

Proposed Miniprojects from the National Health Service's Commissioning Support Unit (NHS CSU), for Birmingham, Black Country and Solihull

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**Project: Modeling A&E utilization with GP Clinic Opening times**

Utilization of A&E services has seen a steady year on year growth of approximately 3%. One hypothesized cause for this is patients go to A&E as it's difficult to access their GP surgery clinics.

The goal of this project is to examine how rates of A&E visits vary dependent on GP clinic timings. Of course, there are numerous effects that could explain variation in A&E utilization, and thus any model must consider a large number of nuisance variables. The project will make use of the detailed records at the NHS CSU for the West Midlands to identify such an effect and characterize its importance.

A local CCG will use this information to help assess its out of hours and walk-in clinic requirements for a future procurement.

**Picture 2 – A report showing an anonymised practices A&E activity by hour of the day and days of the week.**

