The Strategy Unit.

# Changes in planned hospital admission rates since the covid19 lockdown

week 22 analysis

*June 2020*

NHS
Midlands and Lancashire
Commissioning Support Unit

# Introduction

This document describes the changes in levels of planned hospital admissions that have taken place since the covid19 lockdown on 23rd March 2020.

Complete data is available for all providers for the period up to the end of week 17 (28th April 2020).

More current, but provisional data is available for a subset of NHS providers. This has been used to estimate national activity patterns up to the end of week 22 (2nd June 2020).

This analysis excludes admissions to psychiatry and obstetric specialties.

*The estimates for weeks 18 to 22 assume that the changes in activity by specialty and age group across the full set of providers, are similar to those experienced by the subset of providers for which more recent data is available. This process may be particularly prone to error when estimating recent activity changes in independent sector providers since these are not represented in the subset.*

# Key messages

Planned hospital admissions reduced to one third of their usual level in the weeks following the lockdown and had recovered only marginally by the start of June.

Day case activity and elective admissions with overnight stay(s) fell to a quarter of their usual level, whereas regular day and night attendances reduced more modestly.

Reductions were more marked in surgical specialties (c. 90%), than in medical and paediatric specialties (c. 50%).

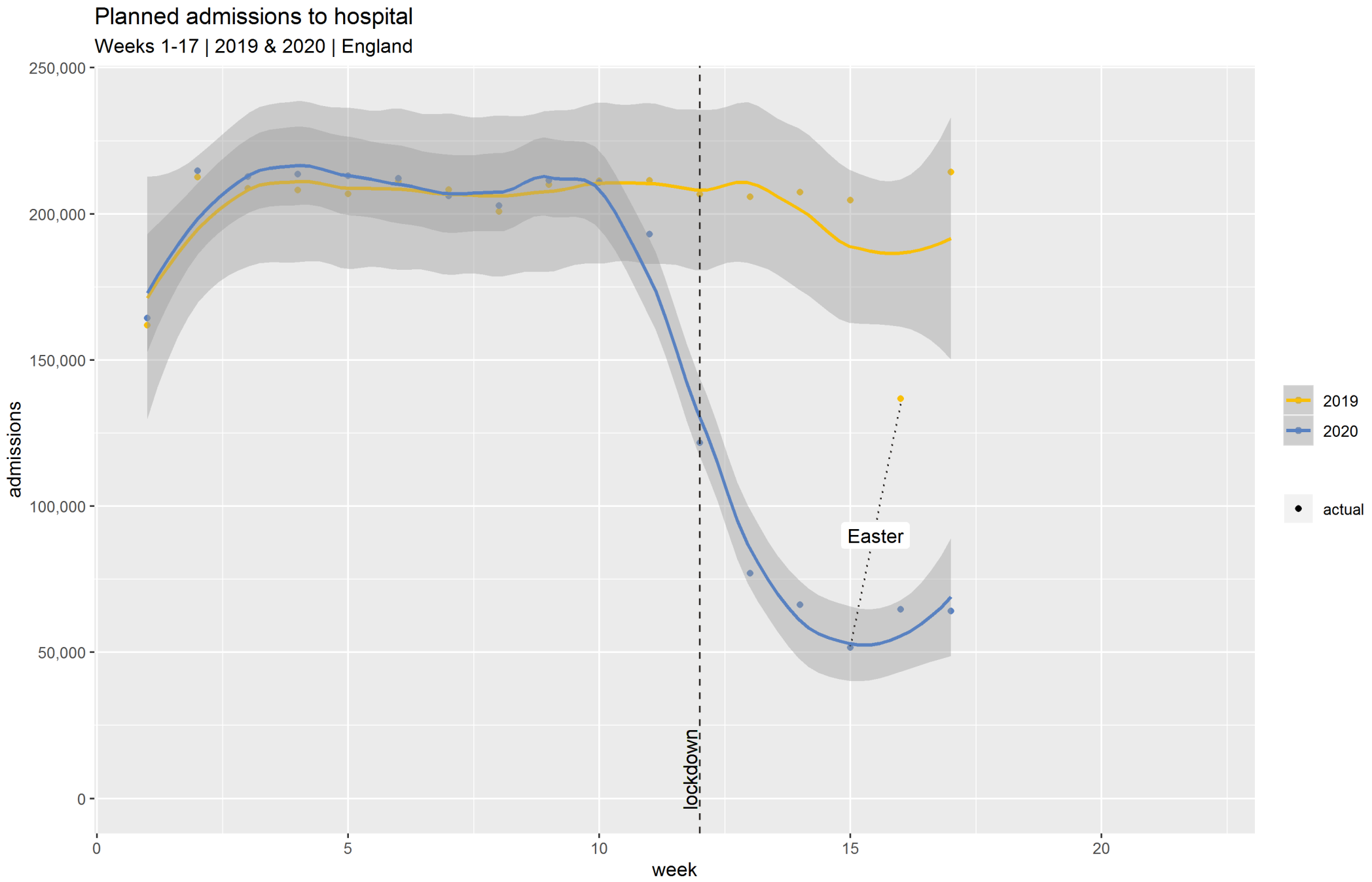
Reductions were also more marked amongst independent sector providers (c. 90%) than in NHS providers (c. 65%).

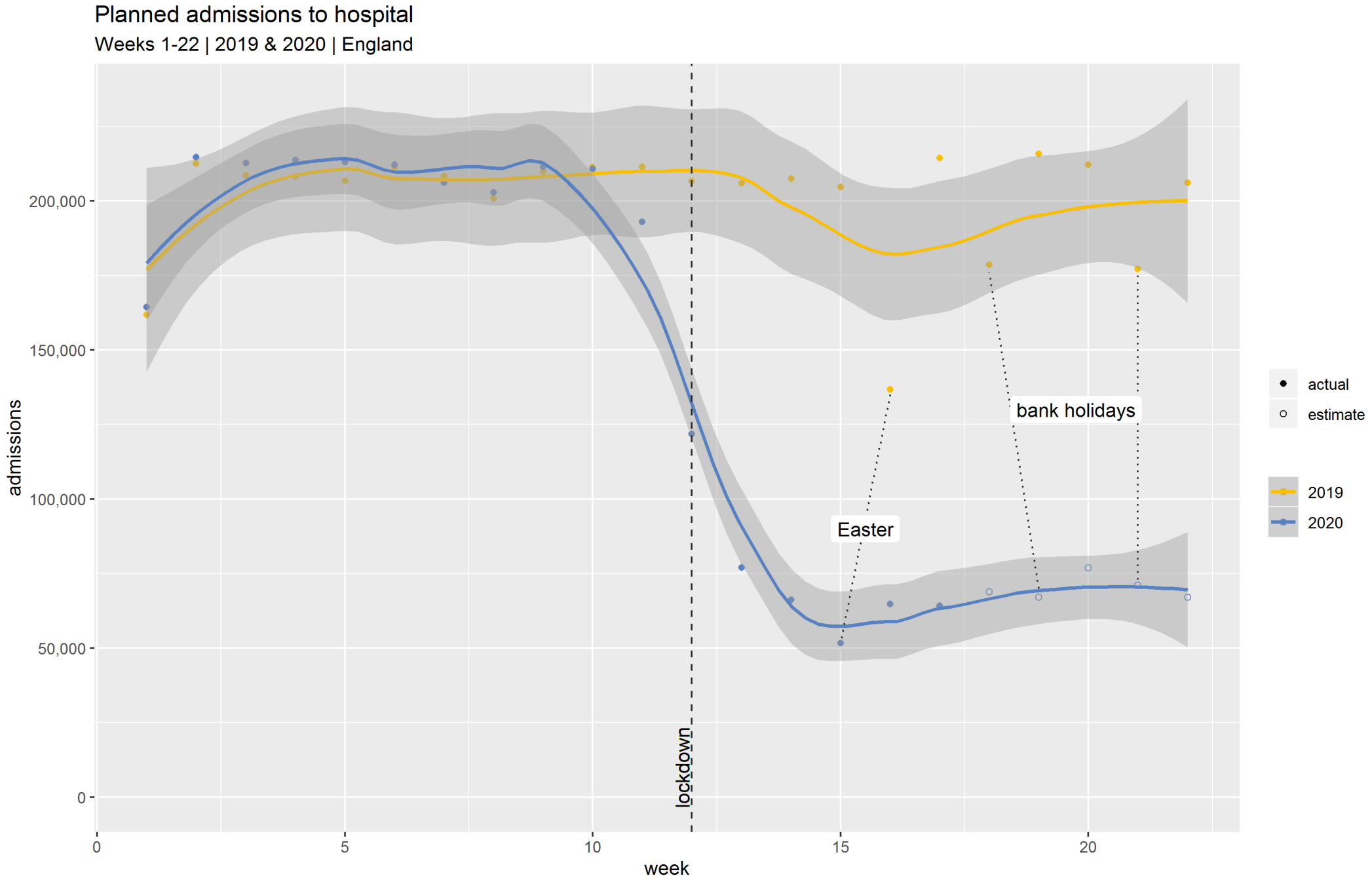
Reductions in planned admissions preceded the lockdown by 1 week.

