

Modelling the behavioural patterns of family violence aggressors in Aotearoa New Zealand

Dr Apriel Jolliffe Simpson

Applied Research in Crime and Justice Conference 2024

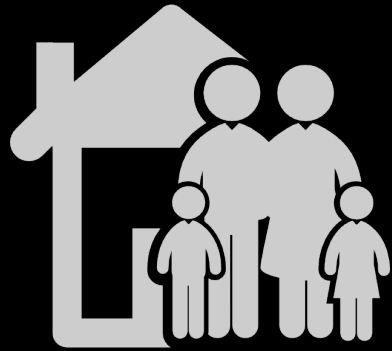


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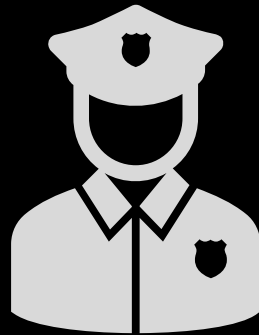


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Security and Crime Science

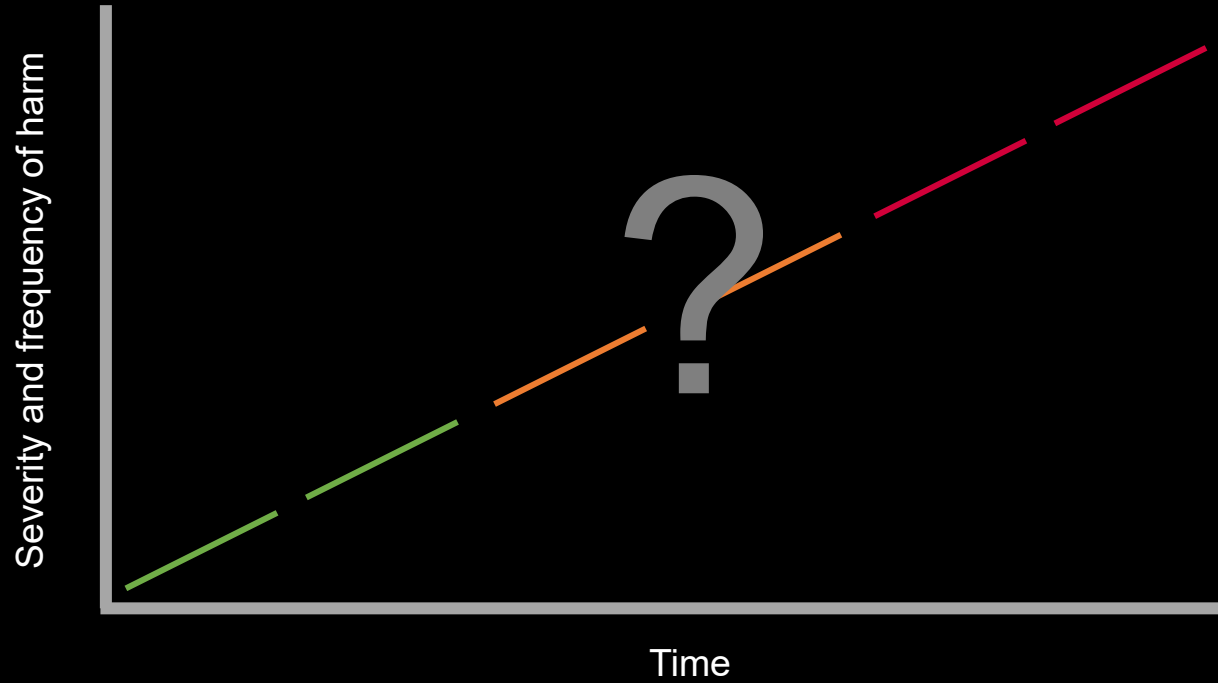
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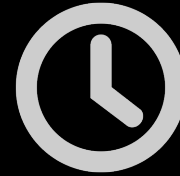
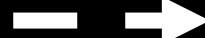
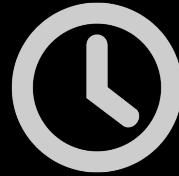
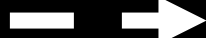
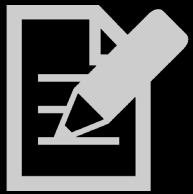
Family Violence Act (2018)

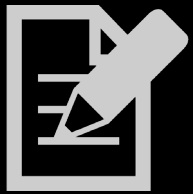


Dixon & Browne (2003), McEwan et al. (2018), Saxton et al. (2022)



Bland & Ariel (2015), Piquero et al. (2006), Swartout et al. (2012), Walker et al. (2013)

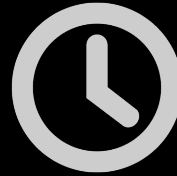




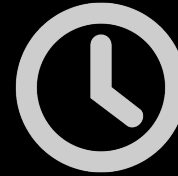
Reported information



Reported information



Reported information



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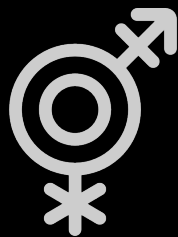


Can we estimate latent states from aggressors' harmful behaviour that is reported to police?

