COVID-19

Local authority travel and transport data

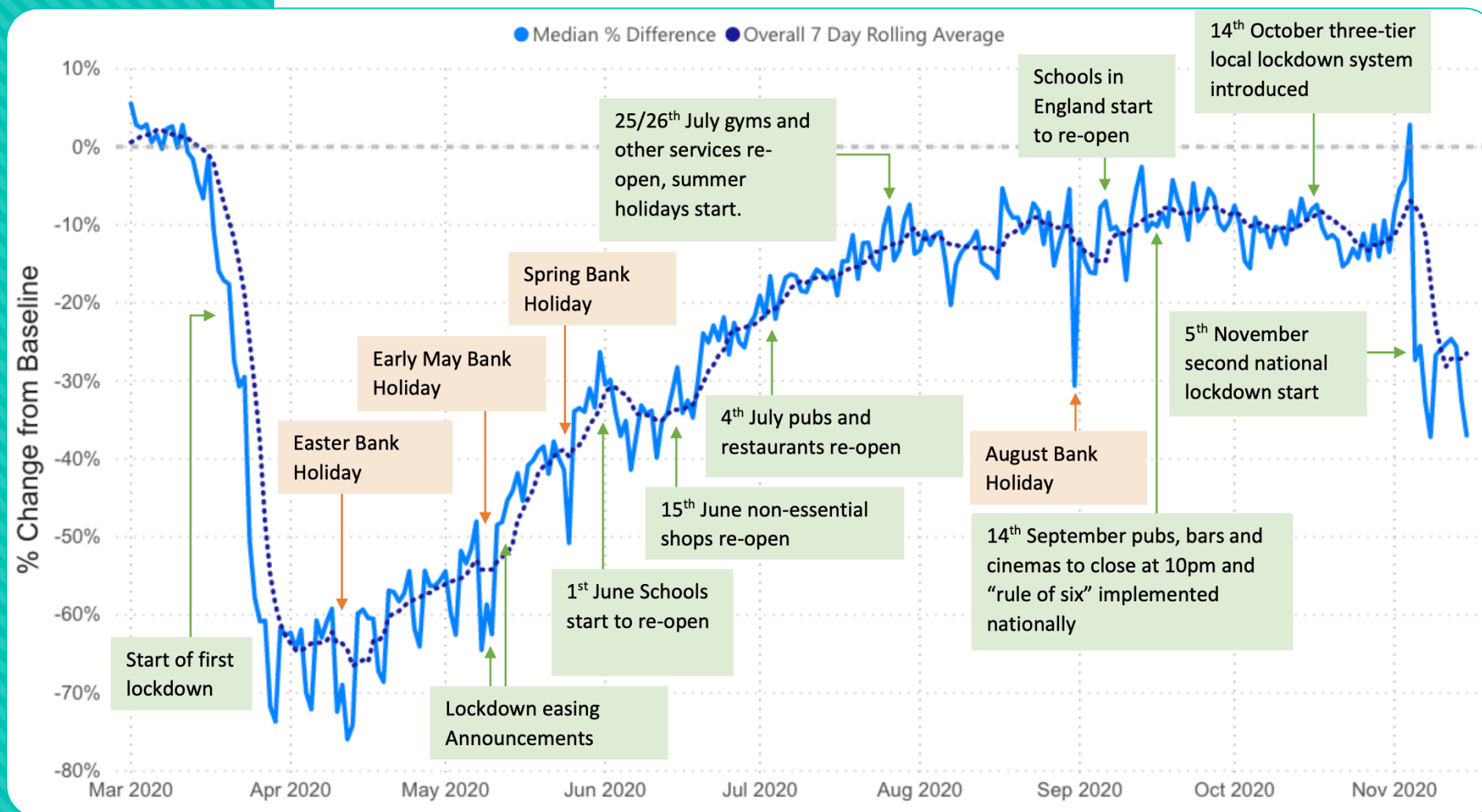## Weekly digest

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ITS UK Project of the Year Award 2020 Winner

