CREMS Webinar Series: Welcome!

UPCOMING WEBINARS



JULY 30, 2015: 2PM AEST
Co-occuring mental health and substance use disorders: how do they affect young people?

DR CATH CHAPMAN



SEPTEMBER 9, 2015: 11AM AEST
Using eHealth to treat co-occurring mental health and substance use disorders in youth

MR MARK DEADY



NOVEMBER 5, 2015: 2PM AEST
Locating free resources to support evidence-based practice

DR ERICA CROME

To find our more: http://comorbidity.edu.au/training/webinars

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AVAILABLE ON DEMAND



Drug and alcohol use among young people. What can parents and schools do to prevent the harms?

DR NICOLA NEWTON AND DR LEXINE STAPINSKI

Alcohol & Cannabis Module

What is CREMS?

CREMS aims to significantly improve

- understanding
- prevention
- treatment



of comorbid mental health disorders and substance use

NHMRC Centre of Research Excellence in Mental Health and Substance Use (CREMS)

CREMS Team



NHMRC Centre of Research Excellence in Mental Health and Substance Use (CREMS)

Directed by Prof Maree Teesson

Comorbidity what is it and how does it affect young people?

Dr Cath Chapman











Overview

What is comorbidity?

- 1. What do we know about comorbidity among young people in Australia?
- 2. Recent trends
- 3. Implications and future directions



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What is comorbidity?

The co-occurrence of more than one disorder within an individual

- Substance use and mental disorders
- → >1 mental disorder
- Mental and physical disorders
- *At the same time or over lifetime



What is comorbidity?

- Mood Disorders
- Anxiety Disorders
- Substance Use Disorders









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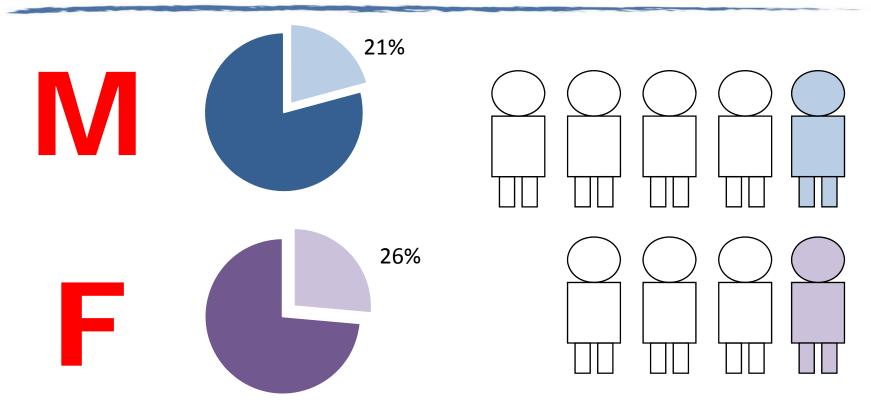


Data source

- The Australian National Survey of Mental Health and Wellbeing (NSMHWB, 2007)
- Nationally representative household survey of 8841 people aged 16-85
- Structured diagnostic interview of mental and substance use disorders



How many young people?



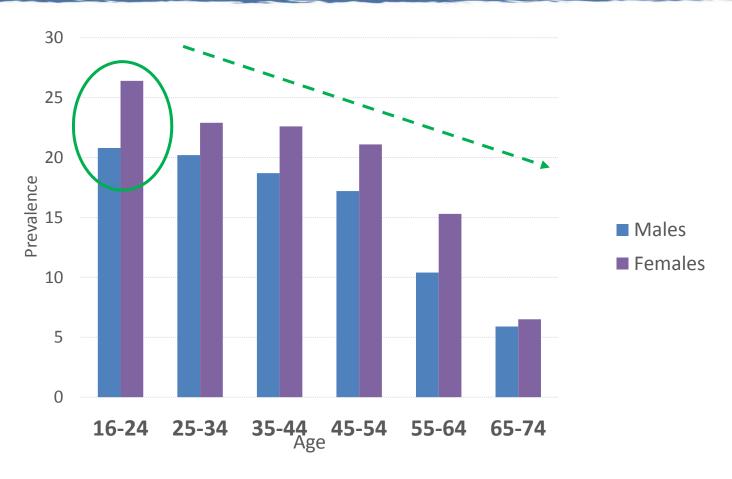
In any year 1 in 4 young people will meet criteria for a mental or substance use disorder



>670,000 Australians



How do rates compare?



