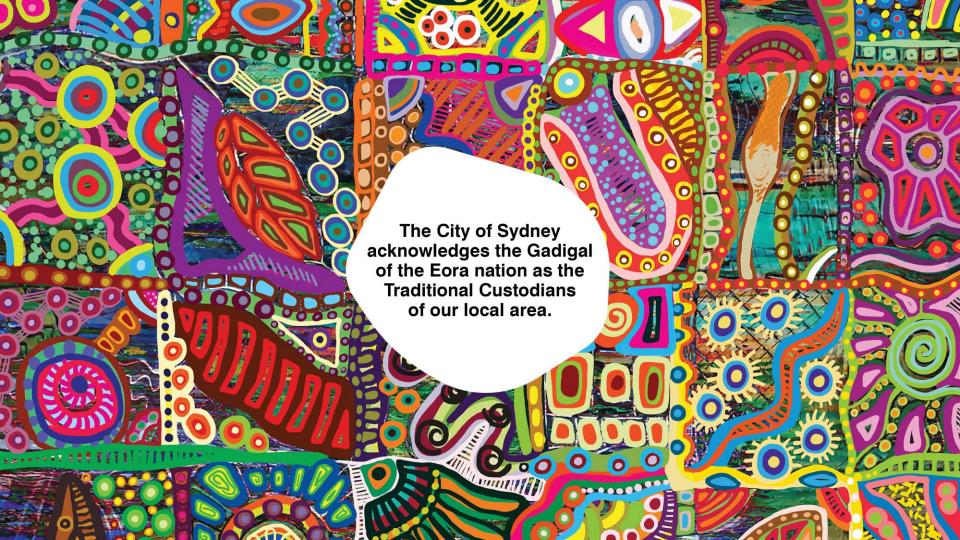


Safe Speeds

The role of speed reduction and lower speed limits in reducing road trauma

August 19 AITPM



Agenda

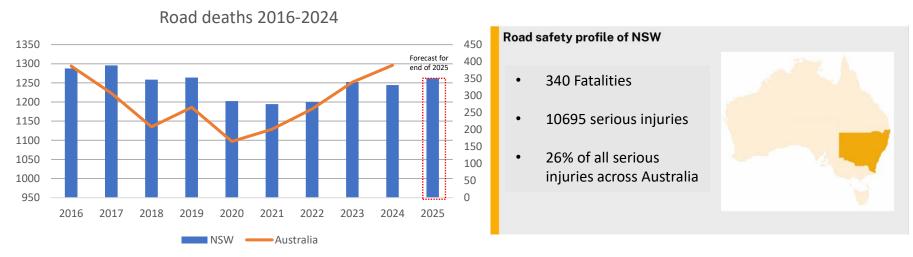
- 1. Road trauma trends
- 2. Road Safety Strategies
- 3. Supporting evidence
- 4. Implementing the NSW Government Road Safety Strategy
- 5. Implementing the City's Road Safety Strategy
- 6. Conclusions





Australian and NSW Road trauma trends are not decreasing

Road trauma is trending upwards

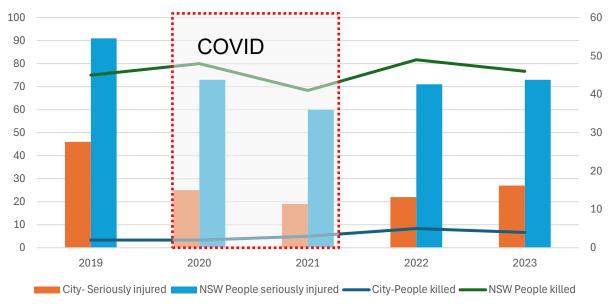


NSW and City of Sydney road trauma trends

People walking

- Road Trauma numbers have flatlined over the past 5 years
- More people walking are killed in the City of Sydney than any other I GA in NSW
- City has the second highest number of walking serious injuries in the NSW (After Canterbury Bankstown)

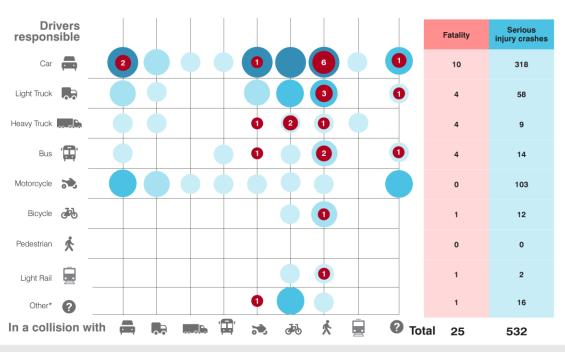
Road Trauma - People killed and seriously injured walking in NSW and the City of Sydney





Road trauma in the City of Sydney

Fatal and serious injury crashes in the City of Sydney LGA (2019-2023)



- People walking and riding are being killed by cars, trucks and buses
- Road trauma is the biggest killer of children
- Road trauma is preventable

Number of crashes involving fatalities



Number of serious injury crashes



Other*: Unknown or other motor vehicle Source: SSA from TFNSW



National Road Safety Strategy



Australian Government target by 2030 is to reduce fatalities by at least 50 % serious injuries by at least 30 %.







