

Attitudes to maternal drinking and factors associated with increased alcohol use during pregnancy and motherhood

MATERNAL ALCOHOL RESEARCH



SUPPORTING WOMEN

REDUCING HARM

Funding and conflicts of interest

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- No conflicts of interest.

Alcohol exposed pregnancy - UK

UK has one of the highest global reported prevalence rates of drinking during pregnancy (41.3 - 75%) (Popova et al., 2017, O'Keeffe et al., 2015).

Alcohol exposed pregnancy, even at low levels, can increase risk of miscarriage, premature birth, low birth weight (Mumruk et al., 2017).

UK has one of the highest modelled prevalence rates of foetal alcohol spectrum disorder (FASD, 3.2%) (Popova et al., 2017) with 17% of children screening positively (McQuire C et al., 2019).

FASD: lifelong neurodevelopmental disorder, associated with poorer life outcomes with an estimated cost of £150k/child/p/a in the UK (APPG on FASD, 2015).



Alcohol use during motherhood - Potential harms



Alcohol is leading risk factor for ill health and early mortality in women aged 15-49 years, covering typical childbearing age (Griswald et al., 2016).

Alcohol use disorder in mums can be associated with greater psychological distress in adolescent children (Rognmo et al., 2012).

Around 18% of UK mum are hazardous drinkers (Syed & Wolpert, 2018).

Non-dependent maternal drinking >> increased risk of infant death, hospitalisation, social services involvement, physical/mental health issues, alcohol problems, impaired mother-child relationships (McGovern et al., 2018).

Exposure to non-dependent parental drinking can have increase psychological distress, embarrassment, and shame in children (Bryant et al., 2020).

Roles?

Mums are often the primary caregiver

Stereotypes & Stigma?

Mums shouldn't drink - they should want what's best for the child

Survey: Attitudes and Motives



Survey: Attitudes and Motives

Pregnant women: 836

10% drinking since knowing
Median: 2.3 units p/week

Celebrate (63%)
Enjoy social occasion (71%)

Avoid harm to baby (free text)

No barriers (47.8)
Health info inconsistent/incorrect
(23.5 %)
How to change behaviour? (19.5%)
Pressure to drink (18.7%)

Mothers: 589

72% currently drinking
Median: 6.9 units p/week
1 in 5 drinking above 14 units p/week
1 in 20 with AUDIT 16+ (probable AUD)

Celebrate (94%)
Enjoy social occasion (93%)
To have fun (86%)
To feel less stressed (64%)

Too tired (30.6%)
Want to be healthy (28%)
Breastfeeding (22.6%)
Child welfare (21.4%)
Weight management (21.4%)

No barriers (35%)
Motherhood is stressful (49.5%)
Pressure to drink (48%)
How to change behaviour? (42.5%)

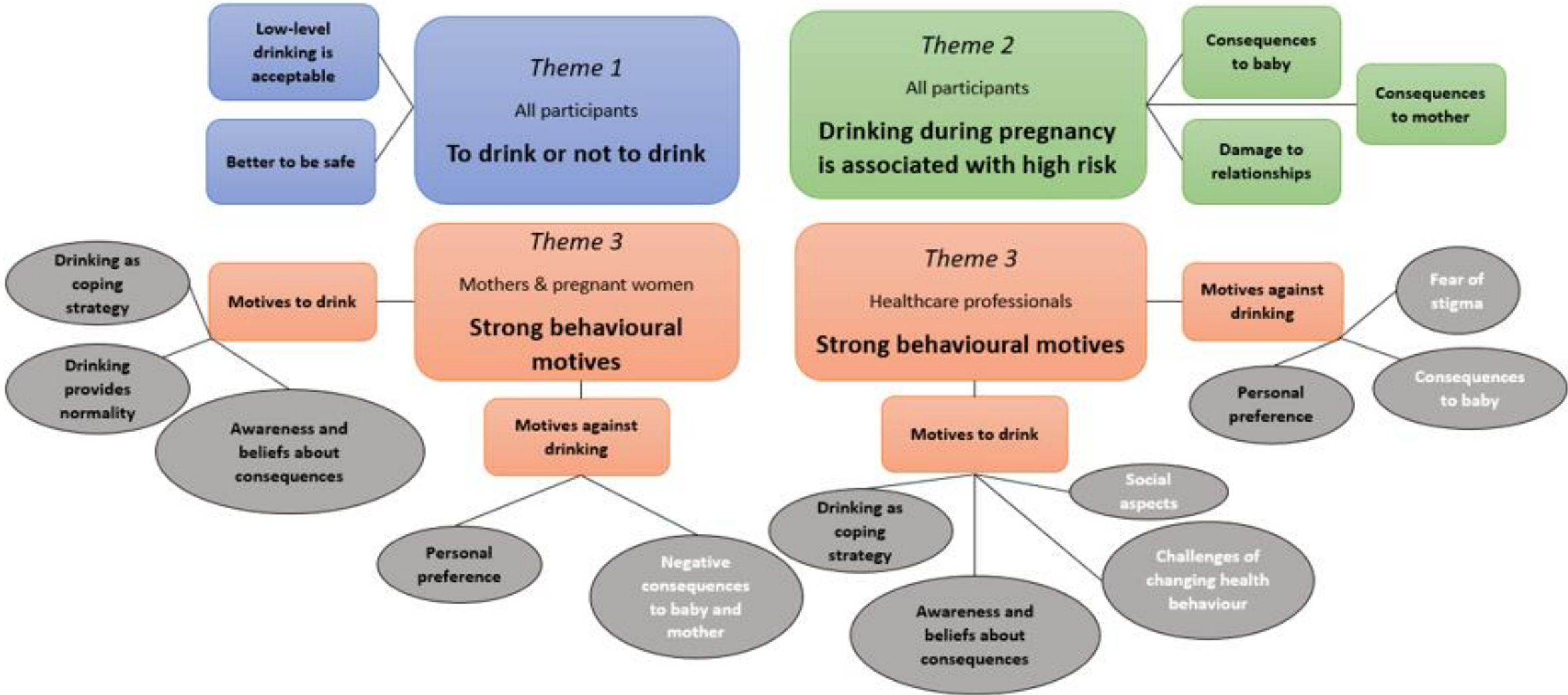
"Before I became a mother I drank to socialise, and occasionally to cope with strong emotion. After I became a mother I started to drink to escape from stress and demands."