Mental and substance use disorders are more common in young people



What is the impact?

- Mental and substance use disorders are the leading cause of disability in young people (aged 10-24) around the globe
 - 1. Depression
 - 2. Road traffic accidents
 - 3. Schizophrenia
 - 4. Bipolar Disorder
 - 5. Violence
 - 6. Alcohol use
 - 7. HIV/AIDS
 - 8. Self-inflicted injuries
 - 9. Tuberculosis
 - 10. Lower Respiratory Infections



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5/10



What types of disorders?





Substance
Use
Disorders
15%

Anxiety
Disorders
7%

Mood Disorders 4%





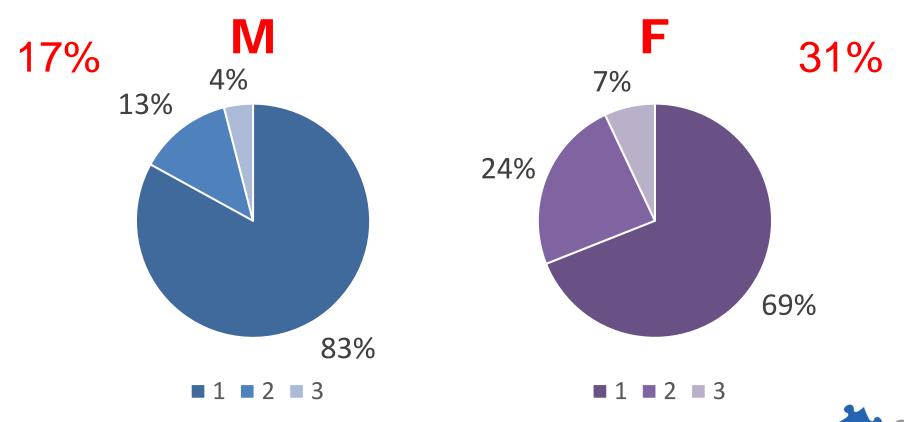
Anxiety Disorders 18% Substance
Use
Disorders
10%

Mood Disorders 8%



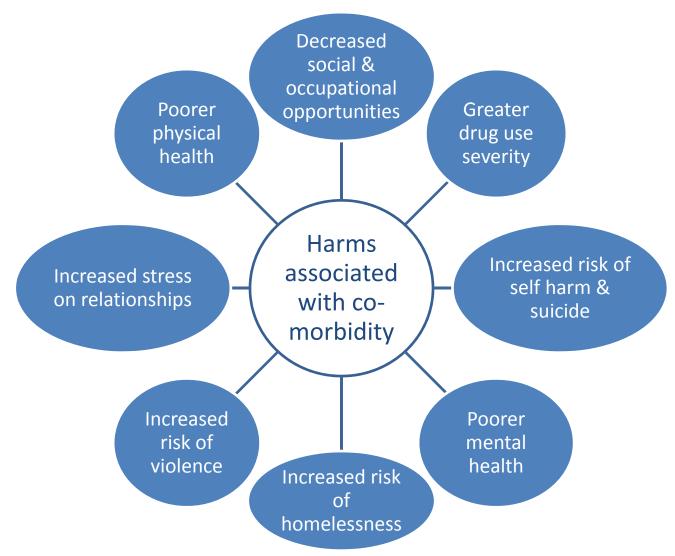
How many disorders?

