

HOW-TO GUIDE

Key Occurrences – Power BI Report

November 2025



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REFRESH

Refreshing the web browser will navigate back to the home page.



TOOLTIPS

Hover over buttons, charts and other visuals as there may be additional information that appears as a tooltip.



INFORMATION

Hover over information icons to see a definition or an explanation of a report feature.



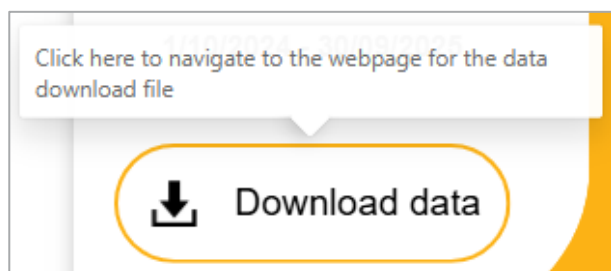
HOME

Most pages of the report (except the home page) have a home button in the top right corner to navigate to the home page.



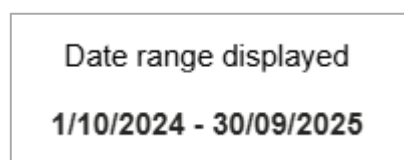
BACK

Most pages of the report (except the home page) have a back button in the top right corner to navigate to the last page viewed.



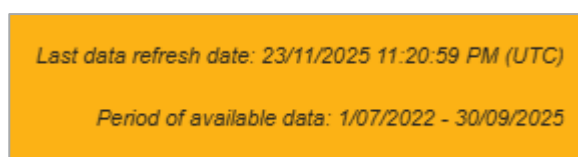
DOWNLOAD DATA

Every page of the report has a download data button in the bottom left corner to navigate to the ONRSR website page where the data download file is located.



DATE RANGE DISPLAYED

Every page shows the date range displayed in the charts determined by any filters applied.



METADATA

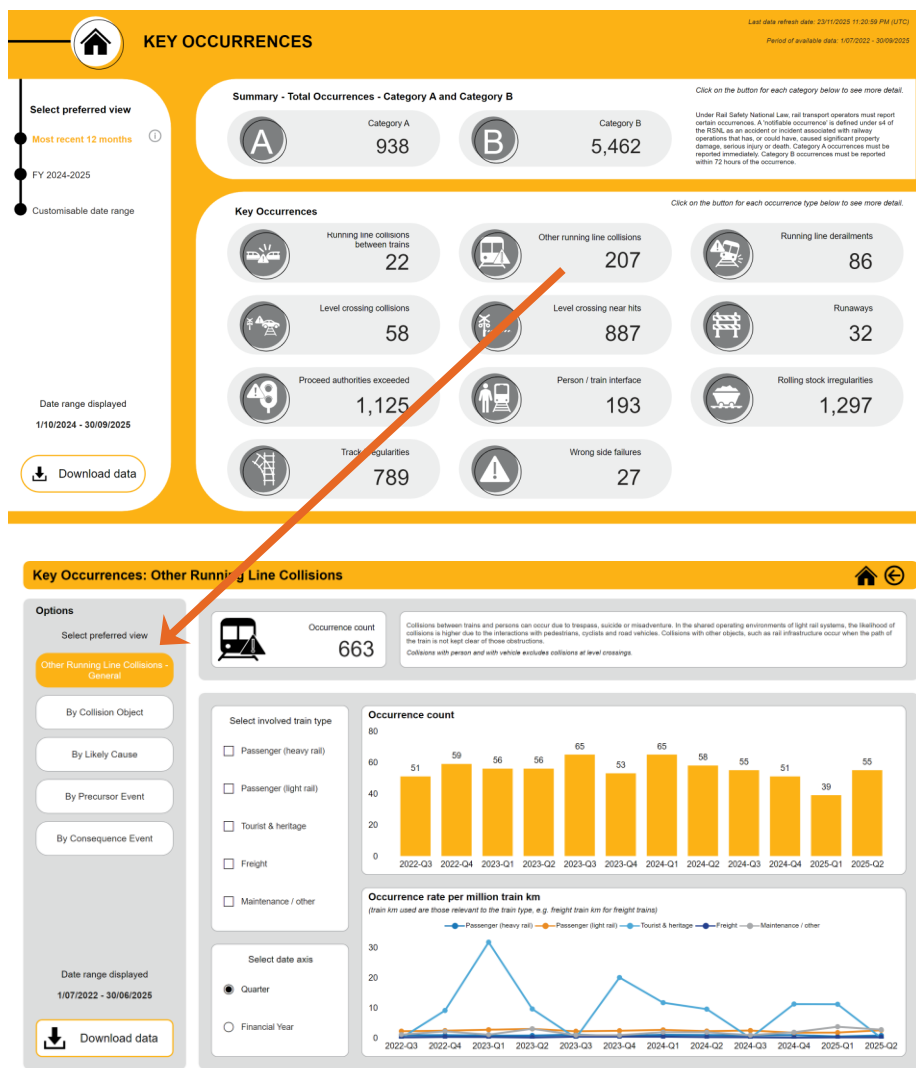
The home pages provide information about the last time the data was refreshed with updates from the data base and the full period of data that is available in the report.

Home page

This is the ‘Home’ page. The home page has two functions:

- (1) To provide a high-level summary of the information contained in the report;
- (2) To provide a starting point to navigate to the more detailed pages.

Each of the grey buttons in the main panels of the page will navigate to pages with more detail and exploration options.

