

Impact of the Covid-19 pandemic on provision of acute care in Scotland.

Emma, Justyna, Tom, Louise



Team



Emma



Justyna



Louise




Tom





Summary



Project brief and our Approach
KPIs
Dashboard
Key findings


Project Brief

1. To what extent are the 'winter crises' reported by the media real?
2. How has the Covid-19 pandemic affected provision of acute care in Scotland?

- **Temporal:** How has this issue changed over time? (Is it getting better or worse?)
- **Geographic:** How does this issue differ between areas in Scotland? (Where should efforts be focussed?)
- **Demographic:** Who is most affected by this issue? (Who should be targeted with efforts?)

Data

- Hospital Activity by Speciality
- Hospital Activity and Patient Demographics
- Hospital Activity and Deprivation
- Hospitalisations due to Covid 19
- A&E attendances and performance data
- Quarterly Hospital Beds Information - Datasets - Scottish Health and Social Care Open Data - [nhs.scot](https://nhs.uk/scot)
- Delayed discharge data



The way to get started
is to quit talking and
begin doing.

Walt Disney

Project Timeline

1

FRIDAY

Familiarisation with the project brief, Trello set up, agreeing team rules for smooth progress and timeframe for the project, tasks division for the weekend.

2

MONDAY

Feedback the key findings from the assigned reports to the rest of the team, start the work on the wire frame and GitHub repo creation.

3

TUESDAY

Work on individual plots and create UI and server inputs for them.

4

WEDNESDAY

Put the individual plots together to create a dashboard. Testing, unifying and debugging

5

THURSDAY

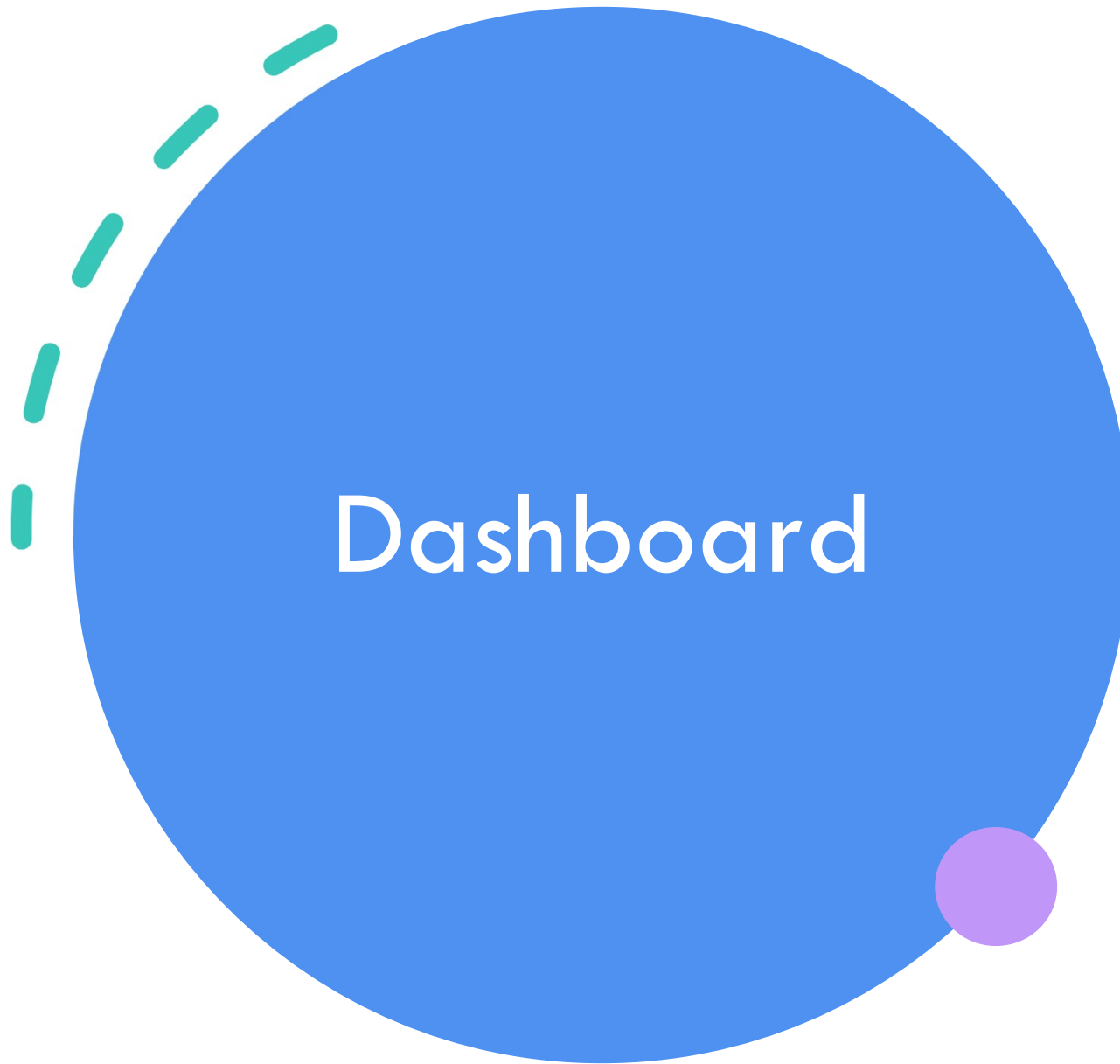
Project review, report writing, presentation prep and tidying up Git repo.

