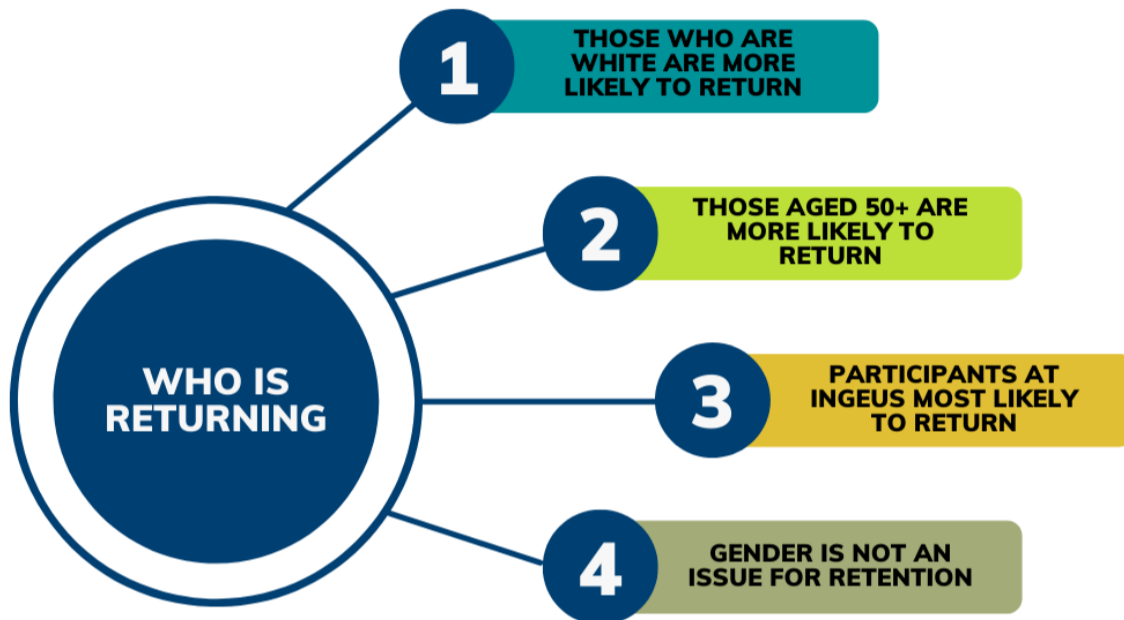


#16a Her Majesty's Prison and Probation Service – Offender Hub Activities

An Analysis Into Hub Activities and Its Correlation With Retention

Lilly Crellin | BA Hons Criminology



Graph displaying percentage of retention and participation in activities by provider

Overview of the Data Fellowship

Her Majesty's Prison and Probation Service Co-Financing Organisation (HMPPS CFO) recently set up the CFO Activity Hubs with the dual aims of increasing offender's engagement with mainstream services and to encourage Hub participants to lead law abiding lives. During the 8 weeks there, I focused on outlining the effectiveness of Hub activities and how they can be linked to a possible increase in participant retention.

Data Analysis

To investigate the above aims, a combination of different methods of data analysis were used, primarily using Excel and SPSS. The analysis involved examining each Hub activity via crosstabulation and to determine the characteristics of people who took part in it. As retention was the primary focus of this report, Pearson's Chi Square Tests identified any statistically significant differences between participant characteristics and our definition of retention. A logistic regression was conducted to assess retention, with statistical significance being considered at $p < 0.05$ to determine what factors made participants more or less likely to return to the Hubs. Additionally, odds ratios were also used utilised to estimate the size of the impacts of the available activities and other factors on retention.

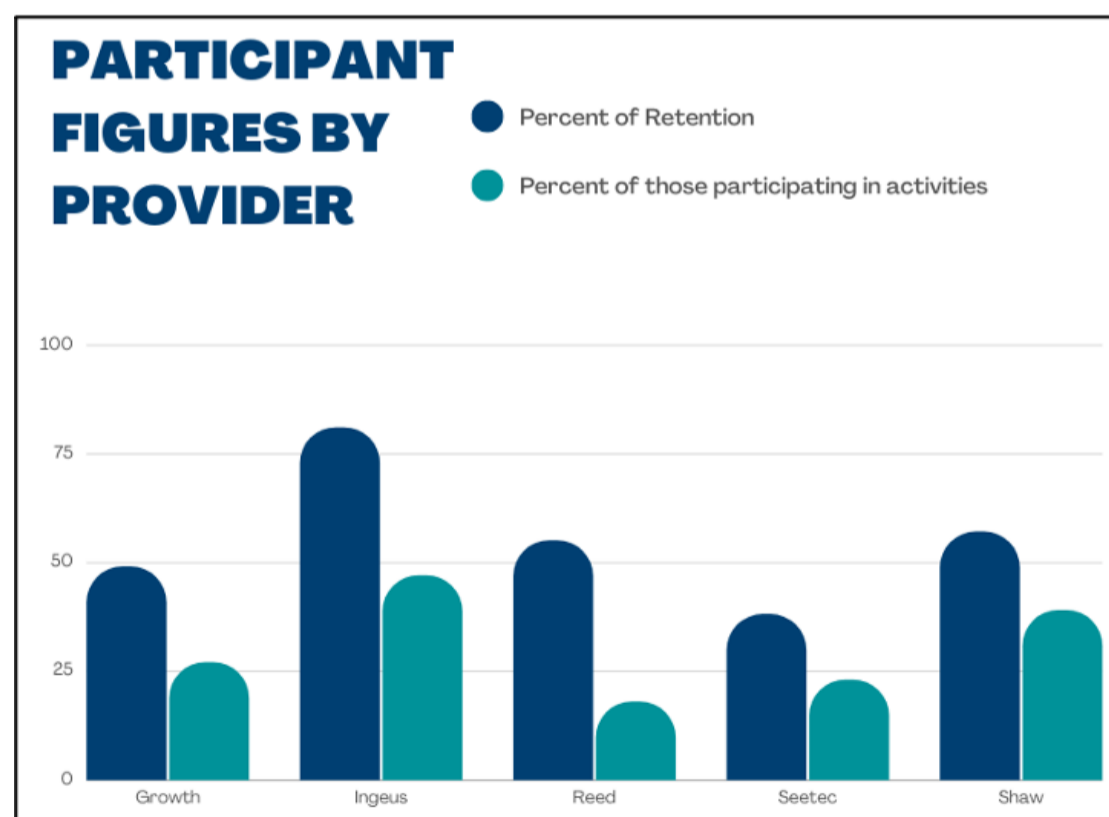
Findings

- It was found, when looking at the participants reported activity interests, there was great demand in activities such as 'Baking' and 'DIY'. An interest in Baking was reported by 50% of participants across all Hubs, and an interest in DIY was reported by 45% of participants

- It was found that there was no accurate way of understanding how popular an activity such as Baking may be, due to a lack of granularity and it falling under the 'Life Skills' SL
- 14% of participants across all providers took part in Sports, making it the most popular, and the Drama the least, with only 1.6% taking part
- White men in their 50s were the biggest demographic in participation, but it was acknowledged that they were not the most successful participants, as 40% of all female participants engaged whereas only 31% of the male participants engaged.
- The retention figures highlighted how the demographic of those most likely to return mirrors the group who engages the most (White men in their 50s)
- In-depth analysis revealed that people were more inclined to participate in other offered activities and SLs after completing an activity at a hub

Key Skills Learnt

- Data manipulation
- SPSS
- Excel
- Data visualisation with infographics
- Report writing
- Logistic regression



An infographic to show who is returning to Hubs