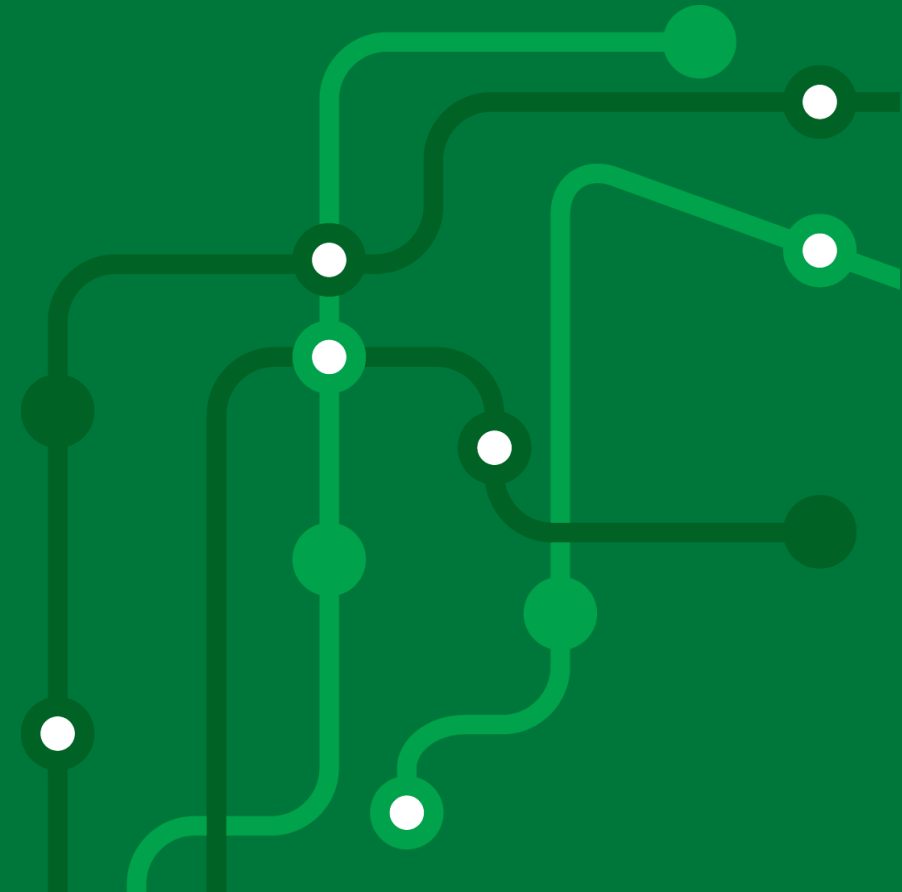


Transport **North East**

Transport Dashboard

Year in Review
January 2024

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Monthly highlights



Bus passenger numbers in December were estimated to be around **99%** of 2022 levels.



Metro passenger numbers in November were estimated to be **92%** of 2022 levels.



Overall, traffic speeds across the network in December 2023 were **2% slower** than December 2022.

Source: [Microsoft Power BI](#) (Urban Traffic Management Centre)



The daily average number of cyclists crossing the Millennium Bridge was 47% down in December compared to November. There were 3 named storms in December, which may have influenced figures.



During December 2023, weekday occupancies for Park and Ride sites at peak times were **5% up** on December 2022 figures.

Source: [Microsoft Power BI](#) (Urban Traffic Management Centre)



In 2023, around 370,000 journeys were made on the Shields Ferry, compared to 373,000 journeys in 2022.

Source: [Report: Shields Ferry - North East Evidence Hub \(northeastlep.co.uk\)](#)

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Annual highlights



Bus passenger numbers in 2023 were estimated to be around **101%** of 2022 levels.



Metro passenger numbers in 2023 were estimated to be **114%** of 2022 levels.



Overall, traffic speeds across the network in 2023 were **1.7% slower** than 2022.

Source: [Microsoft Power BI](#) (Urban Traffic Management Centre)



Railway station entries and exits across the region were **17% up** for April 2022 - March 2023 compared to April 2021- March 2022

Source: Office for Road and Rail



During 2023, weekday occupancies for Park and Ride sites at peak times were **37% up** on 2022 figures.

Source: [Microsoft Power BI](#) (Urban Traffic Management Centre)