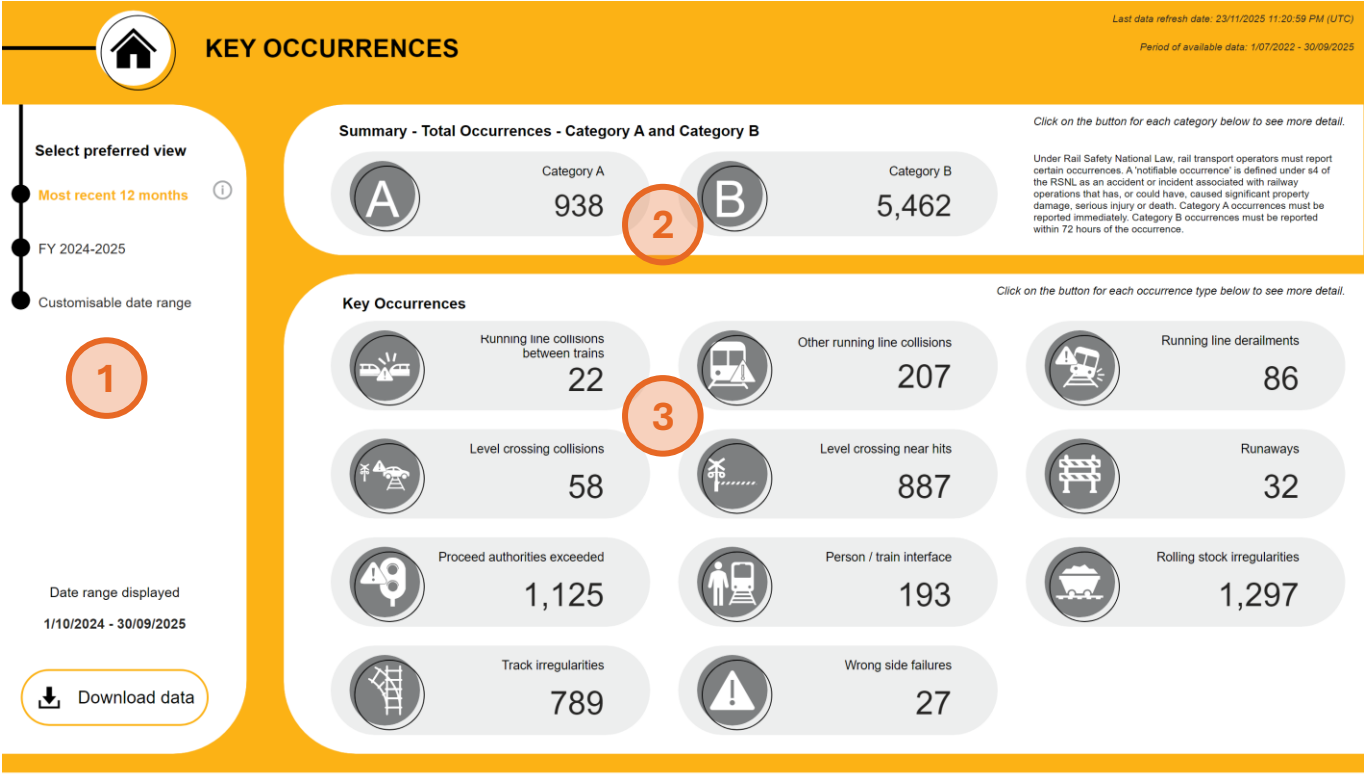


Occurrence Type pages

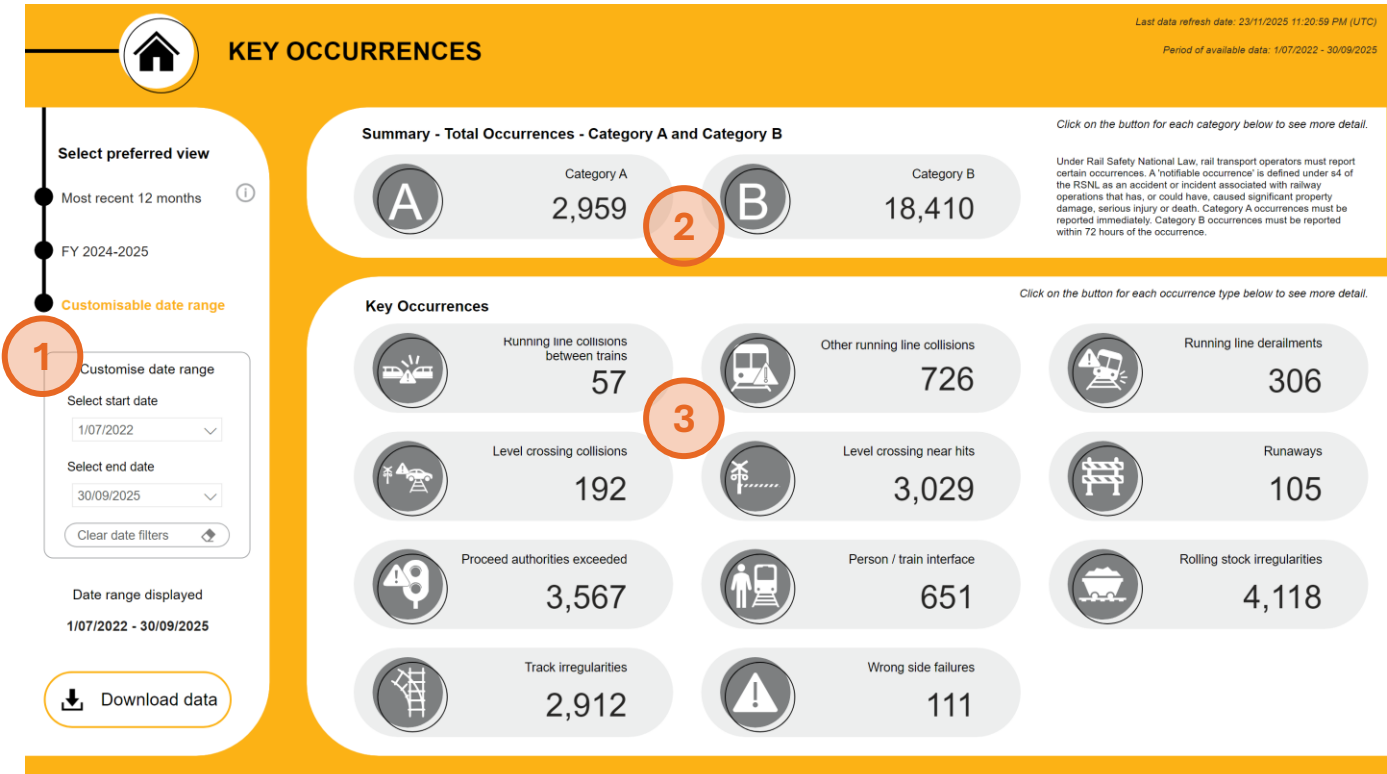
The report has a series of pages providing more detailed information for various occurrence types. These are accessed by clicking on the grey occurrence type buttons on the home page. The user is presented with additional view options, relevant to the occurrence type, such as ‘By Likely Cause’, ‘By Consequence Event’. These can be selected from the Options panel on the left-hand side of the page.

The various feature of the different report pages are explained in the following sections.

