Data Launch Event

Secondary analysis of data collected over a 20 year period by HM Inspectorate of Prisons

25th May 2023 1400 to 1700











Welcome



- 1. Welcome
- 2. The Project
- Keynote: HM Chief Inspector Charlie TaylorQuestions to Rosie and Charlie
- 4. The HMIP Prisoner Survey
- The HMIP Prisoner Survey DataQuestions to Sophie and Kim
- 6. The Data and How to Access It
- 7. Working Examples
- 8. Closing Remarks
 Drinks Reception



An Introduction to the Project..



- Develop a comprehensive database of almost 100,000 HMIP prisoner surveys spanning a 20-year period from 2000 to 2022
- Contextual objectives: (1) understand prisoners' self-reported characteristics, experiences of imprisonment, and their relationship with treatment and conditions; (2) examine how these experiences vary based on prisoners' characteristics, circumstances, and changes in policy and operations
- Importance of processing survey data: create accessible datasets for stakeholders' future use
 - → Creation of accessible datasets is crucial part of project's legacy









Building the Foundations...



The Feasibility Study

- Initial exploration of prisoner survey responses over the last 20 years
- Conducted February to June 2020
- Partnership between RHUL and HMIP

Set out to:

- Establish the extent of the survey data held,
- Explore the ethical and practical issues involved in accessing and using it
- Undertake the initial pilot study

Building the Foundations...



Outcomes: Three peer-reviewed **academic papers** co-authored by Royal Holloway and HMIP colleagues:

- Quinn, A., Denney, D., Hardwick, N., Jalil, R. and Meek, R. (2022) The feasibility and challenge of using administrative data: a case study of historical prisoner surveys, International Journal of Social Research Methodology, 1-8.
- Quinn, A., Shaw, C., Hardwick, N., Meek, R., Moore, C., Ranns, H. and Sahni, S. (2020) Prisoner interpretations and expectations for the governance of survey data. *Criminal Justice Ethics*, 39, 3, 163-182.
- Quinn, A. Hardwick, N. and Meek, R. (2021) With age comes respect? And for whom exactly? A quantitative examination of prisoner experiences of respect elicited through HM Inspectorate of Prisons survey responses. The Howard Journal of Crime and Justice, 60, 2, 251-272.



Methods...



Three distinct but overlapping streams to the work

Processing the Survey Data

Processing vast amount of survey data collected over 20 years, organising data to ensure accuracy and accessibility.

Creating Accessible Datasets

Comprehensive database of almost 100,000 survey responses deposited with the UK Data Service.

Research Questions

Process of using the literature, data analysis and stakeholder feedback to identify answers to research questions.



Royal Holloway Data Launch Event 25th May 2023

Charlie Taylor
HM Chief Inspector of Prisons

Data features heavily in our expectations

Examples lifted from our Men's Expectations:

- Data on disorder and violence against both prisoners and staff is regularly analysed and used to inform strategy.
- Use of force data is monitored and any emerging patterns are identified and acted on.
- Self-harm data is monitored.
- Data on discriminatory incidents and allegations is routinely analysed for patterns.
- Monitoring data is made available in various formats so that it is accessible to all people.
- Population data is used to identify other minority groups within the prison who may have specific needs while in custody.

And more!



Some positive examples

"Monthly safety meetings were effective, analysing a wide range of data to monitor patterns of violence, informing the violence reduction strategy and enabling managers to take swift action."

HMP Durham inspection report

"The monthly use of force committee reviewed a good range of data, which was analysed well to show any disproportionality, and the location and reason for the use of force."

HMP Stoke Heath inspection report

"The overall management of the segregation unit was good...monitoring was effective, with a wide range of data collated and reviewed."

HMP Wakefield inspection report



Some negative examples

"More analysis of data on the use of segregation may have helped to reduce the time that some prisoners spent on the unit."

HMIP inspection report

"Data were not used to monitor disproportionate treatment, which was hard to understand given the diverse needs of the population at the prison."

HMIP inspection report

"...the data were not sufficiently detailed to determine fully the causes of violence or to understand the impact of actions taken."

HMIP inspection report



HMIP Leadership Expectations

Continuous improvement: Leaders focus on delivering priorities that support good outcomes for prisoners. They closely monitor progress against these priorities.

The following indicators describe evidence that may show this expectation being met, but do not exclude other ways of achieving it:

- Data is used effectively to understand the impact and fairness of policies, and to track progress against improvement plans.
- Importance of leaders modelling the effective use of data.
- HMP Brixton "Leaders and managers used data effectively to determine what employers and prisoners needed. They had analysed the labour needs of the local economy and of the types of employment prisoners wanted on release. They knew the extent of prisoners' existing English and mathematical skills. Managers had compared these data with their curriculum offer and understood that significant changes needed to be made."



Data packs - Management Information

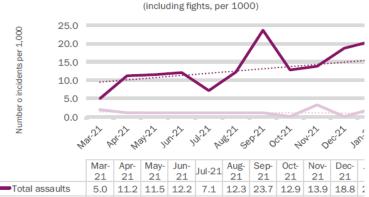
Safety - Violence - Assaults on prisoners

Key Information

- Prisoner on prisoner assaults have almost halved since our last inspection.
- Assaults are on the upward trajectory, eight percent of assaults on prisoners are recorded as serious.
- Assault on prisoners are just over the comparator average for category C prisons.

| | | 12 months prior to previous inspection | Trend |
|-----------------------------|--------|--|-------|
| Total prisoner assault rate | 153.88 | 286.65 | • |
| Total assaults | 149 | 298 | • |

Prisoner on prisoner assaults

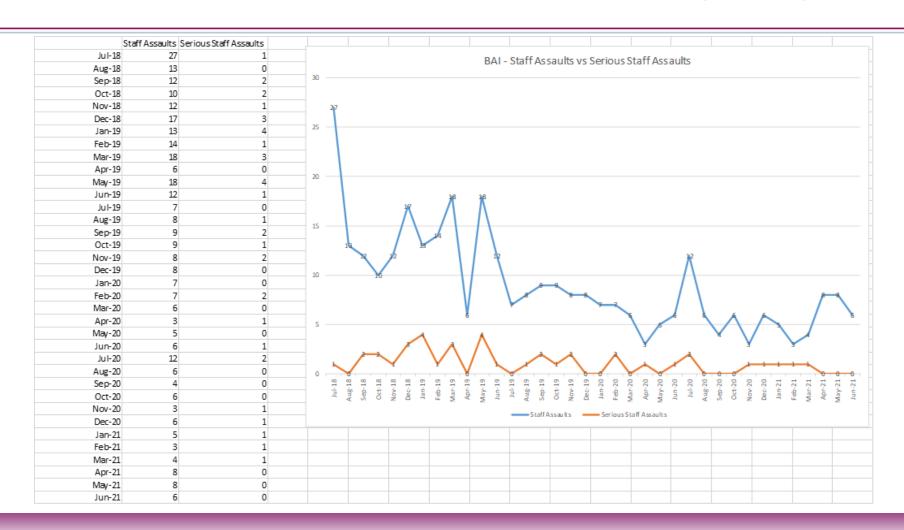


1.0 | 1.0 | 1.0 | 0.0

Serious assaults 2.0 1.0 1.0



Prison's Self Assessment Tool (SAR)





Safety - Violence - Assaults on Staff

Key Information

- Assaults on staff actual numbers have reduced since our last inspection, however per thousand it is slightly higher.
- Across 12 months trend is stable, but across the last six is on the upward trajectory.
- Third highest in high security estate comparator group.

| | | 12 months prior to previous inspection | Trend |
|-----------------------------|------|--|-------|
| Total staff assault rate | 99.1 | 94.04 | 1 |
| Total assaults | 71 | 80 | |





| PRISONER SURVEY QUESTIONS | HMP Exeter 2022 | Local prisons surveyed since May 2021 |
|--|-----------------|---------------------------------------|
| ALCOHOL AND DRUGS | | |
| Did you have an alcohol problem when you came into this prison? | 31% | 22% |
| For those who had/have an alcohol problem: | | |
| Have you been helped with your alcohol problem in this prison? | 68% | 46% |
| Did you have a drug problem when you came into this prison (including illicit drugs and medication not prescribed to you)? | 44% | 33% |
| Have you developed a problem with illicit drugs since you have been in this prison? | 7% | 8% |
| Have you developed a problem with taking medication not prescribed to you since you have been in this prison? | 10% | 8% |
| For those who had/have a drug problem: | | |
| Have you been helped with your drug problem in this prison (including illicit drugs and medication not prescribed to you)? | 44% | 49% |
| Is it very/quite easy to get illicit drugs in this prison? | 22% | 28% |
| Is it very/quite easy to get alcohol in this prison? | 16% | 19% |
| Is it very/quite easy to get tobacco in this prison? | 7% | 16% |



The Experiences of Adult Black Male Prisoners and Prison Staff thematic - Dec 2022

 Interviewed 100 black prisoners, 17 key managers, incl. gov governors, and 66 other staff of all ethnicities.

 Divisions between black prisoners and white prison staff. Negative experiences for black prison staff at work.

Lack of trust and communication.

Prison A: Competent collection and use of data

- A comprehensive equalities database provided a good overview of key processes broken down by race.
- Data for adjudications and segregation were particularly thorough and useful, showing the number of prisoners, broken down by ethnicity, compared with the overall proportion of each ethnic group in the jail.
- In most cases, the data provided a clear enough snapshot for the prison to be able to make informed decisions about what action was required.



Prison B: Weak collection and use of data

- Much of the data provided at this prison was rudimentary. There was no analysis and no evidence that the data were being used to inform actions within the prison.
- 'BAME' and 'Asian' were given discrete categories, which reflected a lack of staff understanding and provided little insight into the experience of different ethnic groups.
- No data on incentives, activities or use of force.
- There was no ethnic breakdown of outcomes following reports of discrimination, and no breakdown at all of who had submitted them – not even whether they were staff or prisoners – or how many had been upheld.