Zero deaths of children 7-years and under



Zero deaths on all national highways and on high-speed roads covering 80% of travel across the network



NSW Road Safety Strategy

By 2030 reduce fatal injuries by 50% and serious injuries by 30%

Safe systems approach:

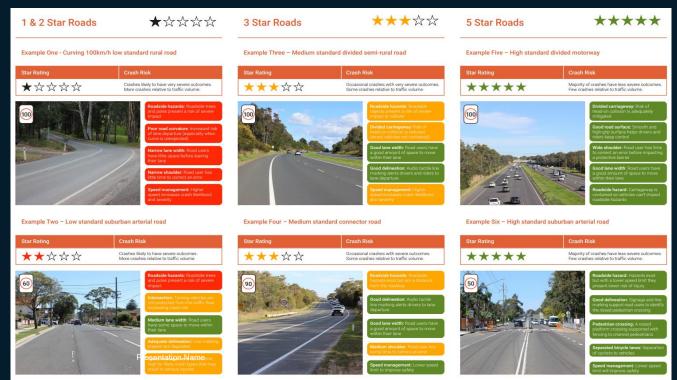
- Safer roads significant investment in building "safer" roads
- Safer people investment in road safety campaigns, training, road rules and Council Road safety officers
- Safer vehicles ongoing research into safer vehicles and regulation of vehicles
- **Safe speeds** speed zones reviewed consistent with speed zone guideline.





NSW Government AusRAP risk assessment

State Roads: 80% of State Roads rated 3 or more stars

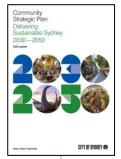


NSW
Government is using the AusRap risk assessment framework to understand performance of the state road network



City of Sydney Strategy

Community Strategic Plan Vision: a city for walking, cycling and public transport



2050 Outcomes

5.3 More people walk more, because walking is the most attractive and convenient choice for short trips in the local area

5.4 More people ride more, because it is an attractive, convenient and safe option for everyday transport

Action 15: Reducing vehicle speeds

The City will continue to work with the NSW Government to implement lower speed limits on roads across the City of Sydney. The priority is to have maximum 40km/h limits on all City of Sydney streets as soon as possible. In the city centre and other areas of high people activity, we would seek to reduce vehicle speeds to 30km/h or lower.



By Mid 2024 the City set 40km/h speed limits on all the roads it controls.

We are seeking TfNSW to set 40 km/h speed limit on all almost all state roads in our LGA (except motorways)



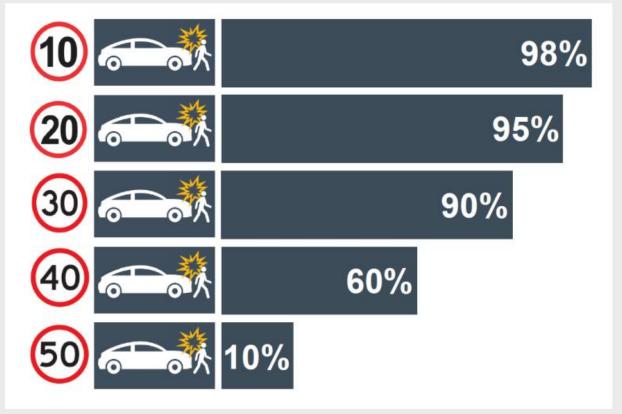


Supporting evidence for reducing urban speed limits



Chance of survival for pedestrians hit by a car

(Basic physics also applies to people inside a car)



Presentation Name



Australian and NSW Road Safety Strategy

Australian and NSW Government Investments

NSW and Australian Government Budget - Road safety

"This Budget continues investing in road safety with \$731.7 million in 2025-26 jointly with the Australian Government. This will provide thousands of kilometres of line markings, school safety infrastructure and crash barriers. \$1.2 Billion will be spent by NSW Government over 4 years to 28-29.

Budget estimates questions revealed:

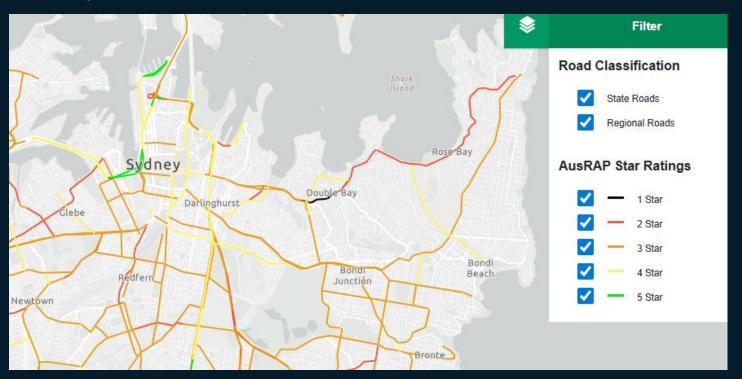
- The NSW Speed zone review program budget is \$5 million
- TfNSW completed **324 speed zone review** to March 2024/25- **259 in rural areas** and **65 in urban areas**