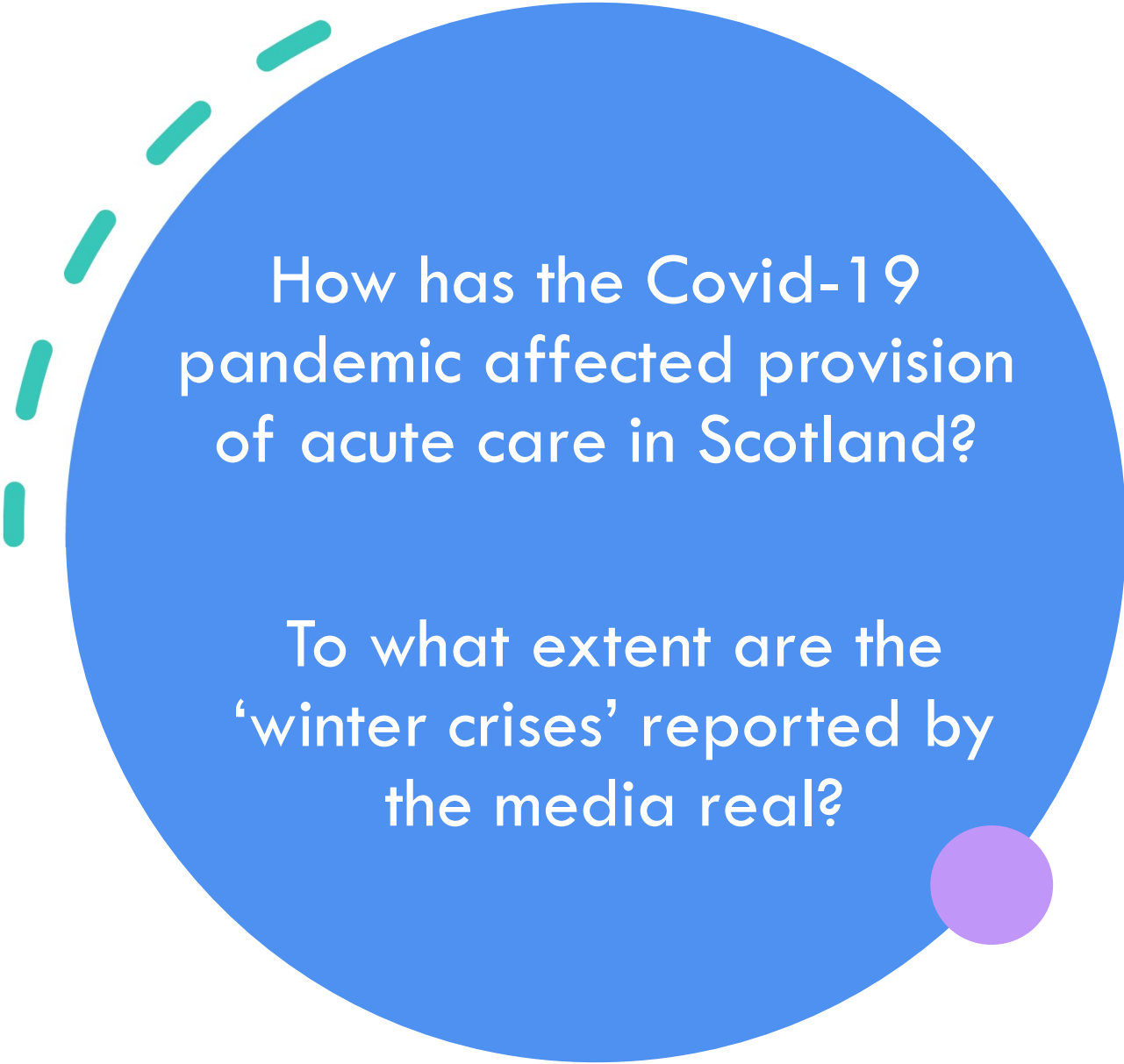


Key Performance Indicators

- Hospital Admissions
- Length of hospital stay
- Hospital beds availability