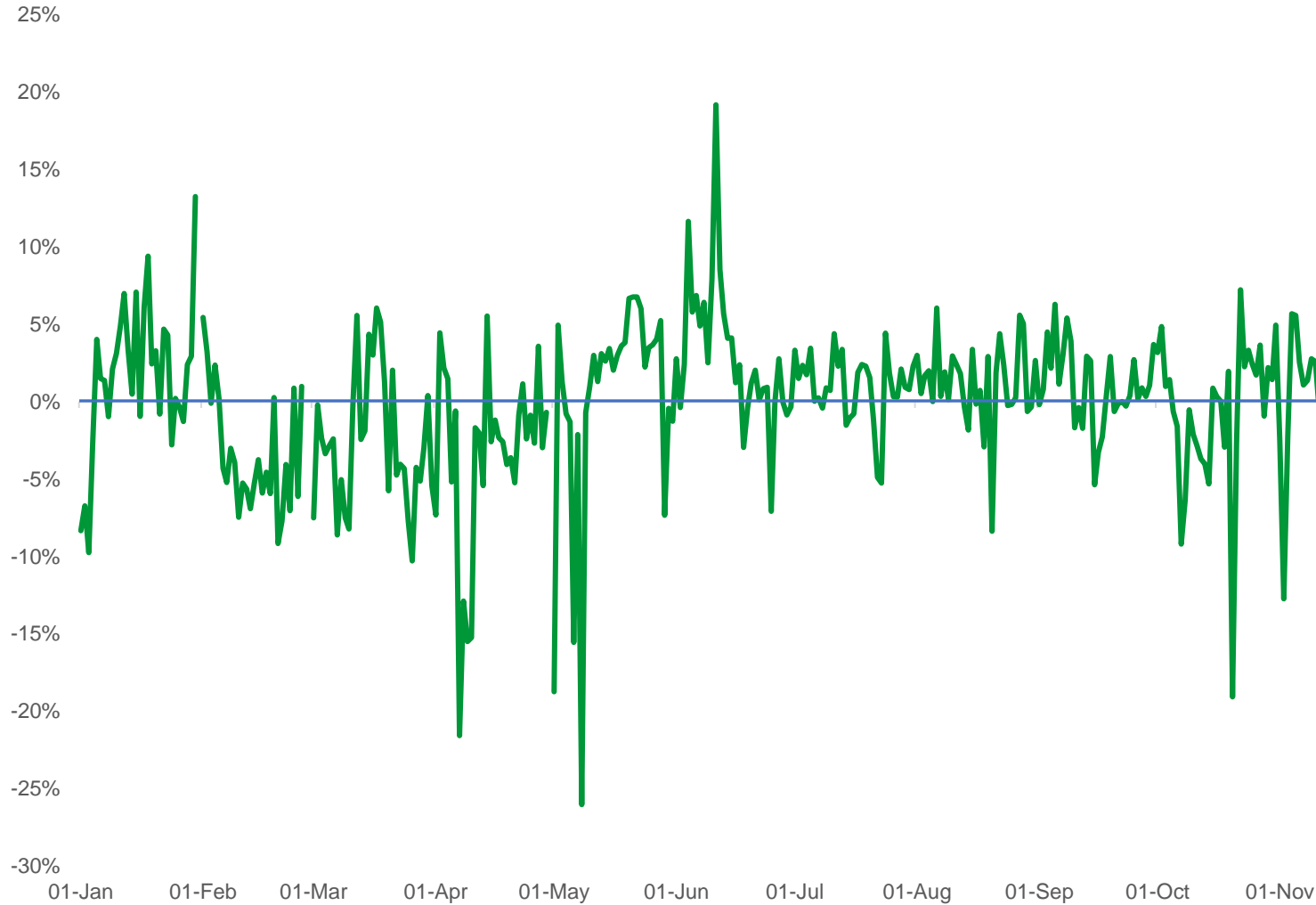
For much of the year traffic levels in Tyne and Wear have been higher than the equivalent period in 2022

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Traffic Levels in Tyne and Wear – 2023 as a % of 2022

Road traffic

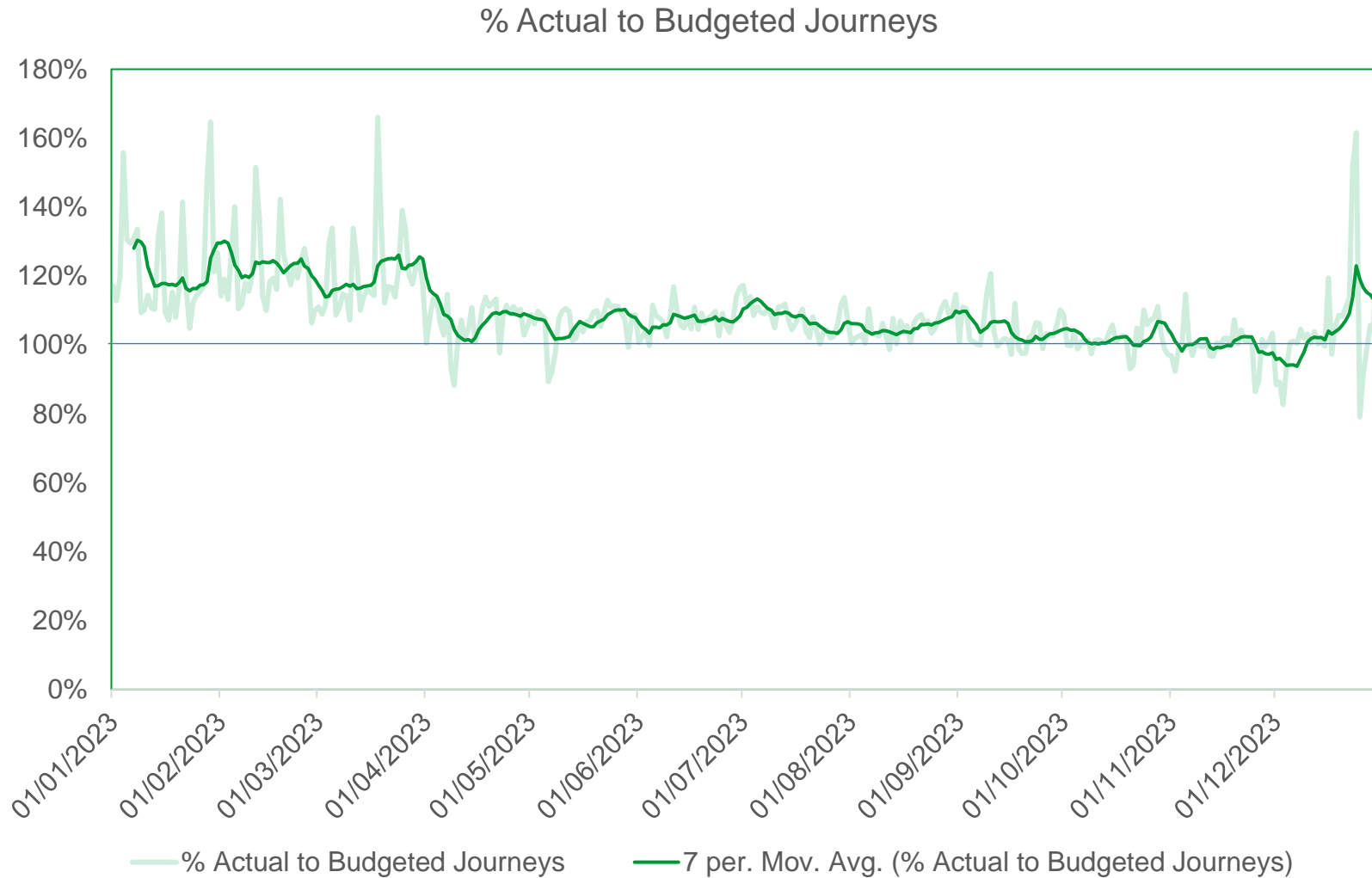


Although it does vary, for much of the year traffic levels in Tyne and Wear have been higher than the equivalent period in 2022