Thank you for listening





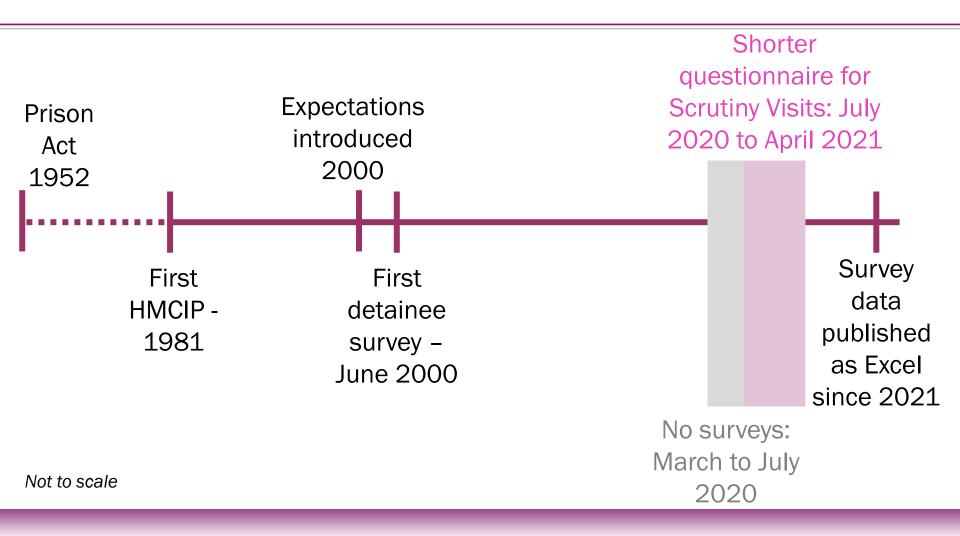




What is the HMIP Prisoner Survey?

Sophie RileyHead of Research, Data & Thematics
HMI Prisons

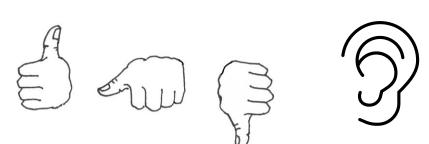
History of the HMIP Prisoner Survey





Why ask prisoners?

 Their opportunity to tell us about their perceptions and experiences of the prison







We also ask staff what they think



Where do we survey?

Different expectations for different types of establishment:

Leadership Expectations Men's prison Expectations Women's prison Expectations Children's Expectations Separation Centre Expectations Close Supervision Centre Expectations Immigration detention Expectations Court custody Expectations Military detention Expectations **Border Force Expectations** TACT custody Expectations

Adult men's prisoner survey
Adult women's prisoner survey
Children and young people's survey

CSC survey
Immigration Removal Centre survey

MCTC survey



How? - The Questionnaire

- Up to 132 questions, 21 pages
- Paper questionnaire
- Various languages
- Voluntary, anonymous and confidential
- Multiple choice questions: about the prisoner, their experiences of arriving at the prison, life at the prison, plans for release, perceptions of safety, etc.

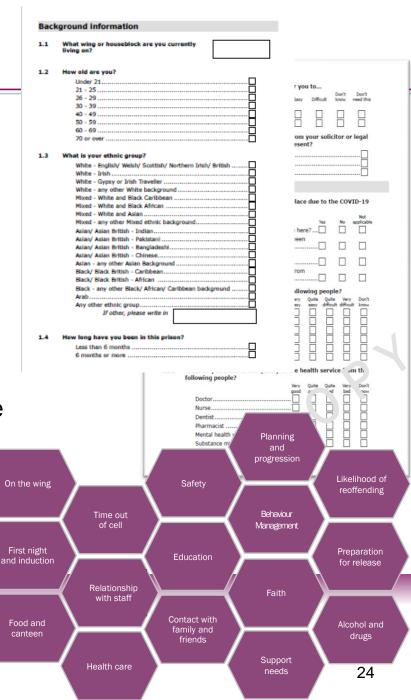
Background

information

Arrival and

reception

Free-text questions too





How? - Who do we survey?

- Random sample
- Sample size formula assumes:
 - 65% response rate (open / Cat D) or 75% for all other prisons
 - 95% confidence level
 - 7% margin of error
- Prison population of 700 prisoners = sample just over 200 prisoners
- Randomly selected (e.g. every Nth prisoner)
- Re-sampling where prisoner not available



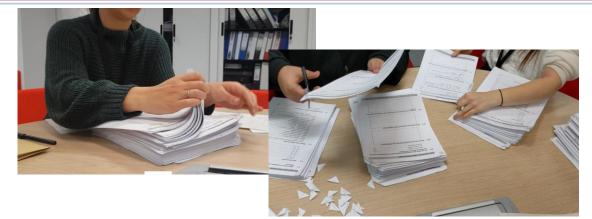
How? - Data Collection

- Each prisoner given written and (where possible) verbal information about:
 - They purpose of the inspection and the survey
 - Informed consent
 - Voluntary
 - What we use it for
 - Where they can get further help
 - Time of collection
- Additional support:
 - Languages / interpreter service
 - Support for prisoners with literacy difficulties
- Some prisoners like to speak with researchers



How? - The Analysis

- Numbering and scanning
- Cleaning:
 - Accuracy
 - Consistency
 - Summary counts



- Chi-squared statistically significant differences for comparators:
 - similar prisons
 - themselves from the last survey
 - protected characteristics
 - in-prison locations (e.g. wing comparators)
- Thematic analysis of free-text questions



What do we do with it?

- Inspectors: inform inspection as well as informing inspection findings
- Consider along with other evidence:
 - Staff surveys
 - Performance data
 - Inspection observations
 - Formal and informal discussions with prisoners
 - Discussions with staff
 - Prison documentation
 - Other intelligence
- Publish survey results and comparators (but not the free-text fields)





What do we do with it?

| | | | 2022 | 2019 |
|-------|--|------|------|------|
| SAFET | Υ | | | |
| 14.1 | Have you ever felt unsafe here? | 170 | 48% | 70% |
| 14.2 | Do you feel unsafe now? | 167 | 22% | 37% |
| 14.3 | Have you experienced any of the following from other prisoners here: | | | |
| | Verbal abuse? | 155 | 23% | 46% |
| | Threats or intimidation? | 155 | 23% | 44% |
| | Physical assault? | 155 | 13% | 24% |
| | Sexual assault? | 155 | 3% | 3% |
| | Theft of canteen or property? | 155 | 22% | 42% |
| | Other bullying/victimisation? | 155 | 12% | 24% |
| | Not experienced any of these from prisoners here | 155 | 61% | 40% |
| 14.4 | If you were being bullied/victimised by other prisoners here, would you report it? | :164 | 34% | 31% |
| 14.5 | Have you experienced any of the following from staff here: | | | |
| | Verbal abuse? | 159 | 33% | 36% |
| | Threats or intimidation? | 159 | 28% | 26% |
| | Physical assault? | 159 | 9% | 16% |
| | Sexual assault? | 159 | 2% | 1% |
| | Theft of canteen or property? | 159 | 15% | 18% |
| | Other bullying/victimisation? | 159 | 23% | 20% |
| | Not experienced any of these from staff here | 159 | 53% | 51% |
| 14.6 | If you were being bullied/victimised by staff here, would you report it? | 165 | 49% | 48% |

Green shading shows results that are significantly more positive than the comparator

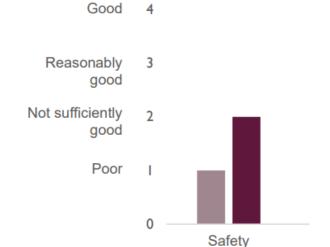
Blue shading shows results that are significantly more negative than the comparator

Orange shading shows significant differences in demographics and background information

No shading means that differences are not significant and may have occurred by chance

Grey shading indicates that we have no valid data for this question

* less than 1% probability that the difference is due to chance







What do we do with it?

| | | , | 2022 | 2019 |
|----------------|--|--------------|------|------|
| SAFET | Υ | | | |
| 14.1 | Have you ever felt unsafe here? | n=146 | 65% | 50% |
| 14.2 TIME O | Do you feel unsafe now? | n=142 | 24% | 16% |
| 9.1 | Do you know what the unlock and lock-up times are supposed to be here? | n=138 | 88% | 92% |
| - | For those who know what the unlock and lock-up times are supposed to be: | | | l |
| | Are these times usually kept to? | n=122 | 48% | 69% |
| 9.2 | Do you usually spend less than 2 hours out of your cell on a typical weekday (including time spent at education, work etc.)? | n=136 | 37% | 13% |
| | Do you usually spend 10 hours or more out of your cell on a typical weekday (including time spent at education, work etc.)? | n=136 | 13% | 7% |
| 9.3 | Do you usually spend less than 2 hours out of your cell on a typical Saturday or Sunday? | n=138 | 59% | 16% |
| - | Do you usually spend 10 hours or more out of your cell on a typical Saturday or Sunday? | n=138 | 9% | 4% |
| 9.4 | Do you have time to do domestics more than 5 days in a typical week (shower, clean cell, use the wing phones etc.)? | n=134 | 41% | 64% |
| 9.5 | Do you get association more than 5 days in a typical week, if you want it? | n=137 | 47% | 53% |
| 9.6 | Could you go outside for exercise more than 5 days in a typical week, if you wanted to? | n=137 | 62% | 66% |
| 9.7 | Do you typically go to the gym or play sports twice a week or more? | n=140 | 61% | |
| 9.8 | Are you able to visit the library once a week or more? | n=136 | 49% | 55% |
| | Are you able to have library materials delivered to you once a week or more? | n=119 | 22% | |
| 9.9 | For those who use the library: | | | |
| | Does the library have a wide enough range of materials to meet your needs? | <i>n</i> =96 | 76% | 78% |

