

# Loneliness & Social Isolation

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## **Social Isolation**

- Reduced Social Networks (Seeman, 1996)
- Degree of social integration (e.g. amount of contact, living alone, socially excluded
- Distressing state for most
- Solitude A non-distressing aloneness that may include selfdiscovery, happiness, rest a relaxation.

## Social Isolation and Ioneliness

- Social isolation increases the risk of loneliness
- The relationship is weaker in older populations (rs = .20 to .30s)
- The relationship is stronger in young population (rs .50)
- Younger people value quantity of relationships over quality (Carmichael et al., 2015)
- Food Example: When you are hungry, you look for food. However, everyone has varying nutritional needs. Just because someone has access to food, does not mean that they will feel satisfied or become any healthier. Some people do not need a lot of food to feel satisfied. Same can be said in terms of loneliness. A socially isolated person may not feel lonely and a person who is socially connected may still feel lonely.



# Loneliness and biology

- Loneliness activates the Hypothalamo- Pituitary- Adrenocortical (HPA) Axis) which increases cortisol levels in the body.
- Reduces white matter structures
- Candidate Genes

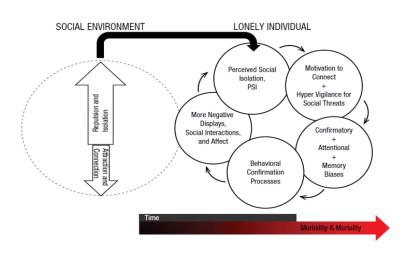
Seeman (2000); Caspi, Harrington, Moffitt, Milne, & Poulton (2006); Hawkley, Thisted, Masi & Cacioppo (2010); Hawkley & Cacioppo (2010); Cacioppo, Capitanio, & Cacioppo (2014)

## Loneliness and health

- Loneliness is associated with a 26% increased likelihood of mortality and morbidity.
- a) Poorer cardiovascular health
- b) Reduced immunity responses
- c) Reduced physical activity
- d) Higher risk of developing Alzheimer's Disease
- e) Poorer sleep quality

Cacioppo et al. (2002); Hawkley et al. (2003); Holt-Lunstad et al. (2016); Luo et al (2012); Wilson et al. (2007); Lim, Rodebaugh, Zyphur, & Gleeson (2016)

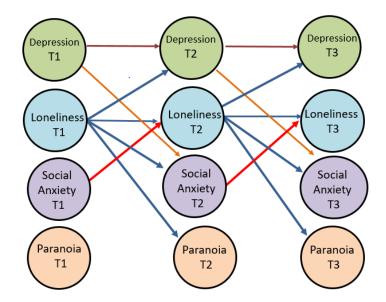
## A model of loneliness



The effects of loneliness on social cognition - Cacioppo et al. (2015)



# Loneliness & mental health



• Loneliness has links to depression, social anxiety and paranoia

Note: SL refers to state loneliness; SSA refers to state social anxiety; SDEP refers to state depression and SPA refers to state paranoia. Specific time points are indicated by numbers after SL, SSA, SDEP and SPA; 1 = Time 1, 2 = Time 2, 3 = Time 3. Adapted and modified from "Loneliness Over Time" by M.H Lim, T.L.R. Rodebaugh, M.J. Zyphur, & J.F.M Gleeson, *Journal of Abnormal Psychology*, 125, 2016, 620-630.

## Australian Loneliness Report summary

- Included 1678 Australians aged 18-85
- Loneliness affected on in four Australians
- Those with loneliness had poorer psychological health (increase in depression and social anxiety)
- 15.2% increase in risk of developing depression
- 13.1% increase in risk of developing social anxiety
- Australians were shown to regularly speak to friends and family
- Australians were less likely to speak to neighbours
  - a) A third of Australians had no neighbours they heard from on a monthly basis
  - b) 47 % had no neighbours they could call for help



 Australian Loneliness Report (2018) <u>https://researchbank.swinburne.edu.au/items/c1d9cd16-ddbe-417f-bbc4-3d499e95bdec/1/</u>

#### Loneliness is a threat to physical, psychological and community wellbeing

## **Targeted solutions**

• Reducing loneliness by targeting the individual, their relationships, the community and society

#### What is effective?

- Cognitive- behavioural approach + safe social opportunities changing views and addressing negative beliefs formed about others
- Strengths-based approach
  - Encourages hope, agency and control
  - Focus on interpersonal relationships gratitude, building intimacy via active constructive, positive body language, showing positive affect and kindness

# Where to from here?

- Health, social, education, workplace policies and urban planning
- Develop, evaluate and roll out evidence-based solutions appropriate for current service delivery models
- Using technology to facilitate not inhibit the development of meaningful social relationships

## Peer Tree

- A positive Psychology intervention delivered by smartphone application
- Able to be personalised, monitor mood, offer video based material, and offer a moderated chat forum
- Targeted at 16-25 year olds for a period duration of 10-12 weeks.



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