NSW Road Safety Strategy - AusRap assessment in the City

AusRap does not reflect road trauma risks for dense urban environments



NSW
Government 3
Star AusRAP
target has been
achieved or
exceeded in the
City

People walking and riding are still being killed and injured



Implementing the City's road safety approach

The City's safe systems approach

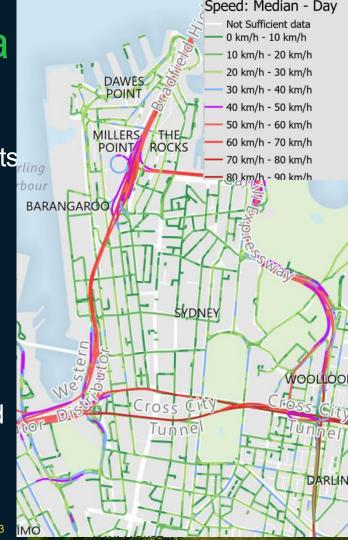
- Safer roads: Expensive some investment Eg: raised pedestrian crossings, separated cycleways.
- Safer vehicles: No control
- Safer people: Limited control, some investment eg: City supports a small behaviour change program through Road Safety officers
- Safer speeds: No control. TfNSW control speed limits on all streets

City advocates for reducing speed limits on streets because it is the least expense, fastest and most effective way to reduce road trauma – especially for people walking and riding.

Councils do not have sufficient funds to solve every road safety problem with a build solution.

City approach to implementing a road safety strategy

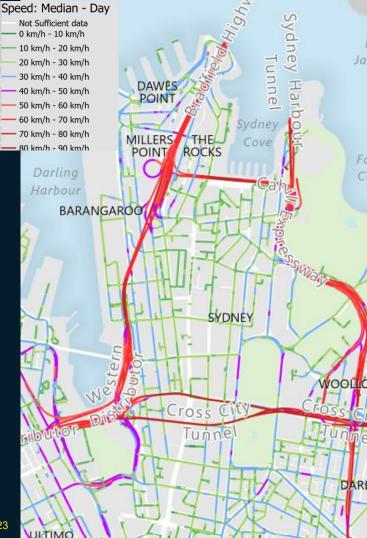
- 1. Build evidence about vehicle speed on City streets consistent with NSW speed zone guideline:
 - across whole street network
 - day, early evening and night speeds
 - average and 85% percentile speeds
- 2. Develop speed maps and assess streets
- 3. Influence TfNSW using evidence to reduce speed limits in CBD, other City centres and places of high pedestrian activity



Insights from measuring daytime speeds

85th percentile day (7am – 7pm) speeds

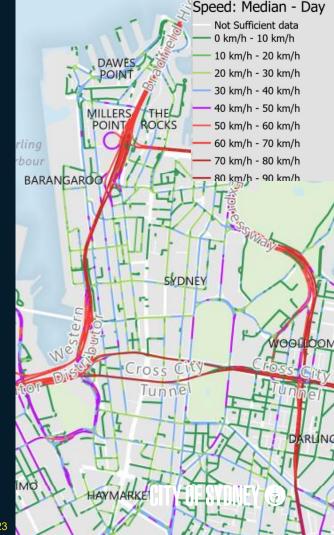
 Analysis of existing vehicle speeds within the Sydney city centre High Pedestrian Activity Area (HPAA) for 2023 show that the majority of streets within the HPAA currently have vehicle speeds 30km/hr or below.



Insights from measuring evening speed

85th Percentile evening (8pm–10pm) speeds

- On/off ramps to the Motorways, e.g.: Macquarie Street, show 85th percentile vehicles speeds of 40 km/hr to 50 km/hr.
- College Street, Elizabeth Street and Broadway show 40 km/hr to 50 km/hr speeds. These streets are all wide, straight streets, with minimal on street parking, long blocks between signals minimal signage and relatively low volumes of vehicles per lane.
- Wide sections of Sussex Street and Kent Street have pockets of vehicles traveling 40 km/hr to 50 km/hr.
- The median speed on these streets is 40 km/hr or below.



Conclusions

The City will continue to advocate for lower speed limits in the City centre and on streets with high people activity because:



- Reducing speeds reduces the likelihood of crashes as well as the injury severity. Reducing speed limits is the fastest, most effective and least expensive way to reduce trauma.
- Evaluating street speed is now cost effective and robust
- Lowering speeds limits in City will impact a few vehicles, BUT will have overall benefits for people walking (and riding) by reducing kinetic energy across the whole road system, reducing trauma
- Other Cities have achieved Vision Zero eg: Helskinki, speed limits are 30km/h or less





Questions?