United Kingdom
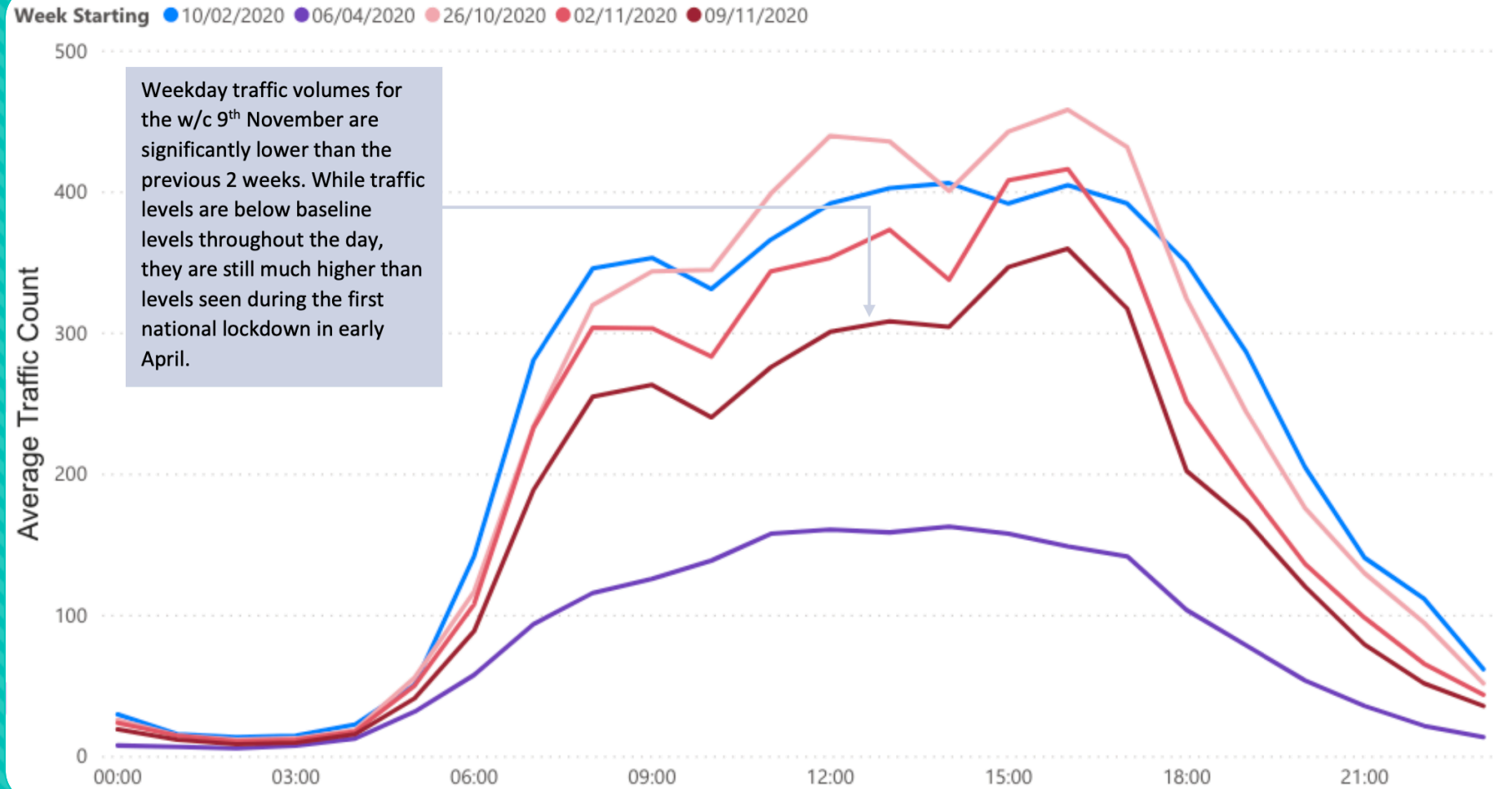
Darren Capes FIET FIHE

DfT and Transport Technology Forum

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Traffic since lockdown

Weekly traffic through lockdown

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Week Starting ● 10/02/2020 ● 06/04/2020 ● 26/10/2020 ● 02/11/2020 ● 09/11/2020

Weekday traffic volumes for the w/c 9th November are significantly lower than the previous 2 weeks. While traffic levels are below baseline levels throughout the day, they are still much higher than levels seen during the first national lockdown in early April.