Are there common patterns aggressor behaviour over time?



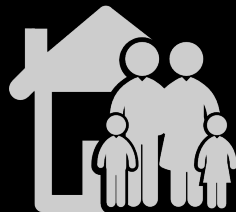
Identified index
sample of
reports for FV
episodes
(n ≈ 2115)



24.3% women, 75.6% men, 0.1% gender diverse



44.0% Māori, 43.9% European, 12.1% other



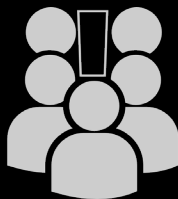
69.6% current or former partner, 18.3% parent or child, 6.1% siblings, 6.1% other



52.4% high, 13.0% moderate, 19.7% low, 14.9% no score



35.8% high, 23.3% moderate, 26.9% low, 14.0% not answered



6.0% high, 52.6% medium, 41.4% low



92.2%



30.9%



0.3%



13.8%

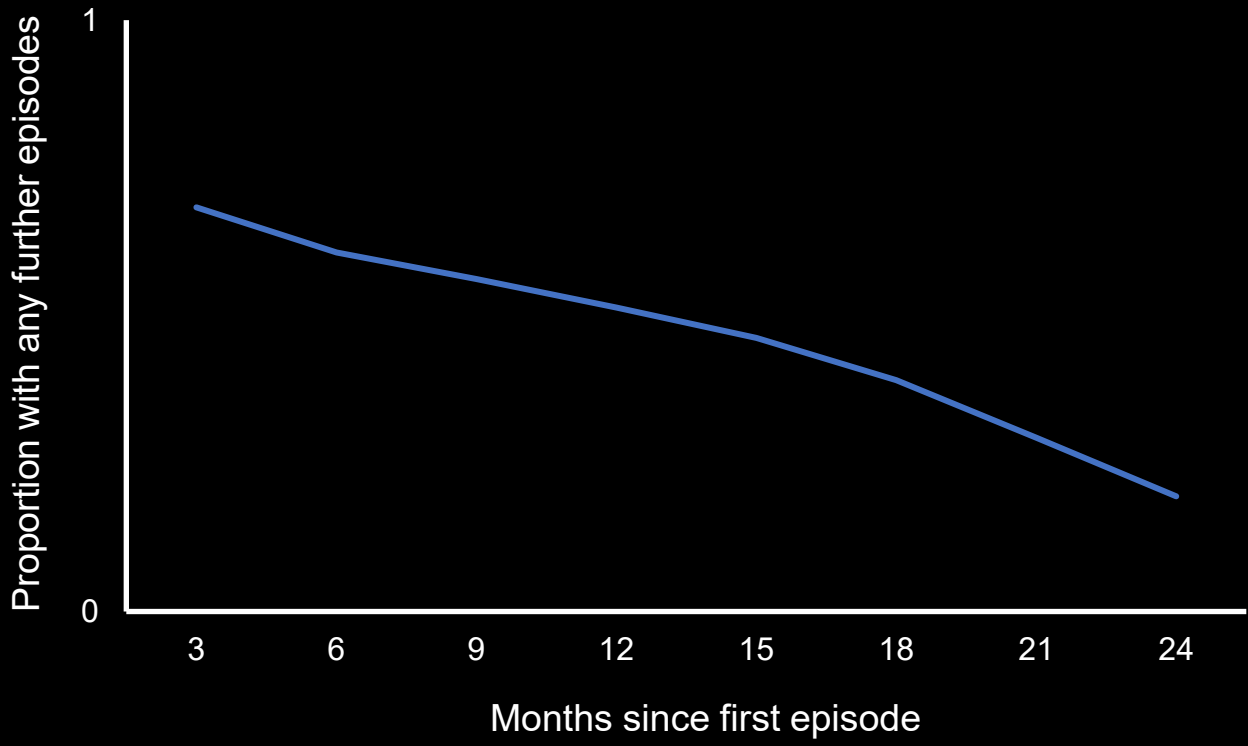


14.2%

Identified index
sample of
reports for FV
episodes
(n ≈ 2115)



Collected
recurrences
reported within 2
years of index
episode



Identified index
sample of
reports for FV
episodes
(n ≈ 2115)