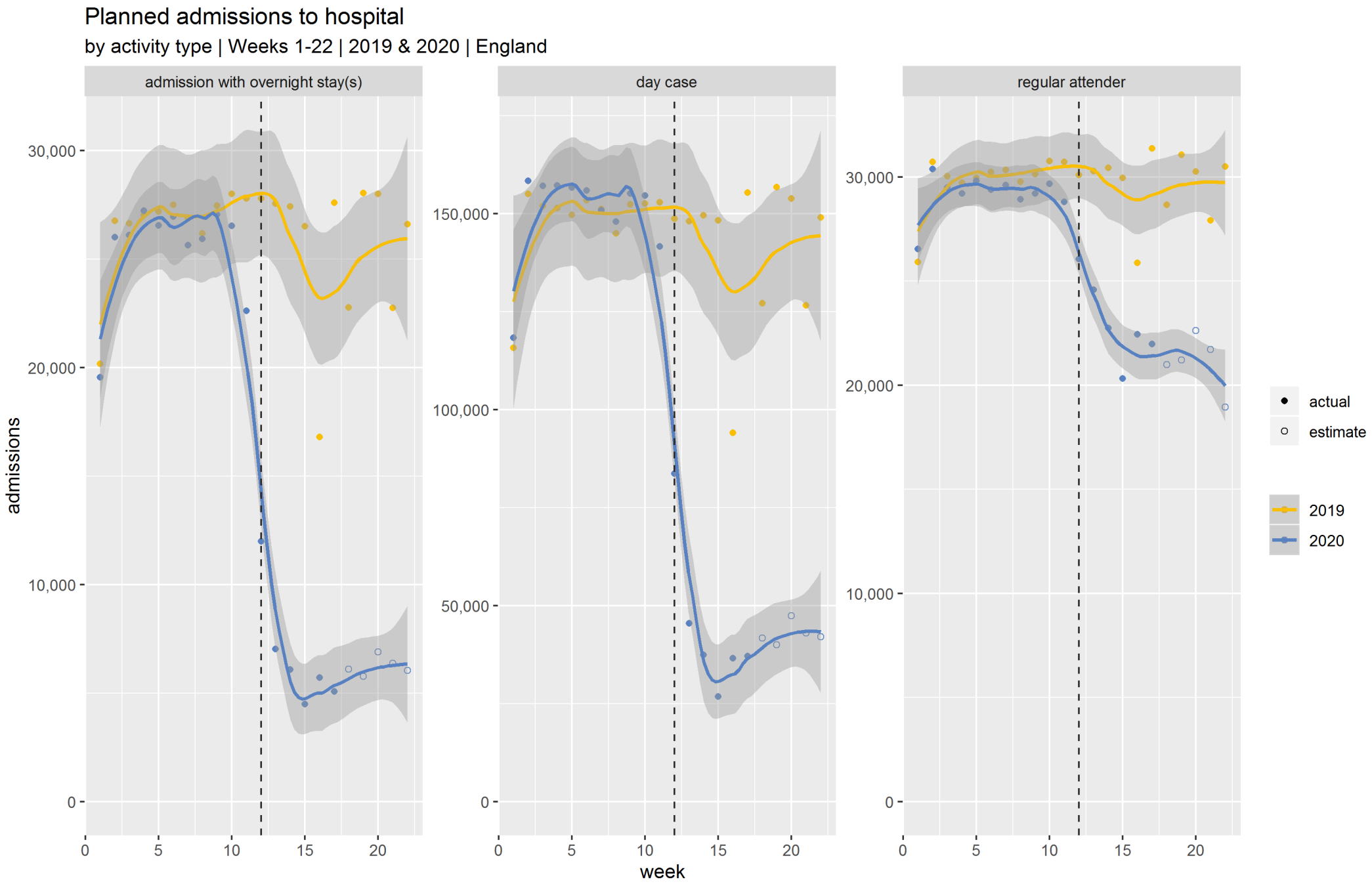
Amongst the medical specialties, reductions were largest in gastroenterology, gynaecology and respiratory medicine, and smallest in renal medicine, medical oncology and clinical haematology.

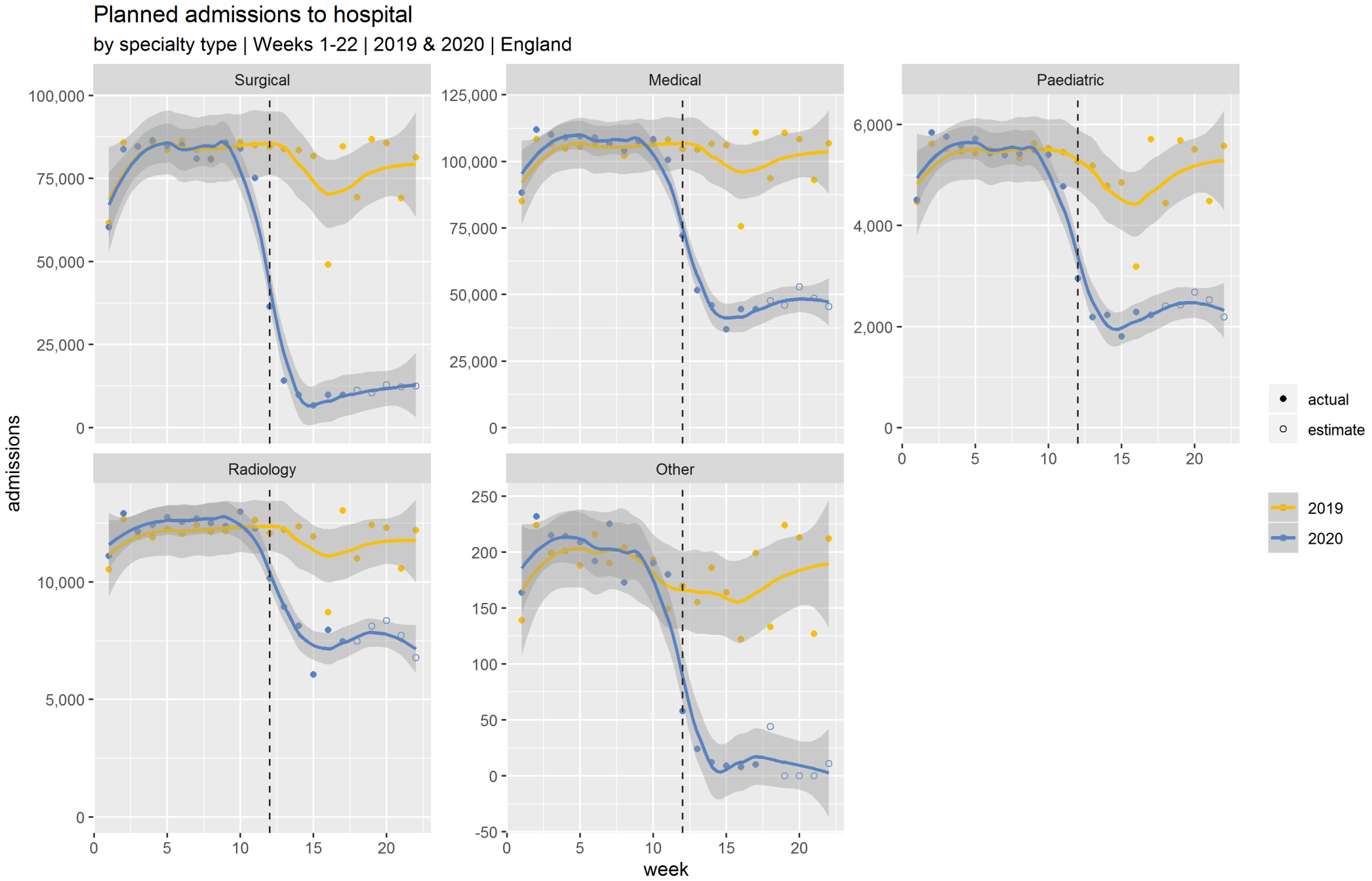
For surgical specialties, reductions were largest amongst young people and for pain management, oral surgery and spinal and orthopaedic surgery.  More modest reductions were seen in breast surgery and thoracic surgery.

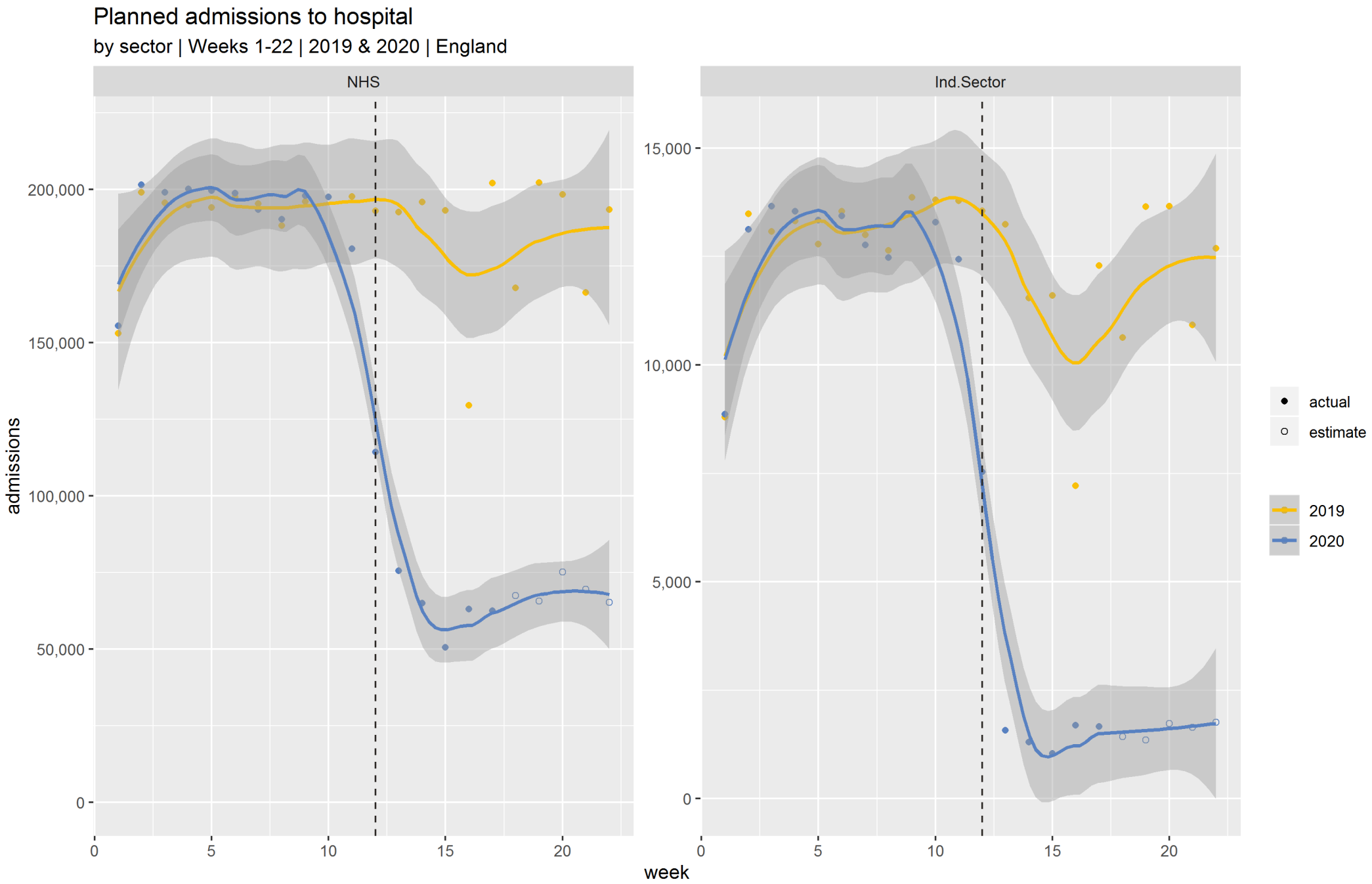
Whilst activity has changed little since the lockdown in most specialties, cardiac surgery admissions and medical admissions for children have recovered more rapidly.


