



Testing the Association between Household Profile and Burglar Alarm Effectiveness

Crime Surveys User Conference 2<sup>nd</sup> December 2021

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### Overview

- Previous Research
- What I have done so far
- Data used
- Approach
- > Findings
- Limitations
- What I plan to do next



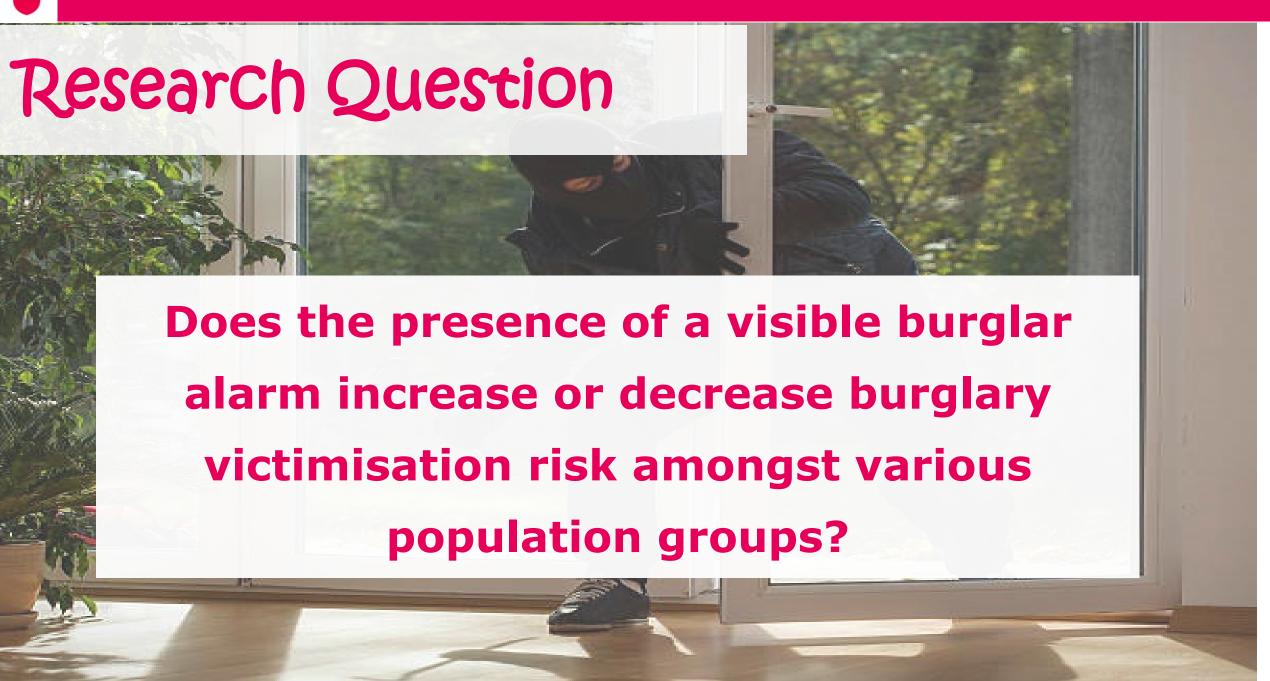
### Previous Research (utilising CSEW data)

- Particular combinations are more effective than others
- WIDE
- Presence of burglar alarms appear to increase the likelihood of burglary victimisation
- Recent research on burglar alarm impact in isolation and in combination with other devices

(Home Office and College of Policing Safer Streets Fund Toolkit)

Tseloni et al (2014; 2017); Thompson et al 2018; Tilley et al 2015; Tseloni et al 2021









Crime Survey for England and Wales (2014/15 - 2017/18)



# Which of the following are visible at the sampled address?

- 1. Burglar alarm
- 2. Security gate/grill over front door
- 3. Bars/grills on **any** windows
- 4. CCTV camera
- 5. Security gate at entrance to property/estate
- 6. Estate security/block security/guards
- 7. Entry phone
- 8. Other visible security devices
- 9. None of these
- 10. Unable to code