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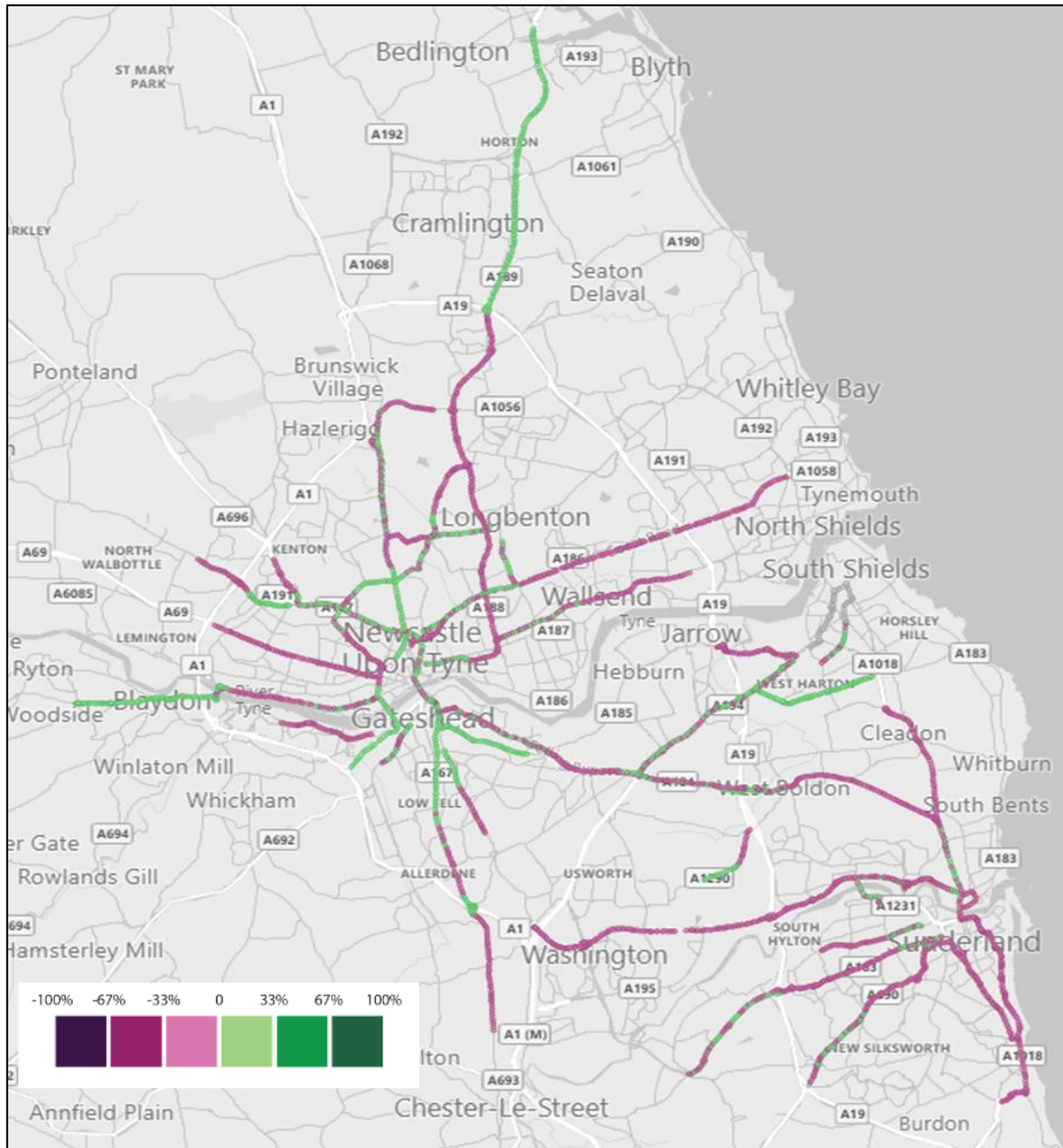
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Road traffic



Throughout 2023, journeys through the Tyne Tunnel were higher than budgeted. Around 1.6million journeys are made through the Tyne Tunnel each month.

Road Traffic Speed



This map compares traffic speeds across our network in 2023 compared to 2022.

Overall, traffic speeds across the network were 1.7% slower in 2023 compared to 2022. This equated to around 1 mile per hour difference on average.