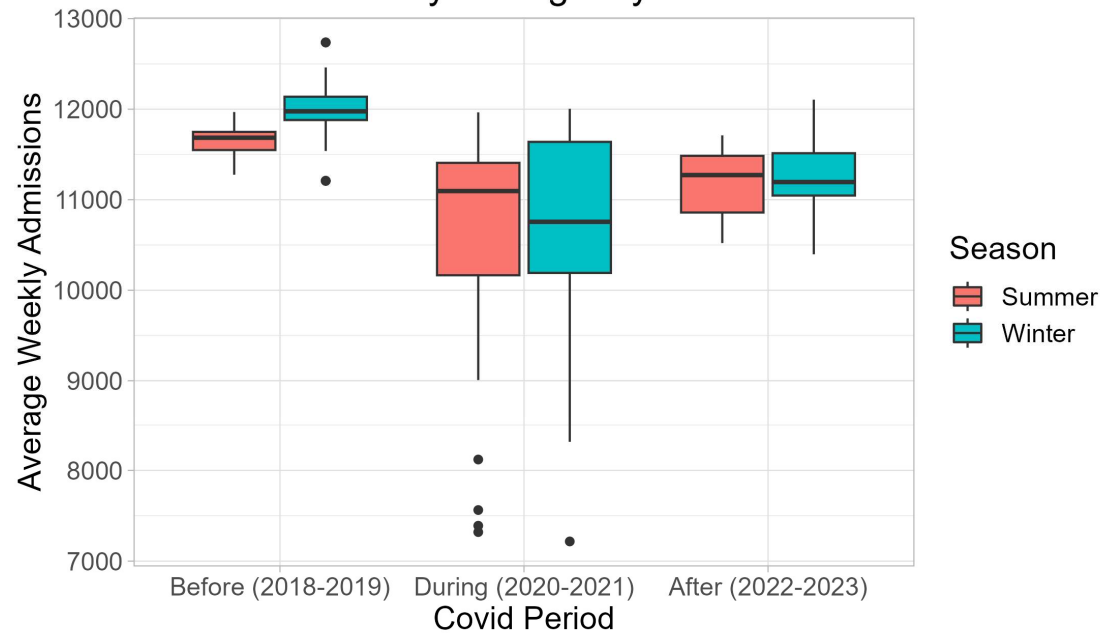
How has the Covid-19
pandemic affected provision
of acute care in Scotland?

To what extent are the
'winter crises' reported by
the media real?