Traffic by class through lockdown
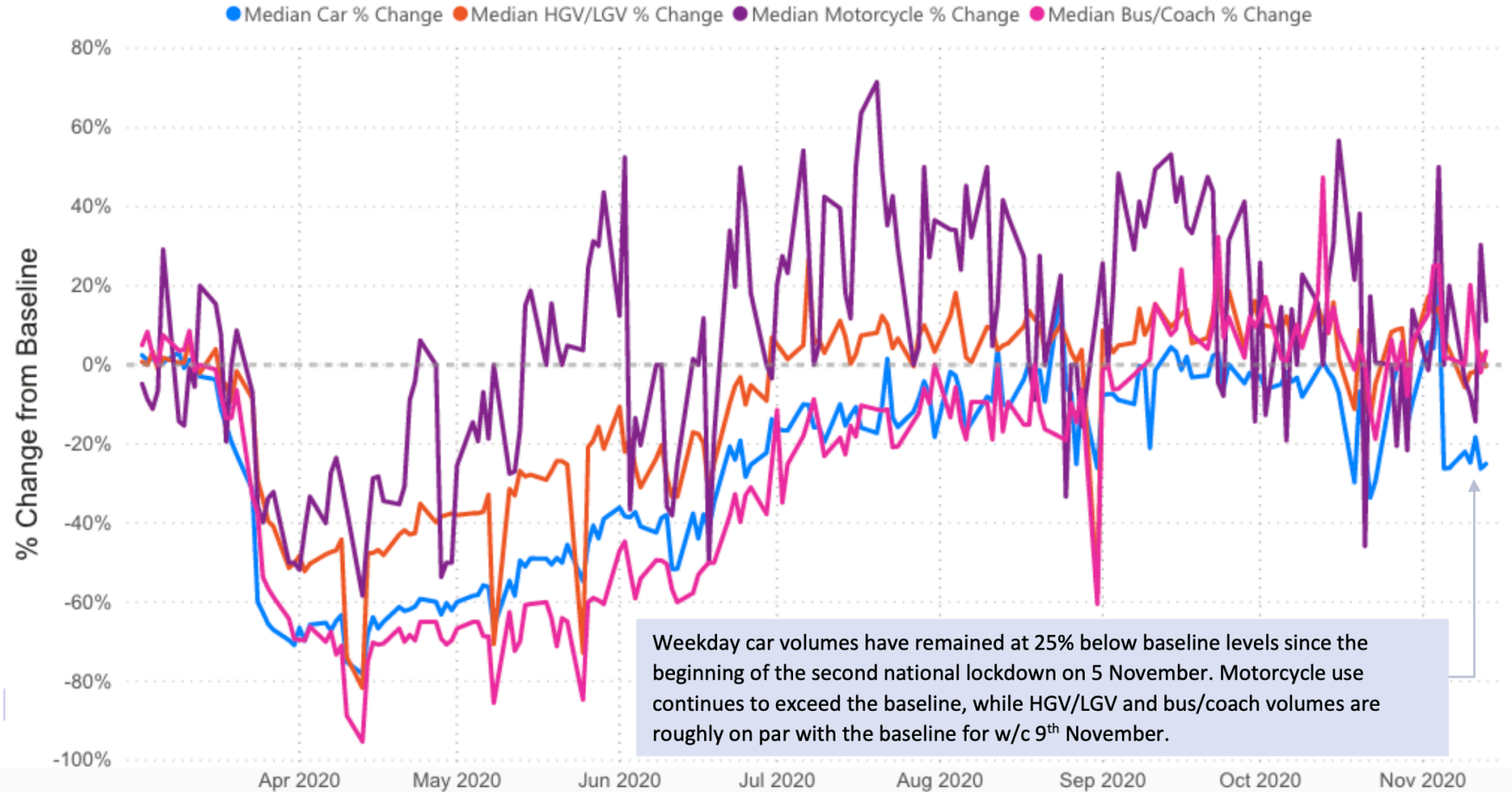
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Median Car % Change | Median HGV/LGV % Change | Median Motorcycle % Change | Median Bus/Coach % Change