25% of young people with a mental or substance use disorder have more than one



Comorbidity is more common in females

Why does comorbidity matter?





Poll

Which disorders tend to develop first?

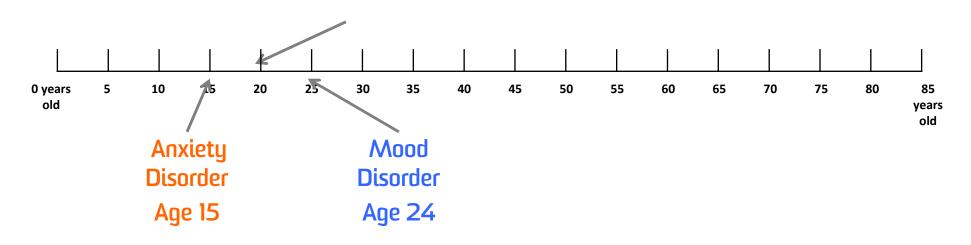
- 1. Mood disorders?
- 2. Substance use disorders?
- 3. Anxiety disorders?



When do disorders begin?

"When was the <u>first</u> time you had symptoms like..."

Substance Use Disorder
Age 19

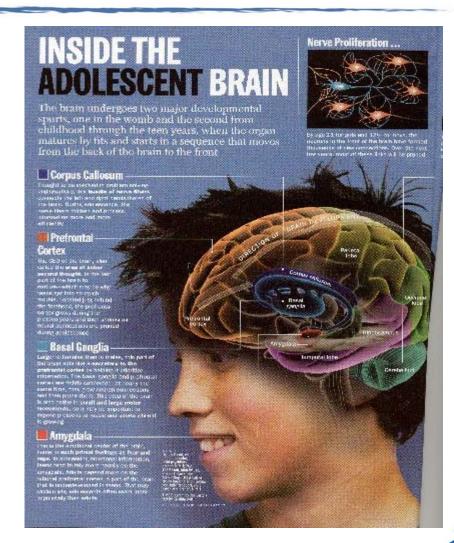


- Mental and substance use disorders begin in adolescence and early adulthood
- Any disorder increases the risk of developing any other disorder

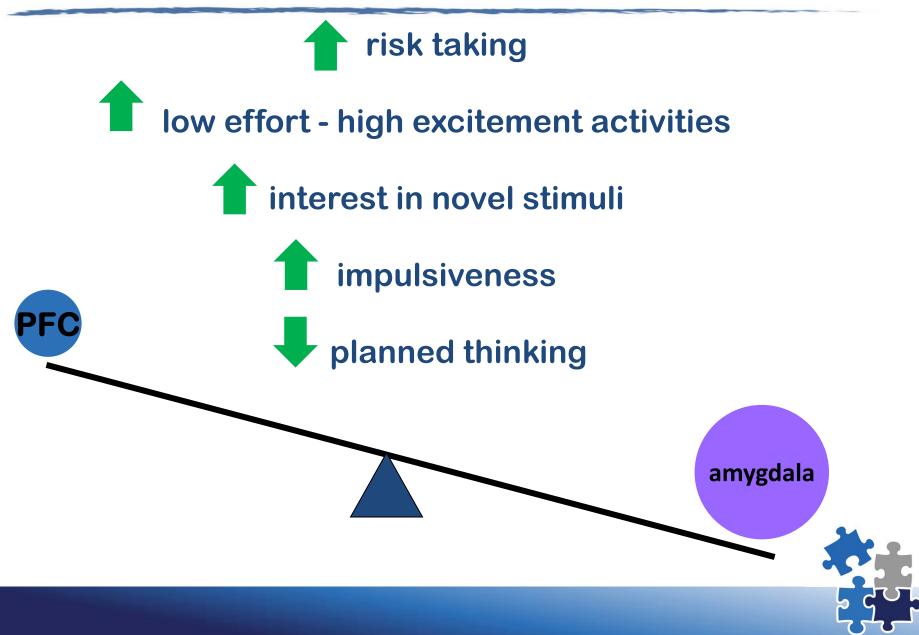


How important is onset?