View(s): Most recent 12 months; FY 2024-2025



View(s): Customisable date range



- 1

Date range filter

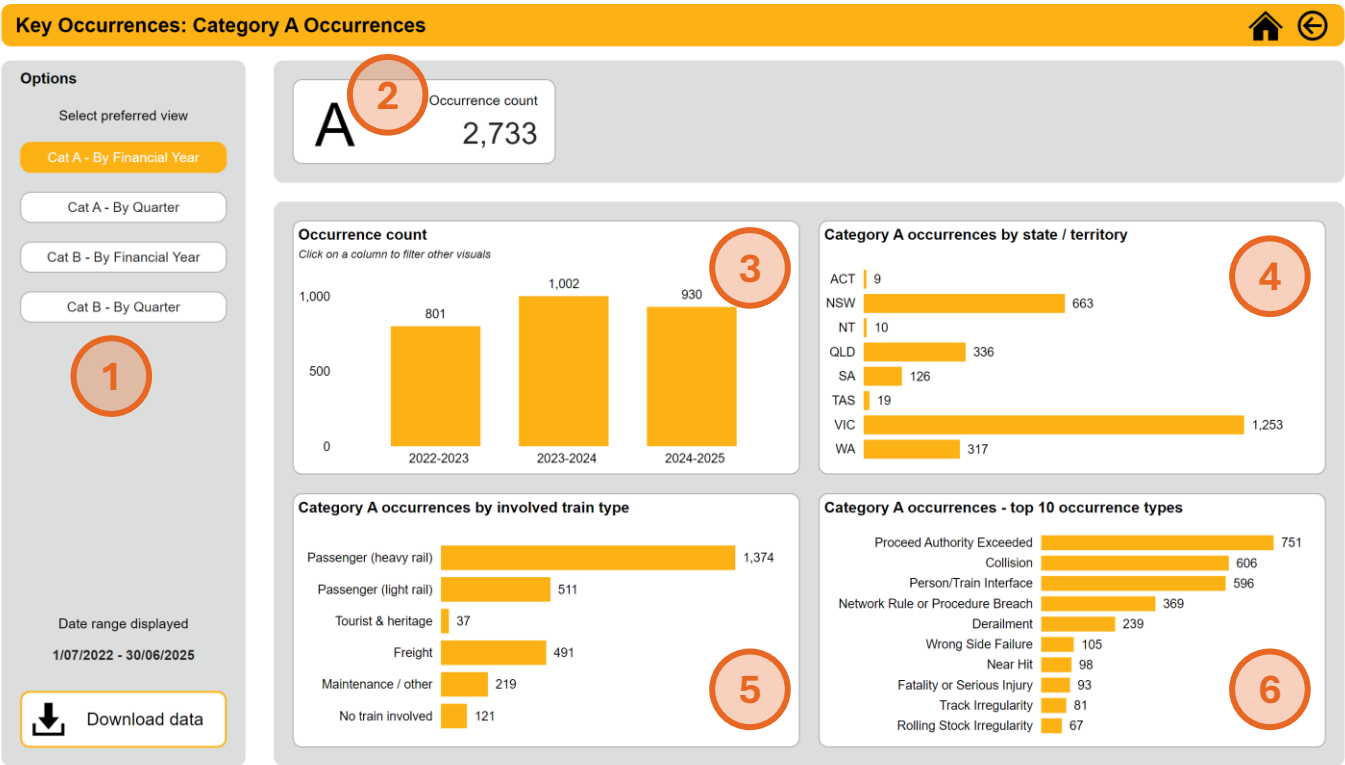
 - > Select start and end dates using dropdown date filters.
 - > Clear filters to show full reporting period by clicking on the ‘Clear date filters’ button.
- 2

Click either of these buttons to access more detail about Cat A or Cat B occurrences (see p7-8 for details)
- 3

Click any of these buttons to access more detail about the various types of occurrences (see p9-19 for details)

Key Occurrences: Category A (or Category B)

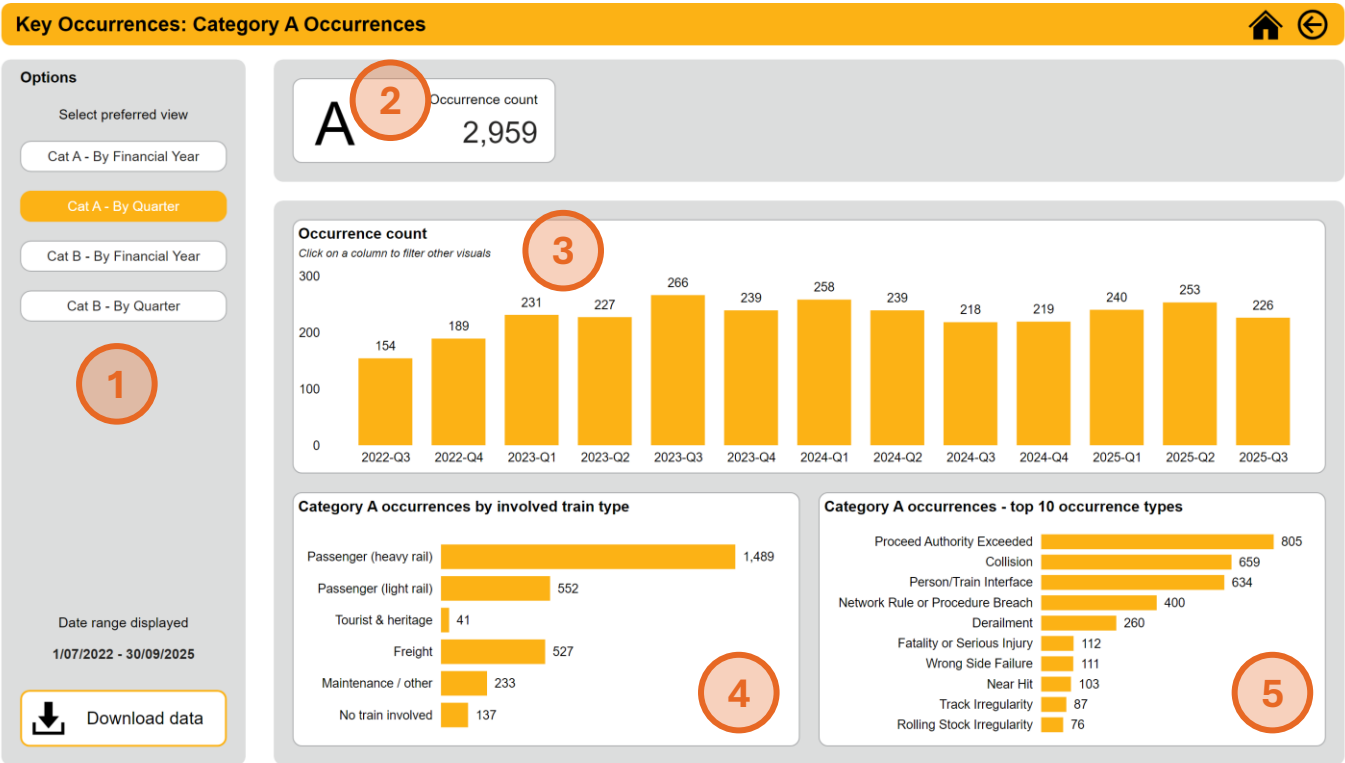
View(s): By Financial Year



- 1
- Use these buttons to toggle between Cat A and Cat B occurrences and either a financial year breakdown or a quarterly breakdown.
- 2
- Total number of Category A (or B) occurrence for the filters / options selected
- 3
- Shows the number of Category A (or B) occurrences for each financial year. Click on a column in this chart to filter the other charts on the page. Click on the column again to clear the filter.
- 4
- Shows the number of Category A (or B) occurrences for each state / territory
- 5
- Shows the number of Category A (or B) occurrences by the involved train type
- 6
- Shows the top 10 occurrences types for Category B A (or B) occurrences

Key Occurrences: Category A (or Category B)

