

HOW-TO GUIDE

Key Occurrences

February 2025



This page shows the most recent 12 months of the reporting period. To customise the date range, click on this button (see p3 for details)

Key Occurrences

Date range (most recent 12 months)
1/01/2024 - 31/12/2024

To view data for customised date range, click here

To access the data download file(s), click on this button



Summary - Total Occurrences - Category A and Category B

Click on the icon for each category below to see more detail.

A

Category A
799

B

Category B
5,012

Under Rail Safety National Law, rail transport operators must report certain occurrences. A 'notifiable occurrence' is defined under s4 of the RSNL as an accident or incident associated with railway operations that has, or could have, caused significant property damage, serious injury or death. Category A occurrences must be reported immediately. Category B occurrences must be reported within 72 hours of the occurrence.

Click either of these buttons to access more detail about Cat A or Cat B occurrences (see p4 for details)

Key Occurrences

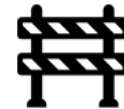
Click on the icon for each occurrence type below to see more detail.



Running line collisions
216



Running line derailments
64



Runaways
23



Level crossing collisions
54



Level crossing near hits
888



Proceed authorities exceeded
1,009



Rolling stock irregularities
1,246





Track irregularities
652




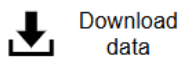


Person / train interface
223

Click any of these buttons to access more detail about the various types of occurrences (see p5-8 for details)

Key Occurrences

Home (navigates to report home page)  

Select start date: 1/07/2022  Select end date: 31/12/2024   

Date range filter










- > Select start and end dates using dropdown date filters.
- > Clear filters to show full reporting period by clicking on the eraser icon.

Summary - Total Occurrences - Category A and Category B Click on the icon for each category below to see more detail.

A	Category A 2,094	B	Category B 13,651
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Under Rail Safety National Law, rail transport operators must report certain occurrences. A 'notifiable occurrence' is defined under s4 of the RSNL as an accident or incident associated with railway operations that has, or could have, caused significant property damage, serious injury or death. Category A occurrences must be reported immediately. Category B occurrences must be reported within 72 hours of the occurrence.

Key Occurrences Click on the icon for each occurrence type below to see more detail.

	Running line collisions 571		Running line derailments 223		Runaways 75
	Level crossing collisions 142		Level crossing near hits 2,239		Proceed authorities exceeded 2,599
	Rolling stock irregularities 2,971		Track irregularities 2,182		Person / train interface 491

Back (navigates to previous page in report)

Category A or Category B Page

(note that the image shows category A, but the tips apply to both)

Key Occurrences: Category A Occurrences

A 2,094

Select start date: 1/07/2022

Select end date: 31/12/2024

Date range filter

- > Select start and end dates using dropdown date filters.
- > Clear filters to show full reporting period by clicking on the eraser icon.

Download data

Category A occurrences by state / territory

State / Territory	Occurrences
ACT	7
NSW	403
NT	7
QLD	280
SA	104
TAS	16
VIC	1,033
WA	244

Category A occurrences - top 10 occurrence types

Occurrence Type	Occurrences
Proceed Authority Exceeded	580
Collision	478
Person/Train Interface	476
Network Rule or Procedure Breach	236
Derailment	198
Wrong Side Failure	80
Fatality or Serious Injury	71
Near Hit	70
Track Irregularity	61
Incident Directly Threatening Safety	43

Occurrence count

Quarter	Occurrences
2022-Q3	154
2022-Q4	186
2023-Q1	231
2023-Q2	226
2023-Q3	260
2023-Q4	238
2024-Q1	251
2024-Q2	218
2024-Q3	186
2024-Q4	144

Running Line Derailments or Runaways Page

(note that the image shows runaways, but the tips apply to both)

Key Occurrences: Runaways



Occurrence count
73



Select start date

1/07/2022

Select end date

31/12/2024



Date range filter

- > Select start and end dates using dropdown date filters.
- > Clear filters to show full reporting period by clicking on the eraser icon.