- * Adolescence is a time of profound brain development
- Brain maturation is not complete until age 24



How important is onset?



How important is onset?

- Early onset is associated with a number of negative outcomes
- 3-10 times less likely to complete year10 of high school
- Less likely to get to treatment

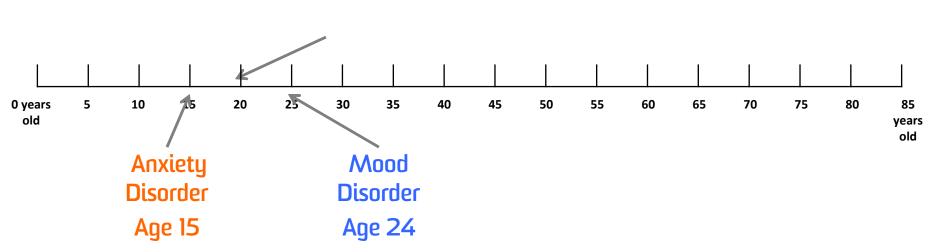




What about onset of comorbidity?

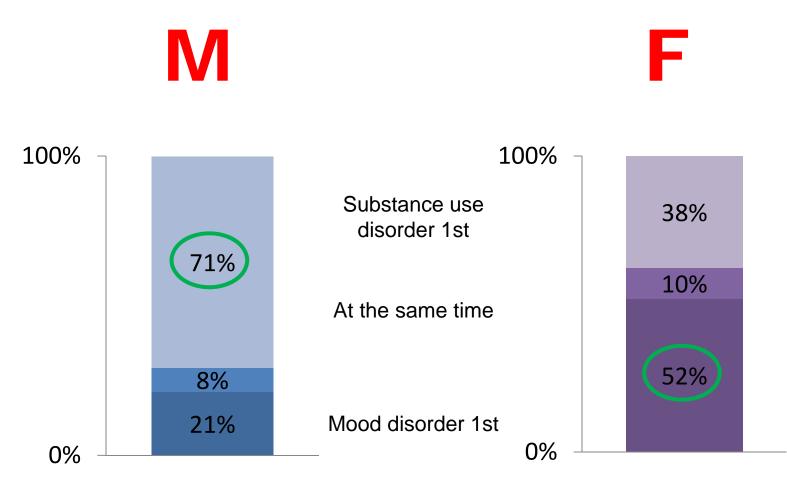
When anxiety disorders co-occur with other disorders they usually develop first





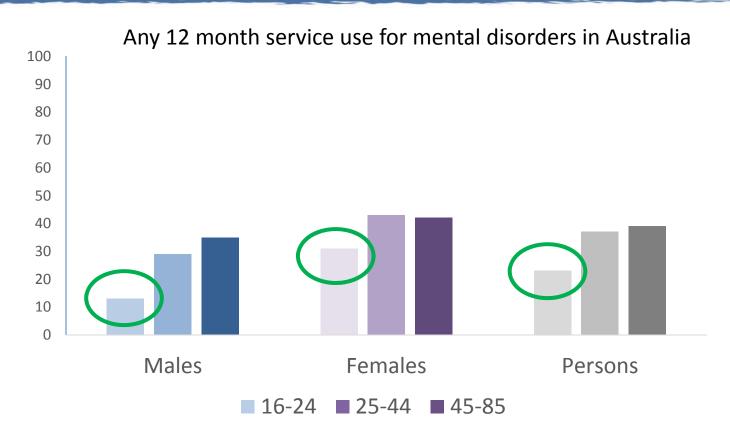


Mood and substance use disorders





Do young people seek help?



- Overall, less than 1 in 4 young people with a mental and substance use disorder seek help
- Rates of help-seeking are lower among young people

So far.....

