

# Q-STEP SUMMER INTERNSHIPS 2021

## Greater Manchester Combined Authority - Troubled Families - Attendance Data

### Organisation and Team

GMCA: Research

Broadhurst House, 56 Oxford Street, Manchester,  
M1 6EU

### Selection Method

Written CV & cover letter followed by an  
interview

### Project Outline

We currently attempt to analyse our 40,000 families via excel, as we bid for system improvements. We can demonstrate pattern for the full cohort which doesn't tell a great story in terms of attendance. We would really benefit from support understanding family typology a little better. If families meet 2 criteria instead of 6, do we have greater success. If domestic abuse is present in the household, how do the results differ etc?

Each GM Local Authority supply us with the anonymised linked data to show when families started the programme, which of the 6 headline criteria they meet (Crime, attendance, safeguarding, finance, domestic abuse and health) For attendance data, we are provided with the % of attendance per term, back to 2014. We then have to calculate which results are 12 months before intervention, during and 12 months after intervention. We can average this out for the full cohort and it shows mixed results. We would really like to explore further to understand what type of families we have success with and which we struggle to improve the attendance with.

### Application Criteria

#### Essential:

- Analytical thinking and problem solving
- Written communication skills
- High level of accuracy
- Ability to use Excel to record and analyse data.

#### Desirable:

- Data Visualisation
- Ability to use SPSS to record and analyse data.
- Knowledge of SQL.

### Practical Considerations

8 week internship

Most likely to be remote-working

### Issues of Data Confidentiality

No – anonymised data

### Support and training

Mentoring and guidance

### Keywords

Analyse data on 40,000 families