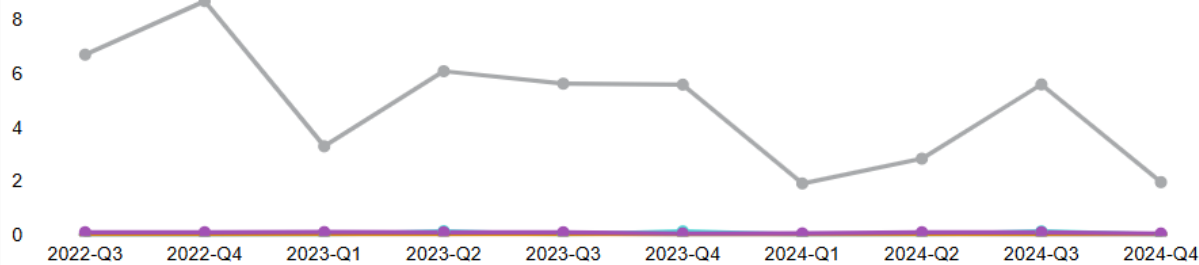


Download data

Occurrence rate per million train km

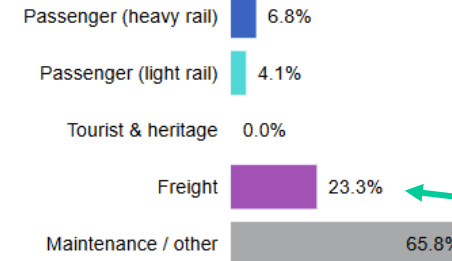
(train km used are those relevant to the train type, e.g. freight train km for freight trains)

Train type — Passenger (heavy rail) — Passenger (light rail) — Tourist & heritage — Freight — Maintenance / other



Occurrence count by train type

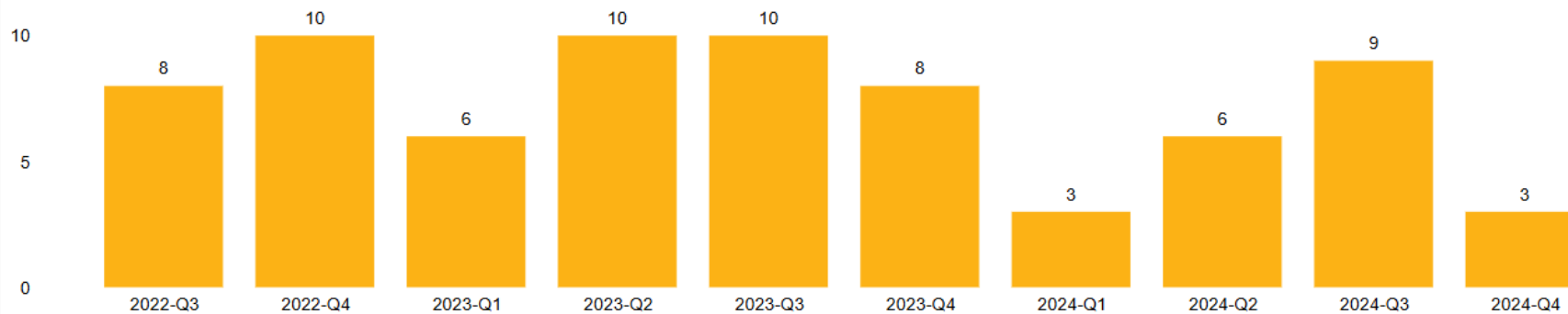
(click on bar or label to filter other visuals, use ctrl for multi-select)



Train type filter

- > Click on a bar or label to filter other visuals to show data for a particular train type.
- > Use CTRL to select more than one.
- > Click anywhere in the white space of this visual to clear the filter.