Planned admissions to hospital
Weeks 1-17 | 2019 & 2020 | England
250,000
200,000
150,000
100,000
50,000
0
admissions
0
5
10
15
20
week
lockdown
Easter
2019
2020
actual


Planned admissions to hospital
Weeks 1-22 | 2019 & 2020 | England
admissions
200,000
150,000
100,000
50,000
0
0
5
10
15
20
week
lockdown
Easter
bank holidays
actual
estimate
2019
2020


Planned admissions to hospital
by activity type | Weeks 1-22 | 2019 & 2020 | England
admission with overnight stay(s)
day case
regular attender
admissions
week
30,000
20,000
10,000
0
150,000
100,000
50,000
0
5
10
15
20
actual
estimate
2019
2020

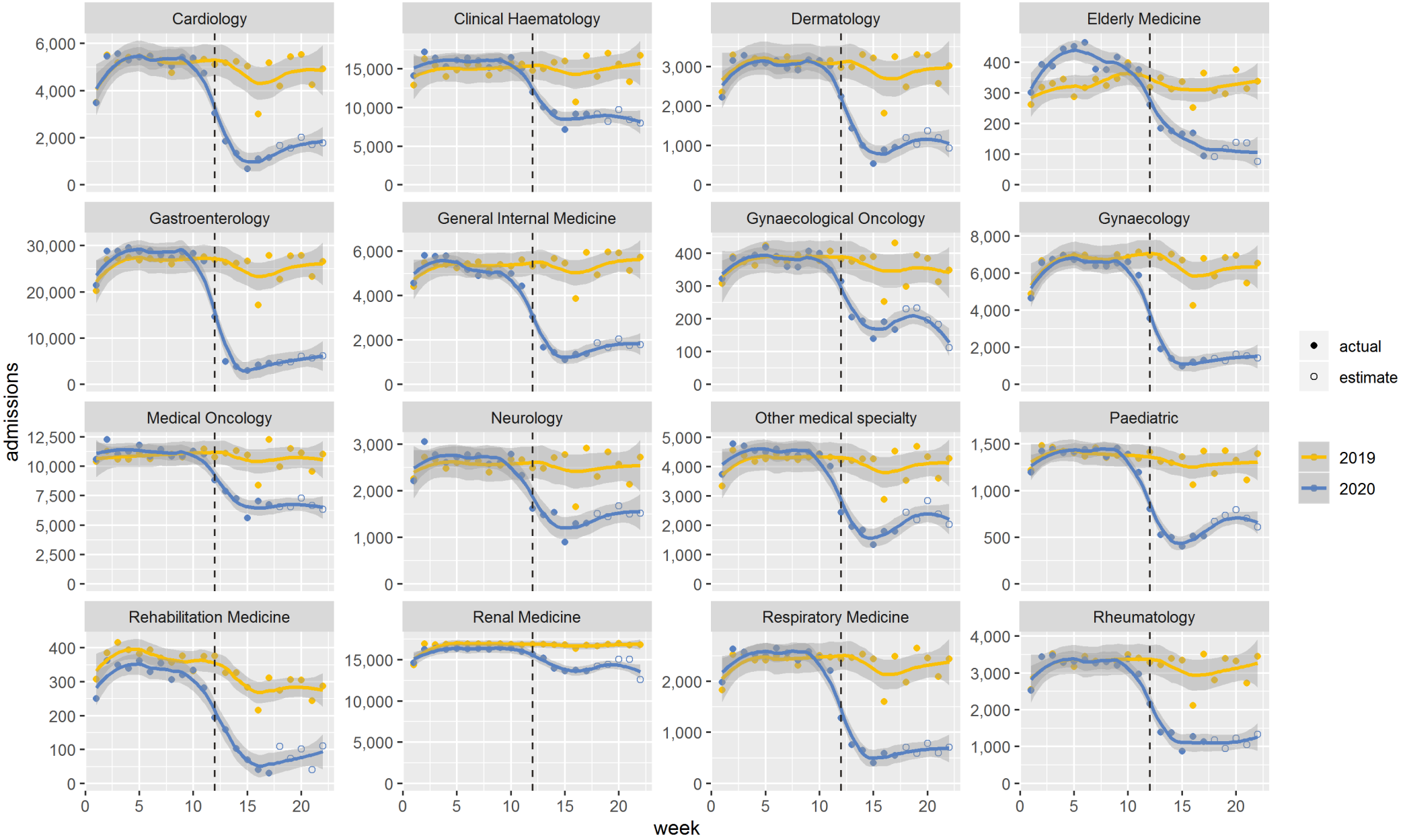

Planned admissions to hospital
by specialty type | Weeks 1-22 | 2019 & 2020 | England
Surgical
Medical
Paediatric
Radiology
Other
admissions
week
actual
estimate
2019
2020

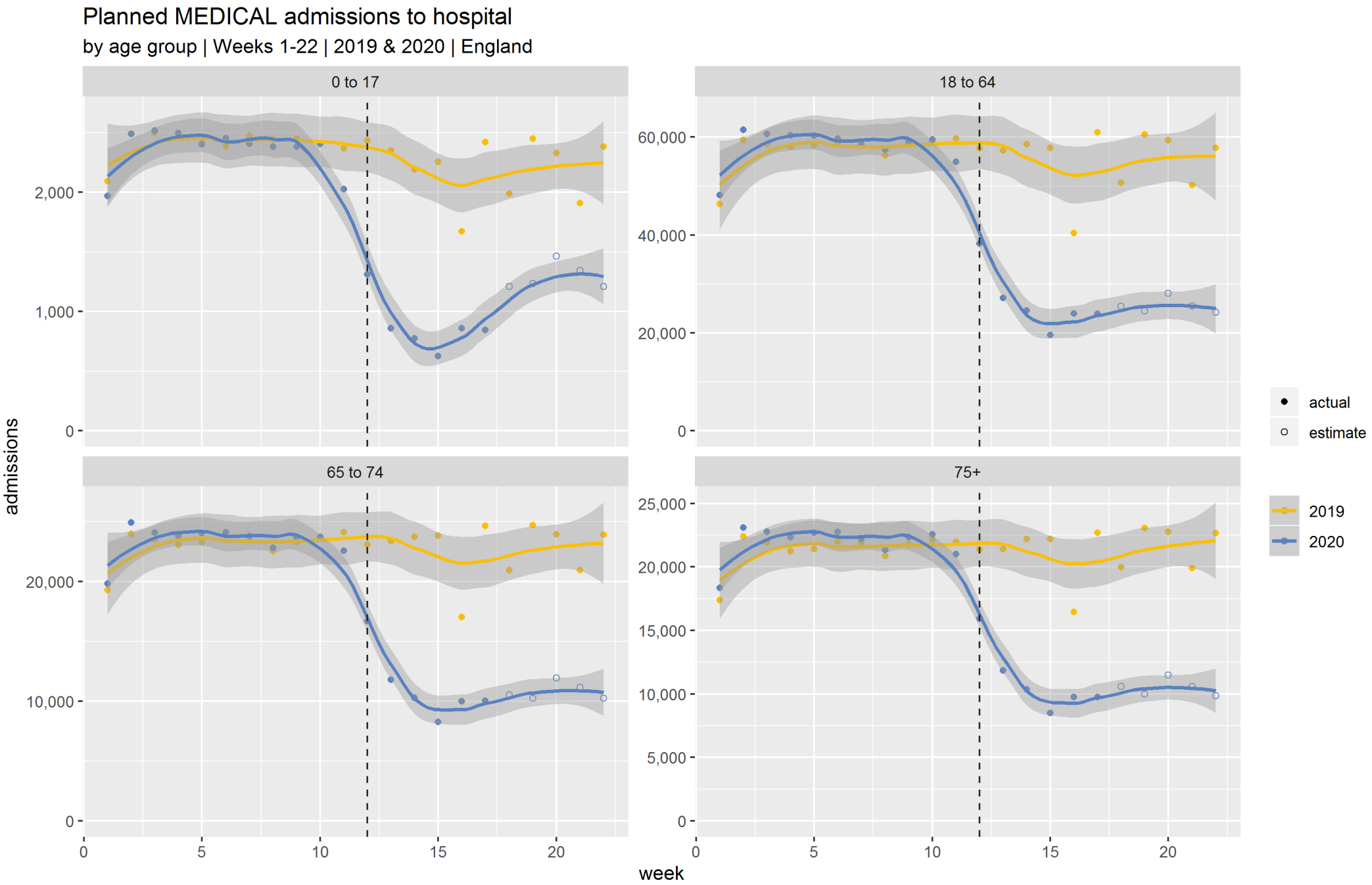

Planned admissions to hospital
by sector | Weeks 1-22 | 2019 & 2020 | England
NHS
Ind.Sector
admissions
week
200,000
150,000
100,000
50,000
0
15,000
10,000
5,000
0
5
10
15
20
actual
estimate
2019
2020

