Fraud Detection Report

# Potential Fraud - Random Forest

## Top 10 Prescriber to Dispenser Locations

This table shows the top 10 Prescribe/Dispenser locations based on resiude.

fraud\_data\_table

| **PrescriberLocation** | **DispenserLocation** | **HB** | **DispenserLocationType** | **PrescriberLocationType** | **AvgResidual** | **MaxRatio** | **Count** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 39,072 | 39,072 | S08000026 | DISPENSING DOCTOR | GP PRACTICE | 1.7487607 | 2.217019695 | 2 |
| 39,161 | 9,512 | S08000026 | COMMUNITY PHARMACY | GP PRACTICE | 1.2950419 | 1.845000000 | 1 |
| 39,049 | 9,512 | S08000026 | COMMUNITY PHARMACY | GP PRACTICE | 1.1652081 | 1.501779359 | 1 |
| 39,087 | 9,510 | S08000026 | COMMUNITY PHARMACY | GP PRACTICE | 0.8975515 | 1.061558785 | 2 |
| 39,020 | 9,512 | S08000026 | COMMUNITY PHARMACY | GP PRACTICE | -0.6938458 | 0.004752852 | 1 |

## Test Data Graph

This graph shows the output for the random forest model using NHS open data source Prescriber/Dispenser Dataset.

final\_graph