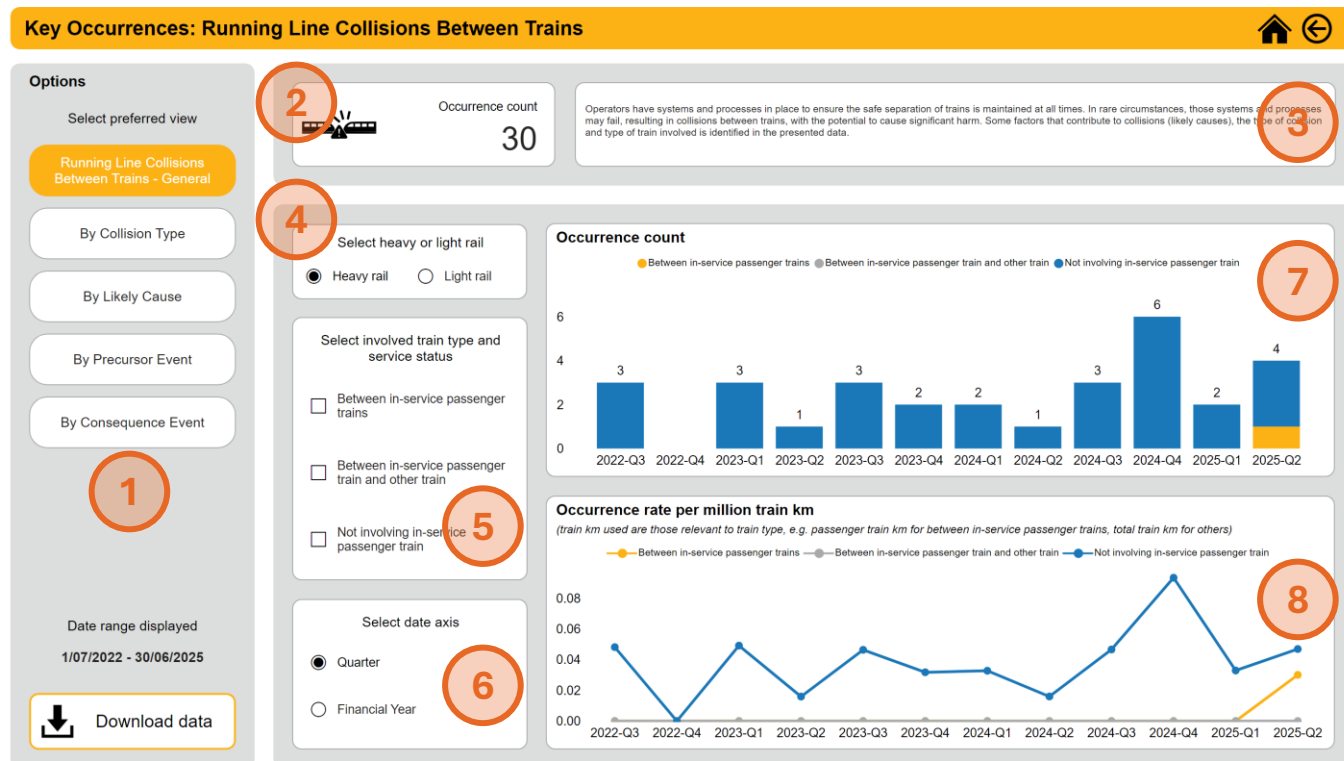
View(s): By Quarter



- 1
- Use these buttons to toggle between Cat A and Cat B occurrences and either a financial year breakdown or a quarterly breakdown.
- 2
- Total number of Category A (or B) occurrence for the filters / options selected
- 3
- Shows the number of Category A (or B) occurrences for each quarter. Click on a column in this chart to filter the other charts on the page. Click on the column again to clear the filter.
- 4
- Shows the number of Category A (or B) occurrences by the involved train type
- 5
- Shows the top 10 occurrences types for Category A (or B) occurrences

Key Occurrences: Running Line Collisions Between Trains

View(s): General



1

Use these buttons to toggle between different occurrence details for the occurrence type

2

Total number of occurrences for the filter / options selected

3

Description / definition of the occurrence type

4

Use this filter to switch between heavy rail and light rail

5

Use this filter to select the service status of the involved trains. Multi-select is possible. No boxes ticked means all are selected.

6

Use this filter to change the x-axis of the charts – choose between quarters and financial years.