# Planned medical admissions

# Planned MEDICAL admissions to hospital

by specialty | Weeks 1-22 | 2019 & 2020 | England

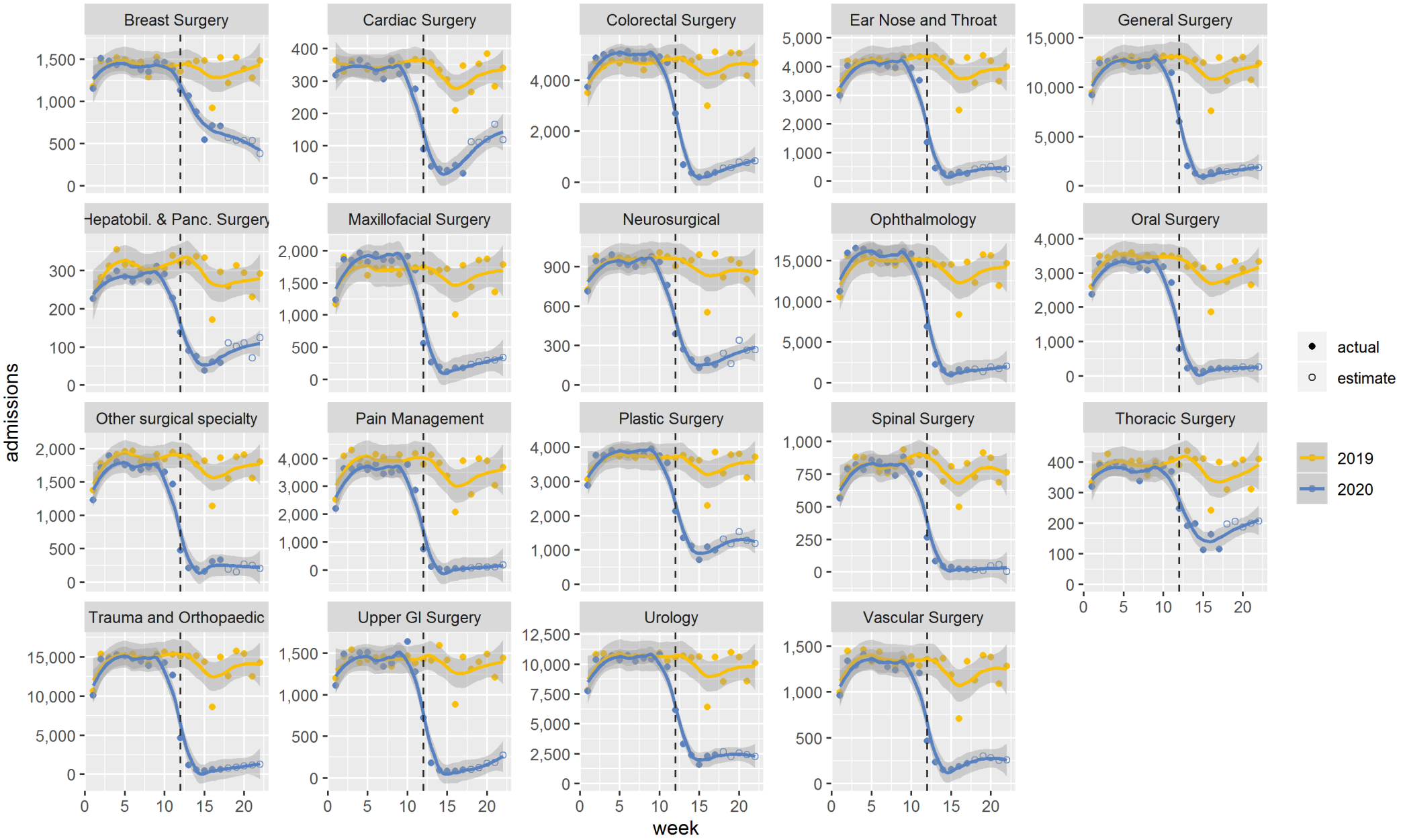


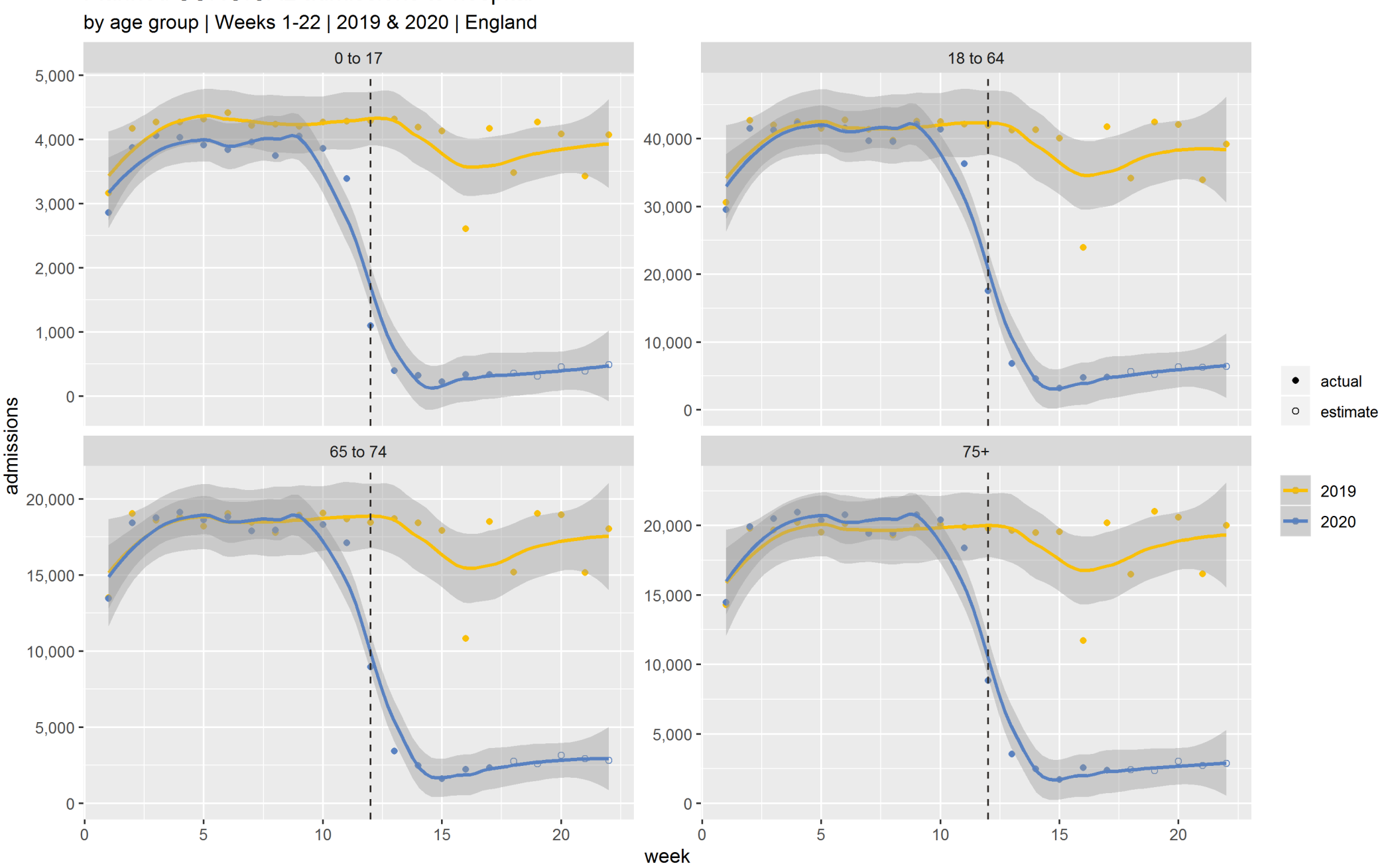

Planned MEDICAL admissions to hospital
by age group | Weeks 1-22 | 2019 & 2020 | England
0 to 17
18 to 64
65 to 74
75+
admissions
week
actual
estimate
2019
2020