"I don't want a hangover with small children."

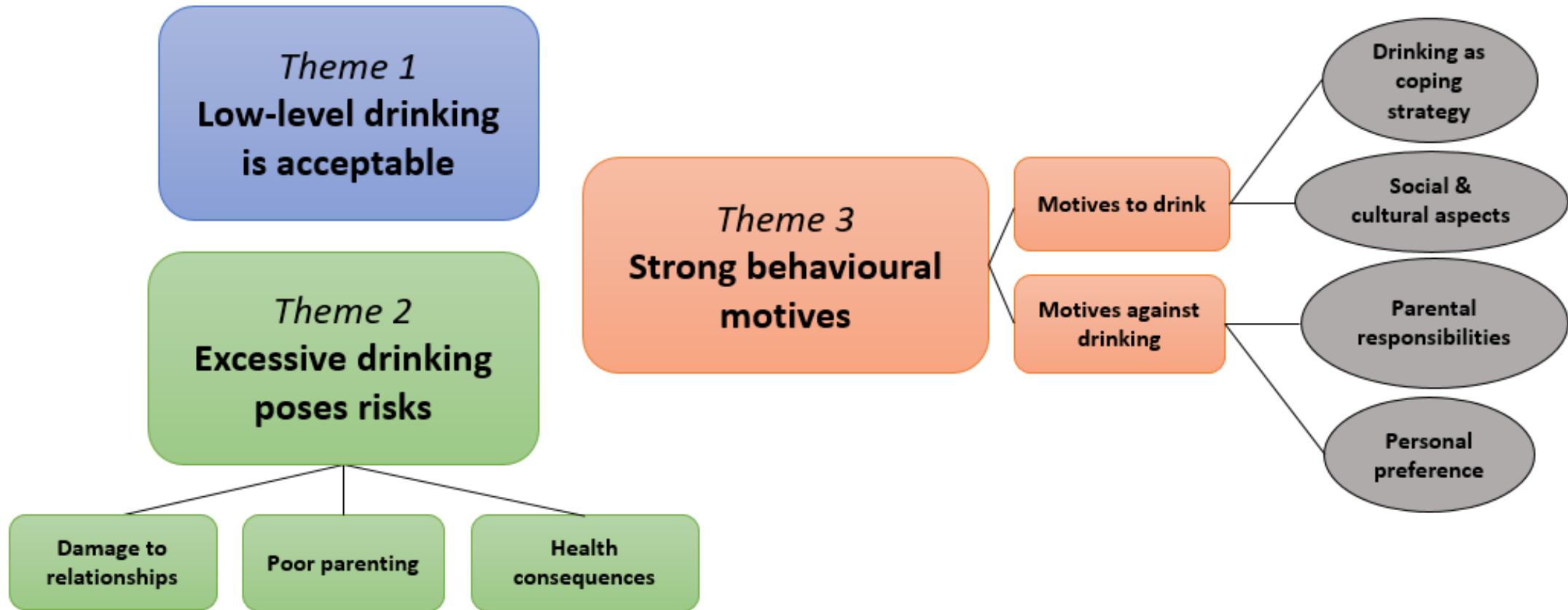
"I need to care for child."