7

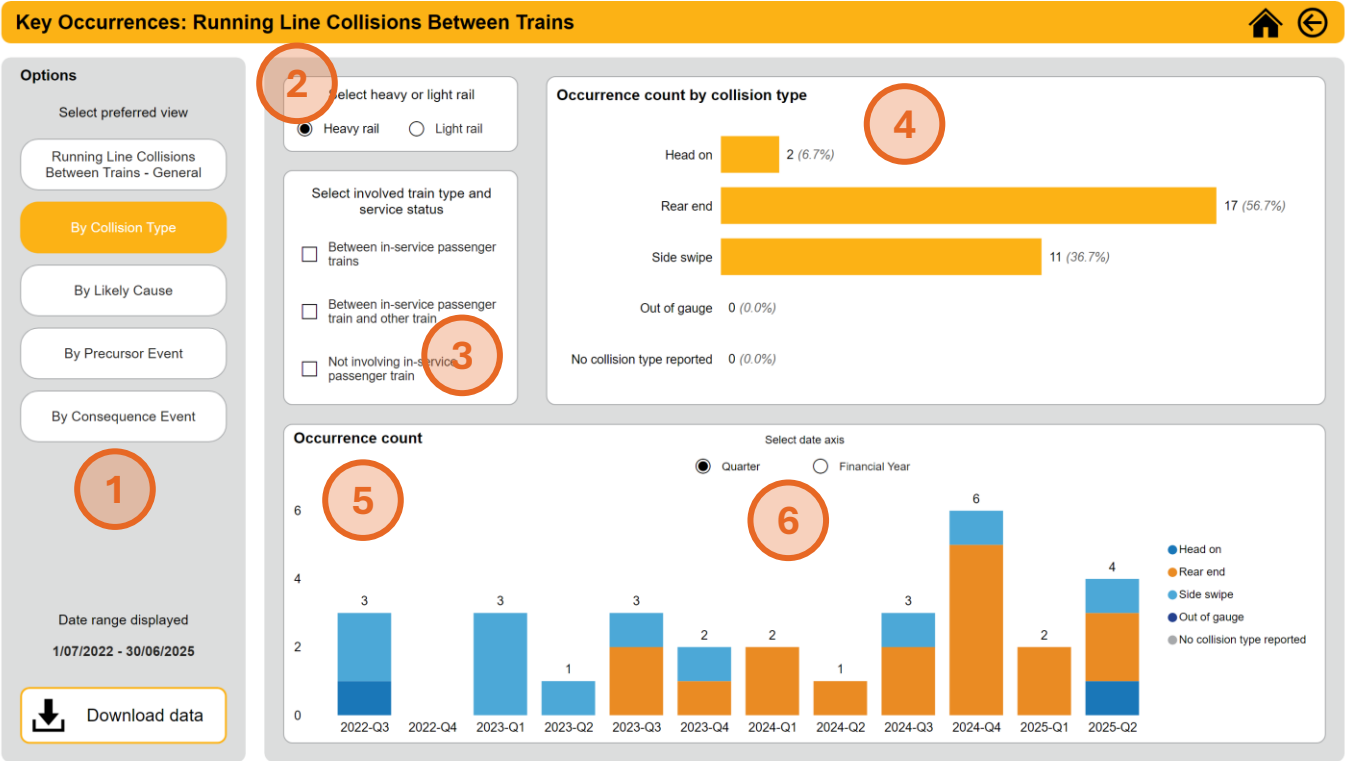
Shows the occurrence count over time

8

Shows the occurrence rate per million train km over time

Key Occurrences: Running Line Collisions Between Trains

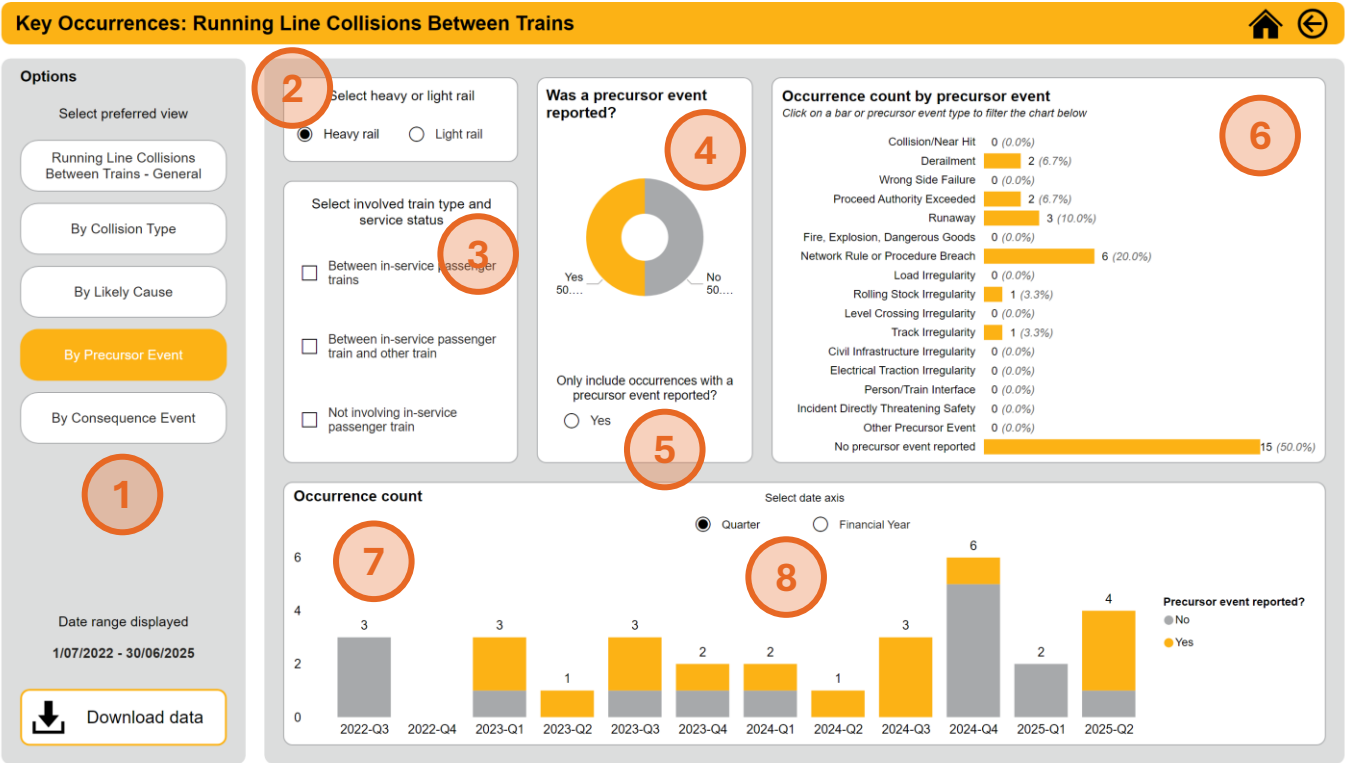
View(s): By Collision Type; By Likely Cause



- 1 Use these buttons to toggle between different occurrence details for the occurrence type
- 2 Use this filter to switch between heavy rail and light rail
- 3 Use this filter to select the service status of the involved trains. Multi-select is possible. No boxes ticked means all are selected.
- 4 Shows the number of occurrences for each collision type (or likely cause)
- 5 Shows the occurrence count over time with detail for each collision type (or likely cause)
- 6 Switch between a breakdown by quarter or financial year; this functionality changes the x-axis of the chart.

Key Occurrences: Running Line Collisions Between Trains

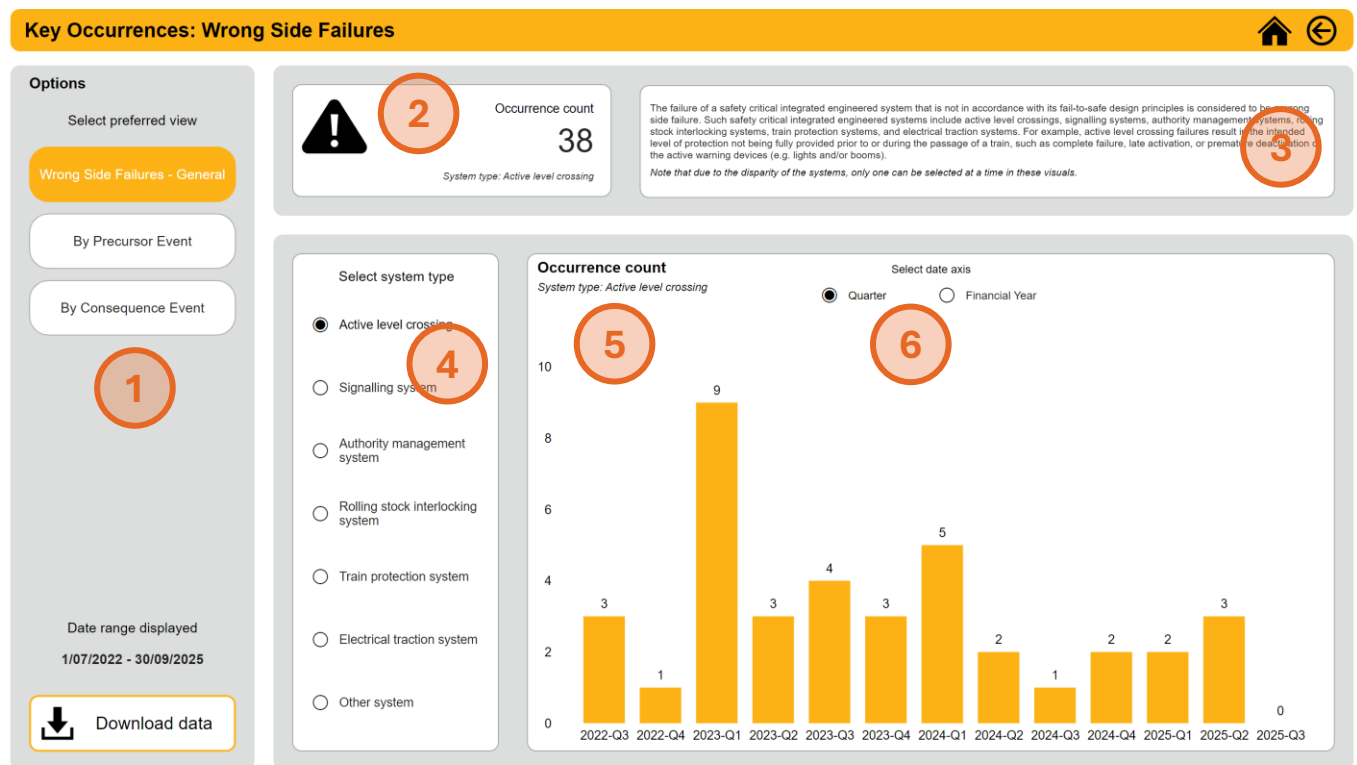
View(s): By Precursor Event; By Consequence Event