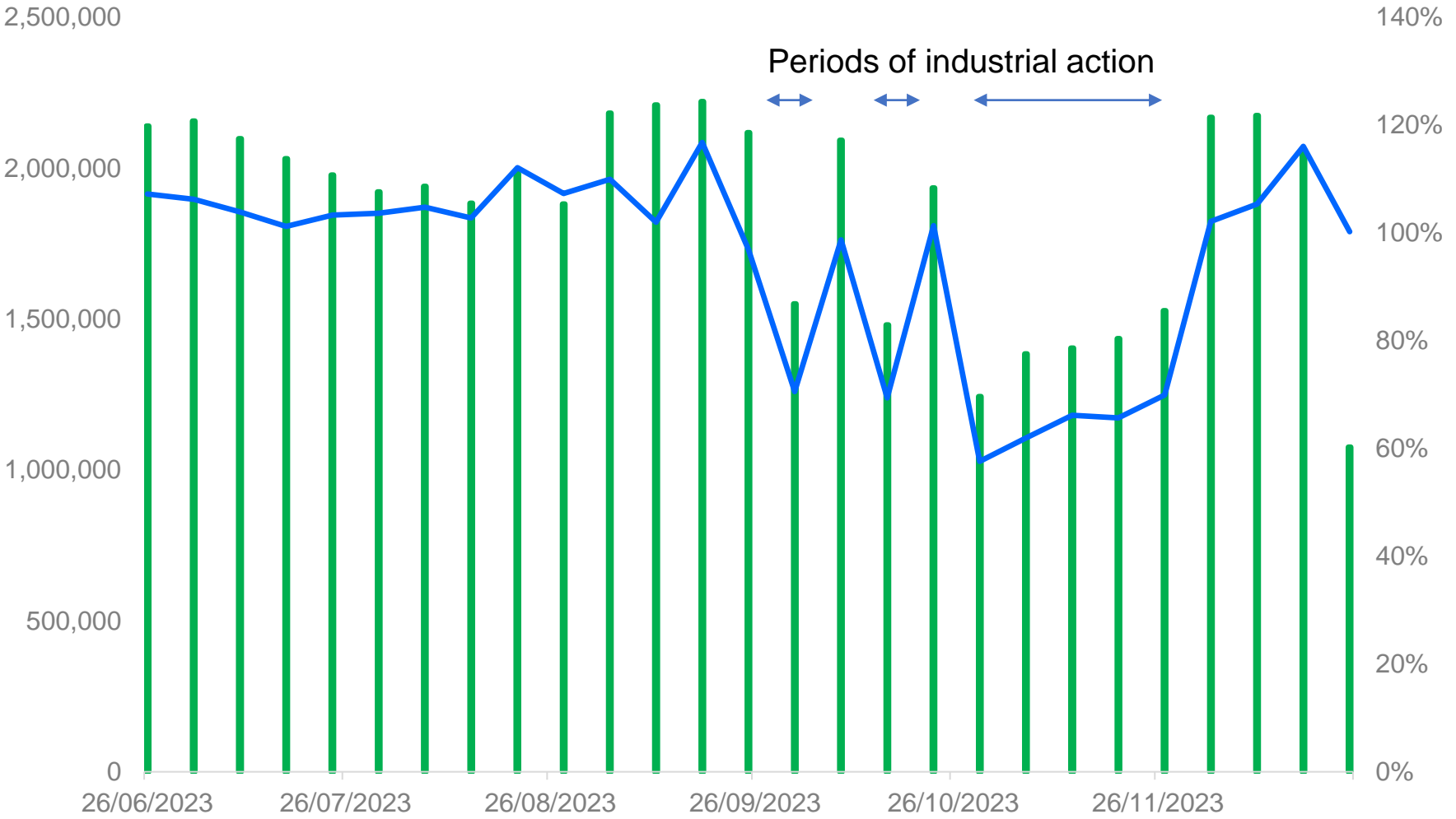
Source: [Microsoft Power BI](#) (Urban Traffic Management Centre)

