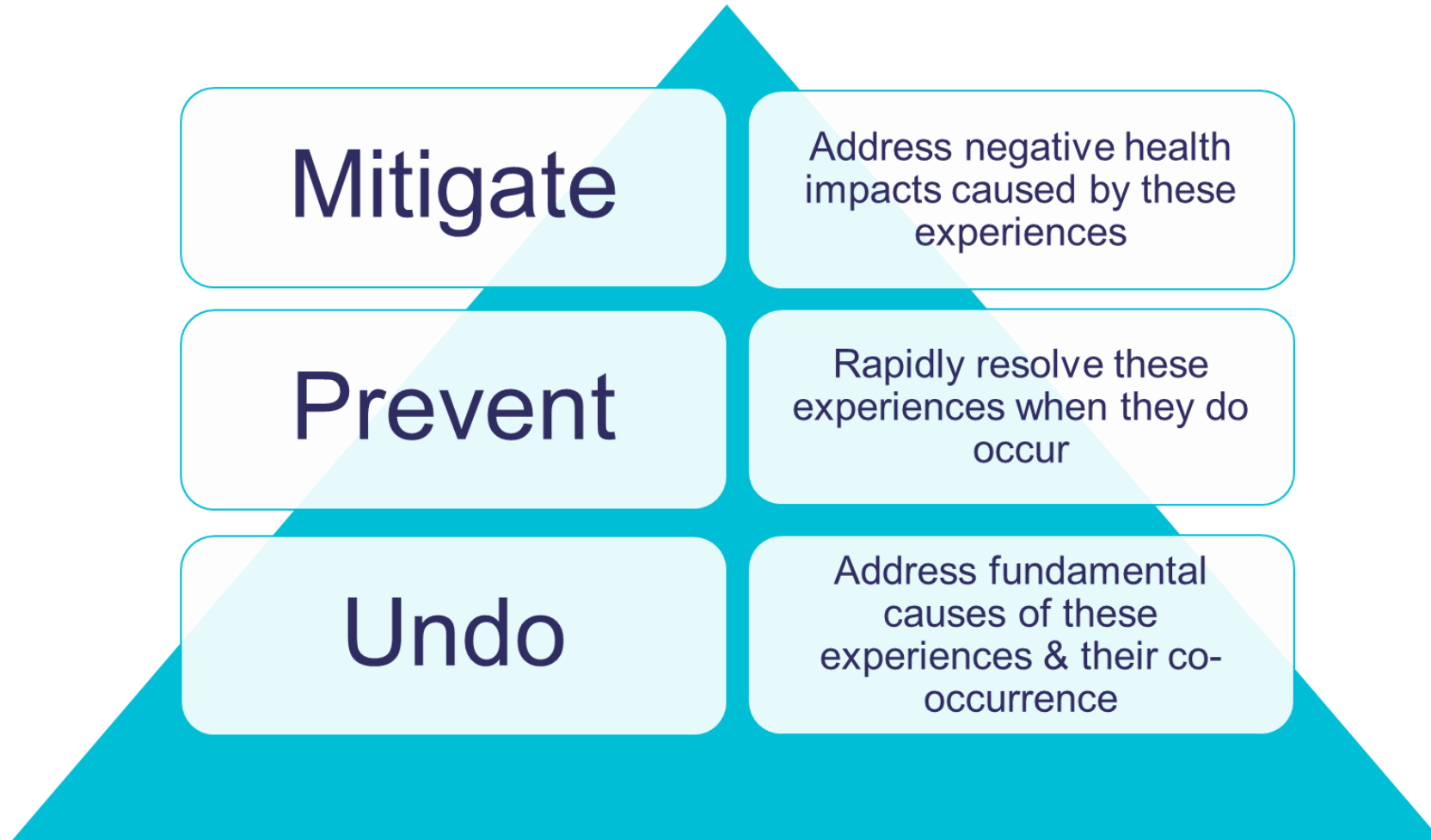


Making the intersections visible

Data like these can help ensure that our research, services, and policies are better tailored to the populations we serve and the burden of ill-health

Implications

Need action at multiple levels, across different sectors



Implications

Moving beyond description

Opportunities to use datasets like these to evaluate & model the health and inequality impacts of social policies



Implications



Harnessing the potential of routine data

Requires well-resourced & responsive infrastructure, and close collaboration with stakeholders (including the public)

Acknowledgements

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- Stakeholder advisory group and public engagement participants

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Thank you