Green shading shows results that are significantly more positive than the comparator

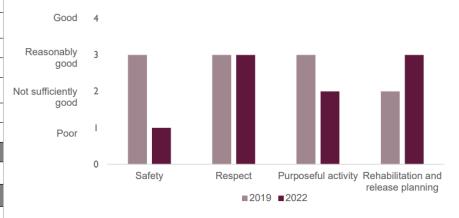
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Overview of the data preparation process

Gather

Annual HMIP datasets

HMIP spreadsheets

Identify missing establishments and variables

Discover

Examine Structure of datasets

Familiarise with questionnaires / documentation

Familiarise with sharing policies of HMIP and UKDS

Cleanse

Address missing establishments and variables

Standardise variable formats

Recode variables

Validation checks

Transform

Data integration

Identify common variables

Merge data from multiple spreadsheets into single cohesive annual datasets

Enrich

Create new variable naming convention

Derive new variables

Format data according to UKDS requirements

Aggregation

Store

Create documentation

User guide, annual variable lists, and list of annual changes

Prepare metadata

Review UKDS data access conditions and restrictions







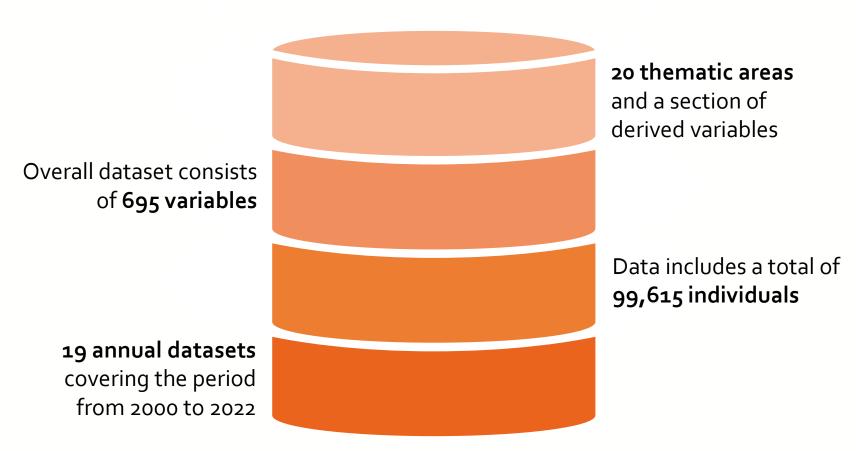














The Thematic Areas

| | Topic | | Topic |
|---|-----------------------------|----|-----------------------------|
| Α | Derived from the inspection | | Applications, complaints, |
| В | Background information | _ | legal rights |
| С | Arrival and reception | M | Healthcare |
| D | First night and induction | N | Other support needs |
| Е | On the wing | P | Alcohol and drugs |
| F | Food and canteen | Q | Safety |
| G | Relationships with staff | R | Behaviour management |
| Н | Faith | S | Education, skills, and work |
| J | Contact with family and | Т | Planning and progression |
| | friends | U | Preparation for release |
| K | Time out of cell | V | More about you |
| L | Applications, complaints, | W | Final questions about this |
| | legal rights | VV | prison |

The Datasets

| Dataset | Sample size |
|---------|-------------------|
| 2000-03 | 5372 |
| 2003-04 | 2654 |
| 2004-05 | 2446 |
| 2005-06 | 3357 |
| 2006-07 | 3734 |
| 2007-08 | 3605 |
| 2008-09 | 3996 |
| 2009-10 | 2185 |
| 2010-11 | 57 1 9 |
| 2011-12 | 6324 |
| 2012-13 | 6490 |
| 2013-14 | 7 2 33 |
| 2014-15 | 8477 |
| 2015-16 | 6705 |
| 2016-17 | 7202 |
| 2017-18 | 6940 |
| 2018-19 | 6448 |
| 2019-20 | 7002 |
| 2021-22 | 3726 |
| TOTAL | 99615 |



The Thematic Areas

Topic

A Derived from the inspection
B Background information
C Arrival and reception
D First night and induction
E On the wing
F Food and canteen
G Relationships with staff
H Faith
J Contact with family and friends
K Time out of cell
L Applications, complaints legal rights

The Naming Convention

How often do you

go to the gym?

K_gym_o1

K_gym_o2

K_gym_o3

K_gym_o4

The Datasets

| Dataset | |
|-------------|-------|
| 2000-03 | 5372 |
| β-04 | 2654 |
| 4-05 | 2446 |
| 5-06 | 3357 |
| 6-07 | 3734 |
| 7-08 | 3605 |
| 8-09 | 3996 |
| 9-10 | 2185 |
| 0-11 | 5719 |
| 1-12 | 6324 |
| 2-13 | 6490 |
| 3-14 | 7233 |
| 4-15 | 8477 |
| 5-16 | 6705 |
| 6-17 | 7202 |
| 7-18 | 6940 |
| 8-19 | 6448 |
| 19-20 | 7002 |
| 2021-22 | 3726 |
| | 99615 |
| | |



- Adult prisoner survey data will be deposited to the UK Data Service
- Two versions: both classified as safeguarded data

End User Licence

Register with UKDS

Agree to terms and conditions

Not use the data for commercial purposes without obtaining permission

Preserve confidentiality of individuals

Special Licence

All points of the end user licence

Require to complete a set of forms to provide further details about intended use of the data

Special conditions

Depositor permission

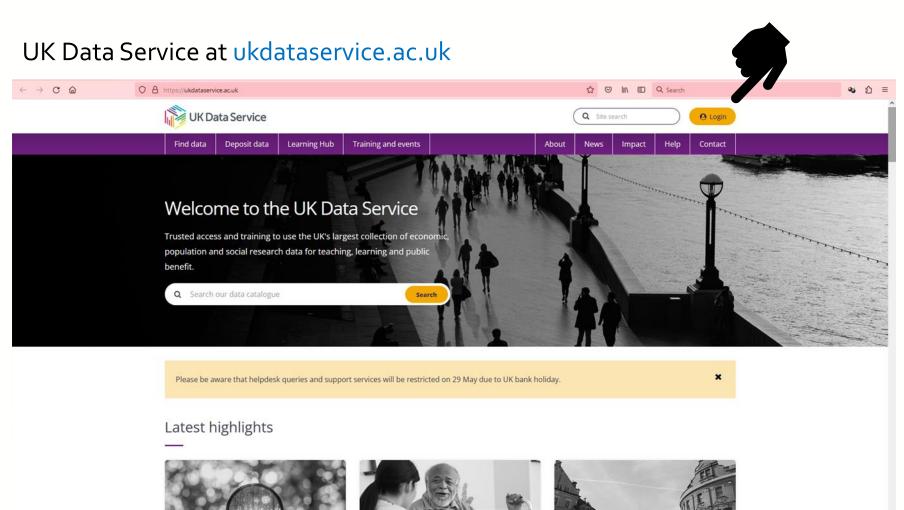
Limited to non-commercial users



Break Time!