- 1 in 4 young people will have a mental or substance use disorder
- ...of whom 25% will have more than one
- Comorbidity is more common in females
- Most disorders begin during adolescence or early adulthood
- The impact of comorbidity is substantial
- Most young people do not seek help



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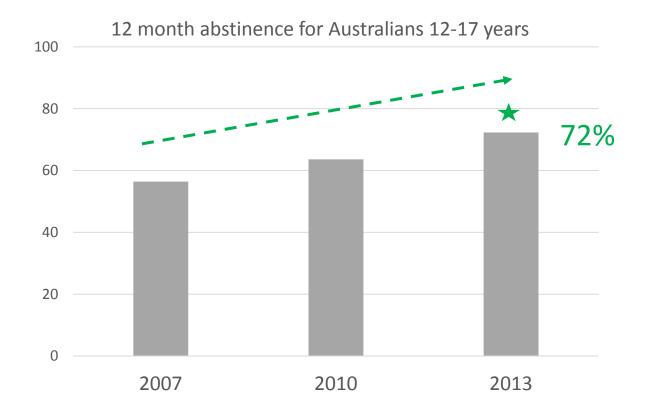
Data sources

- The National Drug Strategy Household Survey 2013 (NDSHS)
 - a nationally representative household survey that is repeated every 3 years (2013 n= 23,855)
- *A systematic review of the published literature on changing patterns of alcohol and cannabis use around the world



Recent Trends: Alcohol

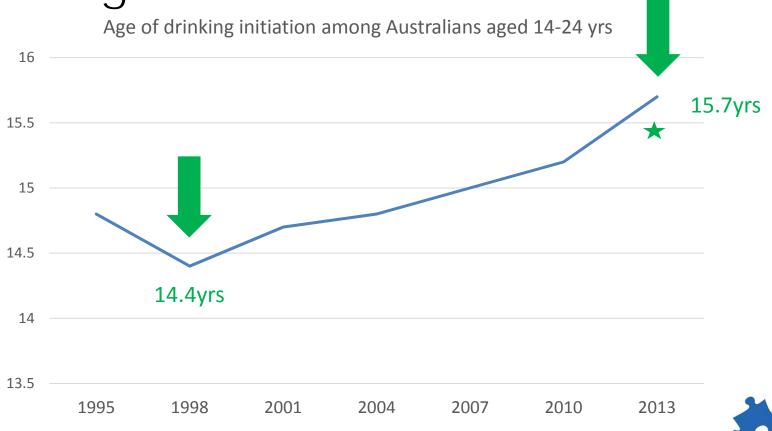
More young people are choosing not to drink





Recent Trends: Alcohol

Young people are delaying onset of drinking





Recent Trends: Alcohol

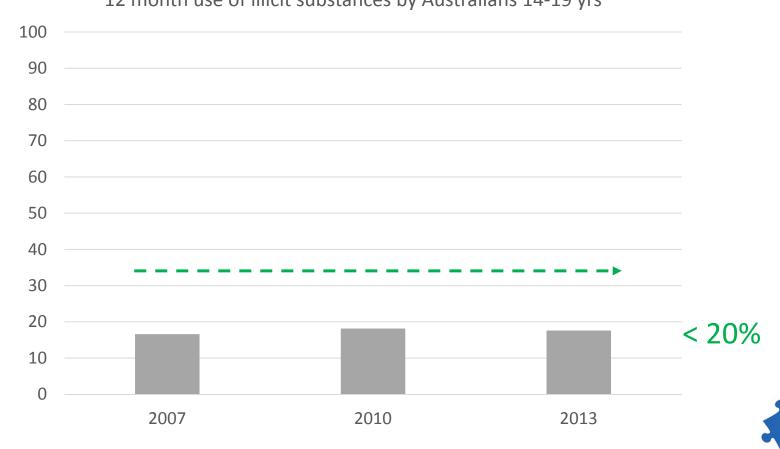
- Rates of very high risk binge drinking (11+ drinks) among 12-17 year olds have not shifted from 2010 to 2013
- ★5.5% at least yearly
- ★ 3.7% at least monthly
- Harms associated with binge drinking are substantial