# Planned surgical admissions

# Planned SURGICAL admissions to hospital

by specialty | Weeks 1-22 | 2019 & 2020 | England

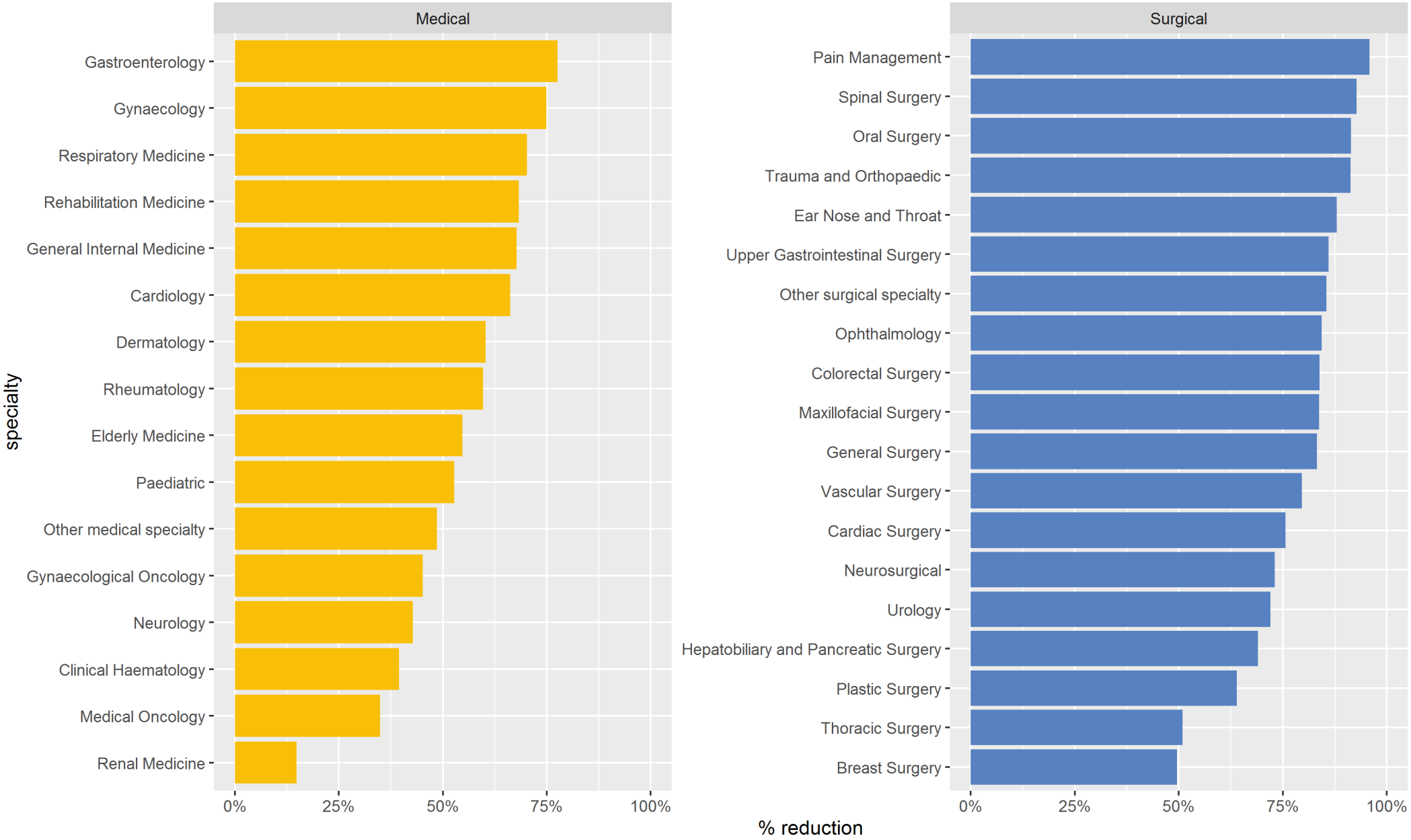


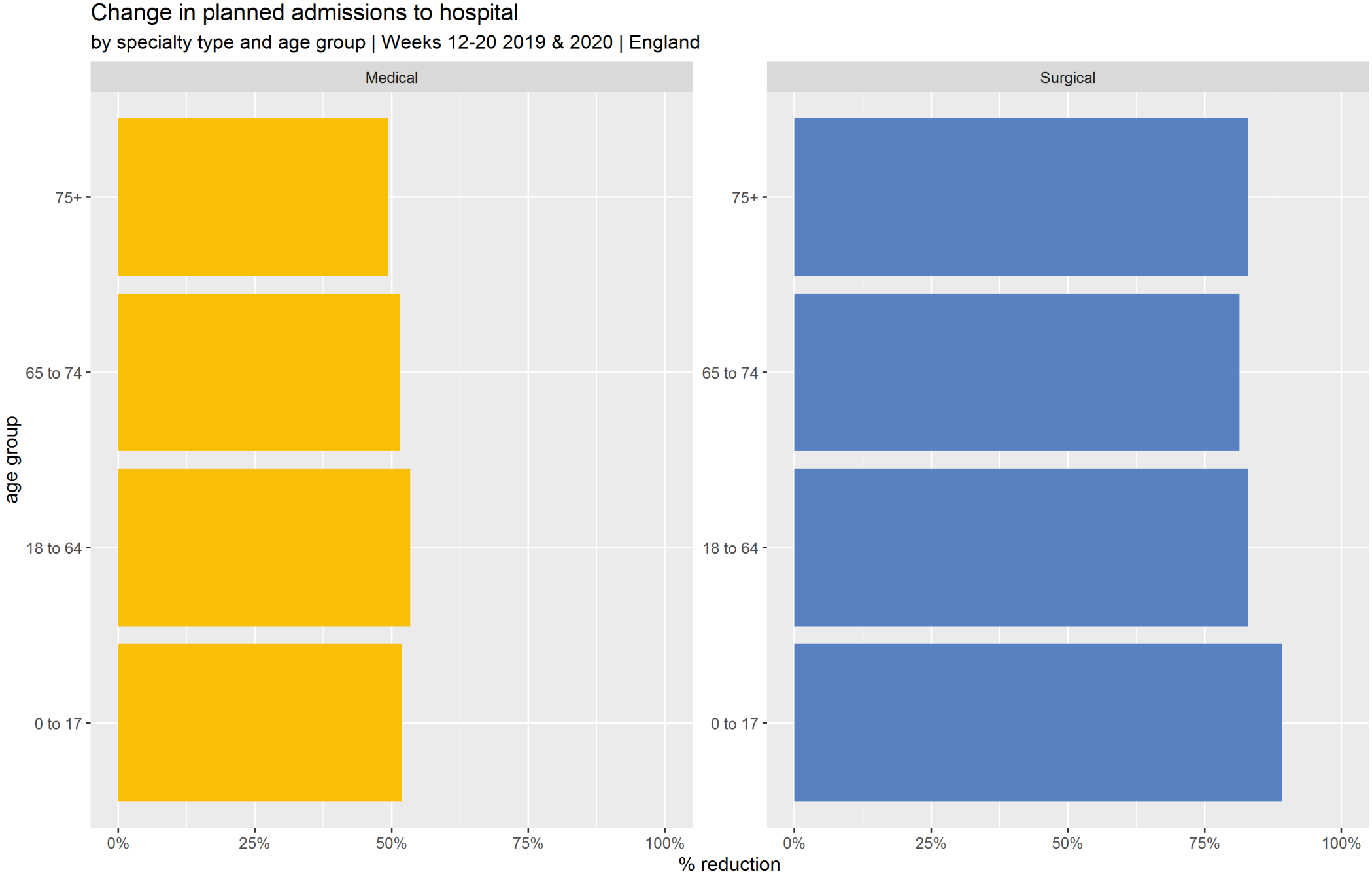

Planned SURGICAL admissions to hospital
by age group | Weeks 1-22 | 2019 & 2020 | England
0 to 17
18 to 64
65 to 74
75+
admissions
week
actual
estimate
2019
2020

# Relative changes

## Change in planned admissions to hospital

by specialty type and specialty | Weeks 12-20 2019 & 2020 | England




Change in planned admissions to hospital
by specialty type and age group | Weeks 12-20 2019 & 2020 | England
Medical
Surgical
75+
65 to 74
18 to 64
0 to 17
age group
0%
25%
50%
75%
100%
% reduction

# Notes

# The data

The data used in this analysis is drawn from the SUS tables, supplied by the National Commissioning Data Repository (NCDR).

Data up to the end of week 17 is taken from the SUSPlus_Live tables and provides a complete picture of planned hospital admission activity up to this date.

More up to date data for 35 NHS providers is taken from the SUS_Daily tables.

National estimates of activity in weeks 18-22 are derived by applying the growth rates by age group (0-17, 18-64, 65-74 and 75+) and treatment specialty that were observed in these 35 providers, to all other providers.

For questions relating to this analysis, please contact:

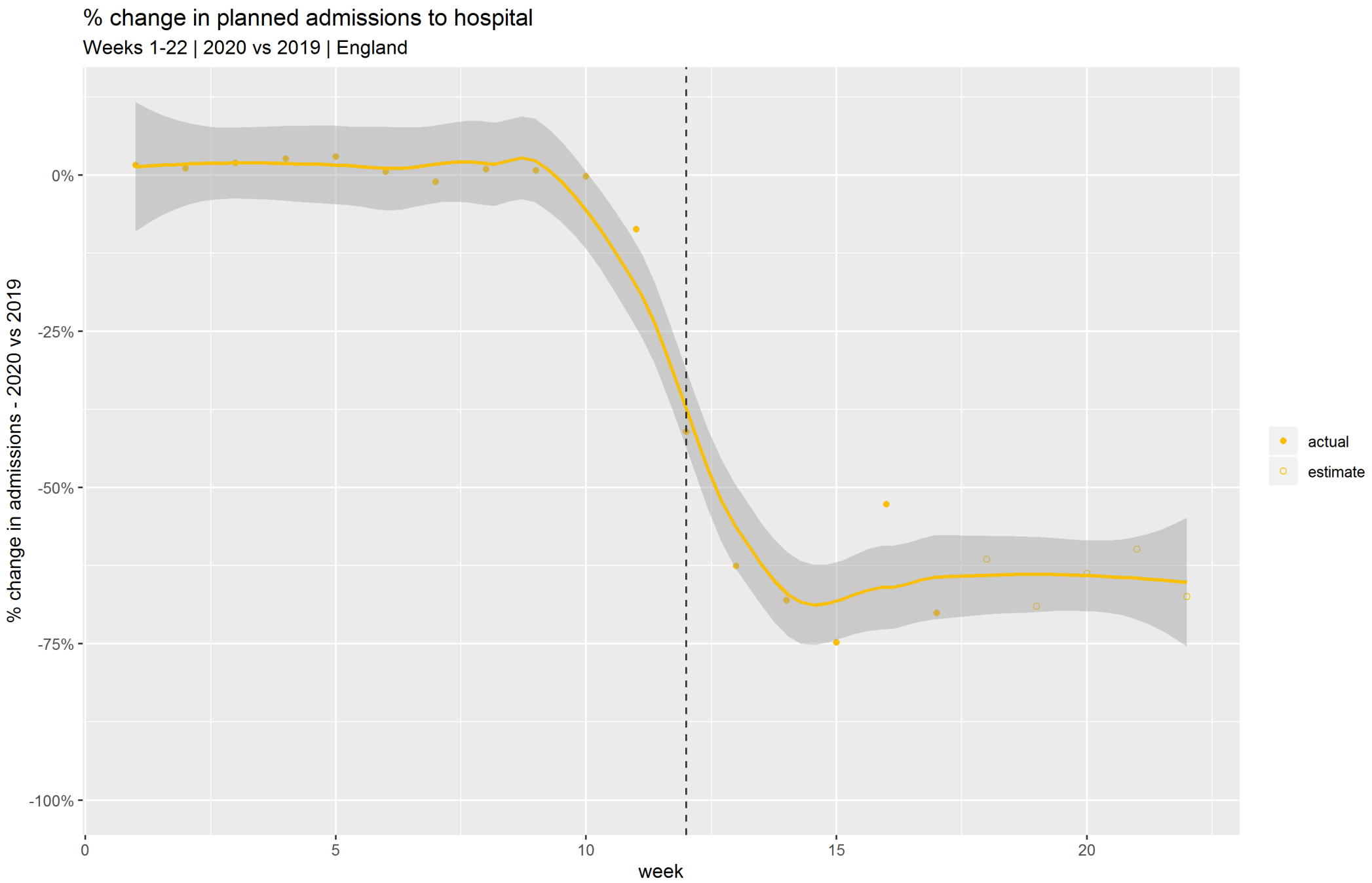
Steven Wyatt
Head of Analytics, The Strategy Unit
swyatt@nhs.net