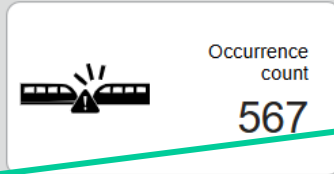
Occurrence count



Running Line Collisions, Level Crossing Collisions or Level Crossing Near Hits Page

(note that the image shows running line collisions, but the tips apply to all)

Key Occurrences: Running Line Collisions

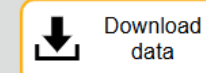


Select start date: 1/07/2022

Select end date: 31/12/2024

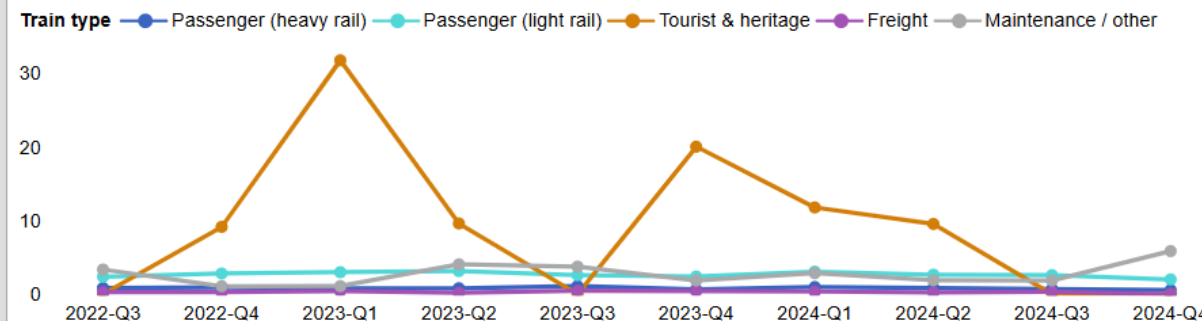
Select collision object(s), use ctrl for multi-select

- Select all
- Train/rolling stock
- Person
- Vehicle
- Rail infrastructure
- Other object



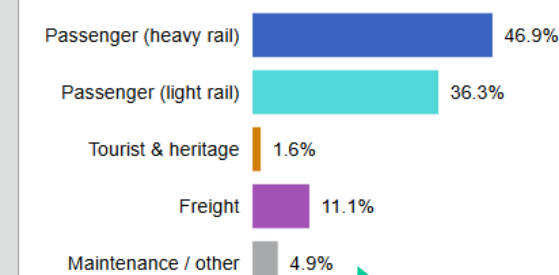
Occurrence rate per million train km

(train km used are those relevant to the train type, e.g. freight train km for freight trains)



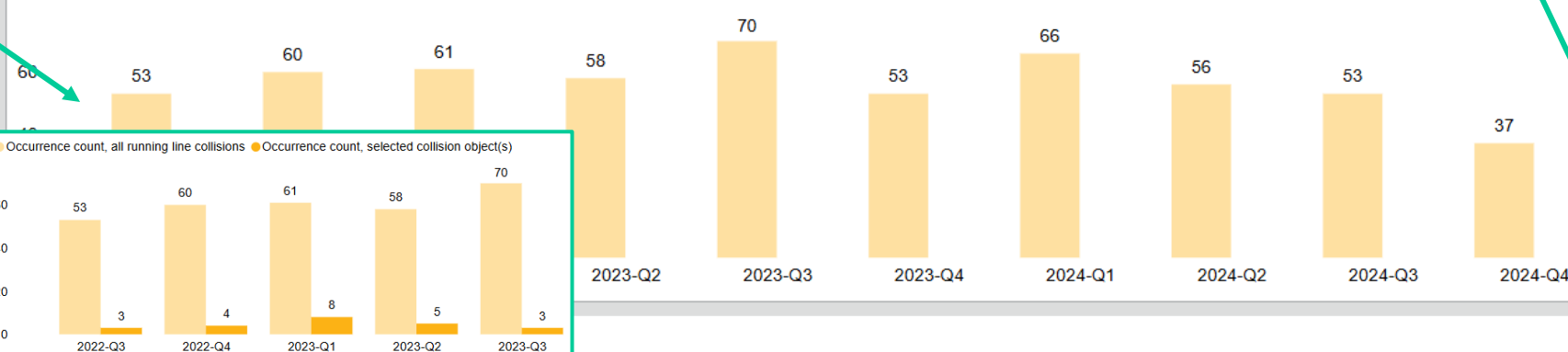
Occurrence count by train type

(click on bar or label to filter other visuals, use ctrl for multi-select)