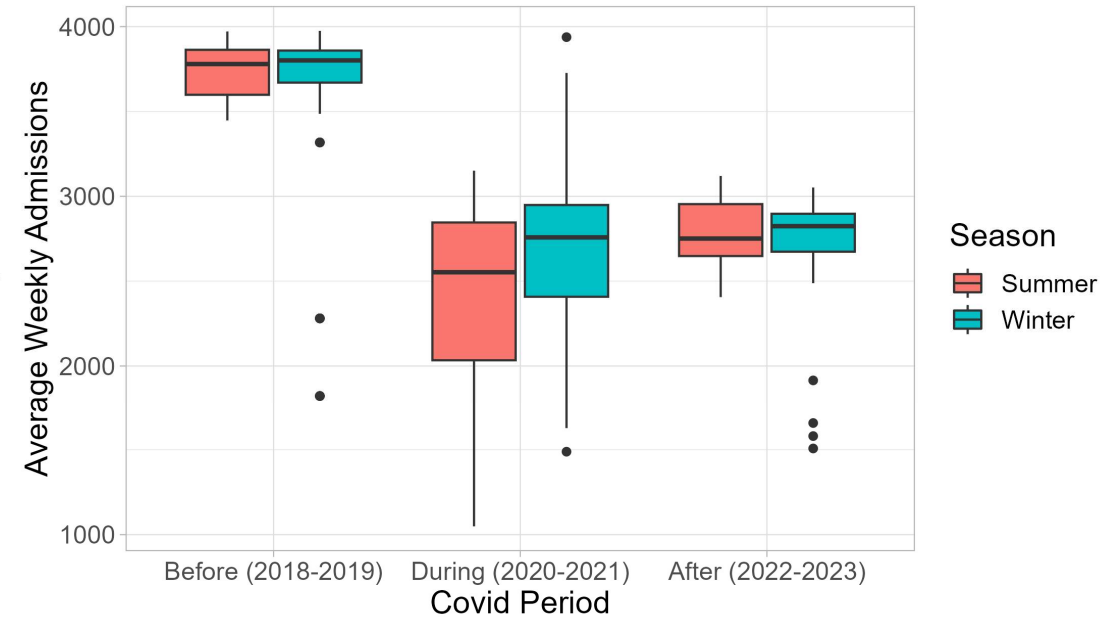
Number of Admissions



Number of Weekly Emergency Admissions in Scotland

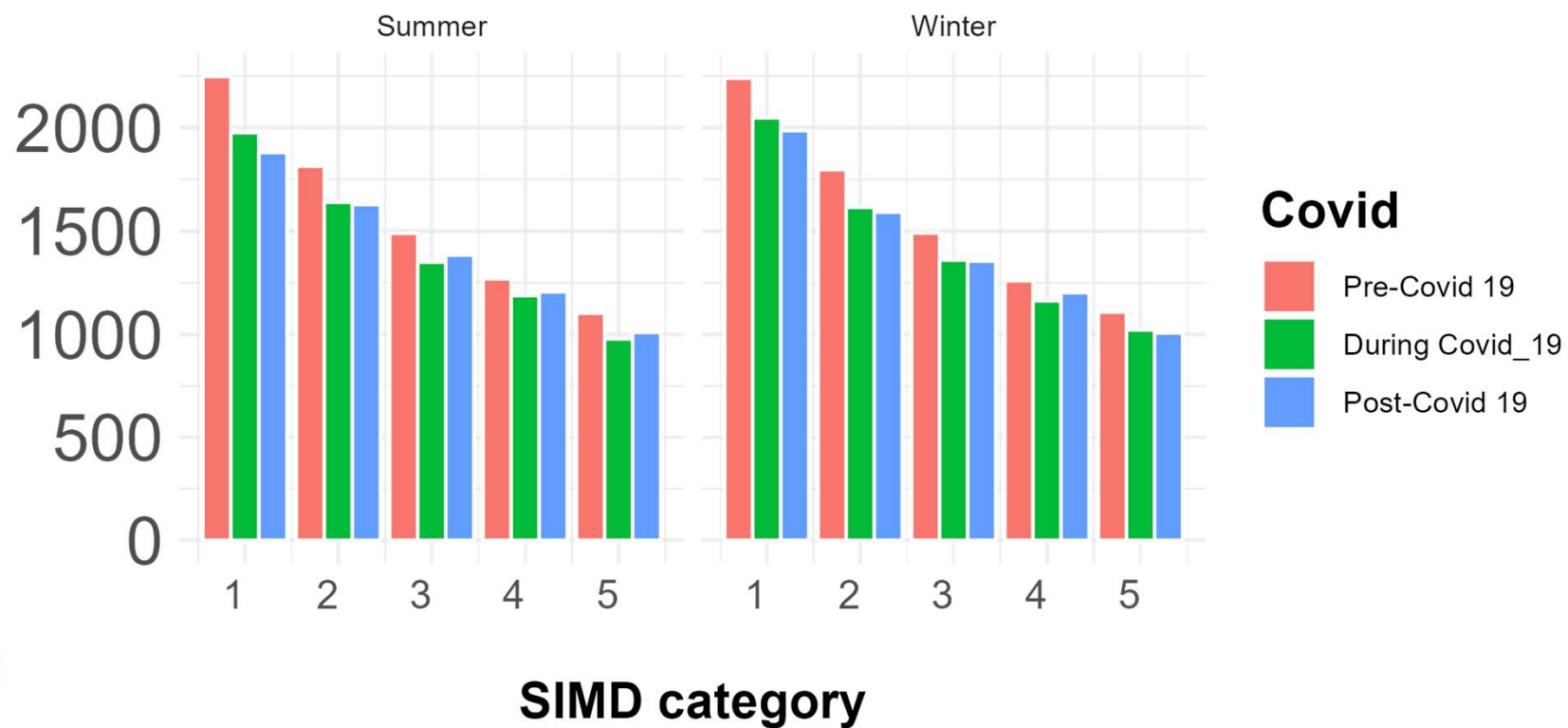


