# Intermediate R for handling NHS data

## Who this course is for

Whether you are a data scientist or data analyst wanting to develop your skills in R, or working elsewhere in the NHS and want to learn how to work with your own data, this course will help you learn the skills you need to succeed.

## Prior knowledge

This is an intermediate course, so you will need to already have some experience of using R, including the use of

* Basic dplyr functions for data manipulation and joining tables
* ggplot2

## This course covers

* Basic data tidying
* Advanced dpylr wrangling
* Alternative joins and concatenation
* Slicing data
* Fancy filtering
* Conditionals
* Grouped mutates
* Pivot wider and longer
* Rolling functions
* Row numbers
* Date manipulation
* Strings
* Intro to factors
* Dynamic text with glue
* Basic SPC
* Very basic functions
* Super simple loops

### Course length

This course will run for 4 weeks & will likely require 2 hours of study per week.

### Target course start date

Monday 25th November

**Why should learners join this course?**

This course is based on the same training material used by the NHS-R Community to deliver the heavily oversubscribed intermediate R courses. Taking this course will allow you to learn the same skills with the flexibility to study when and how you prefer.

## Learning outcomes

By the end of the course, you’ll be able to

* tidy and manipulate real world healthcare data
* ask for help

**Why are you the best organisation to deliver this course?:**

The NHS-R Community started in 2018 to promote the use of R in the NHS and the wider health and care system, and the community has grown rapidly ever since. It is a community that is broader than the NHS as members come from public sector organisations across the UK, including Local Authorities and Civil Service, as well as academics and voluntary sector people who have an interest in healthcare.

[Home - NHS-R Community (nhsrcommunity.com)](https://nhsrcommunity.com/)