Women were more likely to agree with statements *"I drink more than I should"*, *"I drink more when I'm in a negative mood"*, *"Alcohol makes me feel better"* if they were drinking higher levels of alcohol (**negative reinforcement**).

Views on alcohol use in pregnancy



Views on alcohol use in motherhood



What has been done?

Cochrane review (Lui et al, 2008) found no RCTs of psychosocial interventions for pregnant women seeking AUD treatment

Alcohol interventions applied to maternal populations

24 trials included in a narrative synthesis.

10 analysed through two meta-analyses (6 pregnancy, 4 motherhood).

ADDICTION

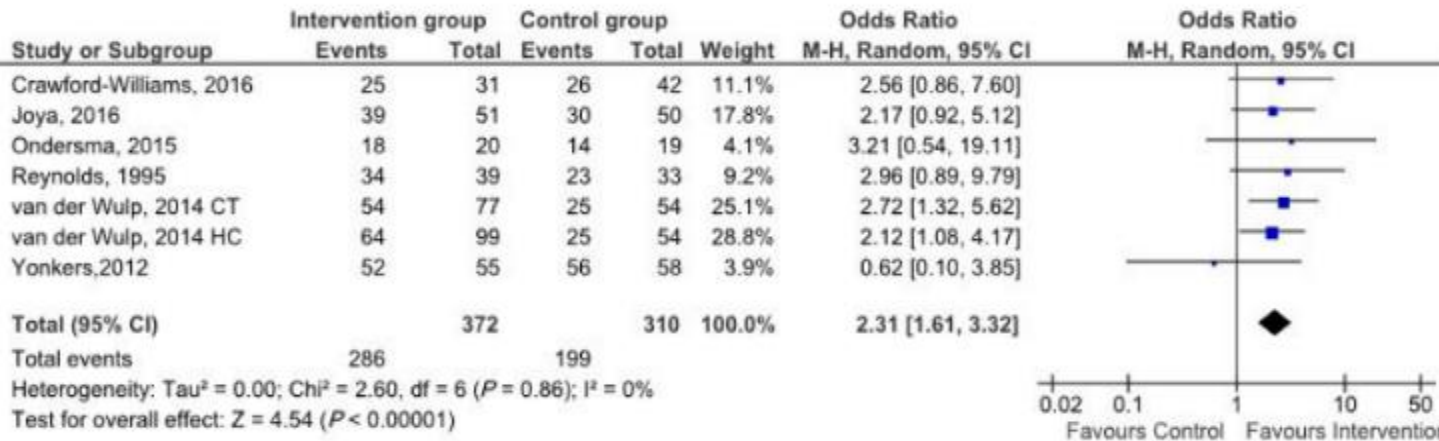
SSA SOCIETY FOR THE
STUDY OF
ADDICTION

Review

Are psychosocial interventions effective in reducing alcohol consumption during pregnancy and motherhood? A systematic review and meta-analysis

Katalin Ujhelyi Gomez, Laura Goodwin, Leanne Jackson, Andrew Jones, Anna Chisholm, Abigail K. Rose 

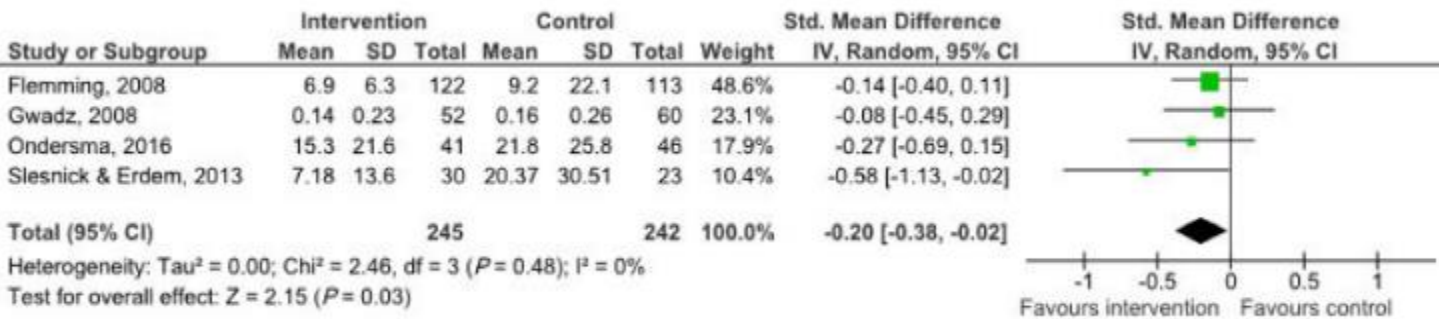
What has been done?