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Sustainable transport - Bus

Estimated weekly bus patronage and % of the equivalent period in 2022

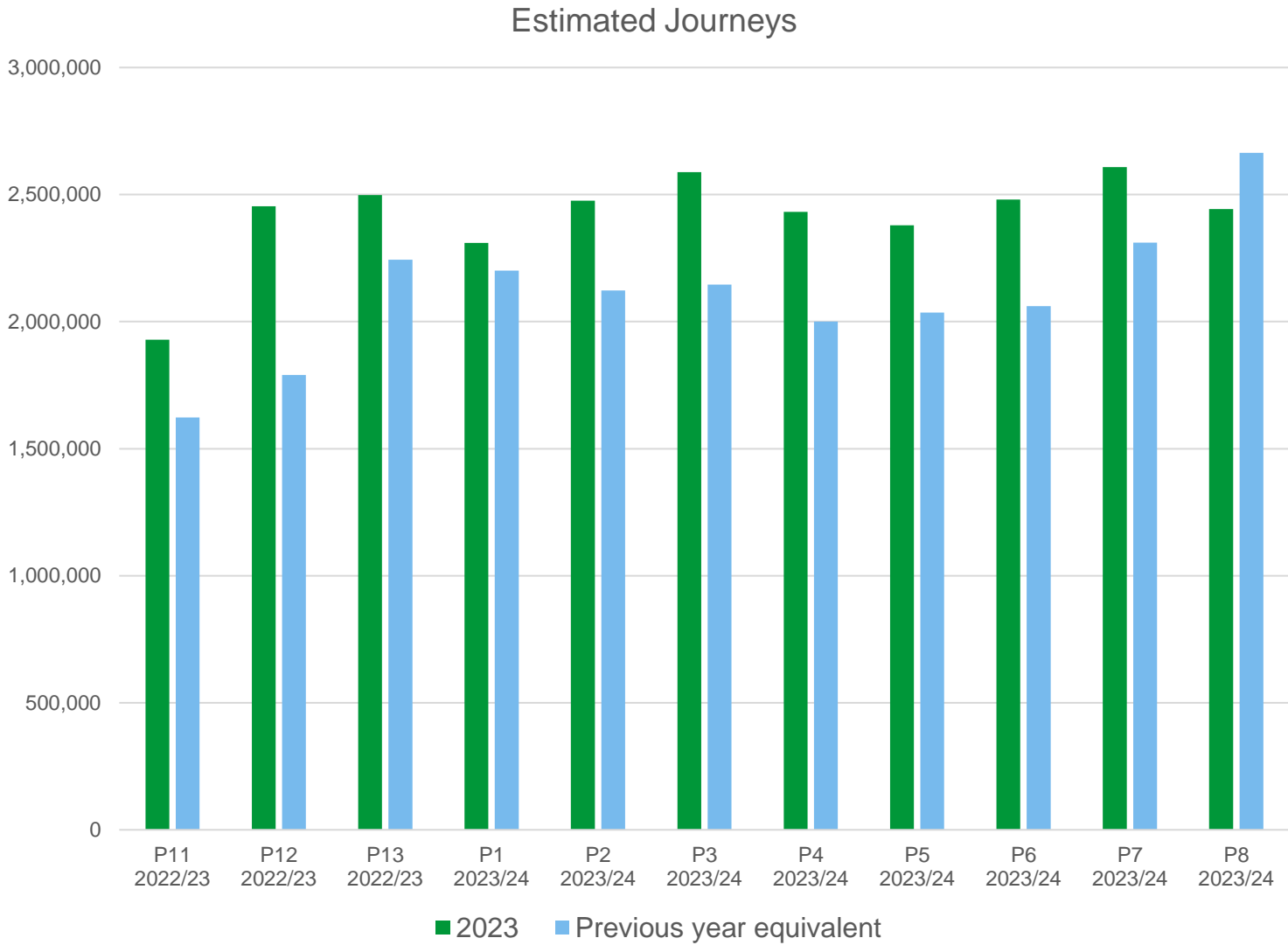


Throughout most of the year bus patronage has been slightly above patronage in the previous year, except for late 2023 where industrial action affected the number of services running and therefore passenger numbers. An estimated 101.6 million passenger journeys were made with the largest 3 bus operators up to in 2023, compared to 101.1m in the in 2022.

Source: Bus operators (Confederation of Passenger Transport)

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Metro passenger reporting periods are 4 weekly, April to March

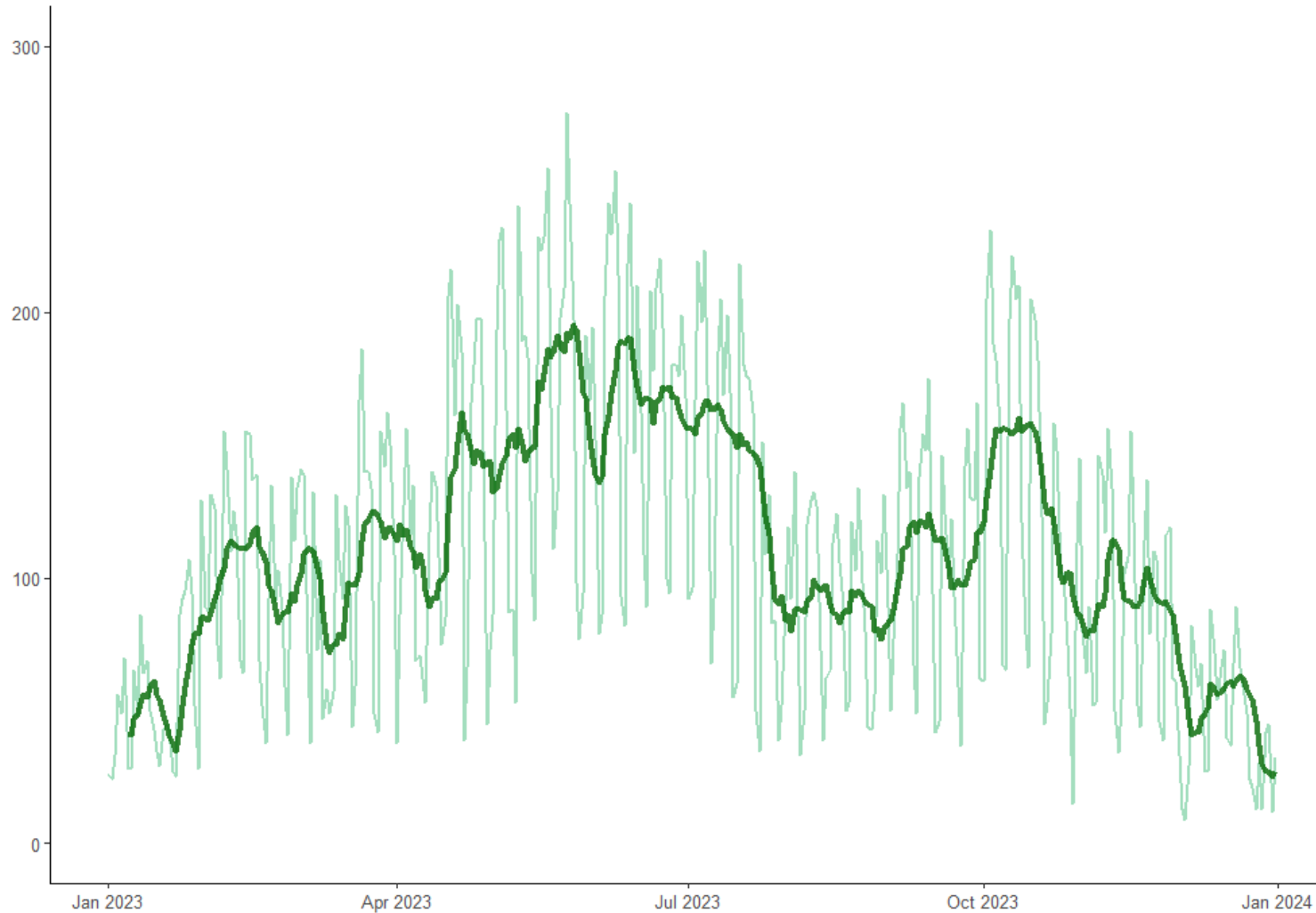
In 2023, most periods saw an increase in passenger numbers from the equivalent period in the previous year, except for the most recent data available, which was October/November 2023.

In the available periods for 2023, there were an estimated 28.8m passenger journeys, compared to 25.2m in the same period in the previous year.