Weekday car volumes have remained at 25% below baseline levels since the beginning of the second national lockdown on 5 November. Motorcycle use continues to exceed the baseline, while HGV/LGV and bus/coach volumes are roughly on par with the baseline for w/c 9th November.
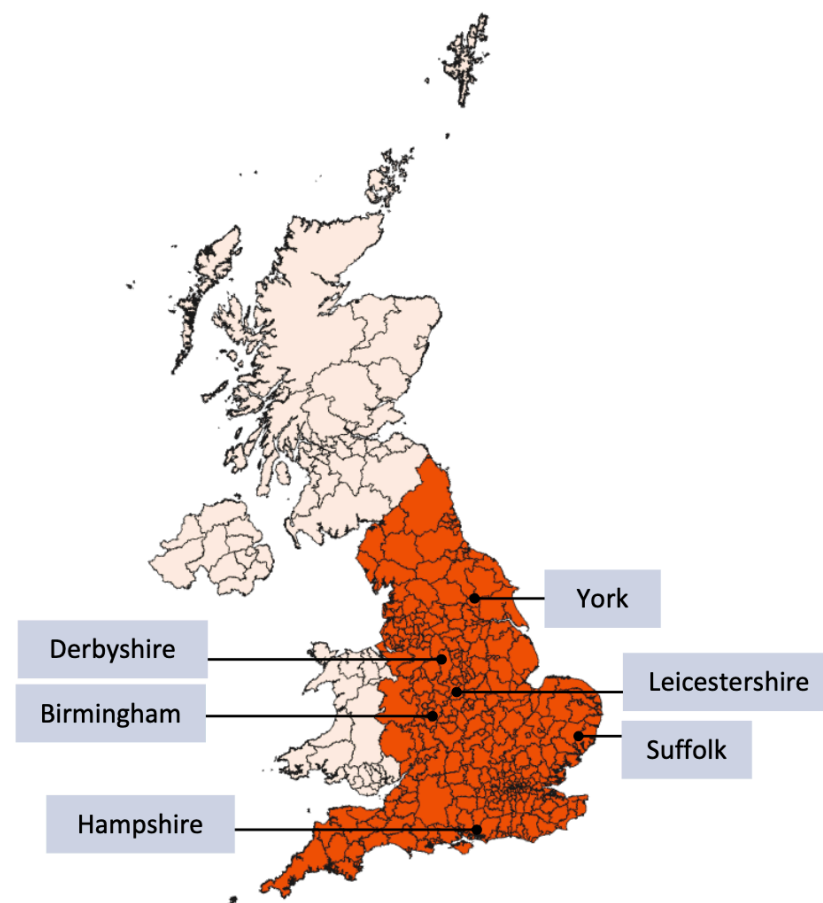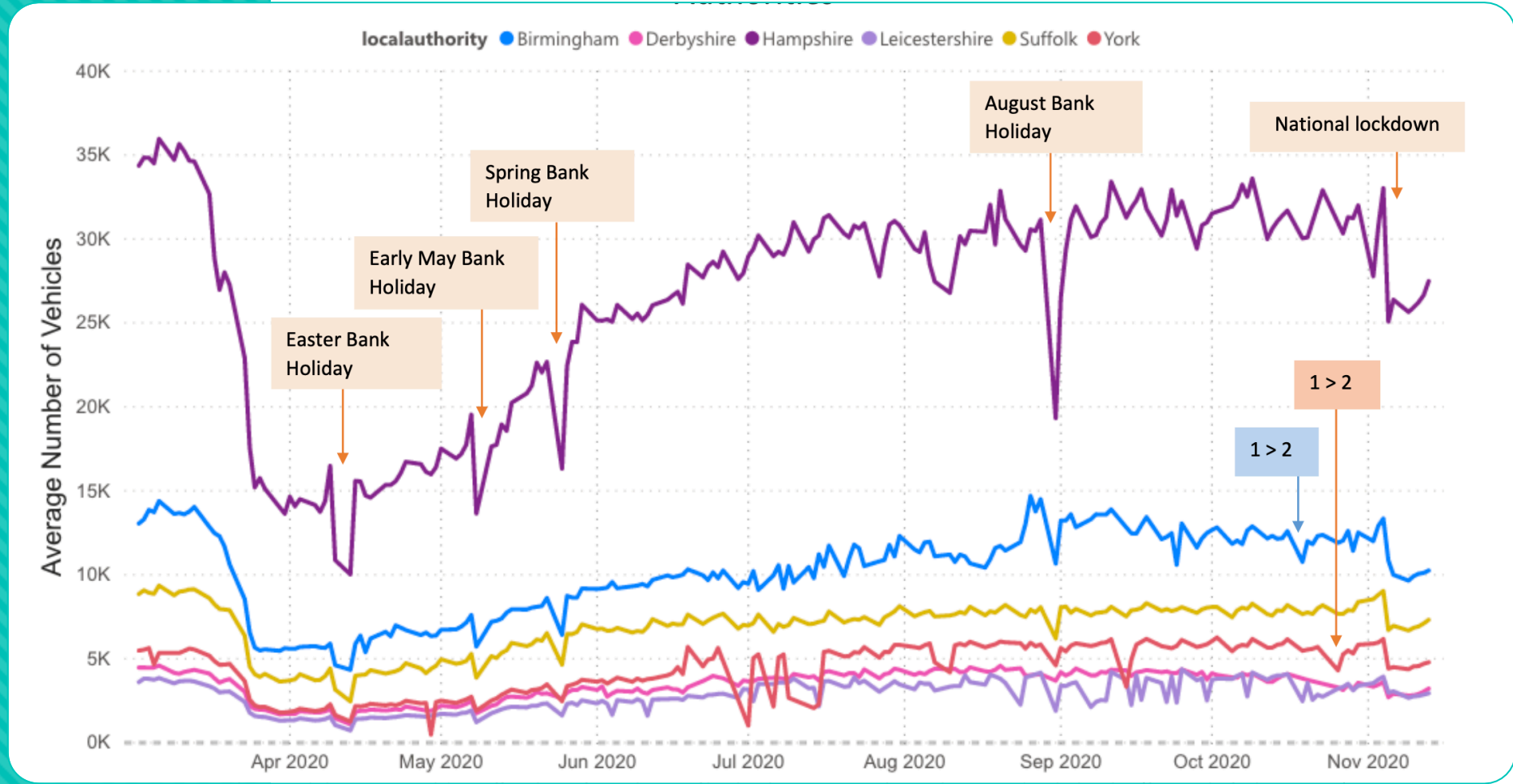
Figure 6: Tiered local COVID-19 restrictions in England. Data has been provided by:

- Birmingham City Council (tier 1>2 14/20/20)
- City of York Council (tier 1>2 17/10/20)
- Suffolk County Council (tier 1)
- Hampshire County Council (tier 1)
- Derbyshire County Council (tier 1>2 31/10/20)
- Leicestershire County Council (tier 1 – excludes city of Leicester)

https://www.gov.uk/guidance/local-covid-alert-levels-what-you-need-to-know/

Detailed analysis by authority area

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Detailed analysis by authority area

Local Authorities

localauthority ● Birmingham ● Derbyshire ● Hampshire ● Leicestershire ● Suffolk ● York

Average Number of Vehicles

40K
35K
30K
25K
20K
15K
10K
5K
0K

Apr 2020   May 2020   Jun 2020   Jul 2020   Aug 2020   Sep 2020   Oct 2020   Nov 2020

Easter Bank Holiday

Early May Bank Holiday

Spring Bank Holiday

August Bank Holiday

National lockdown

1 > 2

1 > 2

Detailed analysis by authority area

Comparing pre-lockdown (10/02/20), with early lockdown (06/04/20) and recent weeks

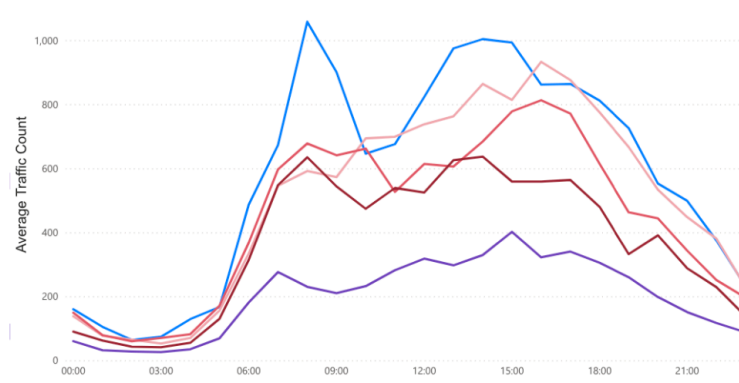Week Starting ● 10/02/2020 ● 06/04/2020 ● 26/10/2020 ● 02/11/2020 ● 09/11/2020
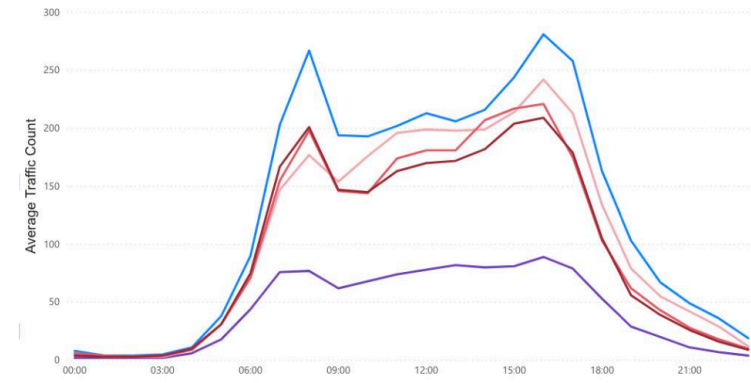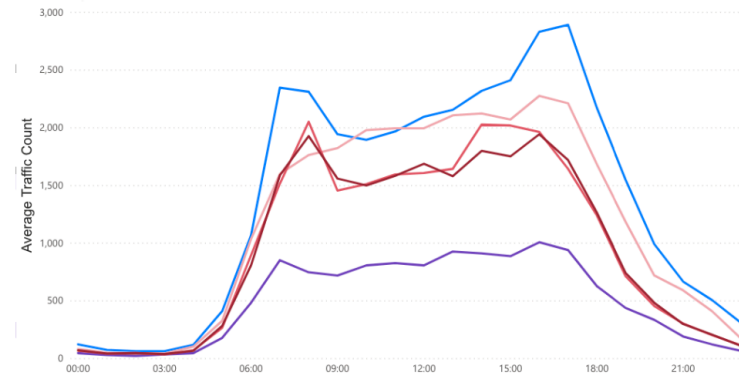
Figure 8a: Birmingham