Recent Trends: Illicit Drugs

*Rates of illicit drug use are fairly stable

12 month use of illicit substances by Australians 14-19 yrs



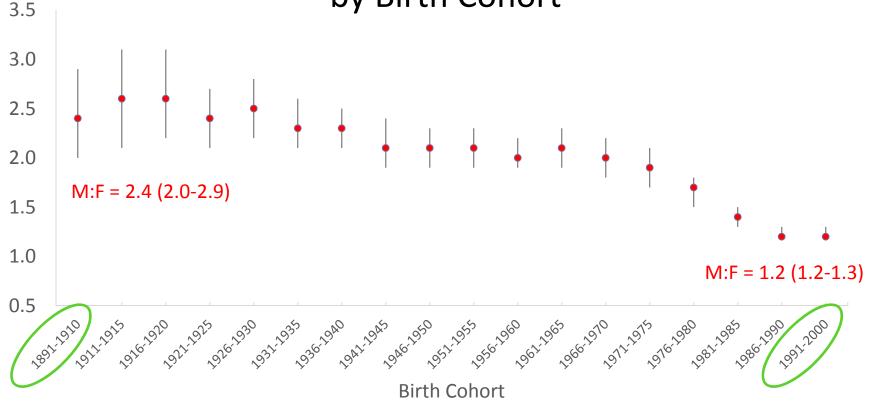
- Rates of substance use disorders and related harms are higher in males
- But are girls catching up?
- In a recent project we systematically summarised studies on sex differences in key indicators of alcohol and cannabis epidemiology
- Have these sex differences changed over time?



- We included data from 82 studies from around the world
- We examined 11 indicators of alcohol use and related harms and prevalence of cannabis use
- Mapped estimates onto birth cohorts from 1895-1991



Male to Female Ratio of Alcohol Use and Related Harms by Birth Cohort



68 studies in 36 countries among 4 426 673 people



- Changing Gender Roles as gender roles have converged so too have patterns of alcohol use
- Normalization of alcohol use drinking is becoming more acceptable among women
- Increased Strain females today are experiencing more stress and strain contributing to more problematic alcohol use

What are the key messages?

- Comorbidity among young people is common, high impact and untreated
- Comorbidity develops during adolescence and early adulthood
- Comorbidity is more common among young women
- *There are some positive changes in terms of alcohol use among young people in Australia
- But...harms are still significant and the gender gap is closing



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Implications

- Prevention and early intervention are crucial
- Deliver accurate and evidence-based information www.climateschools.com.au
- *Empower our young people to make positive choices www.postivechoices.org.au
- Make use of technology

www.dealproject.org.au

(Co-occurring depression and alcohol use)



Implications

- Reframe our thinking about young women and alcohol and drug use
- Pay attention to how young women (and young men)are responding to our prevention programs

https://comorbidity.edu.au/news/pure-rush-online-drug-education-game



Future Directions: Prevention

Prevention of co-occurring mental health and substance use disorders

www.cscstudy.org.au

- Understanding peer influence and its relationship to drug and alcohol use and mental health problems among adolescents
- Development of an internet based prevention program for parents



Future Directions: Epidemiology

- Lifecourse of alcohol use disorders: what role do comorbid mood and anxiety disorders play?
- *Age period cohort analysis of bingedrinking among Australians: what changes are occurring and are they the same for men and women?



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www.comorbidity.edu.au

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THANK YOU!

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Any questions?









Thanks for being part of the CREMS Webinar Series.



Video recording and handouts will be available at: comorbidity.edu.au/training/webinars

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Join us in Canberra at CREMS
Colloquium August 25, 2015
Innovative Treatments for
Mental and Substance Use
Disorders
Registration & Program Link

