



Ministry  
of Justice

# **Justice Data Lab Statistics**

## **September 2015**

10 September 2015



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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> August 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 the Prisoners Education Trust, who are a charitable organisation providing grants for academic and vocational courses and to purchase arts/hobby materials. Learning is supported through a combination of PET's charitable funds and grant funding to PET from the Department for Business Innovation and Skills (BIS) and the Welsh Assembly Government for courses falling into specified criteria. Information on the availability of distance learning grants is available in prisons via distance learning co-ordinators generally in education departments. Eight analyses were completed using Justice Data Lab matched control groups, looking at the impact of grants given for specific learning types or for those refused such grants:

- Academic courses;
- Vocational courses;
- arts and hobby materials;
- BIS accredited courses;
- Open University courses;
- Any grant type;
- Refused on a time technicality;
- Refused (not on a time technicality)

All analyses indicate that there are statistically significant reductions in the one year proven re-offending rate.

There were also four bespoke comparisons between different groups of offenders who applied for PET's grants, comparing those who were awarded with those who were refused such grants:

- All awarded compared to those refused on a "time technicality";
- Awarded first time compared to those refused then awarded;
- All awarded compared to all refused;
- Refused then awarded compared to those refused (not on "time technicality")

The first two analyses showed statistically significant differences in the one year proven re-offending while the last two analyses were inconclusive.

### To date:

Between the launch of the Justice Data Lab service on the 2<sup>nd</sup> April 2013, and 31<sup>st</sup> August 2015 there were 164 requests for re-offending information through the Justice Data Lab. Of these requests;

- 126 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 15 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 – Summary of comparisons to Justice Data Lab control groups in the request being published this month

Grant Type	1 year proven reoffending rate		Frequency of re-offending	Time to re-offence
	Significant Difference	Reduction in re-offending	Significant Difference	Significant Difference
<b>Awarded (any grant type)</b>	Y	<b>-8.0% to -5.7%</b>	Y	Y
Academic Awards <sup>1</sup>	Y	-7.9% to -4.1%	Y	Y
Vocational Awards <sup>1</sup>	Y	-9.0% to -6.1%	Y	Y
Arts/Hobby Material Awards <sup>1</sup>	Y	-9.6% to -0.3%	N	N
Awards for BIS Accredited Courses <sup>1</sup>	Y	-10.0% to -1.0%	Y	Y
Awards for Open University Courses <sup>2</sup>	Y	-8.0% to -4.1%	Y	Y
Refused (excluding on technicality) <sup>3</sup>	Y	-8.9% to -4.1%	Y	N
Refused (on technicality) <sup>3</sup>	Y	-12.9% to -3.5%	Y	N

Table 2 – Summary of bespoke comparisons in the request being published this month

Treatment group	Comparison group	1 year proven reoffending rate		Frequency of re-offending	Time to re-offence
		Significant Difference	Estimate of Impact On Reoffending	Significant Difference	Significant Difference
Awarded	Refused	N	-2.6% to +1.9%	N	N
Awarded	Refused (on time technicality)	Y	-10.7% to -1.4%	Y	N
Awarded first time	Refused then awarded	Y	1.5%pts to 8.8%	Y	Y
Refused then awarded	Refused (not on time technicality)	N	-7.6% to +0.7%	Y	Y

**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 – 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.

## 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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