Number of Weekly Planned Admissions in Scotland



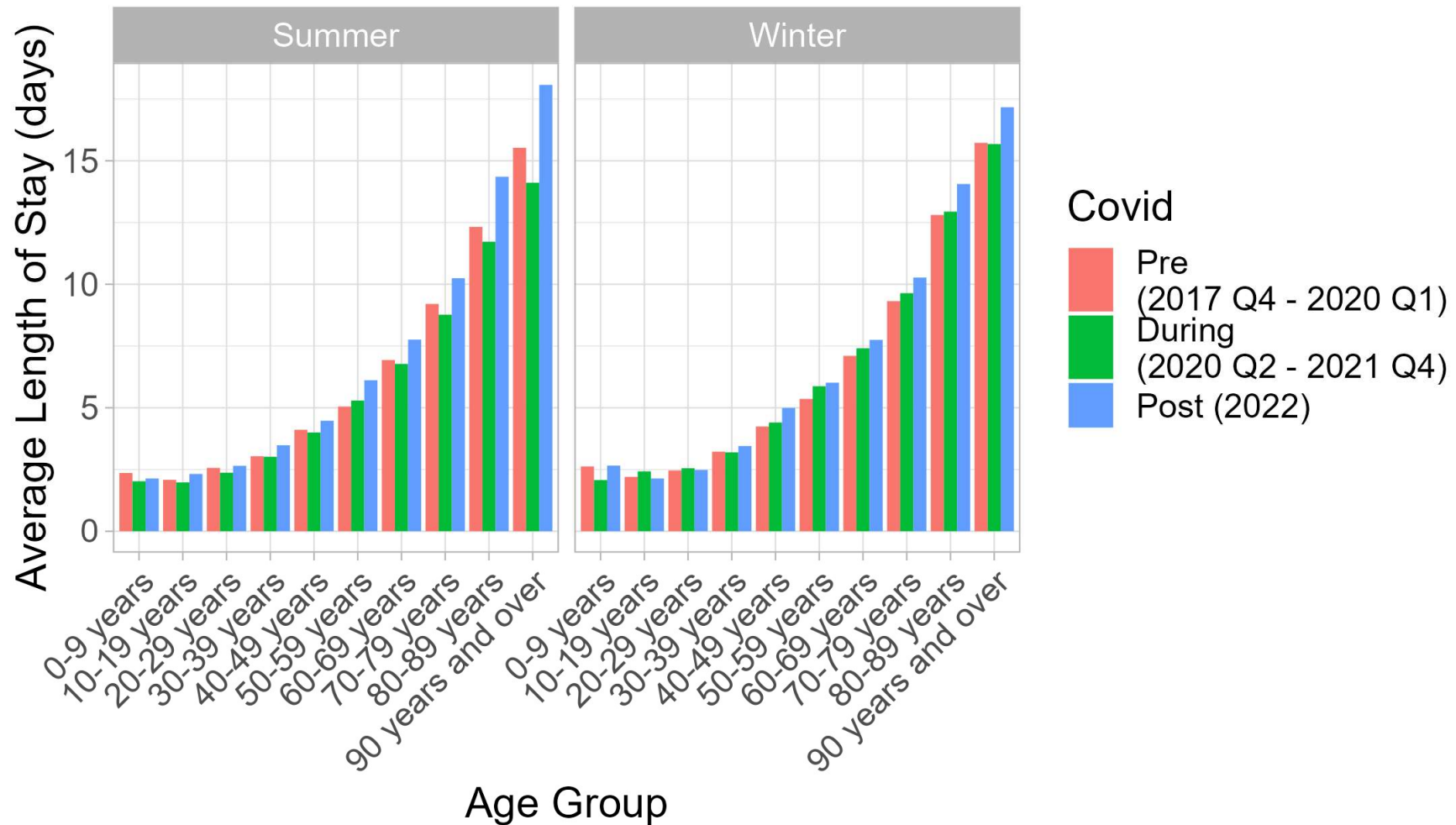
The Average Number of Stays for Emergency Inpatients per SIMD