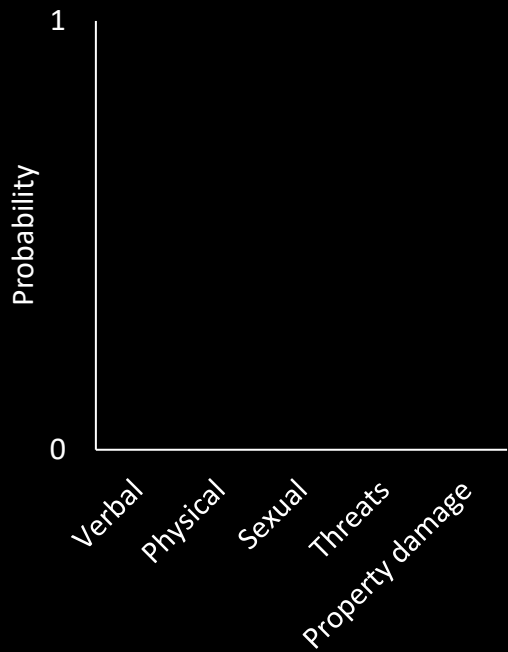


Collected
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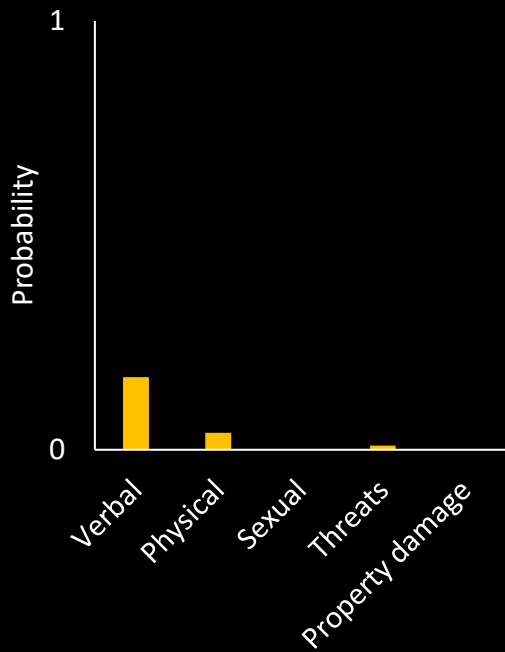


Modelled latent
states based on
reported harm

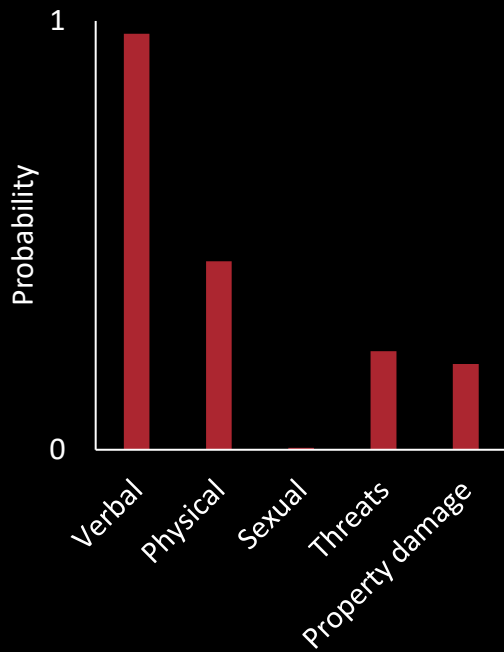




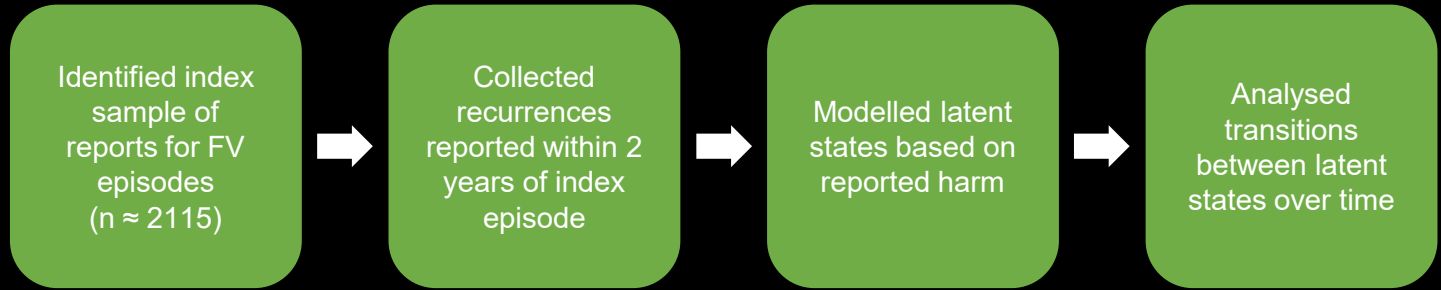
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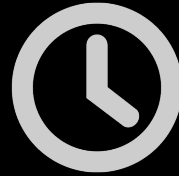
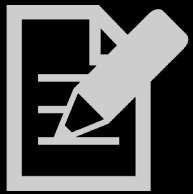