Source: Nexus

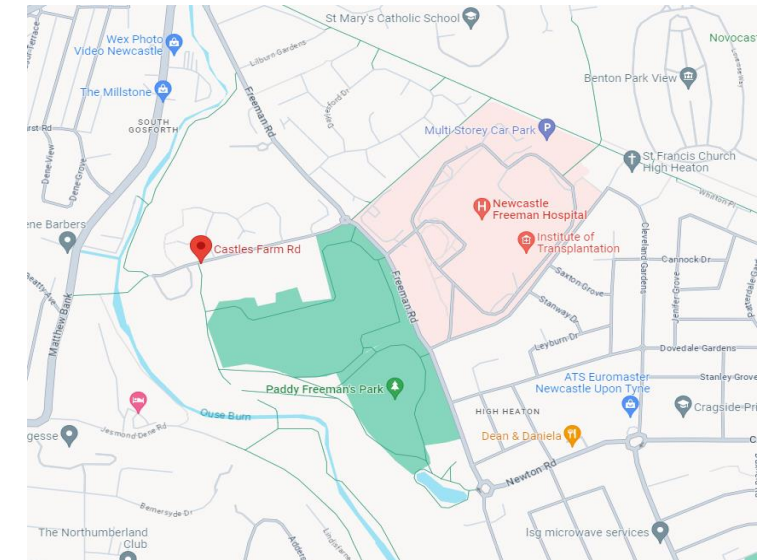
Active Travel

Daily Number of Cyclists 2023



The graph on this slide shows the volumes of cyclists at Castles Farm Road in Newcastle through 2023. The darker line is the 7 day moving average. We can see a steady increase in the first period of the year before a decline throughout July. Figures increased again during September and early October. October's figures may have been influenced by inclement weather conditions throughout the month.

On an average day across this period, **110 cyclists passed this area**. The fewest cyclists passing this area was 9 and the most was 275. Across the year, **40,332 cyclists** were counted by the sensor.



Source: Transport North East Counter Data, map from Google Maps

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Park and Ride

Park and Ride Sites	2022 (%)	2023 (%)
Bank Foot	38	30
Callerton Parkway	13	41
East Boldon	94	97
Fellgate	50	47
Four Lane Ends	10	12
Heworth (Long Stay)	29	39
Kingston Park	21	59
Northumberland Park	9	14
Regent Centre	37	41
Stadium of Light	31	39

This slide focusses on weekday peak hour (11:00-13:00) park and ride car park percentage occupancy at selected sites across 2022 and 2023.

Overall occupancy during 2023 was 37% up on 2022 figures, with only Bank Foot and Fellgate Metro sites showing lower occupancy across this period.

Source: [Microsoft Power BI](#) (Urban Traffic Management Centre)

Railway Station Entries and Exits

Station name	Entries and exits - All tickets
Newcastle	8,402,922
Durham	2,446,734
Berwick-Upon-Tweed	567,782
Morpeth	487,610
Sunderland	481,814
Hexham	336,130
Alnmouth	331,064
MetroCentre	320,764
Bishop Auckland	153,564
Cramlington	133,834

Table of top 10 LA7 stations by usage 2022-23

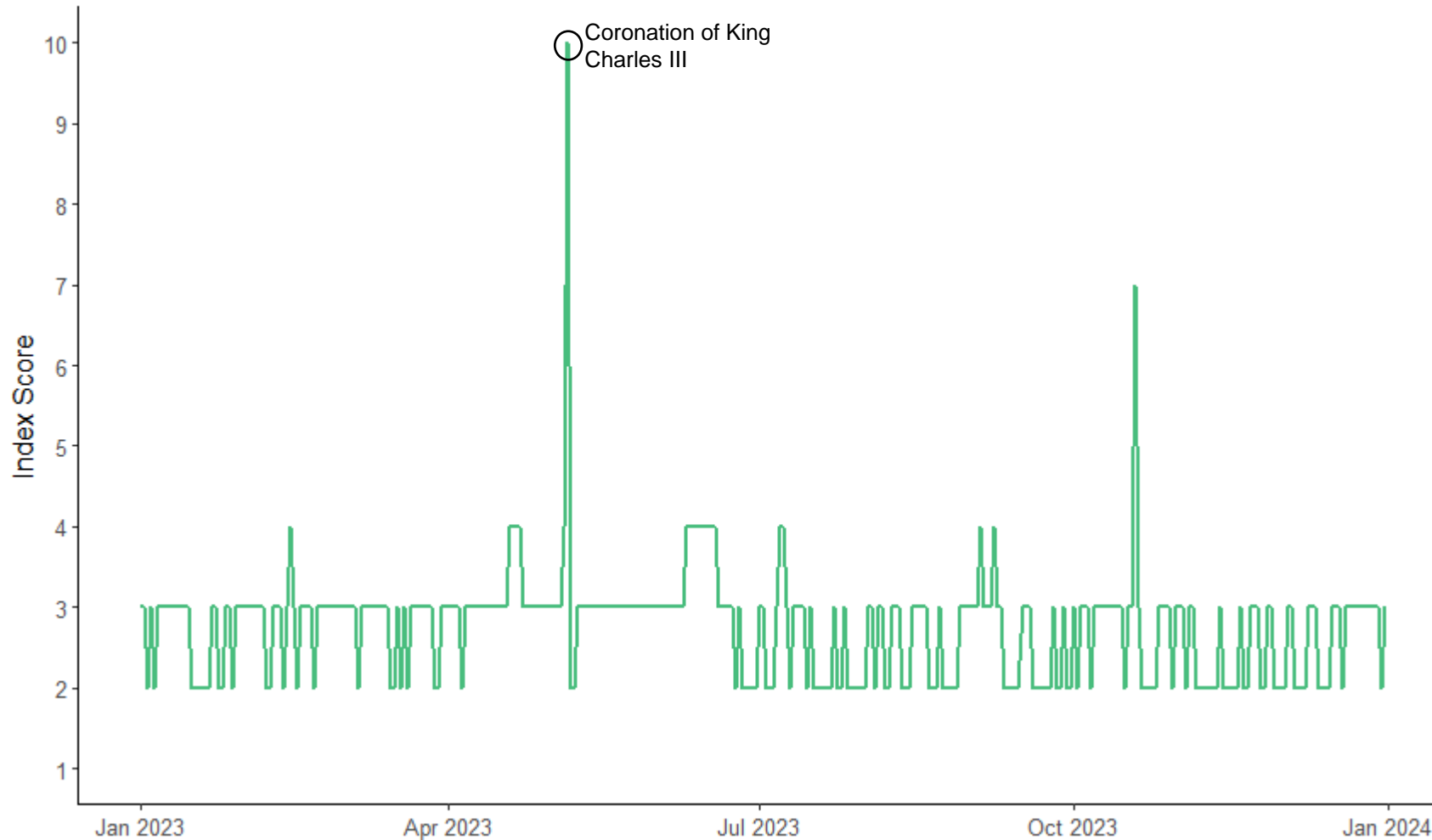
Between April 2022 and March 2023, there were an estimated **14,751,608** entries and exits at rail stations within the LA7. This was up from 12,633,618, representing a 17% increase.

