



Ministry
of Justice

Justice Data Lab Statistics

March 2016

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Introduction

This report presents the latest findings from the Justice Data Lab, and summarises the requests for re-offending information through the Justice Data Lab for the period 2 April 2013 to 29 February 2016.

This report has been produced and published in line with the Code of Practice for Official Statistics. This report will be updated and published on the second Thursday of each month for the duration of the Justice Data Lab pilot.

We welcome any feedback on this report or any other Justice Data Lab products. Please use the contact details at the end of this report to let us know your feedback.

What is the Justice Data Lab initiative and how does it work?

The Justice Data Lab is a small team from Analytical Services within the Ministry of Justice (the Justice Data Lab team) that supports organisations that provide offender services by allowing them easy access to aggregate re-offending data, specific to the group of people they have worked with. This service is intended to support organisations in understanding their effectiveness at reducing re-offending.

Participating organisations supply the Justice Data Lab with details of the offenders who they have worked with, and information about the services they have provided. The Justice Data Lab team matches these individuals to the re-offending datasets held within the Ministry of Justice and uses statistical modelling techniques to generate a matched control group of individuals with very similar characteristics. As a standard output, the Justice Data Lab supplies aggregate one year proven re-offending rates for the group of offenders the organisation has worked with, and those of the matched control group of similar offenders.

The re-offending rates for the organisation's group and the matched control group are also compared using statistical testing to assess the impact of the organisation's work on reducing re-offending. The results are then returned to the organisation with explanations of the key metrics, and any caveats and limitations necessary for interpretation of the results.

Finally, the tailored reports produced for each organisation are published on the Ministry of Justice website to promote transparency and ensure that findings produced through this service can be used by others to improve the rehabilitation of offenders.

Key Findings

The following activity has taken place this month:

- One request is being published this month. In addition we are publishing the response to the peer-review of the Justice Data Lab (JDL) methodology.
- The request is for the charity Phoenix Futures who assist to rebuild the lives of those with substance misuse issues. This analysis incorporates Offender Assessment System (OASys) information to be able to control for the complex needs of the treatment group analysed. This analysis indicates that there is currently insufficient evidence at this stage to draw a conclusion about the impact of completing the Therapeutic Communities (TC) programme run by Phoenix Futures on the one year proven re-offending rate. Likewise, none of the remaining re-offending measures tested were statistically significant.
- The methodology review report is a response to a peer review of the JDL methodology that was put in place at the start of the JDL service. The JDL have committed to investigate several areas to assess how they may enhance the service provided. These areas include comparing the impact of using alternative statistical techniques, assessing how the JDL model can be refined, analysing additional sensitivity analyses and considering data retention practices.

To date:

Between the launch of the Justice Data Lab service on 2 April 2013 and 29 February 2016, there were 173 requests for re-offending information through the Justice Data Lab. Of these requests;

- 130 reports have been published previously. 1 report is being published this month.
- 20 requests could not be answered as the minimum criteria for a Justice Data Lab analysis had not been met.
- 3 requests were withdrawn by the submitting organisation previously.
- The remaining 19 requests will be processed in due course.

Next publication:

The next publication from the Justice Data Lab will be on 14 April 2016.

Definitions used in Justice Data Lab reports:

One-year proven re-offending rate

The one-year proven re-offending rate is defined as the proportion of offenders in a cohort who commit an offence in a one-year follow-up period which was proven through receipt of a court conviction, caution, reprimand or warning during the one year follow-up or in a further six month waiting period. The one-year follow-up period begins when offenders leave custody, start their court sentence, or from receipt of their caution.

Frequency of one-year proven re-offending

The frequency of one-year proven re-offending is defined as the number of re-offences committed in a one-year follow-up period which were proven through receipt of a court conviction, caution, reprimand or warning during the one year follow-up or in a further six month waiting period. The one-year follow-up period begins when offenders leave custody, start their court sentence, or from receipt of their caution.

Time to first re-offence within a year

Time to re-offending is defined as the average number of days between the index date (release date from custody or start of probation date) and the offence date of the first re-offence within the one-year follow-up period described in the definitions above. This measure is only calculated for individuals who re-offended in the one-year follow-up period.