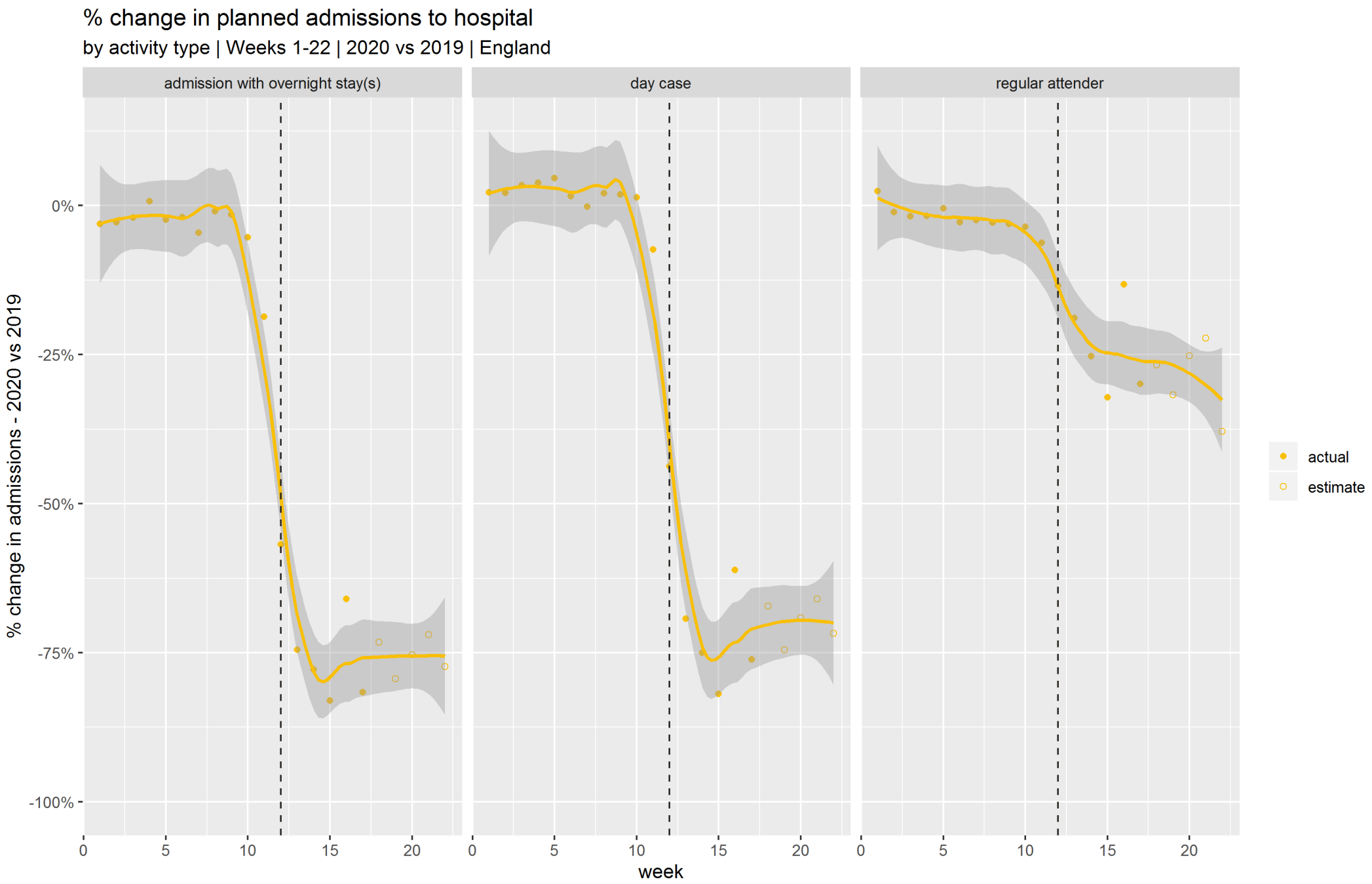
*Leading research, analysis and change from within the NHS.*