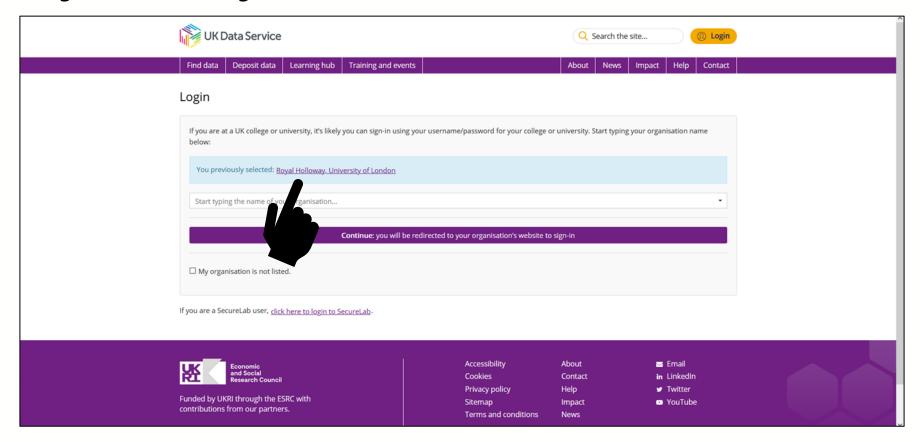






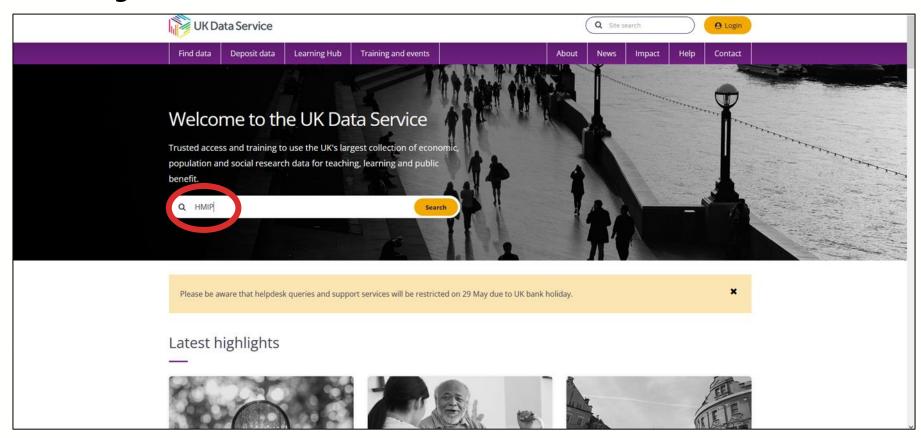


Registration and login

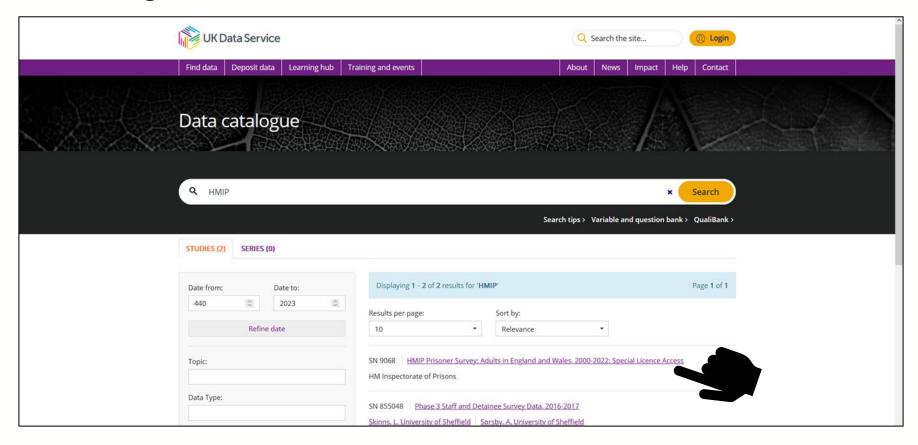




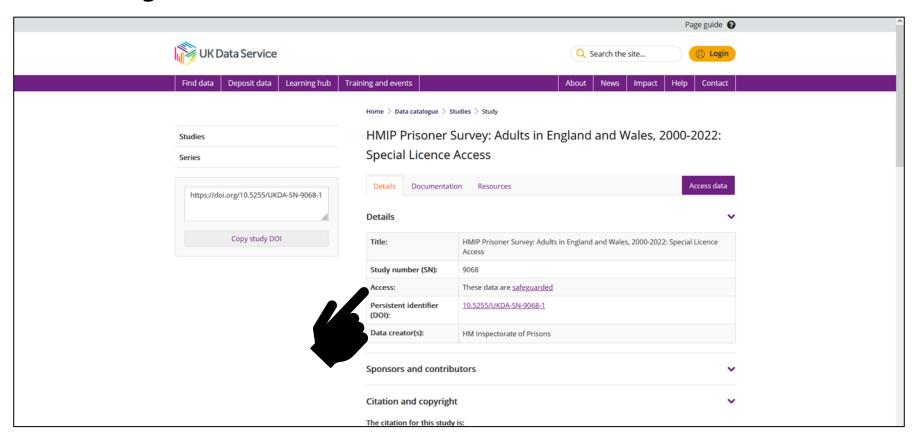
Finding the data



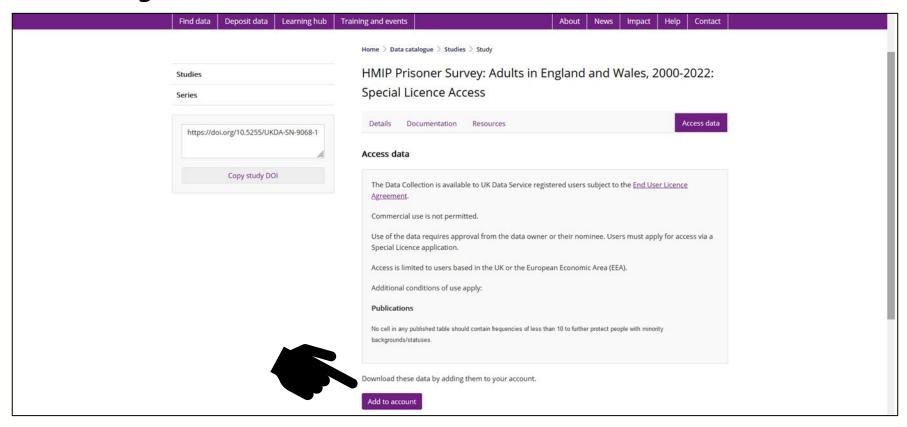




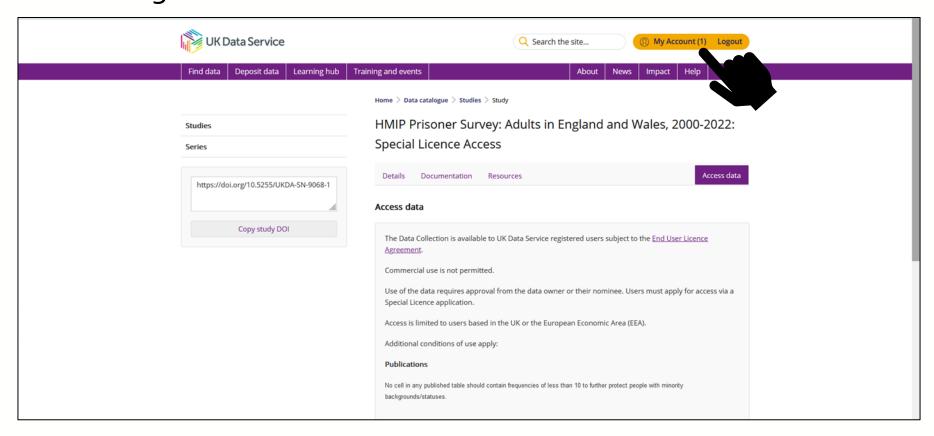




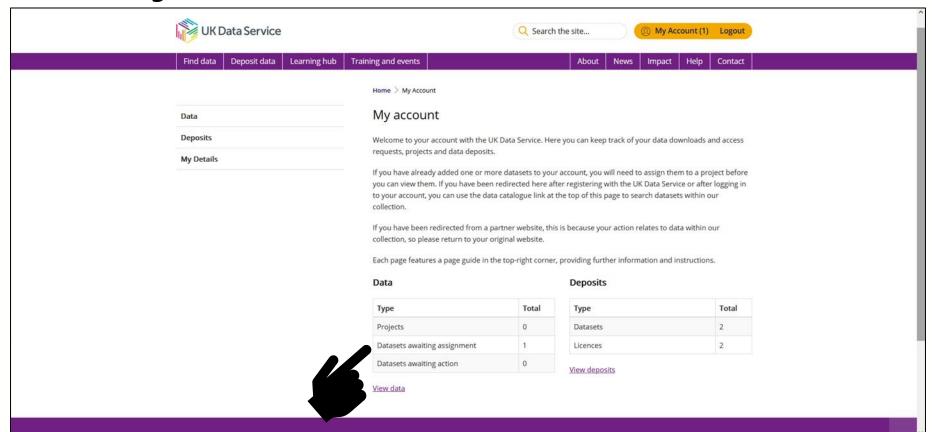




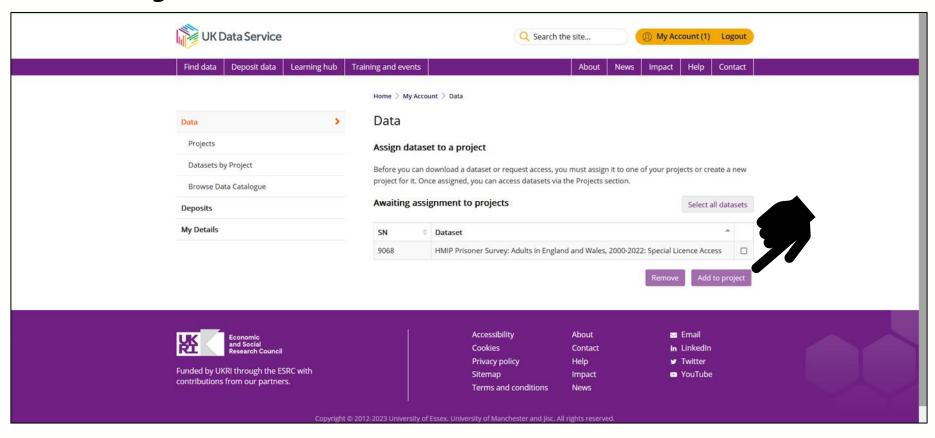




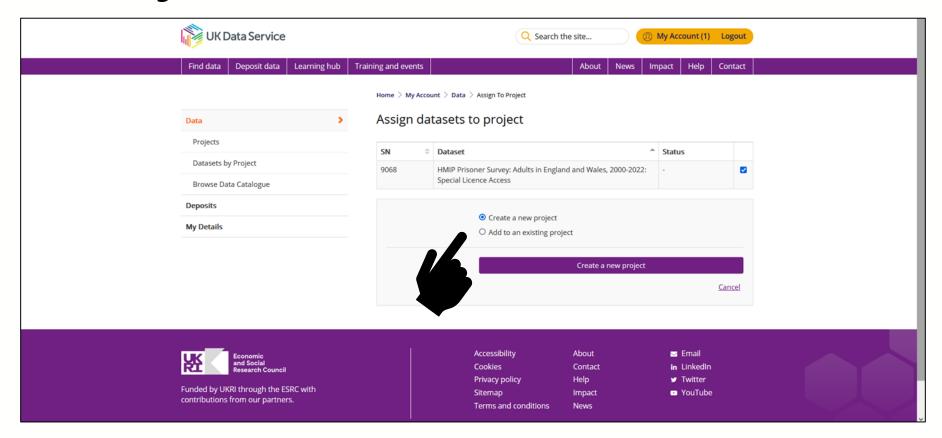




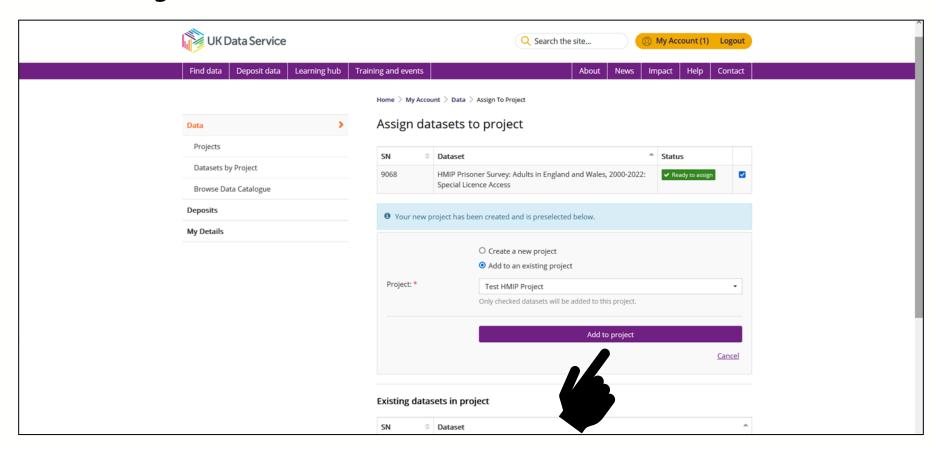




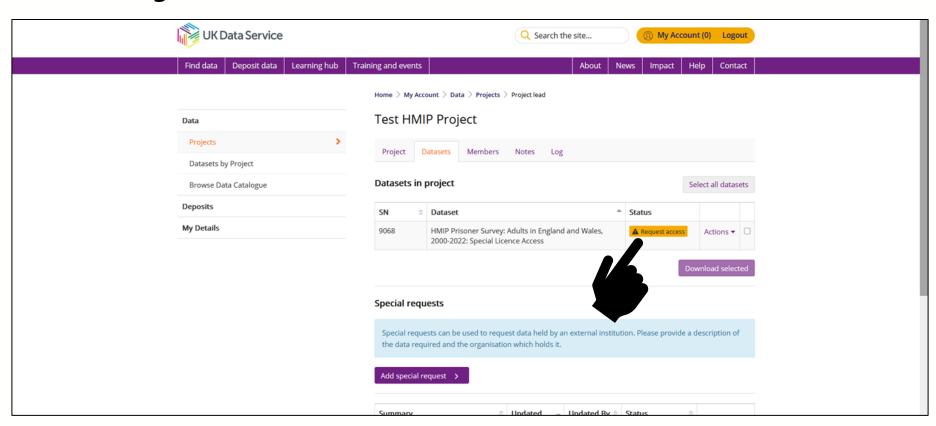




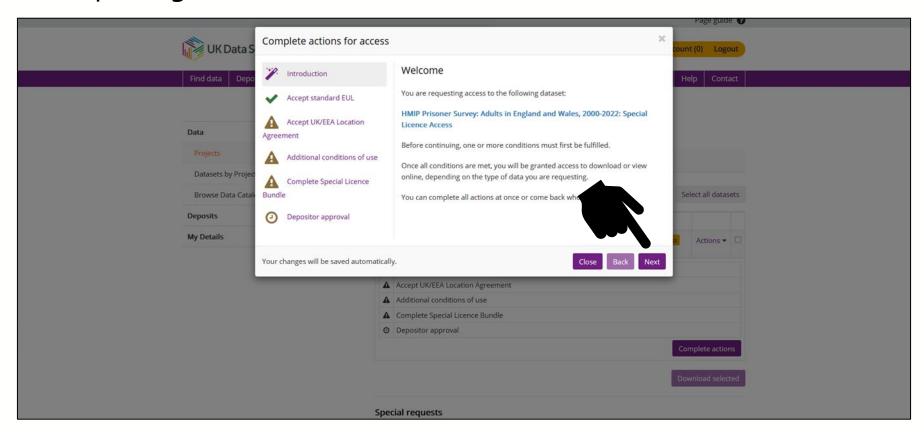




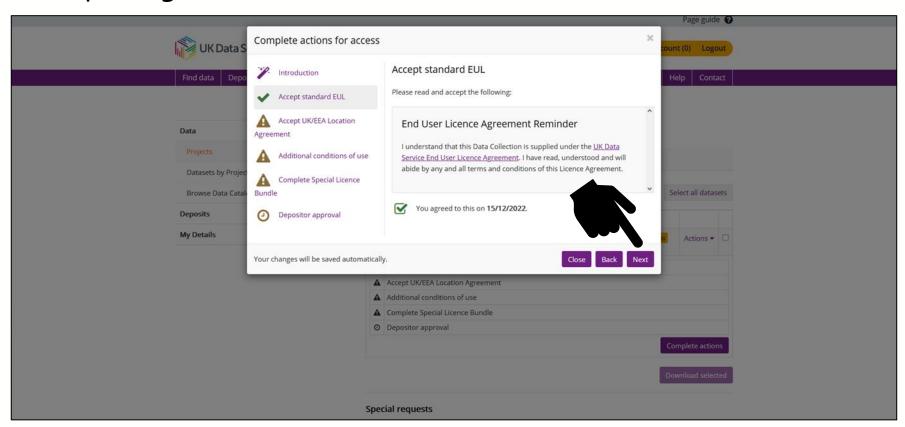




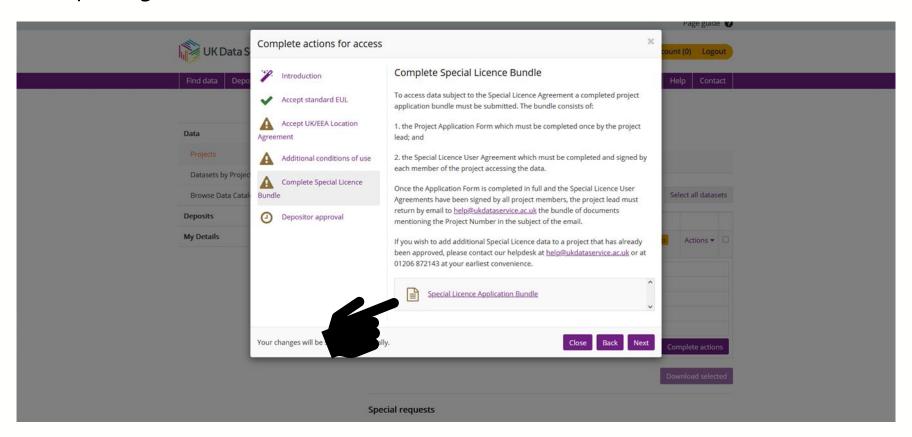










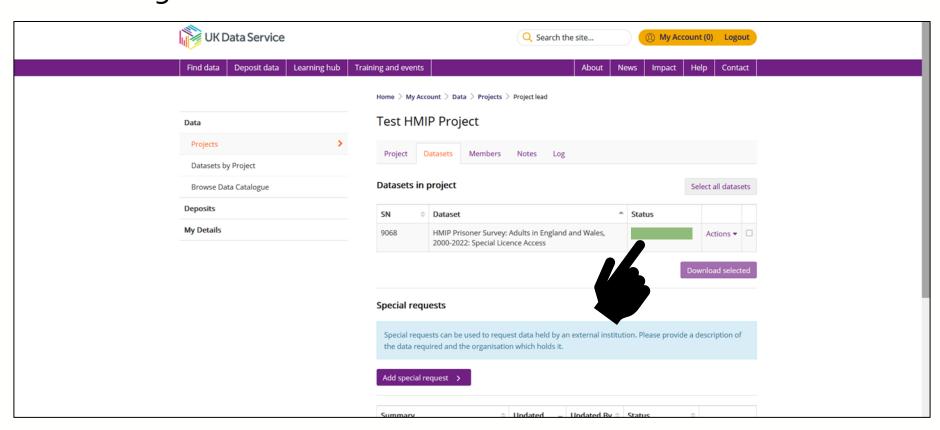














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|-----------------------------|----------|-------------------------------|------------|---|--|---|--|--|--|---|
| Name | Туре | Width | De | Label | Values | Missing | Columns | Align | Measure | Role |
| dataset | Numeric | 12 | 0 | Dataset number | None | None | 11 | ≡ Right | Scale Scale | > Input |
| engwls | Numeric | 12 | 0 | Prison in England or Wales | {0, Wales} | None | 11 | ≡ Right | & Nominal | > Input |
| functype | Numeric | 12 | 0 | Functional Type of Institution | {1, Locals} | None | 11 | ≡ Right | Nominal | > Input |
| id | String | 12 | 0 | Unique ID (InspYear_Prison_ID) | None | None | 12 | Left | & Nominal | > Input |
| id_01 | Numeric | 12 | 0 | Questionnaire Number | None | None | 8 | ≡ Right | & Nominal | > Input |
| inspyear | Numeric | 12 | 0 | Year of Inspection | {17, 2016} | None | 14 | ≡ Right | & Nominal | > Input |
| prison | Numeric | 12 | 0 | Name of Prison (unique) | {1, Wakefield} | None | 10 | ■ Right | & Nominal | > Input |
| region | Numeric | 12 | 0 | English Region or Wales | {1, North East} | None | 10 | ≡ Right | & Nominal | > Input |
| age_05 | Numeric | 12 | 0 | How old are you? | {1, Under 21} | 77, 88, 99 | 8 | ≅ Right | & Nominal | > Input |
| ethnic_04 | Numeric | 12 | 0 | What is your ethnic origin? | {1, White - British (English/ W | 77, 88, 99 | 8 | ≅ Right | Nominal | > Input |
| ethnictraveller_01 | Numeric | 12 | 0 | Do you consider yourself to be Gypsy/Romany/Tra | {0, No} | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input |