Electronic Contact Sheet for Interviewer (Section 3.1) of CSEW Questionnaire (2017/18)

How burglar alarms'
effectiveness may differ across
population groups

## Findings







#### Household Characteristics that were analysed

- Number of years at address
- Lone Parents (yes or No)
- HRP Sex
- HRP Ethnicity
- HRP Marital Status
- Number of Adults
- Number of Children
- Household Income
- Number of Cars

Following charts
show ONLY results
show ONLY results
where risk is higher
without a
without a
burglar alarm

- HRP Occupation
- HRP Disability or Illness
- HRP Education
- Tenure
- Type of Accommodation
- Inner City or Urban/Rural
- Region
- Housing Deprivation
- Income Deprivation



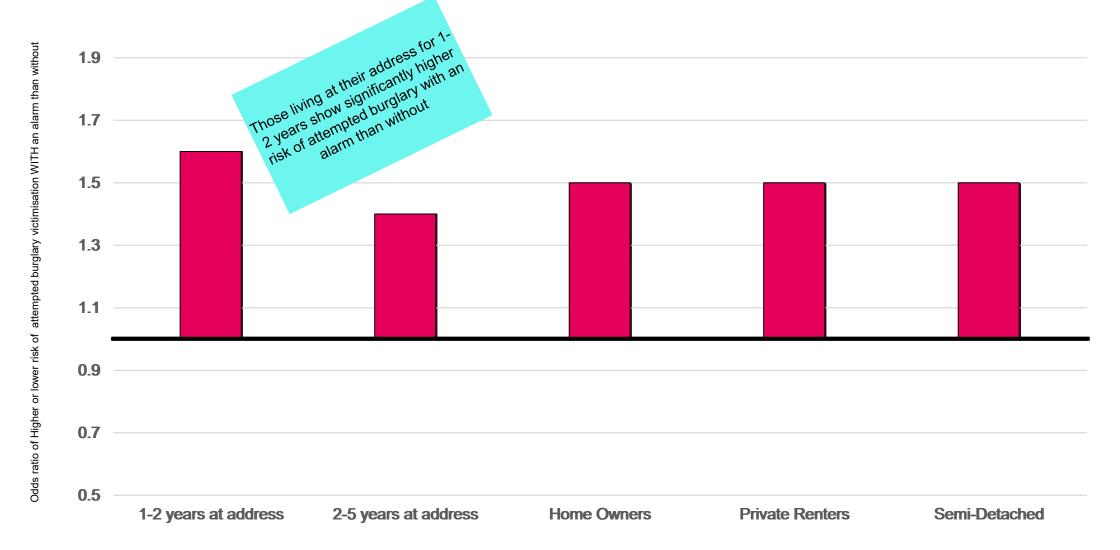
#### How was it Calculated?

Odds ratio of risk of burglary victimisation for the given population group WITH a visible burglar alarm - compared to without one

E.g. Males are 1.5 times more likely to experience attempted burglary WITH a visible alarm than males without a visible alarm.



Odds Ratio – Attempted Burglary victimisation risk WITH a visible burglar alarm compared to without one across individual characteristics and wider household composition





# Limitations

Do not tell us if the burglar alarm was installed at the bound of the first experience of burglary victimisation or as a consequence of the burglary or as a consequence of the Iseloni et al 2021 research)

(Unlike the rest of the Tseloni et al 2021 research)

Does not show true risk across alarm might have been installed

Preliminary indication of burglar alarm effectiveness across population groups

# Moving Forward...

Data analysis to show when burglar alarm was installed (before or after victimisation)



Merge Victim and Non-Victim forms across sweeps 2014-2020



Analyse all security combinations that include a burglar alarm individually

Qualitative Aspect:
Interviews in St Anne's
On impact of area
refurbishment

Which population groups have an increased or decreased risk of burglary or attempted burglary – or not?



## Thank you

Questions?

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