Interventions can be effective, but small-moderate effect.

Studies are of poor quality.

FIGURE 2 Forest plot showing an advantage for intervention group over control group in terms of abstinence in pregnancy. CT, computer-tailored feedback; HC, health counselling. [Colour figure can be viewed at wileyonlinelibrary.com]



Couldn't identify which Behaviour Change Techniques may have been associated with therapeutic effect.

FIGURE 3 Forest plot showing an advantage for intervention group over control group in terms of alcohol reduction in motherhood when all studies included. [Colour figure can be viewed at wileyonlinelibrary.com]

Potential benefit

In England and Wales, there were 817,515 conceptions in 2020, with 625,008 live births in 2021.

There are 11,165,000 families with children in the UK (8,154,000 with dependent children living at home).

Any strategies/interventions, even if only effective in a relatively small proportion of pregnant people and mums, can have a big impact.



Potential treatments

CMO guidelines are to avoid alcohol when trying to conceive and abstinence during pregnancy.

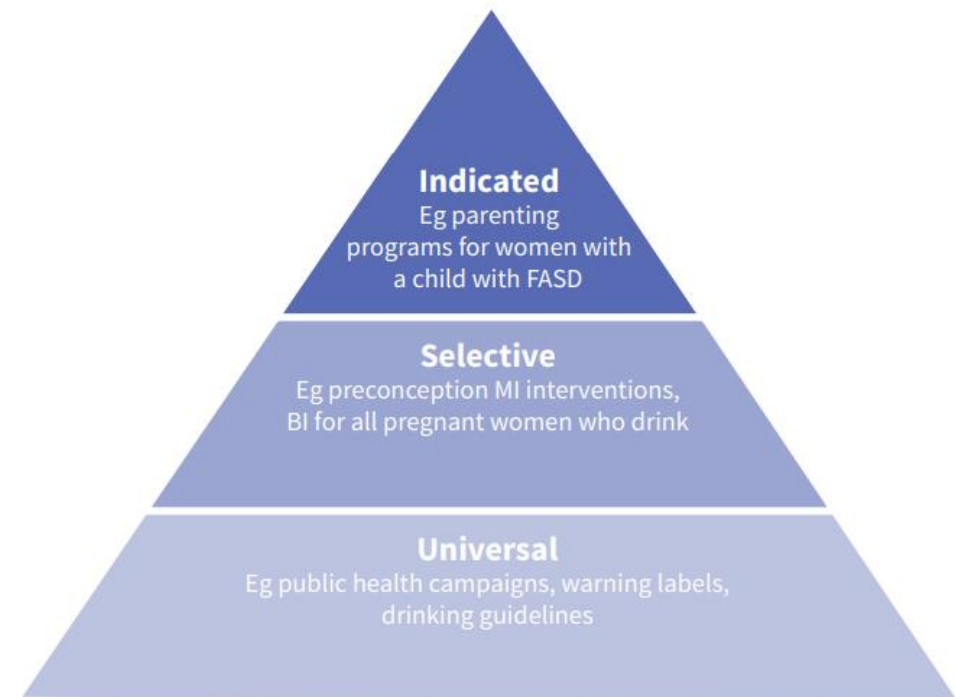
Different interventions are needed for different types of drinkers, ranging from low level alcohol use to alcohol use disorder.

Figure 2. Levels of prevention of prenatal alcohol use (adapted from Clarren et al., 2011).

But many people will not recognise their alcohol use as problematic (focus on extremes).

Many maternal drinkers feel they do not need individual/face to face interventions.

There's an issue with some women finding current provision of information patronising and/or insufficient.



Life course approach



Figure 1: Examples of alcohol harms across the life course

- Don't wait for a person to be pregnant.
 - Opportunities in schools/HEI to provide information on harms (to everyone!)
- Individual-based strategies tailored to the drivers and impact of maternal drinking.
- System-based strategies: health inequalities, cultural norms, industry messaging.
- Challenge stigma, don't blame/judge women for their alcohol choices.
- Stop telling women how to behave - explain why recommendations are what they are and help them develop adaptive strategies/alternative behaviours.

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Dr Laura Goodwin, Dr Kate Fleming, Dr Anna Chisolm

Dr Katalin Ujhelyi Gomez, Dr Amanda Atkinson

Please contact me for more information about this research or have any suggestions



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