| prislongin_03 | Numeric | 12 | 0 | How long have you been in this prison? | {1, Less than six months} | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input |
| status_05 | Numeric | 12 | 0 | Are you currently serving a sentence? | {1, Yes} | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input |
| statuslength_05 | Numeric | 12 | 0 | How long is your sentence? | {1, Less than 6 months} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| infoup_01 | Numeric | 12 | 0 | Were you given up-to-date information about this p | {1, Yes} | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input |
| probcash_01 | Numeric | 12 | 0 | Did you have any of the following problems when y | {0, No} | 77, 88, 99 | 8 | ≡ Right | 🚜 Nominal | > Input |
| probdepend_01 | Numeric | 12 | 0 | Did you have any of the following problems when y | {0, No} | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input |
| probdown_02 | Numeric | 12 | 0 | Did you have any of the following problems when y | {0, No} | 77, 88, 99 | 8 | ≅ Right | & Nominal | > Input |
| _probdrugalc_01 | Numeric | 12 | 0 | Did you have any of the following problems when y | {0, No} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| probfamily_01 | Numeric | 12 | 0 | Did you have any of the following problems when y | {0, No} | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input |
| probhelp_01 | Numeric | 12 | 0 | Did you receive any help or support from staff with | {1, Yes} | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input |
| probhouse_01 | Numeric | 12 | 0 | Did you have any of the following problems when y | {0, No} | 77, 88, 99 | 8 | ≅ Right | 🚜 Nominal | > Input |
| | | | | | | | and the same | | | |
| probhelp_01 probhouse_01 | | Numeric Numeric Numeric | Numeric 12 | Numeric 12 0 | Numeric 12 0 Did you receive any help or support from staff with | Numeric 12 0 Did you receive any help or support from staff with {1, Yes} | Numeric 12 0 Did you receive any help or support from staff with {1, Yes} 77, 88, 99 | Numeric 12 0 Did you receive any help or support from staff with {1, Yes} 77, 88, 99 8 | Numeric 12 0 Did you receive any help or support from staff with {1, Yes} 77, 88, 99 8 🗏 Right | Numeric 12 0 Did you receive any help or support from staff with {1, Yes} 77, 88, 99 8 \equiv Right & Nominal |