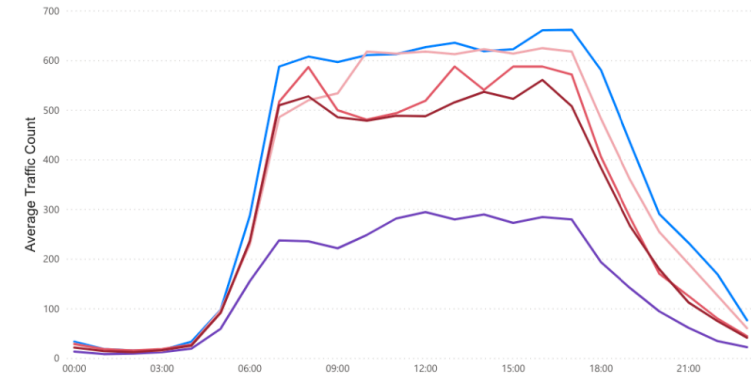Figure 8b: Derbyshire

Figure 8c: Hampshire

Figure 8d: Suffolk
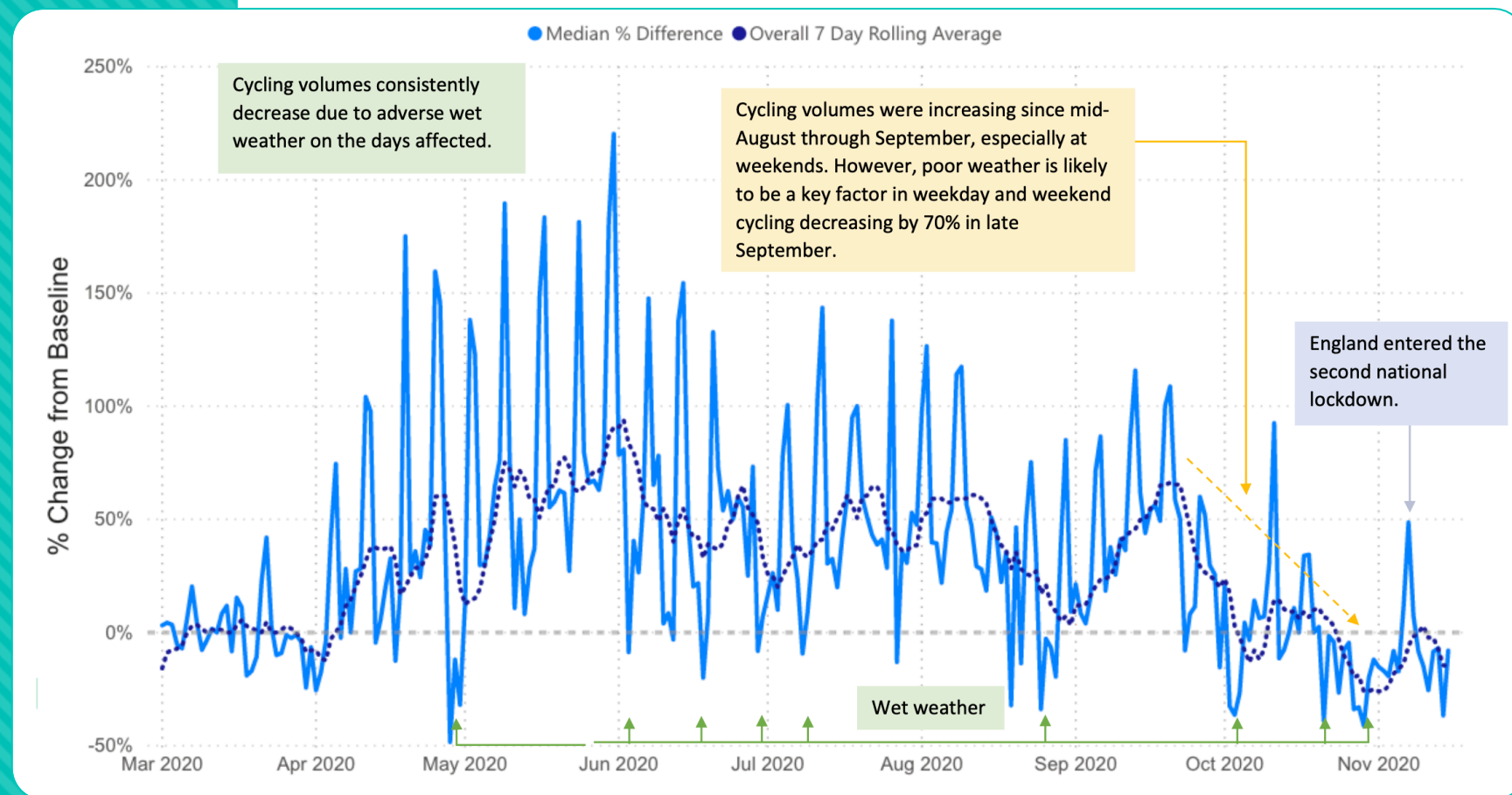
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Data for active modes such as cycling

…and compared to rainfall data

Change in Average Daily Cycling Compared to Baseline (%) vs Rainfall (mm)

● National Average Rainfall mm ● Cycling % Change

Contains Met Office data licensed under the Open Government Licence v3.0

Month of February very wet – however first week (baseline) reasonably dry

Lockdown cycling troughs coincide with wettest periods of weather

Local and specific events

Weekday car volumes in Bournemouth have exceeded baseline levels consistently since July with peaks in both car and HGV/LGV traffic on Wednesdays.

Local and specific events

Key Traffic Flow Dashboard Measures

Overall Daily Traffic Flow Change Compared to Baseline (01-07 Feb 2020)