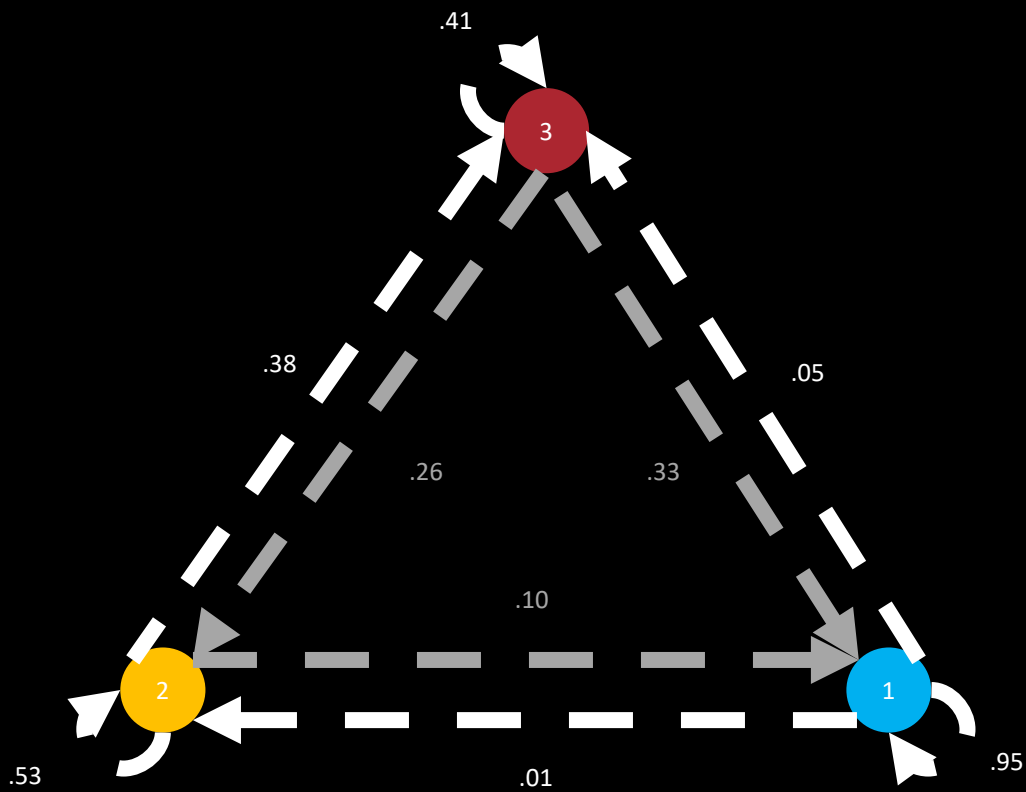
2



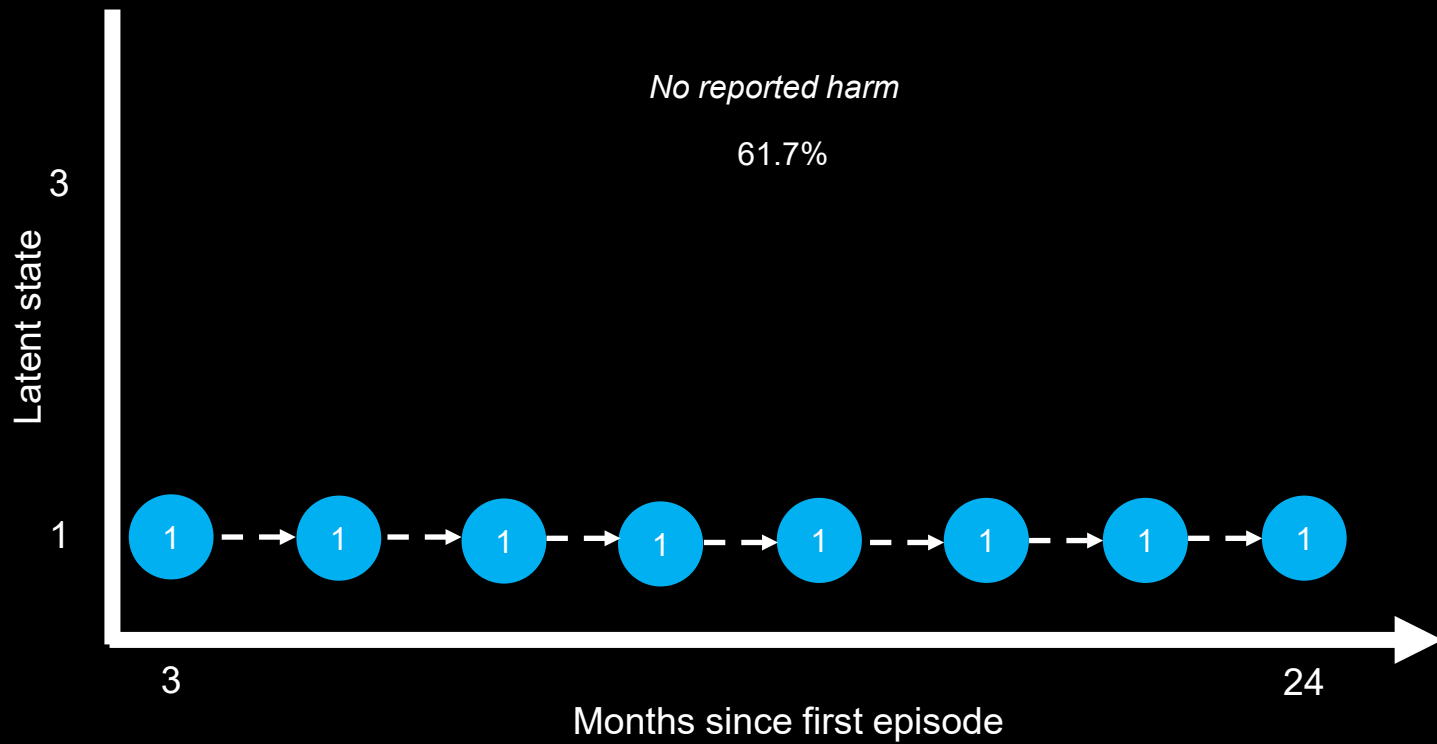
