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Crash Analysis System transport safety dashboards

Reason for inclusion in closed board meeting session	
1. Please state why this report is being considered in the closed board meeting as opposed to the open board meeting. Please refer to the 'reasons for confidentiality' and provide a direct reference to one of these reasons.	To protect confidentiality. Matters discussed may disclose detailed information obtained under an obligation of confidence related to data.
2. Please provide an estimated date for release of this report.	26 September 2023

Aronga / Purpose

1. To communicate the launch of the Crash Analysis System (CAS) transport safety dashboards, providing self-serve capability with up-to-date daily data. The dashboards track transport harm on the network, reporting deaths and serious injuries, contributing factors, road user types and behaviours, and several other attributes to analyse the information for management and operational purposes.

Te tūhunga / Recommendation

That the Auckland Transport Board (board):

- a) Note the imminent release of dashboards on Deaths and Serious Injuries (DSI) for internal use across Auckland Transport (AT).

Te horopaki / Background

2. Until now, the business has not had timely access and visibility of key transport safety data. This has led to a reactive, rather than proactive environment as well as reliance on multiple information sources which can cause confusion. Further, the processes to source data and develop insights for the business are time intensive and manual.
3. The issue is being addressed with the creation of self-serve dashboards that will help track transport safety outcomes and support evidence-based analysis and decision making, while creating sustainable and operationally efficient practices.

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Me mōhio koe / What you need to know

- 4. A soft release of the self-serve dashboards to a smaller business group was tested in August 2023 to support evidence-based decision support in business processes and planning. Full release to the business is planned for September 2023.

Ā muri ake nei / Next steps

- 5. The CAS data only encompasses road harm events where there has been an NZ Police response. To understand the true harm of our transport network, the next iteration will be to integrate transport harm insights from Accident Compensation Corporation (ACC), followed by Ministry of Health (MoH). This will be completed by early 2024.

Te whakapiringa / Attachment

Attachment number	Description
1	CAS transport safety dashboard

Te pou whenua tuhinga / Document ownership

Submitted by	Jacqui Madeiro Safety Portfolio Lead	
Recommended by	Melissa Song Head of Insights & Optimisation	
Endorsed by	Stacey van der Putten Executive General Manager Safety	

**Attachment 1 – Crash Analysis
System (CAS) transport safety dashboards**

Let's go there 

CAS transport safety dashboards

Context

Background and problem

- Safety is responsible for monitoring and evaluating performance across the Health and Safety at Work Act 2015, Safety Strategy, the Enterprise Business Plan (EBP), the Statement of Intent (SOI), the Regional Public Transport Plan (RPTP), road safety investment, Vision Zero, and Safety Business Improvement Review (BIR) outcomes.
- However, the business do not have timely access and visibility to key safety data. This leads to a more reactive rather than proactive environment. Further, the processes to source data and develop insights for the business are time intensive and manual.
- For transport safety, the key data source is from the Crash Analysis System (CAS).

Solution

- CAS transport safety dashboards: To develop self-serve dashboards sourcing daily data from CAS. The goal is the support transport outcomes, delivering self-serve evidence-based Power BI dashboards for analysis and decision making, while creating sustainable and operationally efficient practices. Note that we recognize vulnerable road users not using motorised vehicles are underreported in CAS.

Key progress and insights

CAS transport safety dashboards

- Self-serve dashboards and knowledge resources have been developed.
- Communications and drop-in sessions are being developed to support embedding change and promoting usage within the business, with full release to the business in September 2023.
- A soft release of the self-serve dashboards to a smaller business group was tested in August 2023 to support evidence-based decision support in business processes and planning.
 - We are working with Community Transport for NLTP submission, Road Safety Engineering for Local board briefings, Planning and Investment, Communications, Integrated Network Planning and more. We are planning to present the tool to all departments, to be used as reference information when developing their programmes, enabling them to analyse local insights to help develop evidence-based prioritisation criteria as we move towards Vision Zero outcomes.