- 1 Use these buttons to toggle between different occurrence details for the occurrence type
- 2 Use this filter to switch between heavy rail and light rail
- 3 Use this filter to select the service status of the involved trains. Multi-select is possible. No boxes ticked means all are selected.
- 4 Shows the proportion of occurrences of this occurrence type that have a precursor event (or consequence event) reported
- 5 Use this slicer to filter the other visuals to show only those occurrences that have a precursor event (or consequence event) reported
- 6 Shows the number of occurrences for each precursor event (or consequence event). Use this chart to filter the time series chart below. Click on a bar to select, then click on it again to deselect.
- 7 Shows the occurrence count over time
- 8 Switch between a breakdown by quarter or financial year; this functionality changes the x-axis of the chart.

Key Occurrences: Wrong Side Failures

View(s): General



1

Use these buttons to toggle between different occurrence details for the occurrence type

2

Total number of occurrences for the filter / options selected

3

Description / definition of the occurrence type

4

Use this filter to switch between the various system types. Multi-select is not possible.

5

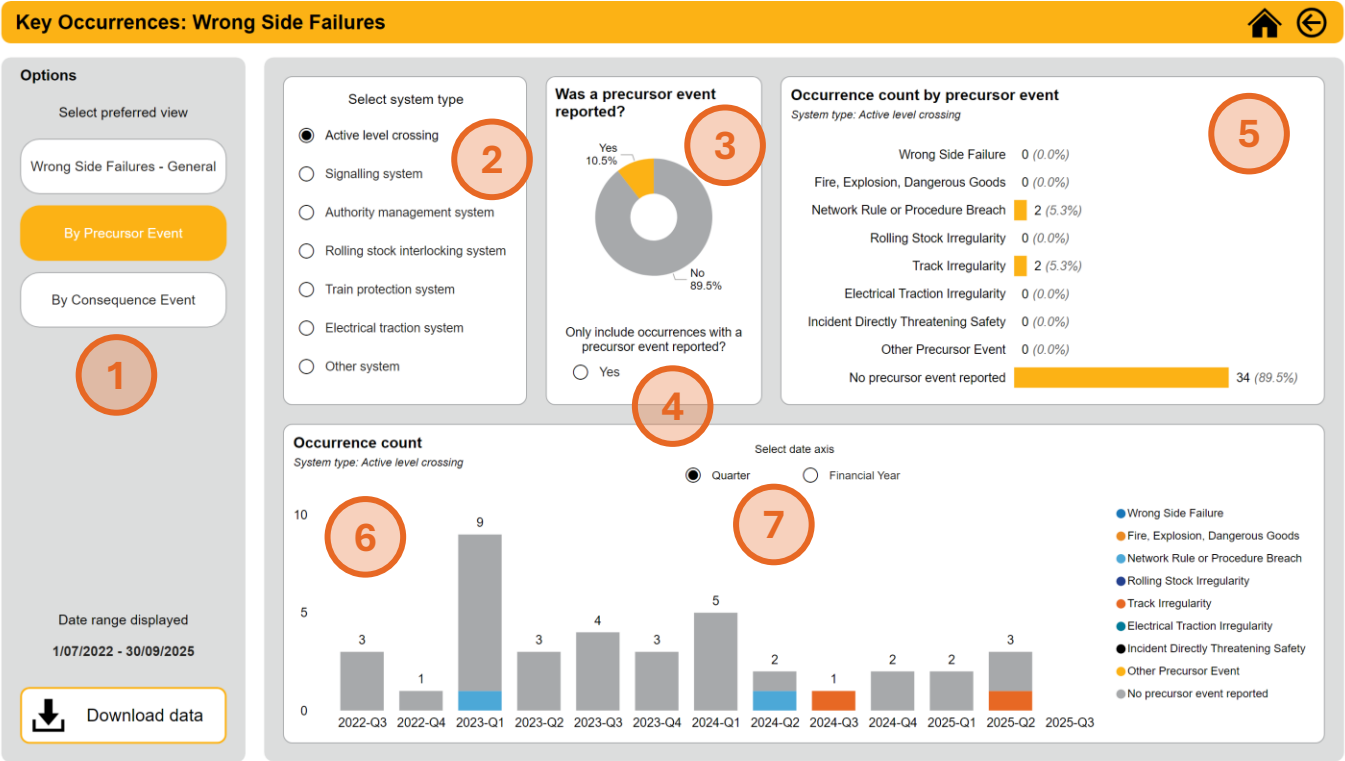
Shows the occurrence counts over time for the selected system type

6

Switch between a breakdown by quarter or financial year; this functionality changes the x-axis of the chart.