Effect on the severity of re-offending¹

The Ministry of Justice and the Home Office have developed a severity classification system to identify three tiers of offences, with tier 1 offences being the most serious and tier 3 offences being the least serious. These measures look at the severity of re-offences committed during the one-year re-offending period and compare whether the first re-offence was more or less severe than the original offence. The latest classification for tier 1 and 2 offences can be found in Annex A of the 'Measurements and definitions' document, which accompanies proven re-offending quarterly statistics – please see the following link: www.gov.uk/government/uploads/system/uploads/attachment_data/file/368435/proven-reoffending-definitions-measurement-oct13.pdf

Measures of re-offending resulting in custody¹

These measures refer to re-offences committed during the one-year re-offending period that resulted in the individual receiving a custodial sentence. They look at the proportion of offenders who received a custodial sentence for their first re-offence and the number of re-offences per individual resulting in a custodial sentence

¹ These measures will only be included if the categories contain sufficient numbers of individuals.

Summary of the report being published this month

Organisation and Programme	Summary of Programme	Effect on the one year proven re-offending rate	Effect on the frequency of re-offending and the time to first re-offence	Effect on the severity of re-offending and custody for re-offending
<p>1</p> <p>Phoenix Futures - Therapeutic Communities Programme (March 2016)</p> <p>Substance Misuse</p>	<p>Phoenix Futures' prison-based Therapeutic Communities (TC) are self-help communities that assist to rebuild the lives of those with substance misuse issues. These communities are run by the residents themselves who support one another to examine their attitudes and behaviours in order to bring about change. They are consciously designed, community-based social environments designed to evoke social, psychological and behavioural change.</p> <p>Offenders had to be interested in the TC programme, be motivated to change, to put the work in and be abstinent. Only adult males could attend the communities and had to have some form of drug or alcohol issues, not necessarily linked to their offence, although most were.</p>	<p>The one-year proven re-offending rate for 93 offenders who completed this programme was 39%, compared with 44% for a matched control group of similar offenders which accounted for the most complex needs. This result is not statistically significant.</p>	<p>When controlling for the most complex needs, the frequency of one-year proven re-offending for 93 offenders who completed the TC programme was 1.19 offences per individual, compared with 1.37 offences per record in the matched control group.</p> <p>The average time to the first re-offence for the 36 individuals who completed the TC programme, and who re-offended within a one-year follow-up period, was 121 days. This compares to 138 days for the 18,540 records from the matched control group.</p> <p>Both results are not statistically significant.</p>	<p>When assessing the frequency of re-offences by severity level and comparing to the severity of the original offence, none of these measures were statistically significant</p> <p>Of the 36 individuals who completed the TC programme and re-offended within a one-year follow-up the proportion of first re-offences resulting in custody was 44% compared to 49% for the matched control group. This result is also not statistically significant.</p>

Annex: Links to the Justice Data Lab individual reports published to date. Requests are organised by intervention type, then by most recent publication.

Youth Interventions

[GOALS UK](#)

[Roundabout](#)

[Warwickshire Youth Justice Service](#)

Restorative Justice

[Prison Fellowship - Sycamore Tree programme](#)

Relationship Building

[Safe Ground – Family Man Programme – fifth request](#)

[Leap](#)

[Safe Ground - Family Man programme - fourth request](#)

[Time for Families - second request](#)

[Safe Ground - Family Man programme - third request](#)

[Time for Families - first request](#)

[Pre-school Learning Alliance 'Being Dad' programme and Family Days activities](#)

[Safe Ground - Family Man programme - second request](#)

[Safe Ground - Family Man programme - first request](#)

Problem Solving

[Community Justice Court \(CJC\) at Plymouth Magistrates' Court](#)

Mentoring

[Women's Centres throughout England](#)

[Inside Out \(Wormwood Scrubs Community Chaplaincy\)](#)

[Lancashire Women's Centres](#)

[The Footprints Project](#)

[West Yorkshire Community Chaplaincy Project](#)

[Foundation](#)

[The Prince's Trust "Through-the-Gate" Mentoring Pilot](#)

[St. Helens Integrated Offender Management](#)

[HMP Swansea Community Chaplaincy Project](#)

Health and Wellbeing

[The Prison Phoenix Trust](#)

Substance Misuse

Phoenix Futures

Employment

[Working Chance – second request](#)

[HMP Kirklevington Grange](#)

[NOMS CFO Employment Programme Round 1 – Delivery during 2011: Support starting during community sentences](#)

[NOMS CFO Employment Programme Round 1 – Delivery during 2011: Support starting following release from custody](#)

[NOMS CFO Employment Programme Round 1 – Delivery during 2011: Support starting in custody](#)

[Working Chance](#)

[Everyday Skills](#)

[A4e First Steps Programme](#)

[HMP Downview D Wing Resettlement Unit](#)

[NOMS CFO Employment Programme delivered in custody in 2010 \(National Analysis\)](#)

[NOMS CFO Employment Programme delivered in the community in 2010 \(National Analysis\)](#)