| | | ⊿ [| | | | | 6 | | | | |
|-----|--------------------|---------|-------|----|--|----------------|------------|----------------------|----------------|-----------------------------|---------|
| | Name | Туре | Width | De | Label | Values | Missing | Columns | Align | Measure | Role |
| 116 | N_easylisten_02 | Numeric | 12 | 0 | How easy or difficult is it for you to speak to a List | {1, Very easy} | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input |
| 117 | P_alceasy_02 | Numeric | 12 | 0 | Is it easy or difficult to get alcohol in this prison? | {1, Very Easy} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 118 | P_alchelp_02 | Numeric | 12 | 0 | Have you been helped with your alcohol problem in | . {1, Yes} | 77, 88, 99 | 8 | Right | & Nominal | > Input |
| 119 | P_alcprob_01 | Numeric | 12 | 0 | Did you have an alcohol problem when you came i | {0, No} | 77, 88, 99 | 8 | Right | & Nominal | > Input |
| 120 | P_drugdevprob_01 | Numeric | 12 | 0 | Have you developed a problem with illicit drugs sin | {0, No} | 77, 88, 99 | 8 | ■ Right | & Nominal | ゝ Input |
| 121 | P_drugeasy_02 | Numeric | 12 | 0 | Is it easy or difficult to get illicit drugs in this prison? | {1, Very Easy} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 122 | P_drughelp_01 | Numeric | 12 | 0 | Have you received any intervention for your drug pr | {1, Yes} | 77, 88, 99 | 8 | Right | & Nominal | > Input |
| 123 | P_drugprob_01 | Numeric | 12 | 0 | Did you have a drug problem when you came into t | . {0, No} | 77, 88, 99 | 8 | Right | & Nominal | > Input |
| 124 | P_medprob_01 | Numeric | 12 | 0 | Have you developed a problem with taking medicat | {0, No} | 77, 88, 99 | 8 | Right | & Nominal | > Input |
| 125 | Q_prisnovictim_01 | Numeric | 12 | 0 | Not experienced any of these from prisoners here | {0, No} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 126 | Q_prisother_01 | Numeric | 12 | 0 | Other bullying/victimisation by prisoners | {0, No} | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input |
| 127 | Q_prisphysical_01 | Numeric | 12 | 0 | Physical assault by prisoners | {0, No} | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input |
| 128 | Q_prissexual_01 | Numeric | 12 | 0 | Sexual assault by prisoners | {0, No} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 129 | Q_pristheft_01 | Numeric | 12 | 0 | Theft of canteen or property by prisoners | {0, No} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 130 | Q_pristhreats_01 | Numeric | 12 | 0 | Threats or intimidation by prisoners | {0, No} | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input |
| 131 | Q_prisverbal_01 | Numeric | 12 | 0 | Verbal abuse by prisoners | {0, No} | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input |
| 132 | Q_reportpris_01 | Numeric | 12 | 0 | If you were being victimised by prisoners here, wo | {0, No} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 133 | Q_reportstaff_01 | Numeric | 12 | 0 | If you were being bullied/victimised by staff here, w | {0, No} | 77, 88, 99 | 8 | ≅ Right | & Nominal | > Input |
| 134 | Q_staffnovictim_01 | Numeric | 12 | 0 | Not experienced any of these from staff here | {0, No} | 77, 88, 99 | 8 | ≅ Right | & Nominal | > Input |
| 135 | Q_staffother_01 | Numeric | 12 | 0 | Other bullying/victimisation by staff | {0, No} | 77, 88, 99 | 8 | ≅ Right | & Nominal | > Input |
| 136 | Q_staffphysical_01 | Numeric | 12 | 0 | Physical assault by staff | {0, No} | 77, 88, 99 | 8 | ≅ Right | & Nominal | > Input |
| 137 | Q_staffsexual_01 | Numeric | 12 | 0 | Sexual assault by staff | {0, No} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| | 1 | | | | | | ********** | at a second a second | | A COLUMN THE REAL PROPERTY. | - |



| | | ~ ₫ | | _= | 📱 🏴 🔥 📕 💆 📑 🐴 🖡 | | 6 | | | | |
|-----|------------------------|---------|------------------|----|---|----------------------------------|------------|---------|----------------|--|---------|
| | Name | Туре | Width | De | Label | Values | Missing | Columns | Align | Measure | Role |
| 167 | T_helpspecunit_01 | Numeric | 12 | 0 | If you have been on a specialist unit, did it help yo | {1, Yes, this helped} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 168 | T_plancustody_01 | Numeric | 12 | 0 | Do you have a custody plan? | {0, No} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 169 | T_planhelp_01 | Numeric | 12 | 0 | Are staff supporting you to achieve your objectives | {1, Yes} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 170 | T_planwhat_01 | Numeric | 12 | 0 | Do you understand what you need to do to achieve | {1, Yes} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 171 | U_helpaccomm_03 | Numeric | 12 | 0 | Are you getting help finding accommodation on rel | {1, Yes, I'm getting help with t | 77, 88, 99 | 8 | ≅ Right | & Nominal | > Input |
| 172 | U_helpbenefits_03 | Numeric | 12 | 0 | Are you getting help arranging benefits on release? | {1, Yes, I'm getting help with t | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 173 | U_helpdrug_03 | Numeric | 12 | 0 | Are you getting help setting up support for drug or | {1, Yes, I'm getting help with t | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 174 | U_helpeducat_03 | Numeric | 12 | 0 | Are you getting help setting up setting up educatio | {1, Yes, I'm getting help with t | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 175 | U_helpemploy_03 | Numeric | 12 | 0 | Are you getting help getting employment? | {1, Yes, I'm getting help with t | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 176 | U_helpfamily_01 | Numeric | 12 | 0 | Are you getting help getting back in touch with fa | {1, Yes, I'm getting help with t | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 177 | U_helpfinances_03 | Numeric | 12 | 0 | Are you getting help sorting out finances? | {1, Yes, I'm getting help with t | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 178 | U_helphealth_01 | Numeric | 12 | 0 | Are you getting support for health/mental health ne | {1, Yes, I'm getting help with t | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 179 | U_helpsocial_01 | Numeric | 12 | 0 | Are you getting support for social care needs? | {1, Yes, I'm getting help with t | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 180 | U_helptoprepare_03 | Numeric | 12 | 0 | Is anybody helping you to prepare for your release? | {0, No} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 181 | U_home_02 | Numeric | 12 | 0 | How close is this prison to your home or intended | {1, Very near} | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input |
| 182 | U_releasethree_01 | Numeric | 12 | 0 | Do you expect to be released in the next three mo | {1, Yes} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 183 | V_british_02 | Numeric | 12 | 0 | Are you a UK/British citizen? | {0, No} | 77, 88, 99 | 8 | Right | & Nominal | > Input |
| 184 | V_gender_03 | Numeric | 12 | 0 | What is your gender? | {1, Male} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 185 | V_kids_02 | Numeric | 12 | 0 | Do you have children under the age of 18? | {0, No} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| 186 | V_sexualorientation_01 | Numeric | 12 | 0 | How would you describe your sexual orientation? | {1, Heterosexual / straight} | 77, 88, 99 | 8 | 를 Right | & Nominal | > Input |
| 187 | V_trans_01 | Numeric | 12 | 0 | Do you identify as transgender or transsexual? | {0, No} | 77, 88, 99 | 8 | ≣ Right | & Nominal | > Input |
| 188 | V_veteran_01 | Numeric | 12 | 0 | Have you ever been in the armed services? | {0, No} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input |
| | 1 | | Name of the last | | | | | | | Name and Address of the Owner, where the Owner, which is the Ow | - |