Week Starting	1. Monday	2. Tuesday	3. Wednesday	4. Thursday	5. Friday	6. Saturday	7. Sunday	Total
31/08/2020	-30.78%	-11.67%	-13.42%	-16.41%	-13.43%	-8.79%	-9.46%	**-14.78%**
24/08/2020	-11.85%	-12.03%	-10.86%	-13.44%	-12.57%	-10.13%	-5.42%	**-11.28%**
17/08/2020	-10.70%	-10.33%	-14.60%	-9.21%	-13.20%	-11.13%	-5.88%	**-10.80%**
10/08/2020	-11.37%	-11.39%	-11.42%	-14.52%	-14.46%	-13.09%	-13.54%	**-12.54%**
03/08/2020	-10.81%	-11.33%	-8.89%	-14.44%	-14.43%	-12.56%	-10.50%	**-11.83%**
27/07/2020	-17.40%	-13.53%	-8.31%	-11.50%	-15.92%	-14.39%	-12.62%	**-13.04%**
20/07/2020	-14.51%	-13.01%	-15.34%	-16.92%	-13.29%	-12.93%	-8.29%	**-13.56%**
13/07/2020	-13.50%	-15.63%	-18.42%	-16.52%	-15.94%	-15.75%	-16.56%	**-15.69%**
Total	**-25.00%**	**-21.73%**	**-22.03%**	**-23.57%**	**-23.08%**	**-23.34%**	**-22.90%**	**-23.15%**

Key Cycling Dashboard Measures

Overall Daily Cycling Change Compared to Baseline (01-07 Feb 2020)

Week	1. Monday	2. Tuesday	3. Wednesday	4. Thursday	5. Friday	6. Saturday	7. Sunday	Total
31/08/2020	28.05%	37.05%	9.09%	4.50%	32.14%	98.75%	117.26%	**32.14%**
24/08/2020	48.32%	-36.11%	-9.20%	-20.26%	-20.69%	53.70%	107.79%	**8.33%**
17/08/2020	49.37%	35.48%	-41.46%	55.09%	-20.00%	73.41%	118.39%	**33.33%**
10/08/2020	57.14%	65.38%	42.41%	29.41%	28.68%	58.03%	75.97%	**54.36%**
03/08/2020	70.79%	48.75%	44.30%	54.85%	57.14%	146.45%	166.37%	**77.19%**
27/07/2020	-2.32%	73.53%	63.89%	77.14%	55.95%	119.57%	154.90%	**74.57%**
20/07/2020	70.79%	81.88%	64.44%	53.66%	53.50%	10.34%	171.43%	**68.94%**
Total	**20.43%**	**18.55%**	**4.52%**	**12.00%**	**16.10%**	**63.26%**	**93.02%**	**28.00%**

We really appreciate the help!

- Adapter Logic Ltd
- Appyway
- Bath and North East Somerset Council
- Birmingham City Council
- Bolton Council
- Bournemouth Christchurch Poole Council
- Bracknell Forest Council
- Brighton and Hove City Council
- Bristol City Council
- Cambridge shire County Council
- Chordant, Inc
- Cornwall Council
- Coventry City Council
- Darlington Borough Council
- Derbyshire County Council
- Devon County Council
- Dorset Council

- Drakewell Ltd
- East Riding of Yorkshire Council
- ElephantWifi
- Proximity Futures Ltd
- Essex County Council
- Gateshead Council
- Gloucestershire County Council
- Hampshire County Council
- Hertfordshire County Council
- Hozah Ltd
- Hull City Council
- Iotics Ltd
- Kirklees Council
- Leeds City Council
- Leicester City Council
- Leicestershire County Council
- Liverpool John Moores University

- Middlesbrough Council
- Newcastle City Council
- Newcastle Urban Observatory
- Norfolk County Council
- Northumberland County Council
- Nottingham City Council
- Oxfordshire County Council
- Peterborough City Council
- Plymouth City Council
- Portsmouth City Council
- Premier Park Ltd
- Rotherham Metropolitan Borough Council
- Sheffield City Council
- Siemens Mobility
- Slough Borough Council
- Springboard
- Suffolk County Council
- Surrey County Council
- Swarco

- Tracsis PLC
- Transport for Greater Manchester
- Transport for West Midlands
- Vivacity Labs Ltd
- London Borough of Waltham Forest
- Warrington Borough Council
- West Sussex County Council
- Wiltshire Council
- Worcestershire County Council
- City of York Council
- Blackpool Council
- ParkingEye Ltd
- Skanska UK
- SUSTRANS
- Tamar Crossings
- The Tamar Bridge and Torpoint Ferry Joint Committee
- Network Information Services

Find all the information here

https://www.ttf.uk.net/

https://www.ttf.uk.net/covid-19-local-authority-travel-and-transport-data/