[NOMS CFO Employment Programme delivered in custody in 2010 \(East Midlands\)](#)

[NOMS CFO Employment Programme delivered in the community in 2010 \(East Midlands\)](#)

[NOMS CFO Employment Programme delivered in custody in 2010 \(East of England\)](#)

[NOMS CFO Employment Programme delivered in the community in 2010 \(East of England\)](#)

[NOMS CFO Employment Programme delivered in custody in 2010 \(London\)](#)

[NOMS CFO Employment Programme delivered in the community in 2010 \(London\)](#)

[NOMS CFO Employment Programme delivered in the community in 2010 \(Merseyside\)](#)

[NOMS CFO Employment Programme delivered in custody in 2010 \(North East\)](#)

[NOMS CFO Employment Programme delivered in the community in 2010 \(North East\)](#)

[NOMS CFO Employment Programme delivered in custody in 2010 \(North West including Merseyside\)](#)

[NOMS CFO Employment Programme delivered in the community in 2010 \(North West excluding Merseyside\)](#)

[NOMS CFO Employment Programme delivered in custody in 2010 \(South East\)](#)

[NOMS CFO Employment Programme delivered in the community in 2010 \(South East\)](#)

[NOMS CFO Employment Programme delivered in custody in 2010 \(South West\)](#)

[NOMS CFO Employment Programme delivered in the community in 2010 \(South West\)](#)

[NOMS CFO Employment Programme delivered in custody in 2010 \(West Midlands\)](#)

[NOMS CFO Employment Programme delivered in the community in 2010 \(West Midlands\)](#)

[NOMS CFO Employment Programme delivered in custody in 2010 \(Yorkshire and the Humber\)](#)

[NOMS CFO Employment Programme delivered in the community in 2010 \(Yorkshire and the Humber\)](#)

[Blue Sky](#)

Education

[Prisoners Education Trust – second request – combines JDL comparisons and bespoke comparisons](#)

[Prisoners Education Trust – Analysis of all grant types – first request](#)

[Prisoners Education Trust - Grants for Open University courses - first request](#)

[Prisoners Education Trust \(PET\) – Grants for accredited courses funded by PET through the Department for Business Innovation & Skills \(BIS\) grants - first request](#)

[Prisoners Education Trust \(PET\) - Grants for unaccredited courses funded by PET through the Department for Business Innovation & Skills \(BIS\) grants - first request](#)

[Prisoners Education Trust - Grants for art and hobby materials - first request](#)

Arts

[Only Connect](#)

[The Koestler Trust - Koestler Trust awards](#)

Accommodation

[Langley House Trust](#)

[Adelaide House Approved Premise](#)

[Home Group Residential and support service - Delivered whilst on community sentences](#)

[Home Group Residential and support service - Delivered after prison sentences](#)

[Home Group Short Term Accommodation \(STA\) service - Home Detention Curfew Order following release from custody](#)

[Home Group Support Only service - Delivered whilst on community sentences](#)

[Home Group Support Only service - Delivered after prison sentences](#)

[Home Group Support Only service - Overall - Delivered whilst on community sentences or after prison sentences](#)

[NOMS Bail Accommodation and Support Services \(BASS\) - Bail with a prison or probation sentence](#)

[NOMS Bail Accommodation and Support Services \(BASS\) - Bail with a conditional discharge or fine](#)

[NOMS Bail Accommodation and Support Services \(BASS\) - Home Detention Curfew Order following release from custody](#)

[Riverside ECHG Wigan Offender Accommodation Resettlement Service](#)

[Brighton & Hove City Council - Preventing Offender Accommodation Loss \(POAL\) Project](#)

[Shelter Housing advice / assessment sessions in HMP Leeds](#)

Reviews of the Justice Data Lab service

[“Justice Data Lab: The pilot year”](#) shares learning from our experience of running the pilot in its first year, published in March 2014.

[“Justice Data Lab: Pilot summary”](#) presents aggregated results from all reports analysed during the two-year pilot period

[“Justice Data Lab: Feedback report”](#) shows opinions on the Justice Data Lab gathered from organisations that used the service during the pilot.

Methodology Papers

[Justice Data Lab Methodology Paper](#) shows the methodology agreed for the Data Lab when it was launched in 2013.

[Incorporating Offender Assessment data to the Justice Data Lab process – Methodology](#) explains the method for incorporating Offender Assessment System (OASys) data, to control for specific issues an offender needs help with (e.g. accommodation, relationships, drug/alcohol misuse, mental health).

Contact Points

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General information about the official statistics system of the United Kingdom is available from statisticsauthority.gov.uk/about-the-authority/uk-statistical-system

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