Occurrence count

Occurrence count, all running line collisions (light orange bar)
Occurrence count, selected collision object(s) (dark orange bar)



Date range filter

- > Select start and end dates using dropdown date filters.
- > Clear filters to show full reporting period by clicking on the eraser icon.

This chart shows one series of columns representing all collisions (or near hits) when no particular collision (or near hit) object is selected. When a collision object is selected using the filter above, the chart shows a second series of columns for that collision object.

Collision object filter

- > Click on a button to select a particular collision (or near hit) object.
- > Use CTRL to select more than one.
- > Click again on the button to deselect
- > Note that when no selection is made, all options are included in the data presented.

Train type filter

- > Click on a bar or label to filter other visuals to show data for a particular train type.
- > Use CTRL to select more than one.
- > Click anywhere in the white space of this visual to clear the filter.

Proceed Authorities Exceeded, Rolling Stock Irregularities or Person / Train Interface Incidents Page

(note that the image shows proceed authorities exceeded, but the tips apply to all)

Key Occurrences: Proceed Authorities Exceeded (PAEs)



Date range filter

- > Select start and end dates using dropdown date filters.
- > Clear filters to show full reporting period by clicking on the eraser icon.

This chart shows one series of columns representing all PAEs (or irregularities or incidents) when no particular detail item is selected. When a PAE type (or irregularity type or incident type) is selected using the filter above, the chart shows a second series of columns for that detail item.