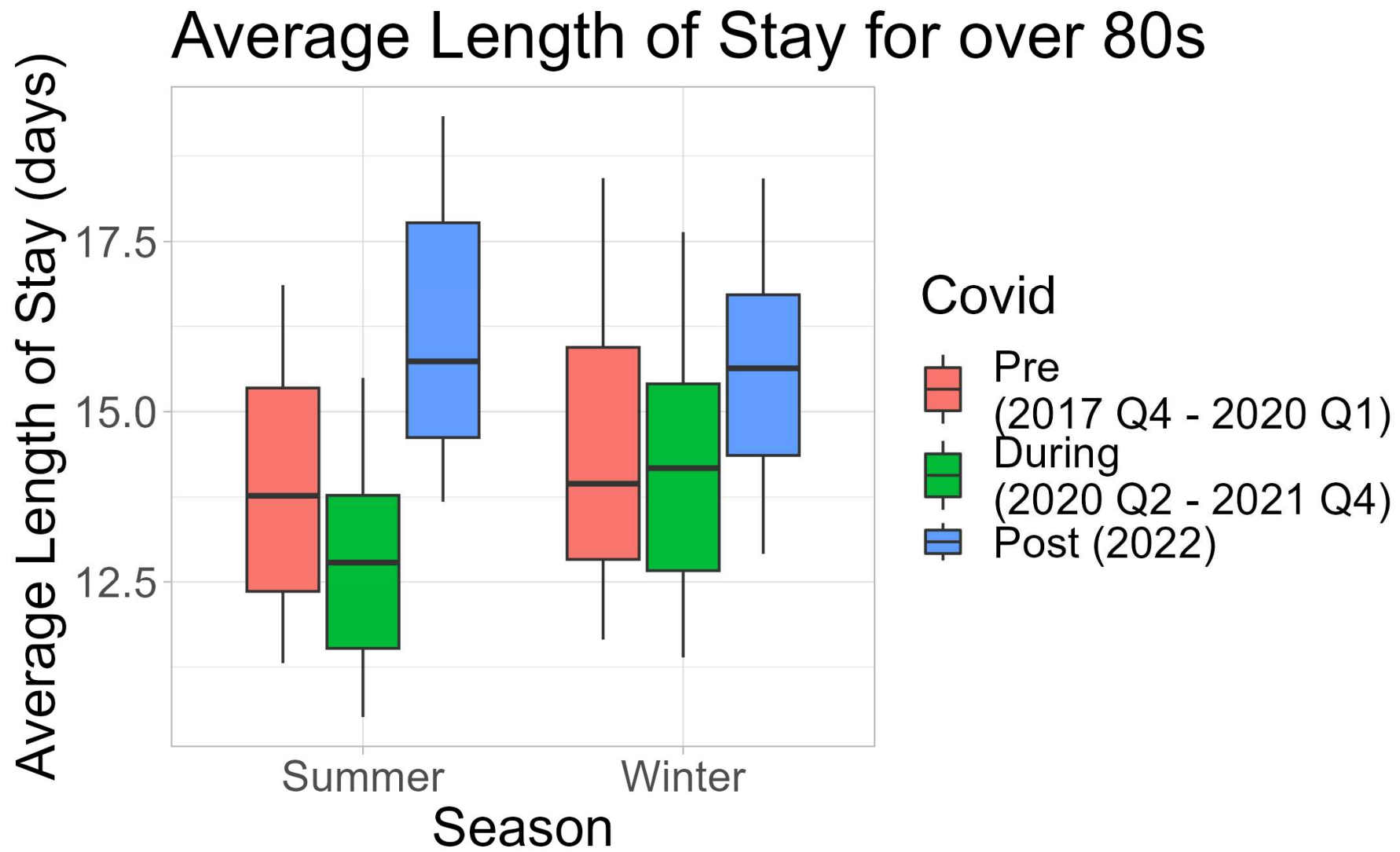
Average number of admissions



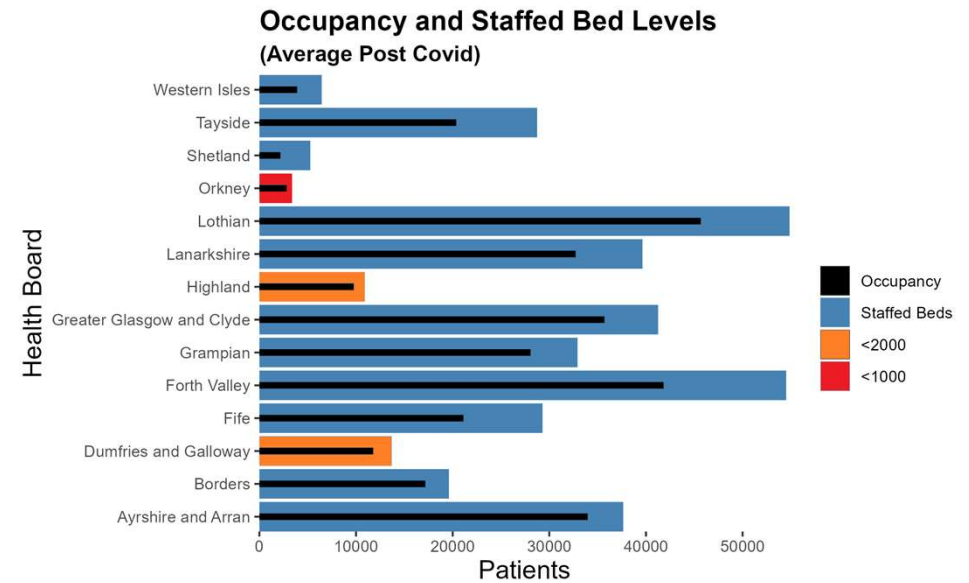