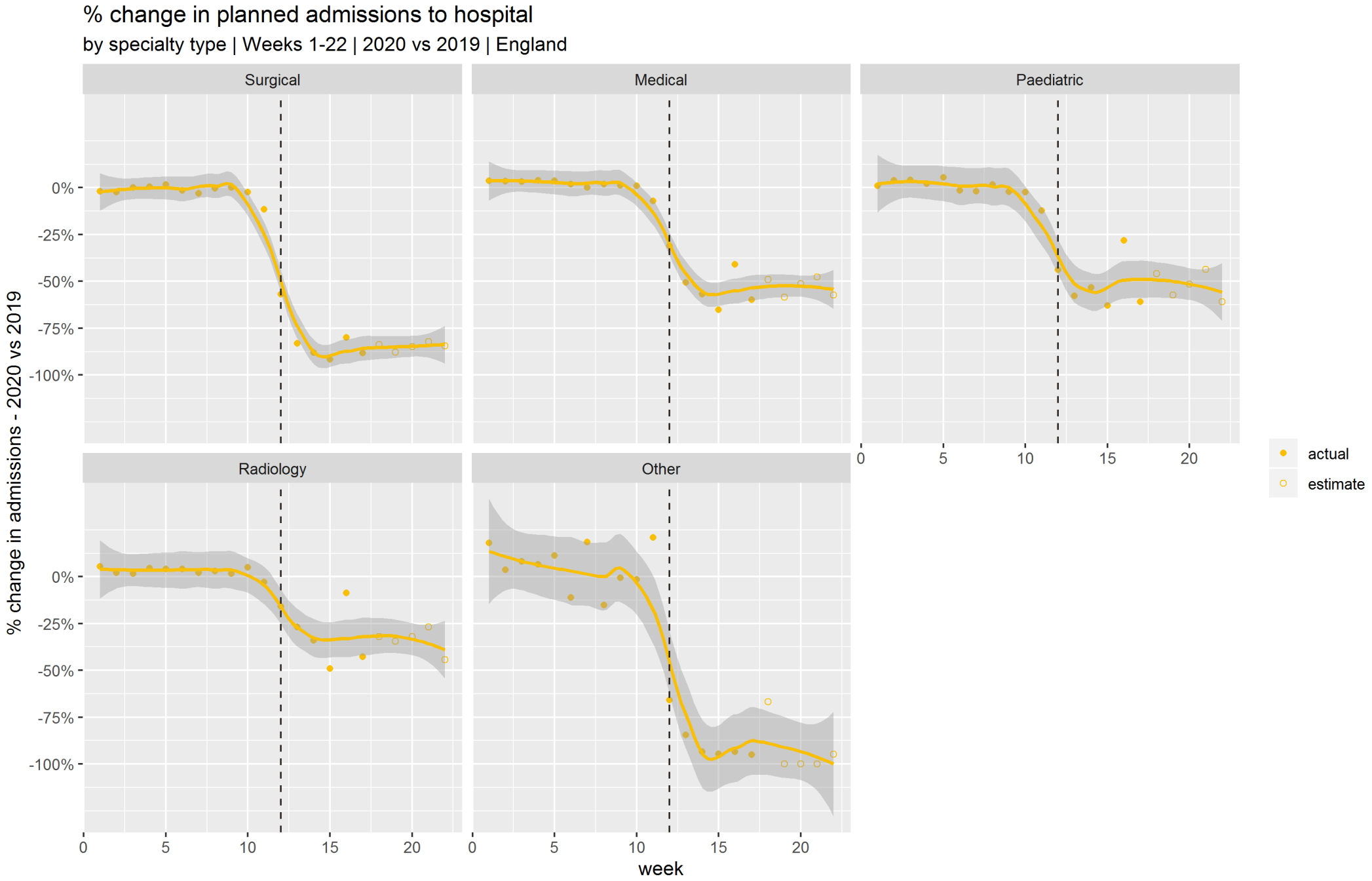
W: strategyunit.co.uk

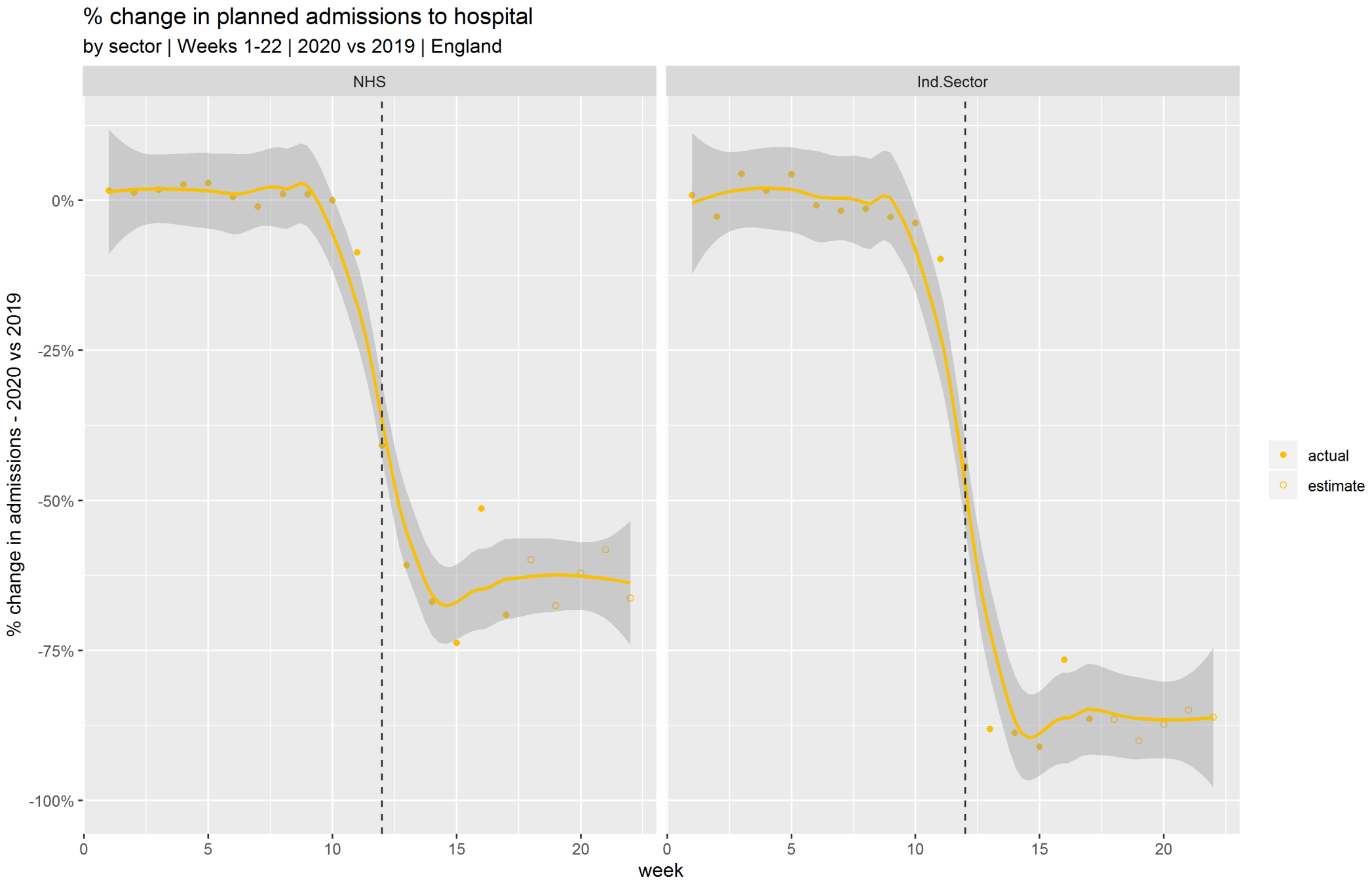
Twitter: @Strategy_Unit

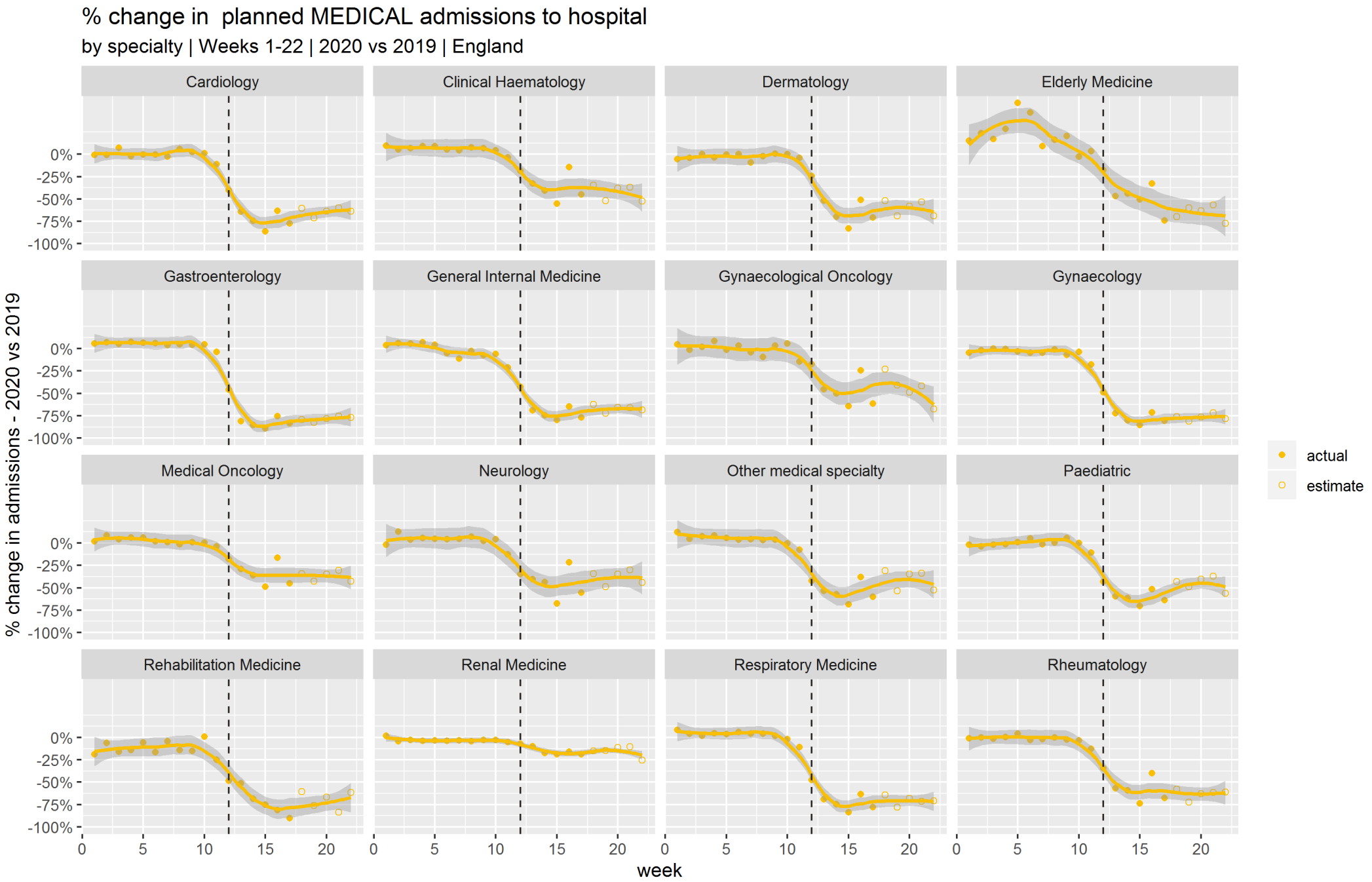
# Additional charts

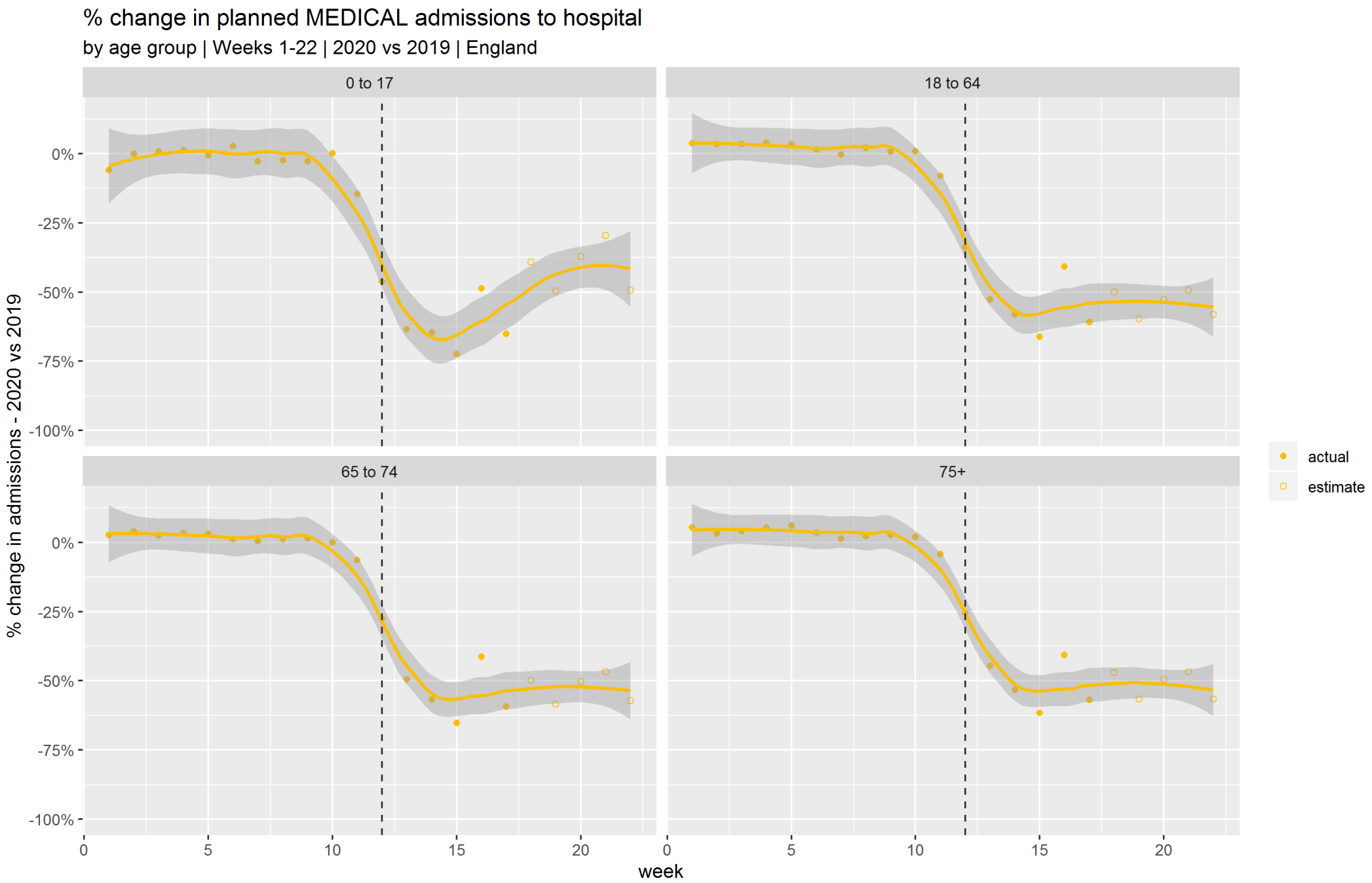

% change in planned admissions to hospital
Weeks 1-22 | 2020 vs 2019 | England
% change in admissions - 2020 vs 2019
0%
-25%
-50%
-75%
-100%
0
5
10
15
20
week
actual
estimate