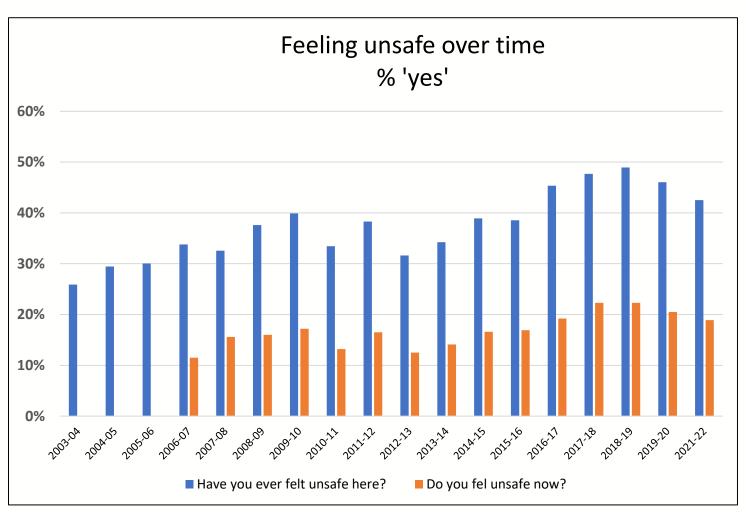
| 267 K_domestics_02 Numeric 12 0 How many day (1, None) 77, 88, 99 8 Right Nominal Input 1096 |] | | | * | μ | h 📕 🖺 | | | 4 | ARG | | | | |
|--|----------|-----------------------|---------|----------|----------|------------------|--------------|------------|---------|----------------|-----------|----------------|---------------|--|
| Red Red | | Name | Туре | Width | Decimals | Label | Values | Missing | Columns | Align | Measure | Role | [presortedaft | |
| Numeric 12 0 How often do y 1, None} 77, 88, 99 8 Right Nominal Input 584 | 266 | K_domestics_01 | Numeric | 12 | 0 | How many time | {1, None} | 77, 88, 99 | 8 | ≅ Right | & Nominal | > Input | 583 | |
| Regin | 267 | K_domestics_02 | Numeric | 12 | 0 | How many day | {1, None} | 77, 88, 99 | 8 | ≅ Right | & Nominal | > Input | 096 | |
| Numeric 12 0 How often do y 1, Twice a 77, 88, 99 8 Right Nominal Input 228 | 268 | K_gym_01 | Numeric | 12 | 0 | How often do y | {1, None} | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input | 584 | |
| Numeric 12 0 How often can 1, Twice a 77, 88, 99 8 | 269 | K_gym_02 | Numeric | 12 | 0 | How often do y | {1, Don't wa | 77, 88, 99 | 8 | ≅ Right | & Nominal | > Input | 275 | |
| Numeric 12 0 Do you know h (0, No) 77, 88, 99 12 | 270 | K_gym_03 | Numeric | 12 | 0 | How often do y | {1, Twice a | 77, 88, 99 | 8 | ≅ Right | Nominal | > Input | 228 | |
| 273 K_gymprob_01 Numeric 12 0 Are there any p. (1, Yes) 77, 88, 99 11 | 271 | K_gym_04 | Numeric | 12 | 0 | How often can | {1, Twice a | 77, 88, 99 | 8 | ≅ Right | & Nominal | > Input | 097 | |
| 274 K_library_01 Numeric 12 0 Any problems a {1, Yes} 77, 88, 99 8 Right Nominal Input 587 | 272 | K_gymlist_01 | Numeric | 12 | 0 | Do you know h | {0, No} | 77, 88, 99 | 12 | ≣ Right | & Nominal | > Input | 585 | |
| Numeric 12 0 How often are y 1, Don't wa 77, 88, 99 8 | 273 | K_gymprob_01 | Numeric | 12 | 0 | Are there any p | {1, Yes} | 77, 88, 99 | 11 | ≅ Right | & Nominal | > Input | 586 | |
| Residual Control of the control of | 274 | K_library_01 | Numeric | 12 | 0 | Any problems a | {1, Yes} | 77, 88, 99 | 8 | ≅ Right | & Nominal | > Input | 587 | |
| 277 K_librarydelivered_01 Numeric 12 0 How often are y {1, Twice a 77, 88, 99 8 | 275 | K_library_02 | Numeric | 12 | 0 | How often are y | {1, Don't wa | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input | 276 | |
| Numeric 12 0 Does the library 1, Yes} 77, 88, 99 8 Right Nominal Input 100 1 | 276 | K_library_03 | Numeric | 12 | 0 | How often are y | {1, Twice a | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input | 098 | |
| 279 K_news_01 Numeric 12 0 Can you get ac {1, Yes} 77, 88, 99 8 Right Nominal Input 487 | 277 | K_librarydelivered_01 | Numeric | 12 | 0 | How often are y | {1, Twice a | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input | 099 | |
| Right Rominal Romina | 278 | K_libraryrange_01 | Numeric | 12 | 0 | Does the library | {1, Yes} | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input | 100 | |
| Right Righ | 279 | K_news_01 | Numeric | 12 | 0 | Can you get ac | {1, Yes} | 77, 88, 99 | 8 | ≅ Right | & Nominal | > Input | 487 | |
| Right Nominal Nomeric Numeric Numeri | 280 | K_outside_01 | Numeric | 12 | 0 | How many day | {1, Don't wa | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input | 277 | |
| Right Nominal Numeric 12 0 How long do yo 1, <1 hour} 77, 88, 99 8 圖 Right Nominal Numeric 12 0 How long do yo 1, Less tha 77, 88, 99 8 圖 Right Nominal Numeric 12 0 How long do yo 1, Less tha 77, 88, 99 8 圖 Right Nominal Numeric 12 0 How long do yo 1, Less tha 77, 88, 99 8 圖 Right Nominal Numeric 10 Numeric 12 0 How long do yo 1, <1} 77, 88, 99 8 圖 Right Nominal Numeric Numeric 12 0 How long do yo 1, <1} 77, 88, 99 8 圖 Right Nominal Numeric Numeric 12 0 How long do yo 1, Less tha 77, 88, 99 8 圖 Right Nominal Numeric Numeric 12 0 How long do yo 1, Less tha 77, 88, 99 8 圖 Right Nominal Numeric Numeric 14 Numeric 15 Numeri | 281 | K_outside_02 | Numeric | 12 | 0 | How many day | {1, None} | 77, 88, 99 | 8 | ≡ Right | & Nominal | > Input | 101 | |
| 284 K_weekday_02 Numeric 12 0 How long do yo {1, Less tha 77, 88, 99 8 書 Right Nominal Input 278 285 K_weekday_03 Numeric 12 0 How long do yo {1, Less tha 77, 88, 99 8 書 Right Nominal Input 103 286 K_weekend_01 Numeric 12 0 How long do yo {1, <1} 77, 88, 99 | 282 | K_unlock_01 | Numeric | 12 | 0 | Do you know w | {1, Yes, and | 77, 88, 99 | 8 | ■ Right | & Nominal | | 102 | |
| 285 K_weekday_03 Numeric 12 0 How long do yo {1, Less tha 77, 88, 99 8 Right Nominal Input 103 286 K_weekend_01 Numeric 12 0 How long do yo {1, <1} | 283 | K_weekday_01 | Numeric | 12 | 0 | How long do yo | {1, <1 hour} | 77, 88, 99 | 8 | ≅ Right | & Nominal | > Input | 588 | |
| 286 K_weekend_01 Numeric 12 0 How long do yo {1, <1} | 284 | K_weekday_02 | Numeric | 12 | 0 | How long do yo | {1, Less tha | 77, 88, 99 | 8 | ≅ Right | & Nominal | > Input | 278 | |
| 287 K_weekend_02 Numeric 12 0 How long do yo {1, Less tha 77, 88, 99 8 🗏 Right & Nominal 104 | 285 | K_weekday_03 | Numeric | 12 | 0 | How long do yo | {1, Less tha | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input | 103 | |
| | 286 | K_weekend_01 | Numeric | 12 | 0 | How long do yo | {1, <1} | 77, 88, 99 | 8 | ■ Right | & Nominal | > Input | 589 | |
| | 287 | K_weekend_02 | Numeric | 12 | 0 | How long do yo | {1, Less tha | 77, 88, 99 | 8 | ≅ Right | & Nominal | → Input | 104 | |



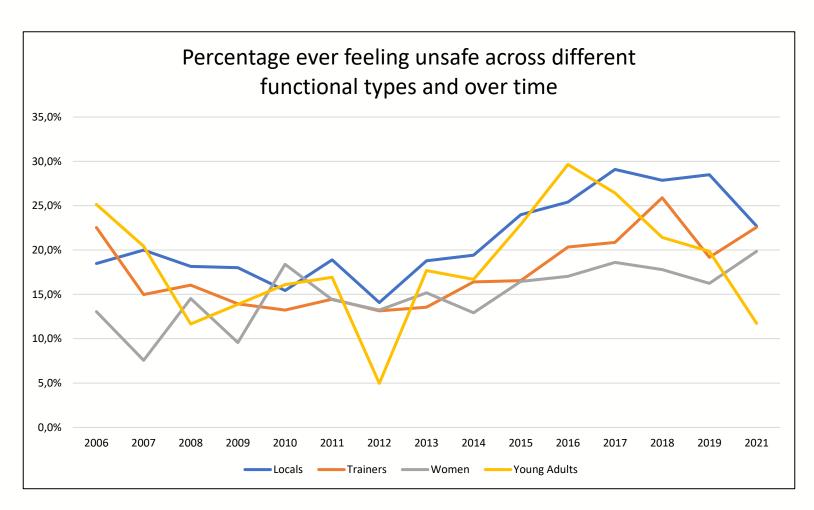
Feelings of Safety in Prison

- 1. Trends in prisoner's feelings of safety from 2000 to 2022
- 2. Prisoners' feelings of safety by **functional type** of prison
- Comparison of annual assault incidents over time and perceptions of feeling unsafe
- 4. Association between **safety perception** and different aspects of the prison experience, including the duration of imprisonment, first-time offender status, treatment in reception, feelings in the first night of incarceration, time spent out of the cell on weekdays, participation in education, and having a prison job.