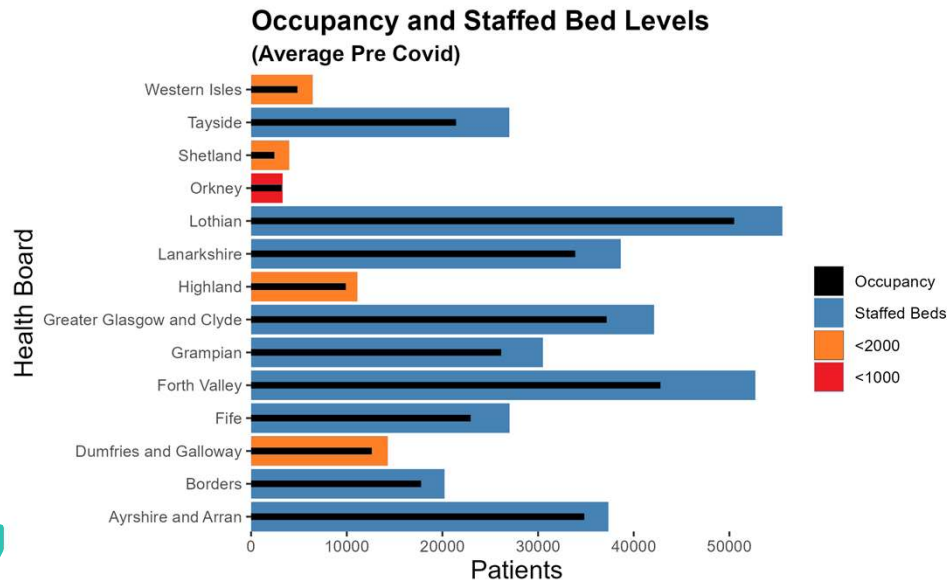
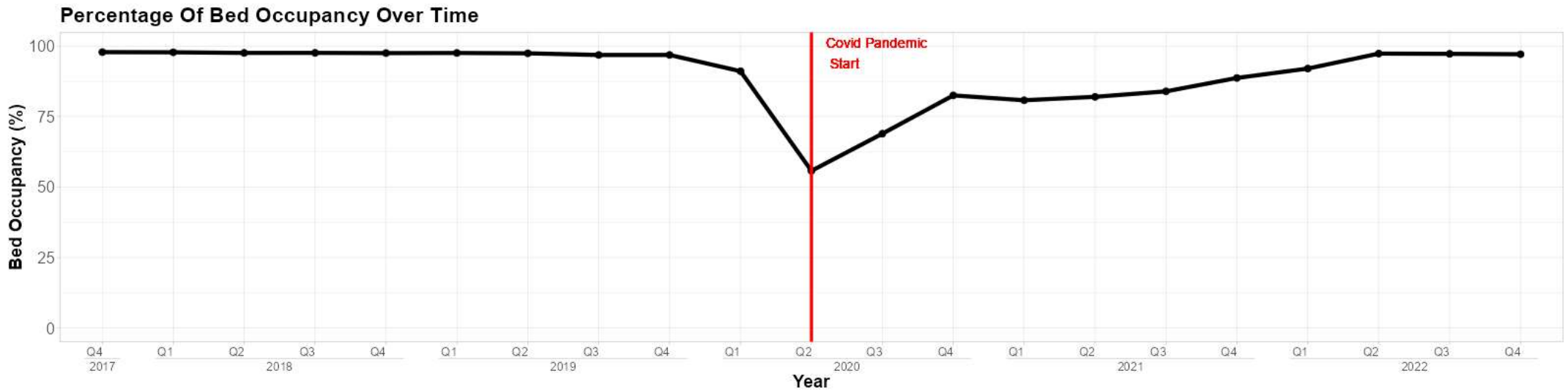
Length of Stay for Emergency Inpatients