Other initiatives

- A centralized hub to find enterprise shared self-serve Safety Division dashboards has been created (MS App).
- To understand “true harm” in the network with known underreporting in CAS data, we have requested 10 weeks resource support, and gained approval in late August. The resource will support development of transport harm insights from Accident Compensation Corporation (ACC), followed by Ministry of Health (MoH) time permitting.

CAS transport safety dashboards

Official point of information for tracking DSI numbers against our statement of intent targets. Also contains table of Social Cost per fatality and serious injuries released by the Ministry of Transport (MoT).

Illustrates statistical graphs on the performance of deaths and serious injuries over the years and current year by road user type i.e., cyclist, pedestrian etc., by crash movement type, speed, alcohol/drugs, etc.

Illustrates statistical graphs and tables on the performance of deaths and serious injuries for each Local Board area over the past five years.

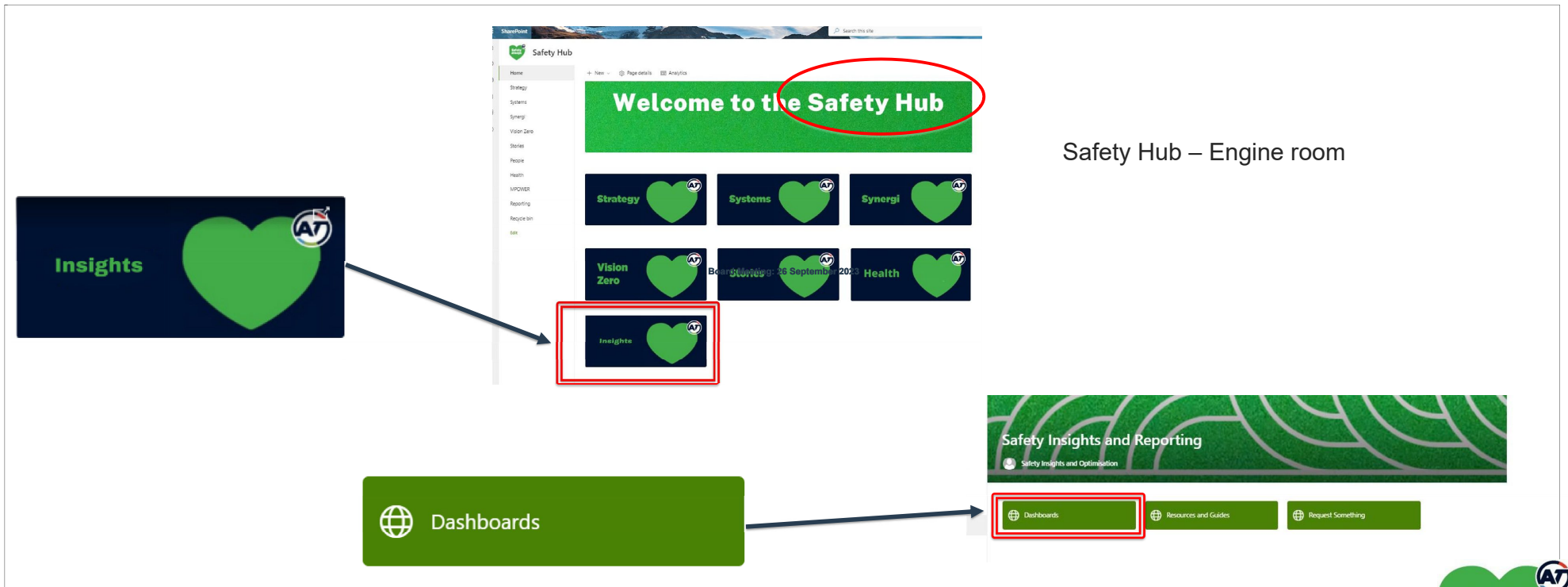
Safety teams tool for reporting to the Board. Executive Leadership Team, Transport Infrastructure Committee and Safety Committee.

For people leaders to manage and monitor all safety, health and wellbeing cases in their teams and provide them with insights for decision making.



CAS transport safety dashboards

Where to find them?



Safety Hub – Engine room