Occurrence count
2,572

Select start date: 1/07/2022

Select end date: 31/12/2024

Select PAE type(s), use ctrl for multi-select

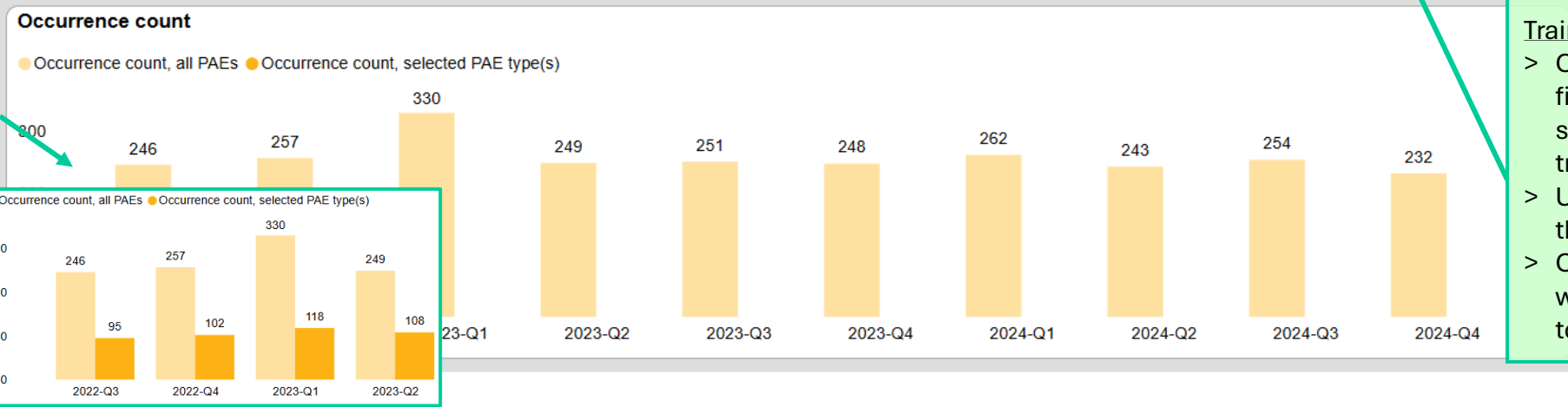
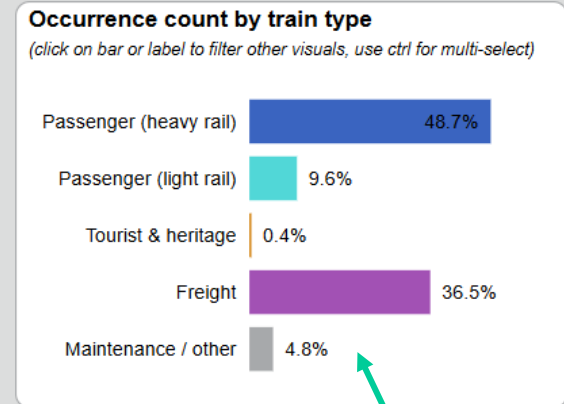
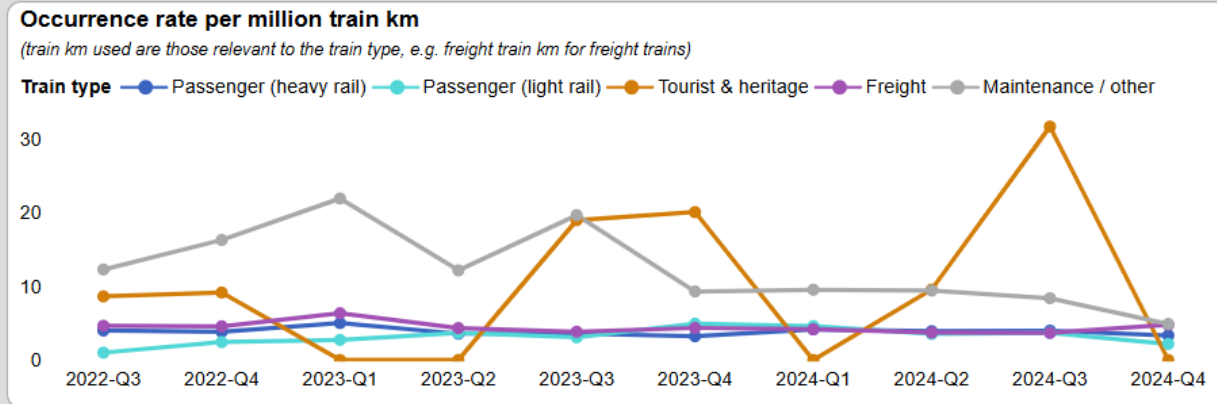
Select all Driver related Infrastructure related

Network control related Other

Download data

Detail filter

- > Click on a button to select a particular PAE type (or irregularity type or incident type).
- > Use CTRL to select more than one.
- > Click again on the button to deselect
- > Note that when no selection is made, all options are included in the data presented.



Train type filter

- > Click on a bar or label to filter other visuals to show data for a particular train type.
- > Use CTRL to select more than one.
- > Click anywhere in the white space of this visual to clear the filter.