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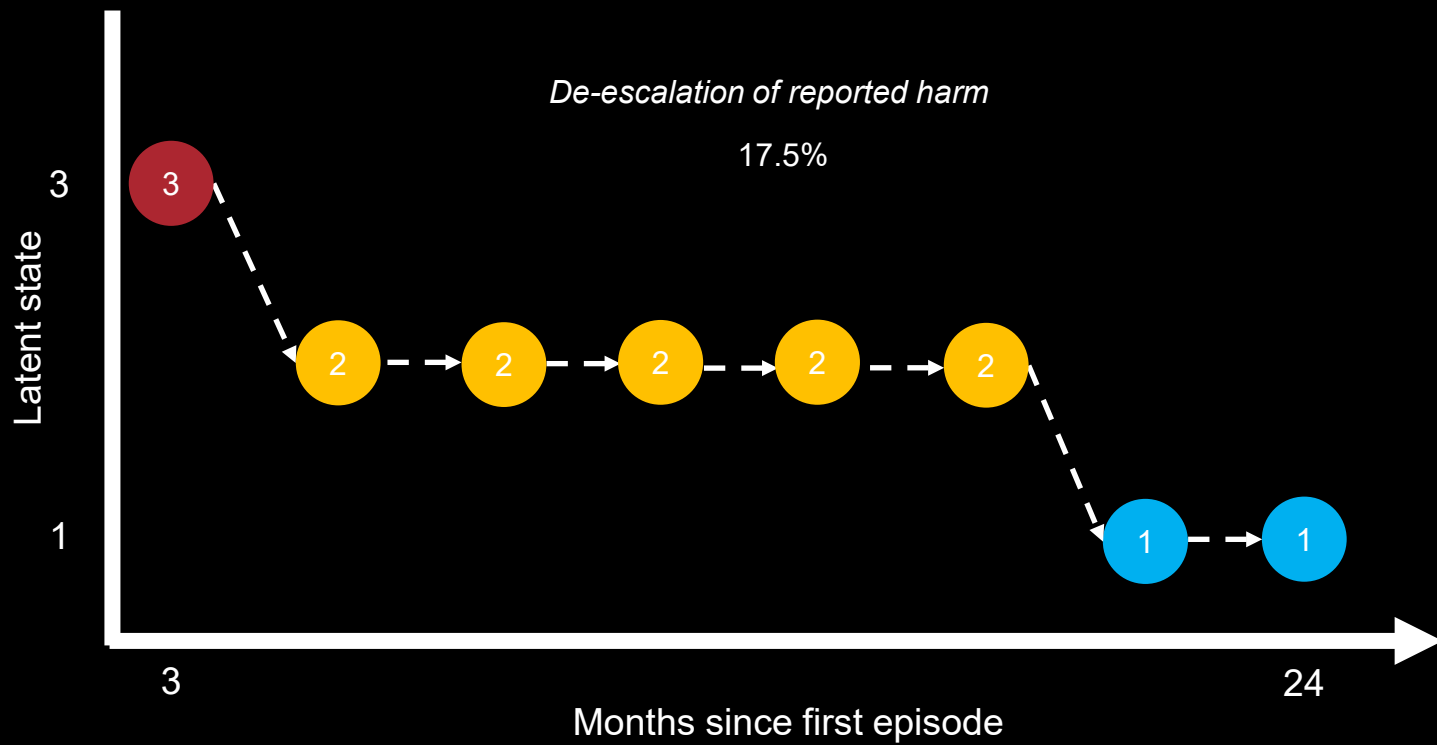