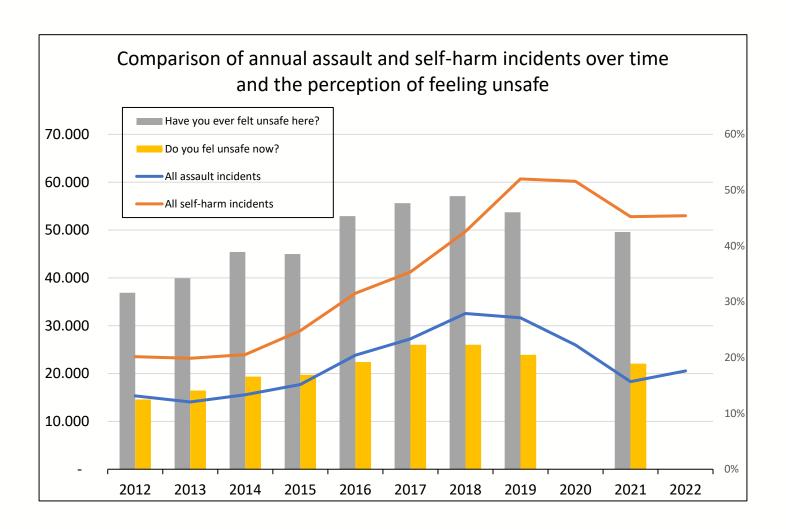














| | Do | you feel | | | | | |
|---------------------------|-------------|-----------------|------------|---------------------------------------|------------|----------------|---------|
| | - | No els safe) | (i.e | <mark>Yes</mark> . feels isafe) | OR | 95% CI | p-value |
| | No. | % | No. | <mark>%</mark> | | | |
| How long have you be | en in this | s prison? | | | | | |
| < 6 months | 14231 | _ | 3373 | <mark>19.1</mark> | 1 | | |
| > 6 months | 17279 | 81.8 | 3848 | <mark>18.2</mark> | -937 | o.893to o.989 | <.05 |
| Is this your first time i | n prison? | | | | | | |
| No | 6882 | 85.2 | 1200 | <mark>14.8</mark> | 1 | | |
| Yes | 16279 | 82.0 | 3568 | <mark>18.0</mark> | 1.257 | 1.171 to 1.350 | <.001 |
| Overall, how were yo | J treated | in recept | ion? | | | | |
| Well | 45987 | 86.6 | , , | <mark>13.4</mark> | 1 | | |
| Badly | 5559 | 60.8 | 3586 | <mark>39.2</mark> | 4.155 | 3.957 to 4.363 | <.001 |
| Did you feel safe on y | our first r | night here | ? | | | | |
| Yes | 54134 | - | 5948 | <mark>9-9</mark> | 1 | | |
| No | 7874 | 50.8 | 7615 | <mark>49.2</mark> | 8.802 | 8.445 to 9.173 | <.001 |
| How long do you usua | | | our cell d | n a typica | al weekday | /? | |
| < 2 hrs | 9861 | 69.6 | 4306 | <mark>30.4</mark> | 1 | | |
| > 2 hrs | 49210 | 84.9 | 8731 | <mark>15.1</mark> | .406 | o.389 to o.424 | <.001 |
| Are you in education? | | | | | | | |
| No | 28837 | 83.6 | 5651 | <mark>16.4</mark> | 1 | | |
| Yes | 11248 | 84.7 | 2029 | <mark>15.3</mark> | .921 | o.871 to o.973 | < .05 |
| Do you have a prison | job? | | | | | | |
| No | 17048 | 86.8 | 4176 | <mark>19.7</mark> | 1 | | |
| Yes | 23037 | 80.3 | 3504 | <mark>13.2</mark> | .621 | 0.591 to 0.652 | <.001 |
| | | | | | | | |

Prison Conditions and Expected Recidivism

Arnaud Chevalier (RHUL)



Research Question



Does Overcrowding and Understaffing affect prisoners' expectations of recidivism?

Affects well-being and access to facilities within prison but does it also affect long-run outcomes, after release?

Why does it matter?

- Proven recidivism: ~30%
- Cost of reoffending: £18 billions/year! (Newton et al, 2019)

Challenges



- Over-crowding and staff shortages might not be random or may be correlated with establishment characteristics
 - i.e. establishments most affected might differ in some "unobserved way" that also correlates with propensity to recidivism
- Thought experiment:
 - Compare outcomes of prisoners randomly allocated to identical establishments that differ only in their overcrowding / staff shortage

What we can do?



- Compare individuals in the same establishment at different points in time
 - Can also account for time effects

- Predicted reoffending, not realised which is not observed (the survey does not identify individuals)
 - Likely underestimate the level of recidivism
 - but ok for changes in expectations

Data

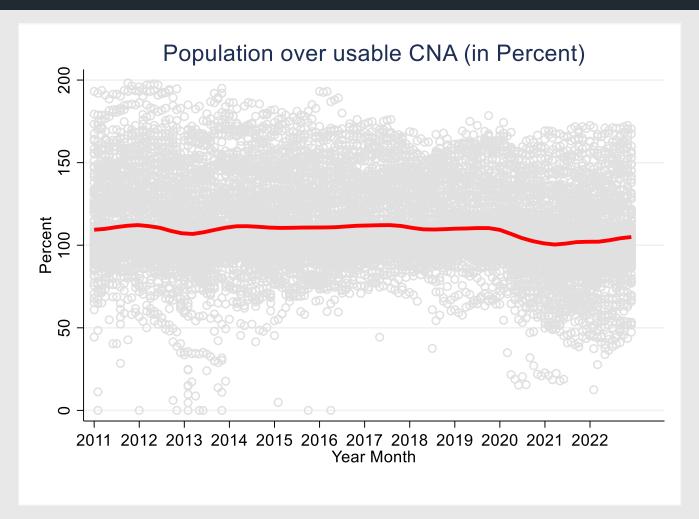


HMIP survey data

- "Have you done anything to make you less likely to offend in the future?" (2001/2016)
- Do you think your experiences in this prison have made you more or less likely to reoffend in the future? (2017/..)
- Additional questions could help understand the mechanisms
- MoJ: Prison Population Figures (Monthly)
 - Population/Certified Normal Accommodation
- MoJ: Prison and Probation Service workforce statistics
 - Total FTE Publicly funded establishment only

Overcrowding

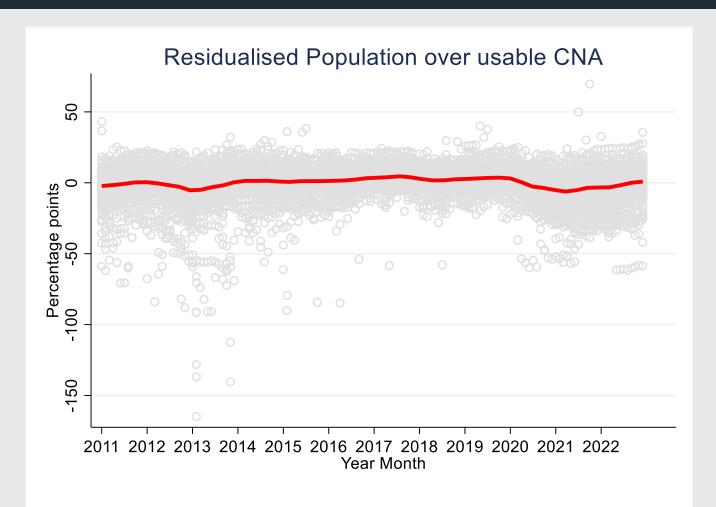




But of interest is the within establishment/overtime

(Residualised) Overcrowding

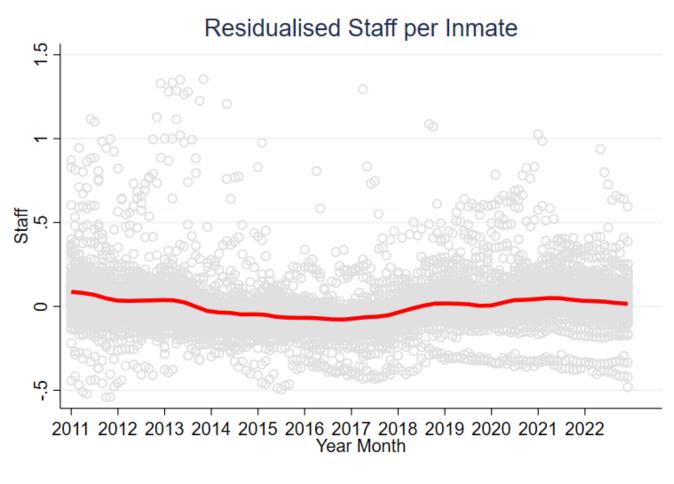




Still substantial variation within establishment

(Residualised) Total staff per inmate

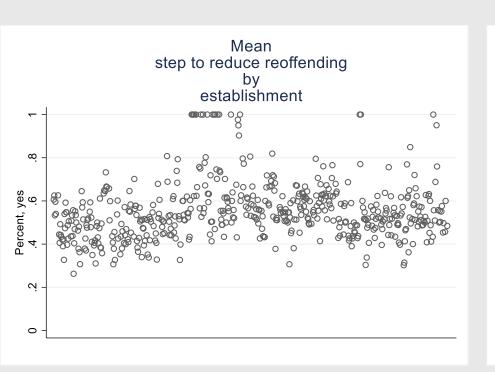


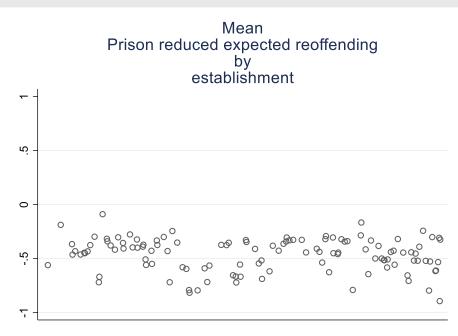


- Again, substantial variations even within
- establishment

Expected Recidivism







Substantial variation by establishment

What's next?



- Link all the data together at the establishment, year, month level
 - Note: Month is not reported in the survey, but can be inputed from HMIP reports
- Use survey information on access to different services to understand potential mechanisms

Get Involved...





What are **you** interested in?



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