Key Occurrences: Wrong Side Failures

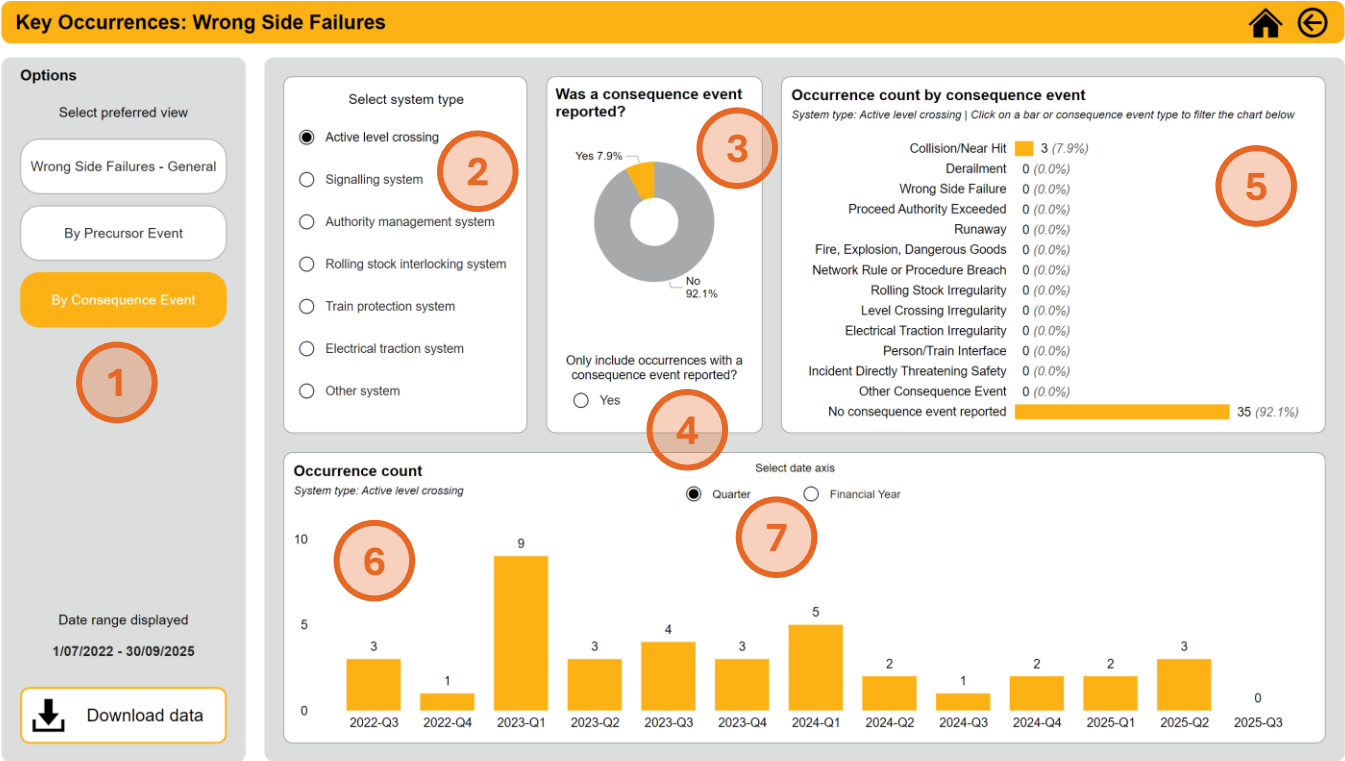
View(s): By Precursor Event



- 1 Use these buttons to toggle between different occurrence details for the occurrence type
- 2 Use this filter to switch between the various system types. Multi-select is not possible.
- 3 Shows the proportion of occurrences of this occurrence type that have a precursor event reported
- 4 Use this slicer to filter the other visuals to show only those occurrences that have a precursor event reported
- 5 Shows the number of occurrences for each precursor event for the selected system type
- 6 Shows the occurrence count over time for the selected system type with detail for each precursor event type
- 7 Switch between a breakdown by quarter or financial year; this functionality changes the x-axis of the chart.

Key Occurrences: Wrong Side Failures

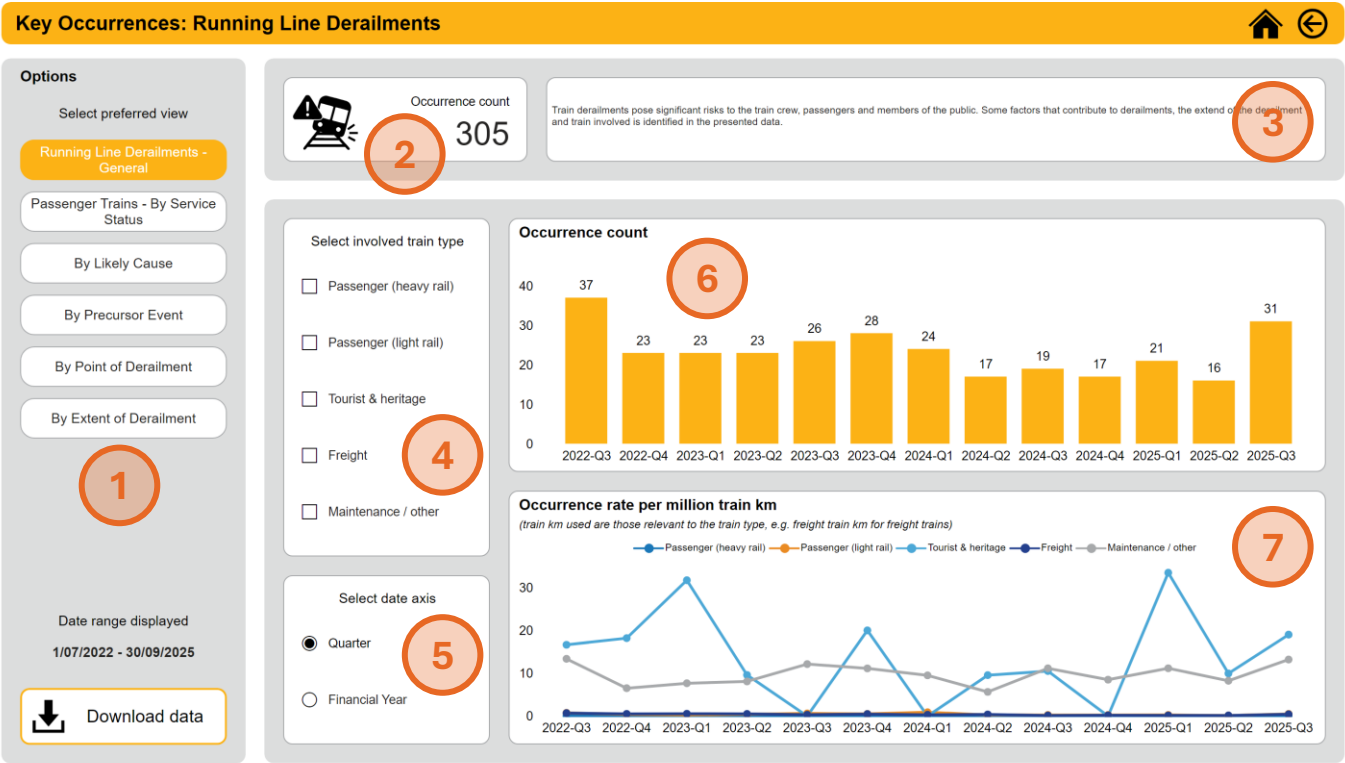
View(s): By Consequence Event



- 1 Use these buttons to toggle between different occurrence details for the occurrence type
- 2 Use this filter to switch between the various system types. Multi-select is not possible.
- 3 Shows the proportion of occurrences of this occurrence type that have a consequence event reported
- 4 Use this slicer to filter the other visuals to show only those occurrences that have a consequence event reported
- 5 Shows the number of occurrences for each consequence event for the selected system type. Use this chart to filter the time series chart below. Click on a bar to select, then click on it again to deselect.
- 6 Shows the occurrence count over time for the selected system type
- 7 Switch between a breakdown by quarter or financial year; this functionality changes the x-axis of the chart.