Most of these came at Newcastle (67%), which was the 46th highest station in terms of usage nationally.

Source: Office of Road and Rail

Transport and Air Pollution

Daily North East Air Quality Index 2023



Low

Moderate

High

Very High

The overall [air pollution index](#) for a site or region is determined by the highest concentration of five pollutants:

- Nitrogen Dioxide
- Sulphur Dioxide
- Ozone
- Particles < 2.5µm (PM_{2.5})
- Particles < 10µm (PM₁₀)

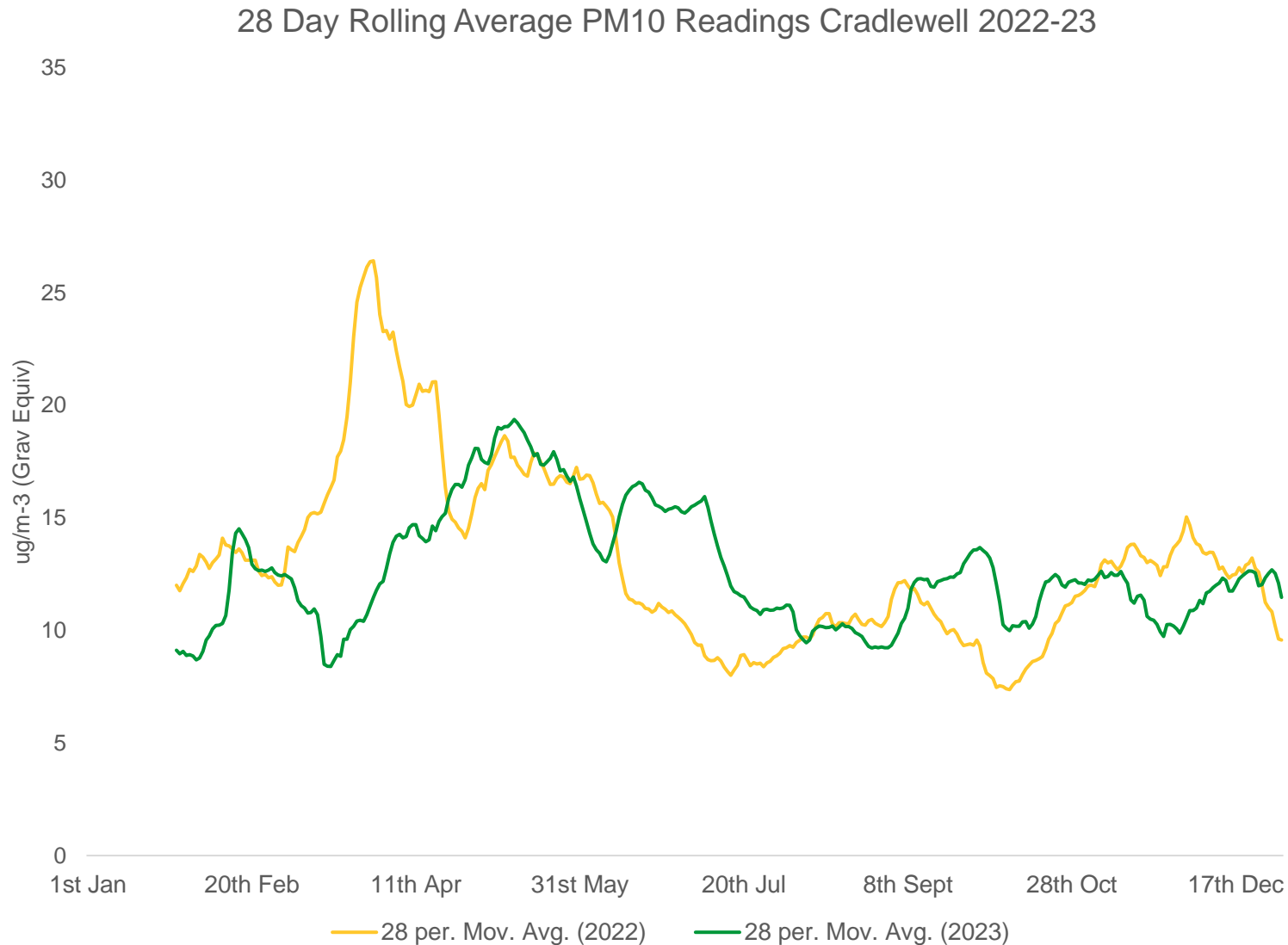
The Daily Air Quality Index uses a 1-10 index divided into four bands ('Low', 'Moderate', 'High' and 'Very High') to provide more detail about air pollution levels in a simple way. In 2023 the most frequent index by day was 3, up from 2 in 2022.

