



Ministry  
of Justice

# Justice Data Lab Statistics

## August 2015

13 August 2015



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of Justice**

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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<sup>nd</sup> April 2013 to 31<sup>st</sup> July 2015.

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 has been fully answered and is being published this month:

The request is for Nottingham Women's Centre and the analysis is of the CHANGES programme, which is a multi-purpose intervention that aims to divert women from re-offending, assessed against a matched comparison group. This analysis indicates an inconclusive result in the main one year proven re-offending rate.

### **To date:**

Between the launch of the Justice Data Lab service on the 2<sup>nd</sup> April 2013, and 31<sup>st</sup> July 2015 there were 160 requests for re-offending information through the Justice Data Lab. Of these requests;

- 125 reports have been published previously. 1 report is being published this month.
- 19 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 12 requests will be processed in due course.

## **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 re-offending**

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 that re-offended in the one year follow-up period.

Table 1: Request being published this month.

Organisation and Programme	Summary of Programme	Effect on the one year proven re-offending rate	Effect on the frequency of one year proven re-offending	Effect on the time to re-offending
<p>1</p> <p><b>Nottingham Women's Centre (August 2015) Multi-Purpose Intervention</b></p>	<p>This analysis assessed the impact on re-offending of persons who participated in the CHANGES (Creating Hope Achieving New Goals Experiencing Success) programme, a women's community service provided by Nottingham Women's Centre. Nottingham Women's Centre is run by women, for women. It exists to help women to achieve their aims, become stronger and more independent, and to provide a safe and supportive environment in which women can do this. Nottingham Women's Centre offered support based on each woman's individual needs, within the 9 resettlement pathways highlighted by Baroness Corston's report, which was based on vulnerable women in the criminal justice system. The 9 resettlement pathways are; Accommodation; Attitudes, Thinking &amp; Behaviour; Education; Finance, Benefit &amp; Debt; Family &amp; Children; Health; Substance Misuse; Abuse; Prostitution.</p>	<p>This analysis looked at the impact of participating in the CHANGES programme provided by Nottingham Women's Centre. This analysis is currently inconclusive as the one year proven re-offending rate is between a 13 percentage point reduction, and a 3 percentage point increase compared to a matched control group of similar individuals from England and Wales.</p> <p>When this analysis was repeated with a control group of similar individuals from the East Midlands only, the conclusion of the analysis was the same, although the estimate of the specific impact on re-offending was different.</p>	<p>The frequency of one year proven re-offending for 80 offenders who participated in the CHANGES programme provided by Nottingham Women's Centre was 0.3 offences per individual, compared with 0.49 per individual in a matched control group of similar individuals from England and Wales. Statistical significance testing has shown that this difference in the frequency of re-offending is not statistically significant. When this analysis was repeated with a control group of similar individuals from East Midlands only, the conclusion of the analysis was the same, although the estimate of the specific impact on the frequency of re-offending was different.</p>	<p>The average time to the first offence within a year for the 11 individuals that were matched, and re-offended, after participating in the CHANGES programme provided by Nottingham Women's Centre was 206 days. This compares to 158 days for the 13,035 individuals who re-offended from a matched control group of similar individuals from England and Wales. Statistical significance testing has shown that this difference in the time to first re-offence within a year is not statistically significant.</p> <p>When this analysis was repeated with a control group of similar individuals from the East Midlands region only, the conclusion of the analysis was the same. The average time to the first offence within a year for the 11 individuals that were matched, and re-offended, after participating in the CHANGES programme was 206 days. This compares to 159 days for the 964 individuals who re-offended from a matched control group.</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**

[Roundabout](#)

[Warwickshire Youth Justice Service](#)

### **Restorative Justice**

[Prison Fellowship - Sycamore Tree programme](#)

### **Relationship Building**

[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](#)

### **Employment**

[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 – Analysis of all grant types](#)

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

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

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

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

## **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.

## 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](http://statisticsauthority.gov.uk/about-the-authority/uk-statistical-system)

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