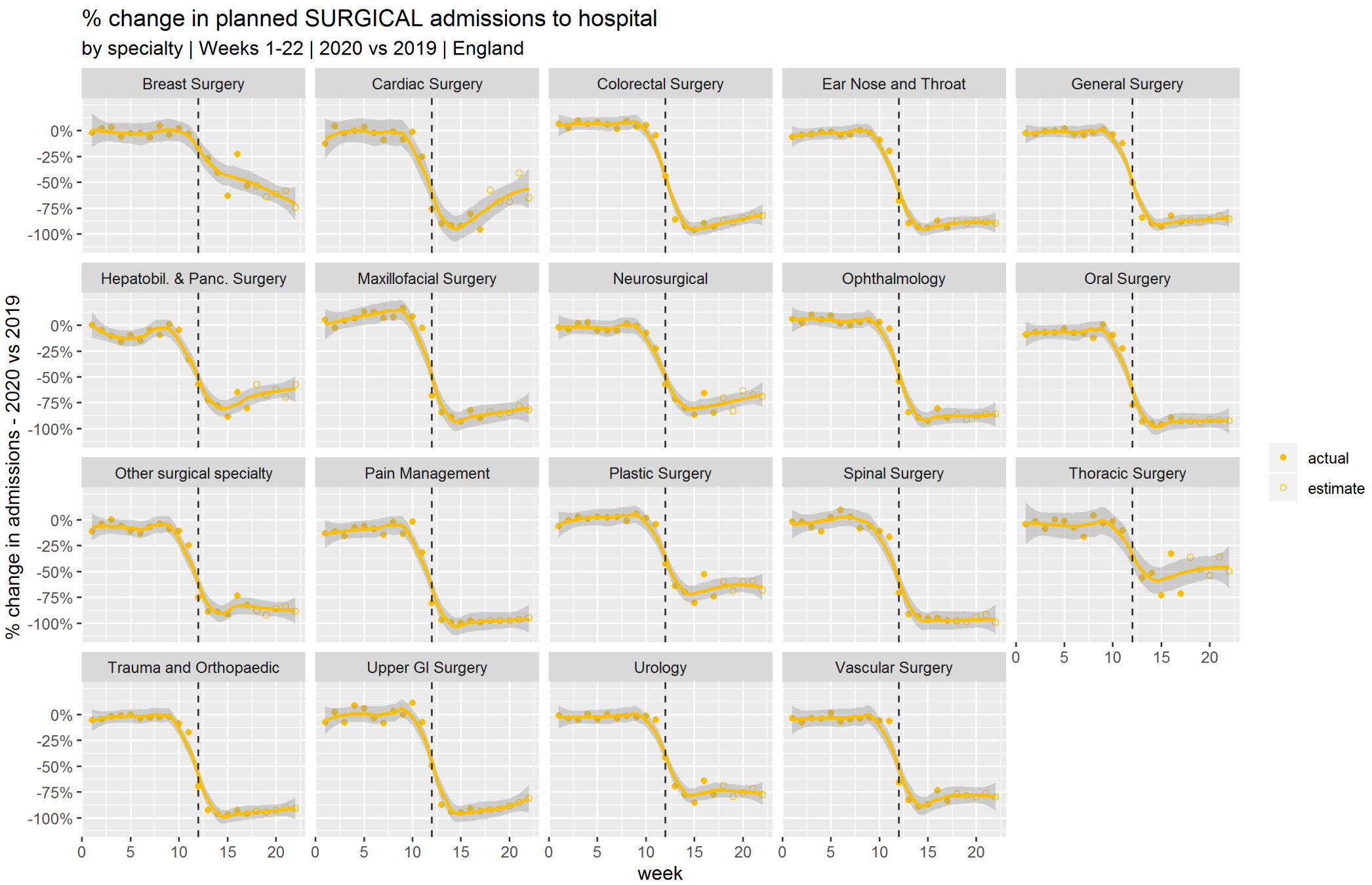

% change in planned admissions to hospital
by activity type | Weeks 1-22 | 2020 vs 2019 | England
admission with overnight stay(s)
day case
regular attender
0%
-25%
-50%
-75%
-100%
% change in admissions - 2020 vs 2019
0
5
10
15
20
week
actual
estimate

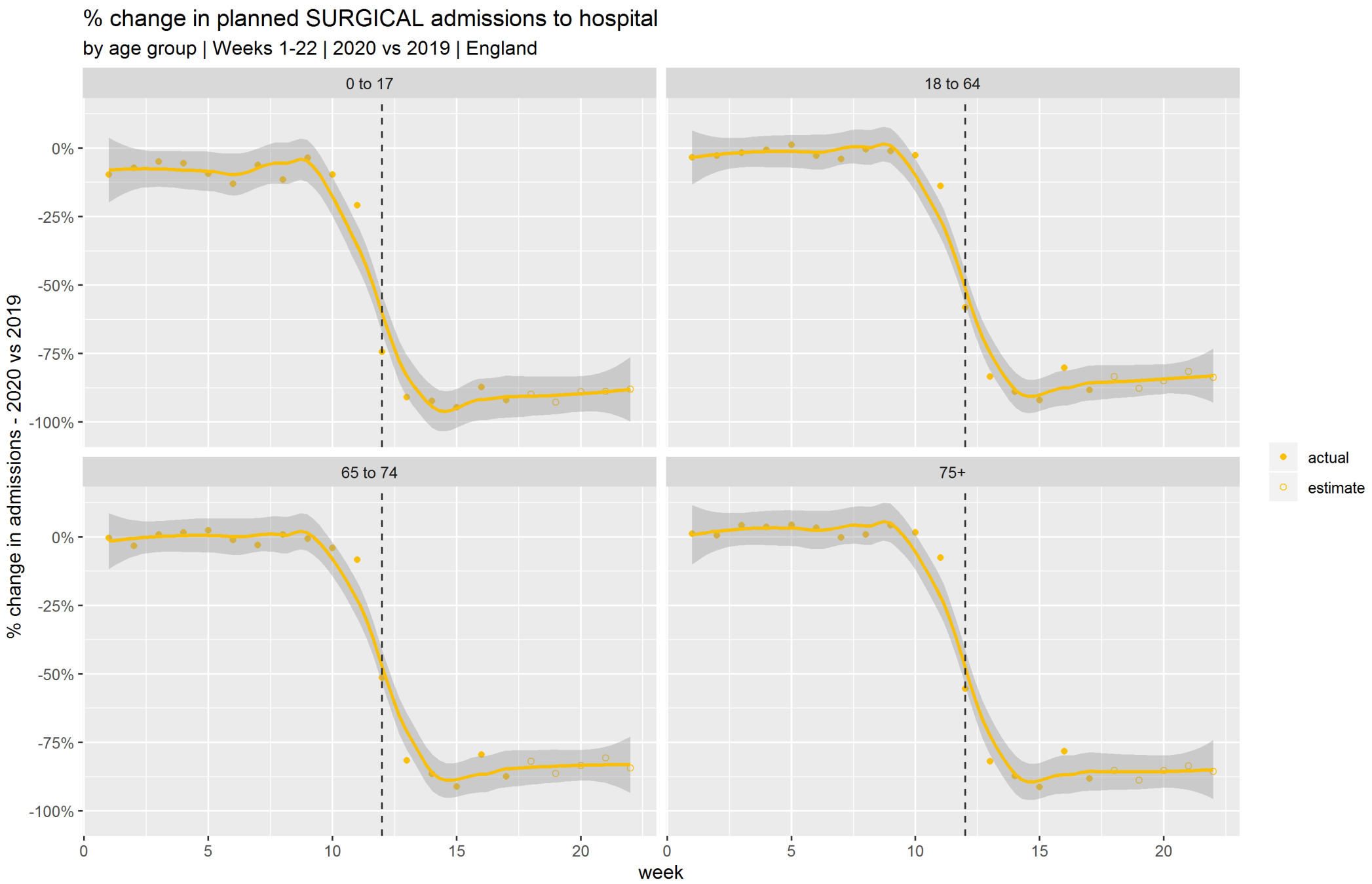

% change in planned admissions to hospital
by specialty type | Weeks 1-22 | 2020 vs 2019 | England
Surgical
Medical
Paediatric
Radiology
Other
0%
-25%
-50%
-75%
-100%
% change in admissions - 2020 vs 2019
0
5
10
15
20
week
actual
estimate


% change in planned admissions to hospital
by sector | Weeks 1-22 | 2020 vs 2019 | England
NHS
Ind.Sector
0%
-25%
-50%
-75%
-100%
% change in admissions - 2020 vs 2019
0
5
10
15
20
week
actual
estimate


% change in planned MEDICAL admissions to hospital
by specialty | Weeks 1-22 | 2020 vs 2019 | England
Cardiology
Clinical Haematology
Dermatology
Elderly Medicine
Gastroenterology
General Internal Medicine
Gynaecological Oncology
Gynaecology
Medical Oncology
Neurology
Other medical specialty
Paediatric
Rehabilitation Medicine
Renal Medicine
Respiratory Medicine
Rheumatology
0%
-25%
-50%
-75%
-100%
% change in admissions - 2020 vs 2019
0
5
10
15
20
week
actual
estimate


% change in planned MEDICAL admissions to hospital
by age group | Weeks 1-22 | 2020 vs 2019 | England
0 to 17
18 to 64
65 to 74
75+
0%
-25%
-50%
-75%
-100%
% change in admissions - 2020 vs 2019
0
5
10
15
20
week
actual
estimate


% change in planned SURGICAL admissions to hospital
by specialty | Weeks 1-22 | 2020 vs 2019 | England
Breast Surgery
Cardiac Surgery
Colorectal Surgery
Ear Nose and Throat
General Surgery
Hepatobil. & Panc. Surgery
Maxillofacial Surgery
Neurosurgical
Ophthalmology
Oral Surgery
Other surgical specialty
Pain Management
Plastic Surgery
Spinal Surgery
Thoracic Surgery
Trauma and Orthopaedic
Upper GI Surgery
Urology
Vascular Surgery
0%
-25%
-50%
-75%
-100%
0
5
10
15
20
% change in admissions - 2020 vs 2019
week
actual
estimate


% change in planned SURGICAL admissions to hospital
by age group | Weeks 1-22 | 2020 vs 2019 | England
0 to 17
18 to 64
65 to 74
75+
0%
-25%
-50%
-75%
-100%
% change in admissions - 2020 vs 2019
0
5
10
15
20
week
actual
estimate