[Source: Daily Air Quality Index - Defra, UK](#)

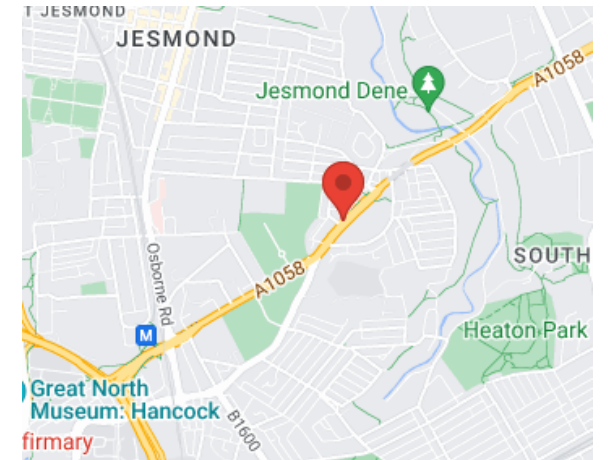
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Transport and Air Pollution



This slide shows the 28 day rolling average for PM10 readings at a roadside site in Newcastle. March 2023 had the 8th highest level of rainfall since records began, which may explain the readings around that period.



Map from Google Maps

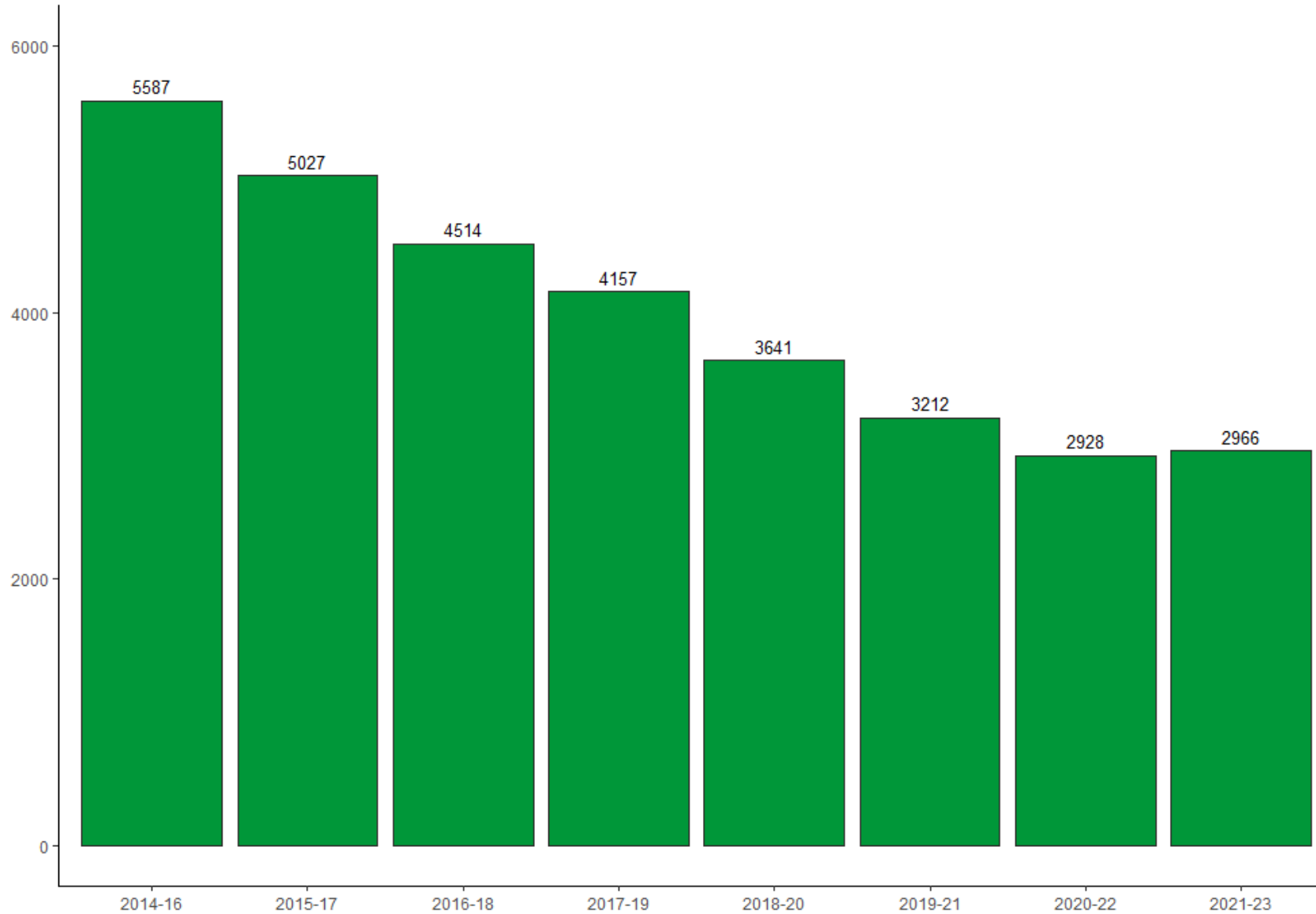
Source: [Monitoring Networks - Defra, UK](#)

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Road User Casualties

Road User Casualties (All Severities) 2014-2023



This slide shows the incidence of road user casualties across the region between 2014-2023. These years are grouped into 3 year rolling averages due to the potential volatility of individual figures skewing overall trends (such as the impact of Covid restrictions). We can see a marked decrease in casualty rates across the period, with a 47% decrease in casualties from the first 3 years to the most recent grouping.

Please note- data for 2023 is provisional and may be subject to change.

Source: Traffic Accident Data Unit

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