Key Occurrences: Track Irregularities



Occurrence count
2,182



Select start date

1/07/2022

Select end date

31/12/2024

Select track irregularity type(s), use ctrl for multi-select

Select all

Broken rail / defect

Horizontal / vertical misalignment

Spread / narrow track

Points irregularity

Other

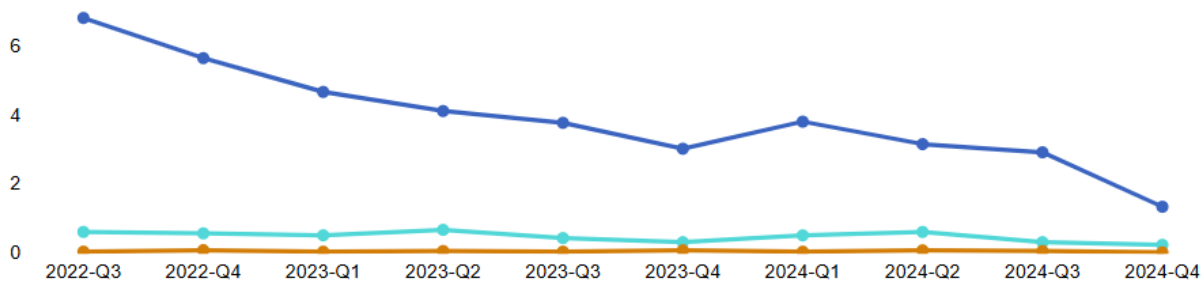


Download data

Occurrence rate per thousand track km

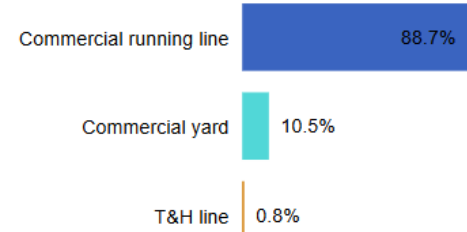
(total track km used for each line type)

Line type — Commercial running line — Commercial yard — T&H line



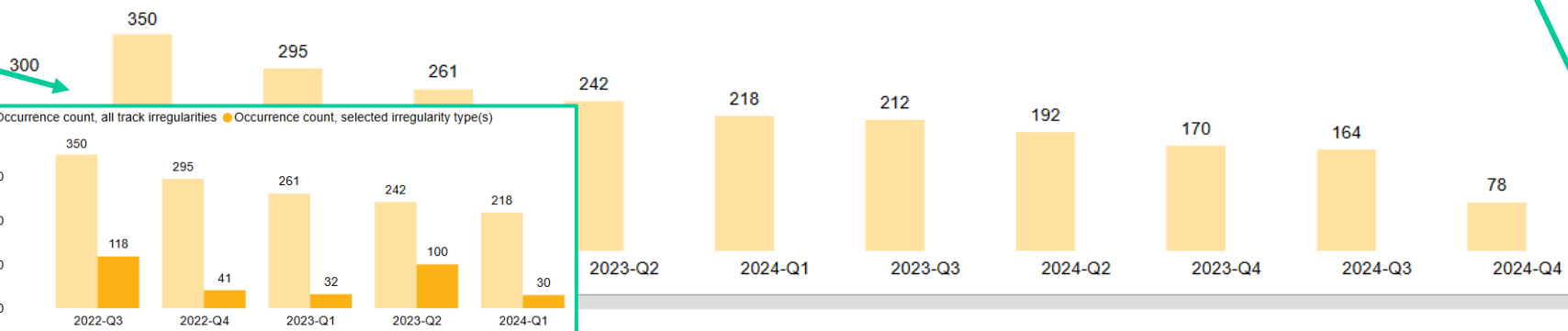
Occurrence count by line type

(click on bar or label to filter other visuals, use ctrl for multi-select)



Occurrence count

● Occurrence count, all track irregularities ● Occurrence count, selected irregularity type(s)



Date range filter

- > Select start and end dates using dropdown date filters.
- > Clear filters to show full reporting period by clicking on the eraser icon.

This chart shows one series of columns representing all track irregularities when no particular irregularity type is selected. When an irregularity type is selected using the filter above, the chart shows a second series of columns for that detail item.

Irregularity type filter

- > Click on a button to select a particular irregularity type.
- > Use CTRL to select more than one.
- > Click again on the button to deselect
- > Note that when no selection is made, all options are included in the data presented.

Line type filter

- > Click on a bar or label to filter other visuals to show data for a particular line type.
- > Use CTRL to select more than one.
- > Click anywhere in the white space of this visual to clear the filter.