Average Length of Stay by Age

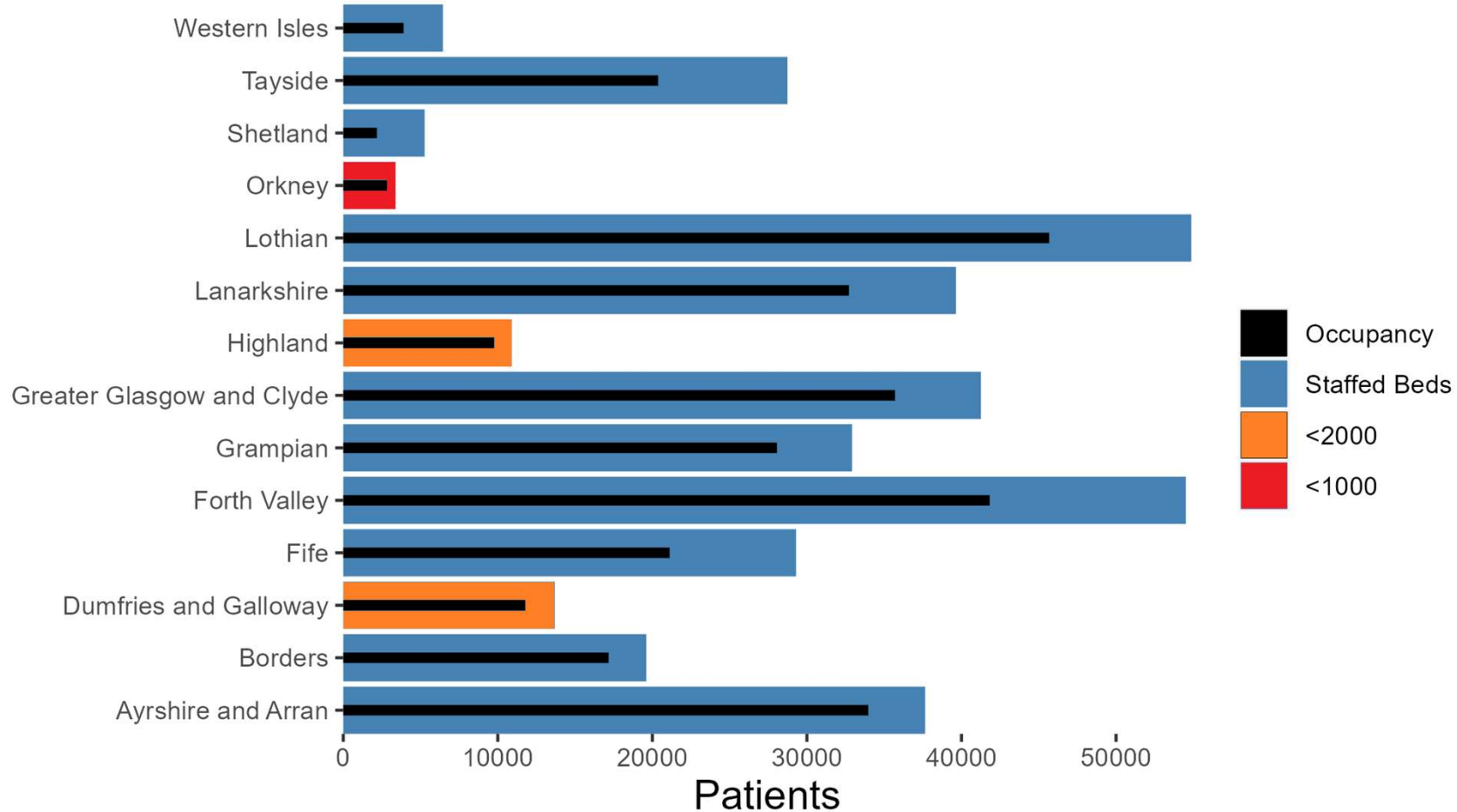




Bed Availability



Occupancy and Staffed Bed Levels (Average Post Covid)



What is Driving the Improvement?


Exceeding recruitment commitments

- April 2022 £4.5 million funding recruitment package.
- Recurring Scottish Government funding of £1 million targeted at overseas recruitment.
- Exceeded commitment to recruit additional health workers in key settings.

Improved staff conditions

- Invested £12 million to support well-being and further investment is planned.
- Invested in staff, through fair pay, increased training and upskilling opportunities.

Increased investment in training existing and new staff

- Introduced a number of new bursaries to widen access to careers in health and care.
 - Established the NHS Scotland Academy which provides a broad range training opportunities
 - Committed to increase medical undergraduates by 500 places
- 
- A decorative graphic consisting of three teal curved lines of varying lengths, arranged in a diagonal pattern from the bottom left towards the center.