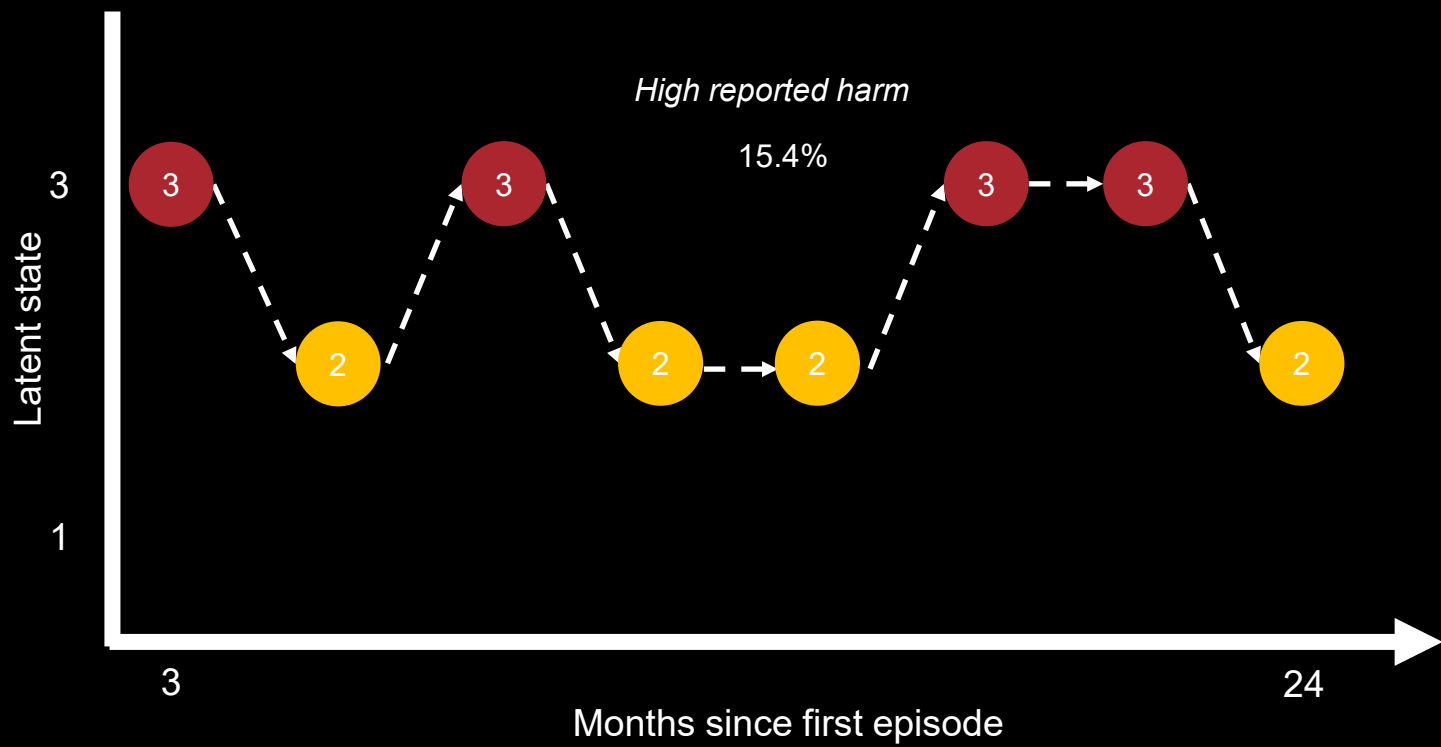


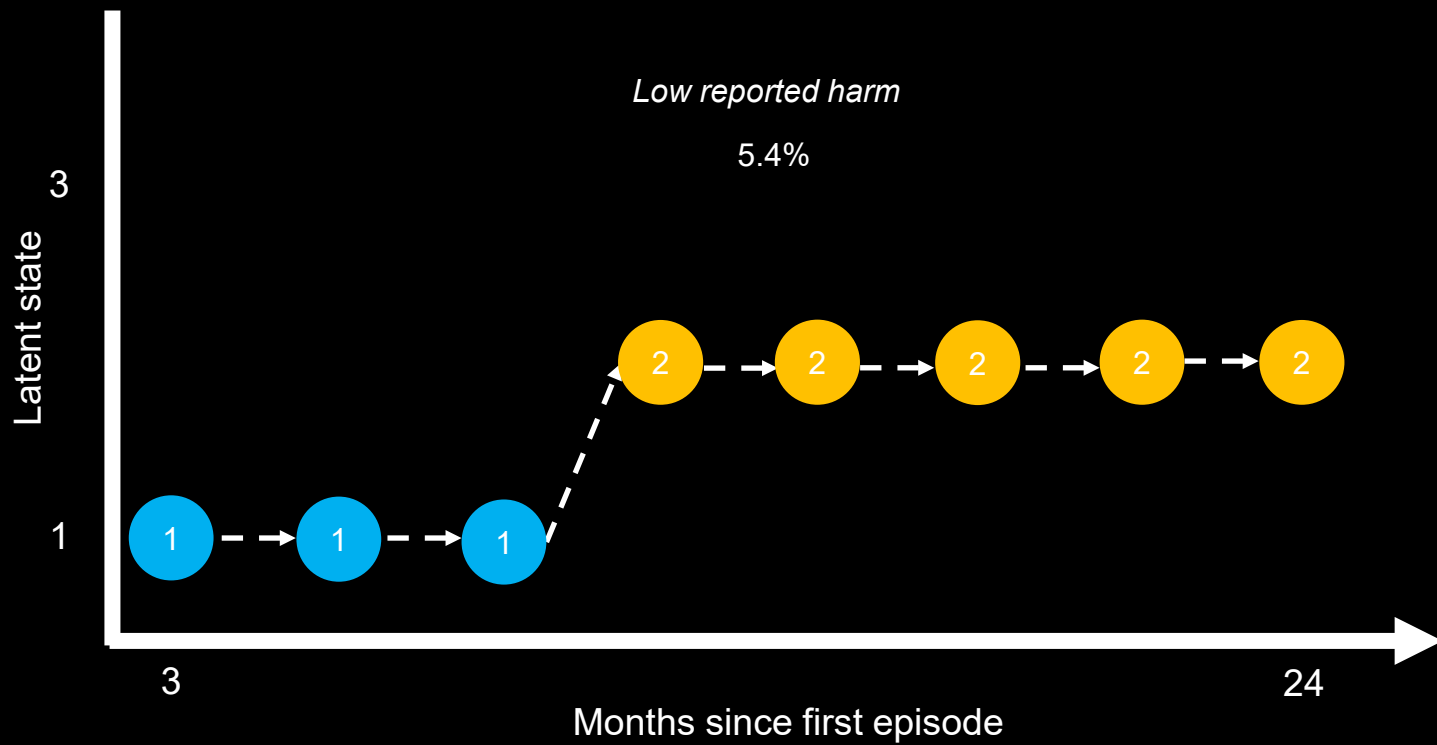












No reported harm

Low reported harm

De-escalation

High reported harm

71.5%

78.9%



81.9%

83.7%

36.3%

52.6%



51.5%

63.2%

67.8%

68.5%



71.5%

75.1%

No reported harm

Low reported harm

De-escalation

High reported harm

42.3%

64.9%



61.7%

77.6%

35.0%

35.1%

