

TfL SHE R&A team overview

CUSP data dive

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EVERY JOURNEY MATTERS

SHE R&A team overview

The SHE reporting and analysis team provide reporting and analysis for:

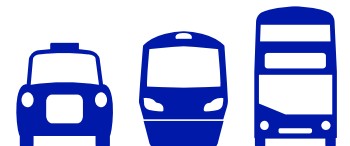
Safety

(of our colleagues and customers) (occupational health of our staff)

Health

Environment

(environmental impact of TfL)



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SHE R&A team overview

The team cover 3 types of work across S, H and E:

Reporting

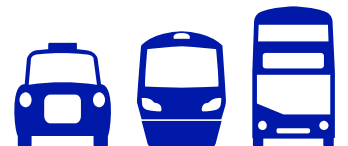
- Internal and external performance reporting
- external publication of data
- dashboards

Automation

- Use of tools to automate reporting processes to reduce burden on team and improve data quality of reporting.
- This gives the team more time to focus on....

Analysis

- Trend analysis, statistical analysis
- spatial analysis
- assessing the impact of policies and interventions
- predictive analysis



Data sources and tools

Safety

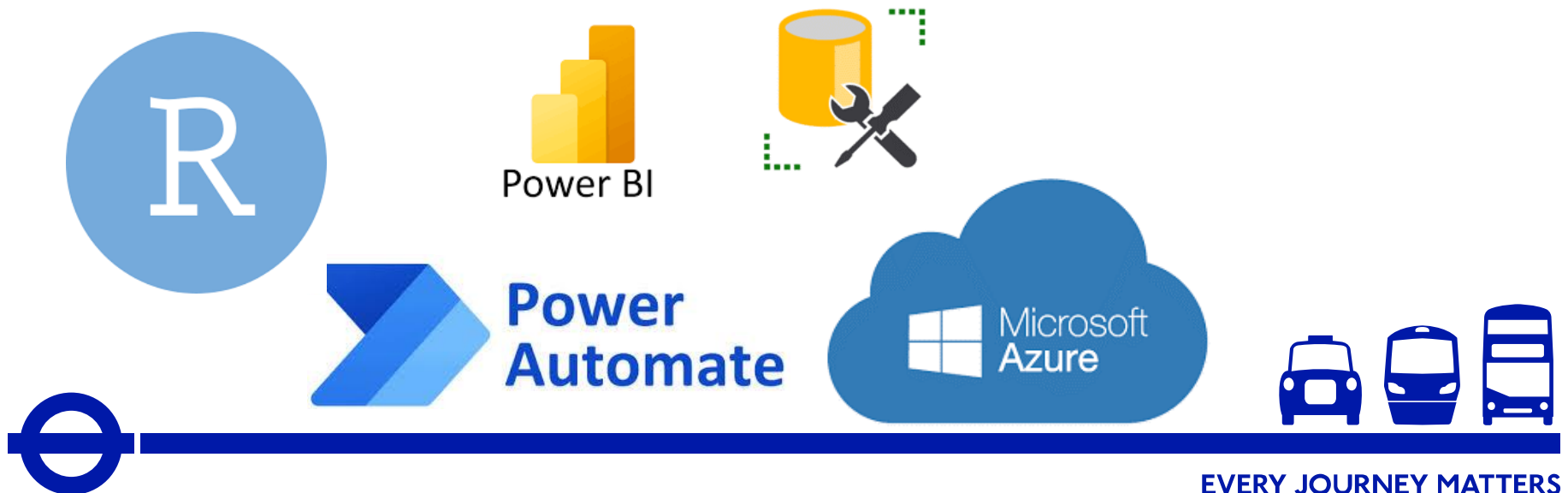
- incident reporting systems (IE2, IRIS); police reported collisions (collstats)

Occupational health

- meddbase, wellbeing data

Environment

- energy consumption, spend data



A selection of SHE R&A projects this year..



How do we better understand road risk?

- Inequalities in road danger dashboard
- Data linking project combining casualty data with indices of multiple deprivation
- Looks at the relationship between road safety outcomes and deprivation
- Overall findings: The more deprived the area, the higher the frequency with which people are seriously injured or killed in that area.

Road accidents still linked to deprivation, TfL tool shows

© 11 January



Lambeth to tackle road danger inequality

21 November 2023

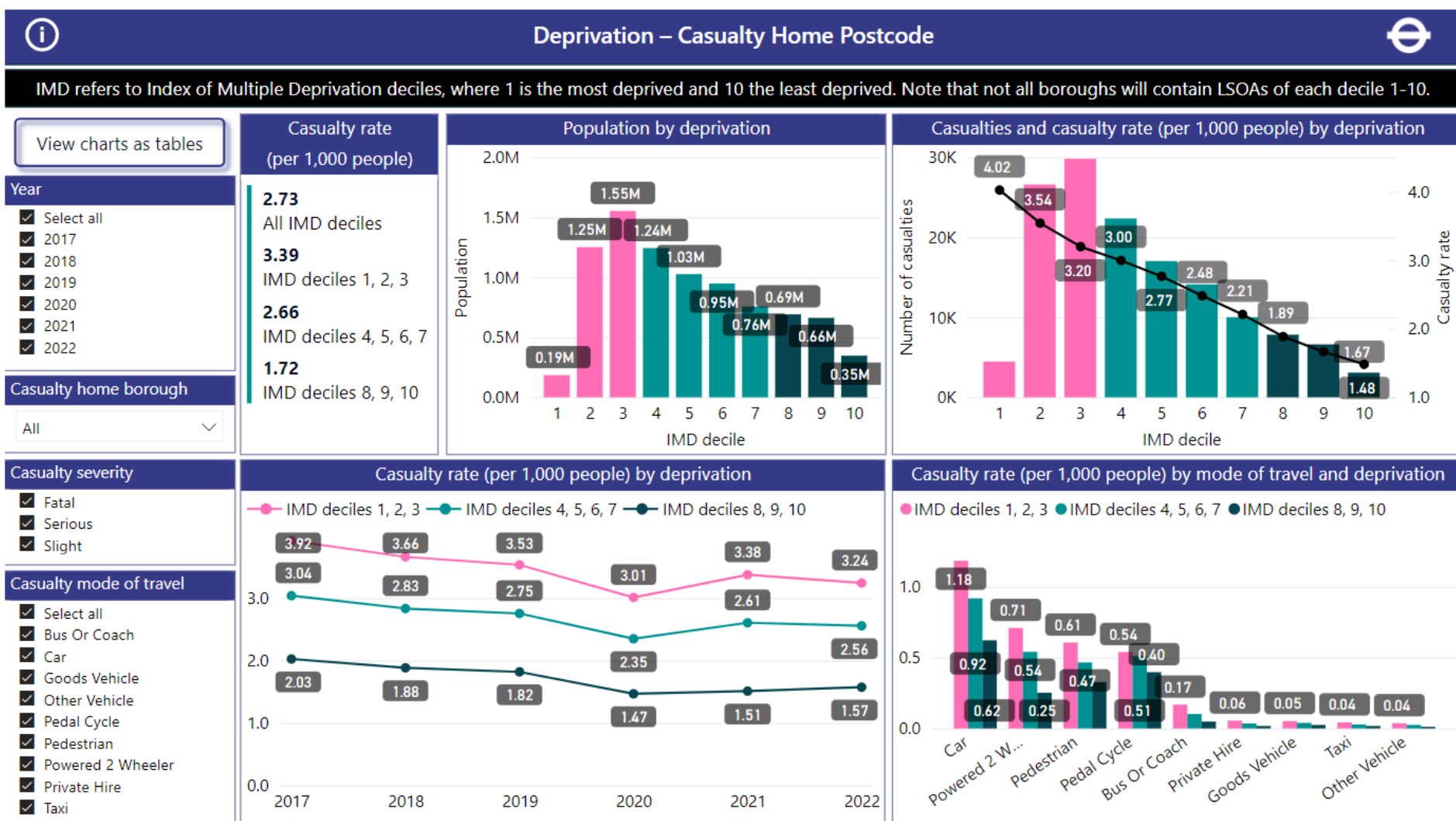
Written by: Lambeth Council

[News and announcements](#)

People who live in more deprived areas are nearly three times more likely to suffer an injury or be killed in a road accident, and Lambeth Council is determined to act and tackle this stark inequality with its new strategy.



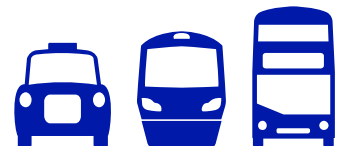
How do we better understand road risk?



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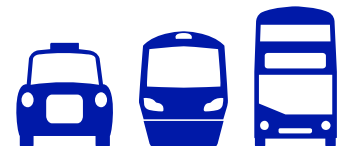
Are TfL's bus safety standards making buses safer?

- Developed by Transport Research Laboratory – vehicle design and safety system measure standard to make buses safer and reduce the number of bus-involved KSIs
- Multi-year plan to implement safety measures
- Now we need to answer the question: has it been effective?



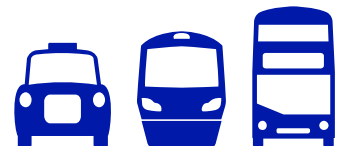
Are TfL's bus safety standards making buses safer?

- Evaluation of performance before and after measures introduced and vs non-BSS vehicles
- Normalisation of data to account for pandemic effects
- Two data sources: road safety data and bus safety data
- Statistical analysis comparing different cohorts exploring significant differences



How does (extreme) weather impact safety on the public transport network?

- Analysis of the relationship between extreme weather events and safety incidents on the public transport network
- Data linking: weather data and safety incident data
- Identifying types of incidents/locations/vulnerabilities across the network
- Future: hotspot mapping/spatial analysis, predictive analysis



Future areas of interest for uses of data

- Identifying hotspots
- Identifying risky cohorts for safety comms campaigns
- Predictive analysis to highlight risk before it happens
- Spatial analysis
- Data stories