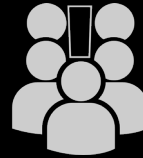


39.6%

35.0%

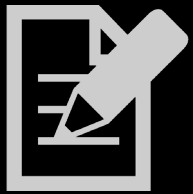
5.3%

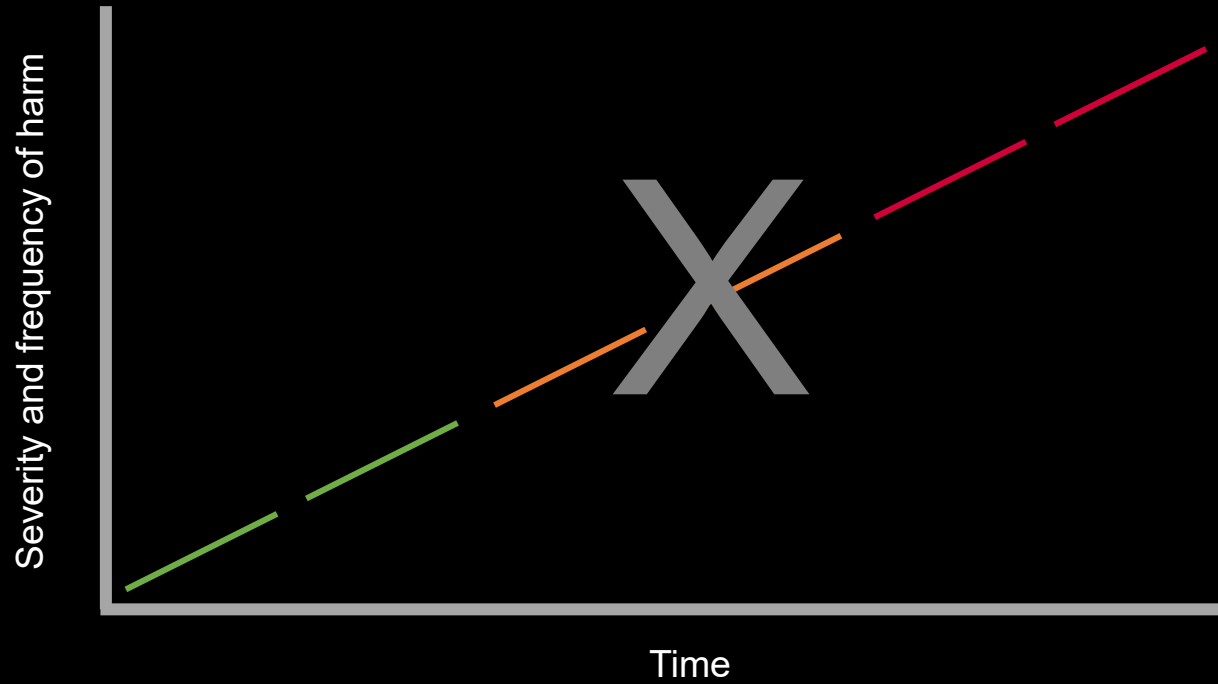
6.1%



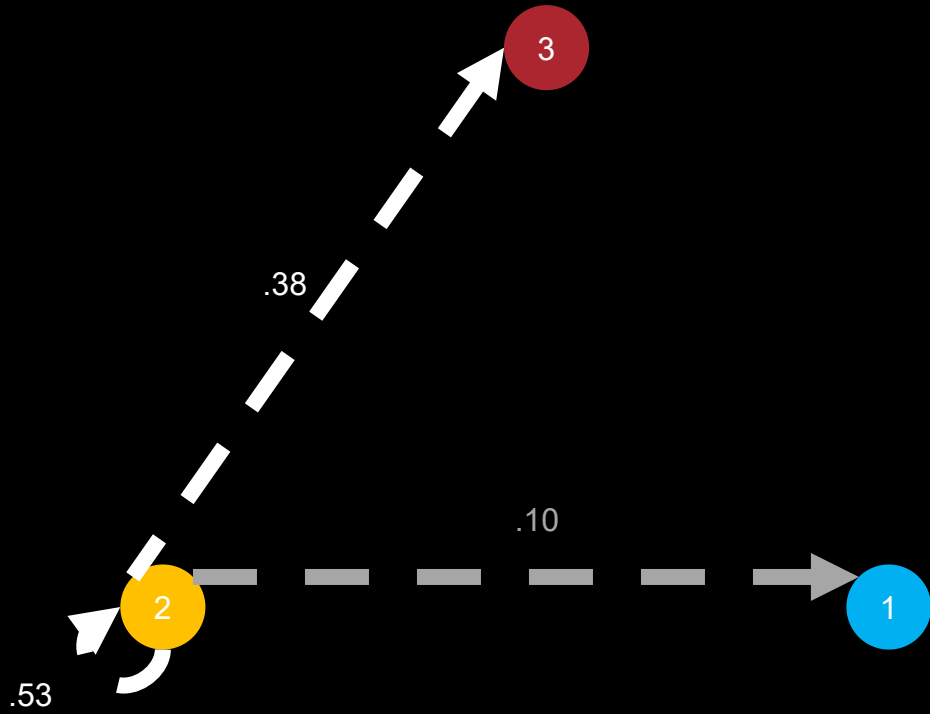
7.4%

7.0%





Bland & Ariel (2015), Piquero et al. (2006), Swartout et al. (2012), Walker et al. (2013)



Thank you

Supervisors Devon Polaschek and Chaitanya Joshi

University of Waikato Doctoral Scholarship and William Georgetti Scholarship

New Zealand Police, Integrated Safety Response, Tuu Oho Mai Services



Jolliffe Simpson, A. D. (2023). *Risk Assessment for Family Violence Aggressors in Aotearoa New Zealand* [Doctoral thesis, The University of Waikato]. The University of Waikato Research Commons.

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