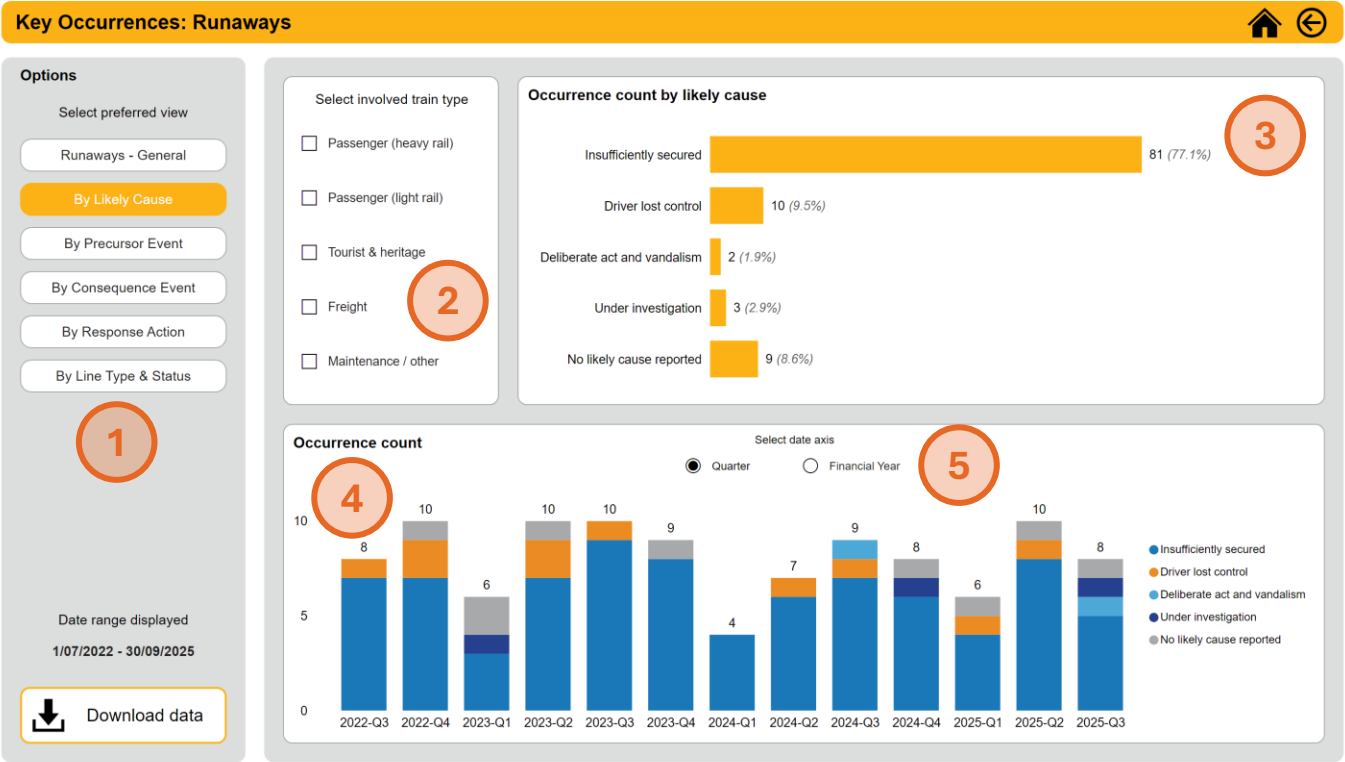
Key Occurrences: All Other Occurrence Types

View(s): General



Key Occurrences: All Other Occurrence Types

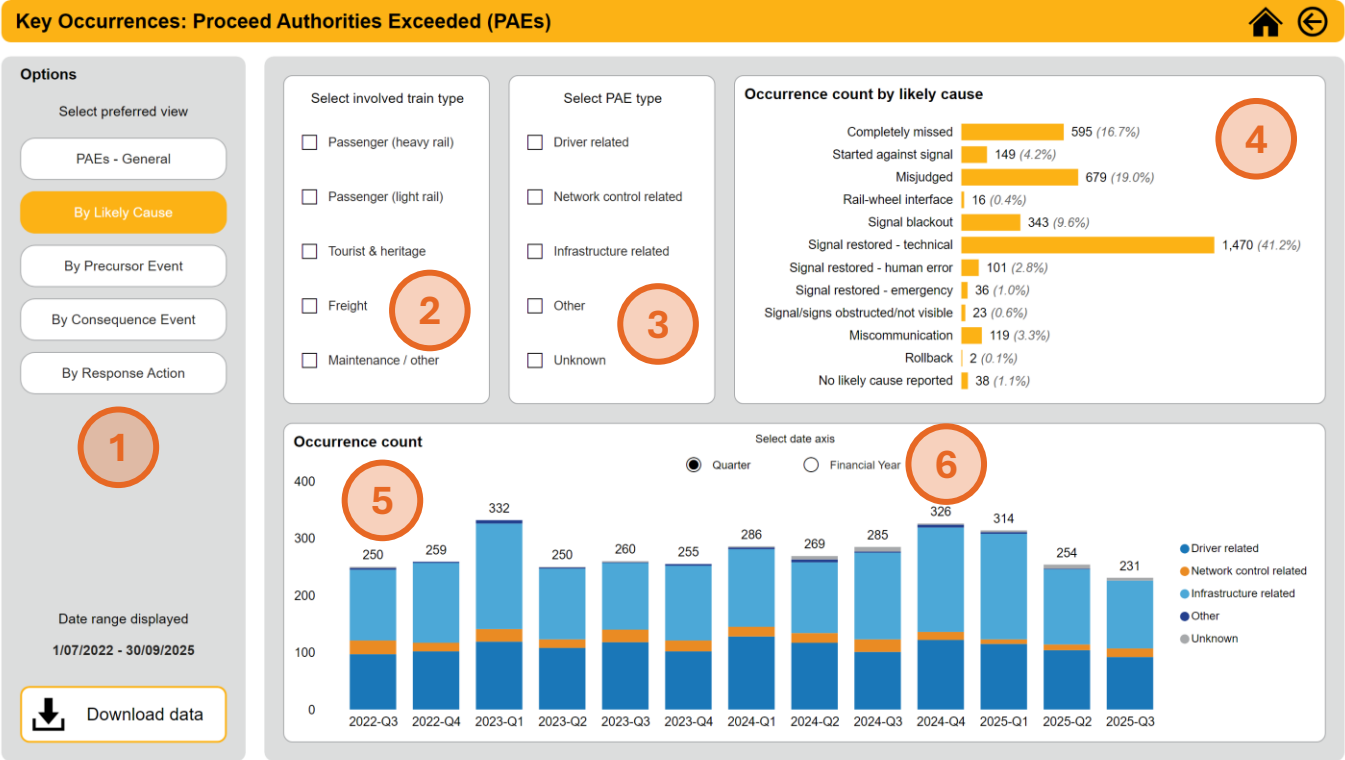
View(s): Various, e.g. By Likely Cause, By Collision Object, By Point of Derailment, By Extent of Derailment, By Response Action, By Line Type & Status, By Incident Type



- 1 Use these buttons to toggle between different occurrence details for the occurrence type
- 2 Use this filter to select the involved train type. Multi-select is possible. No boxes ticked means all are selected.
- 3 Shows the number of occurrences for each likely cause (or collision object, or point of derailment, or extent of derailment, or response action, or line type & status, or incident type)
- 4 Shows the occurrence count over time with detail for likely cause (or collision object, or point of derailment, or extent of derailment, or response action, or line type & status, or incident type)
- 5 Switch between a breakdown by quarter or financial year; this functionality changes the x-axis of the chart.

Key Occurrences: All Other Occurrence Types

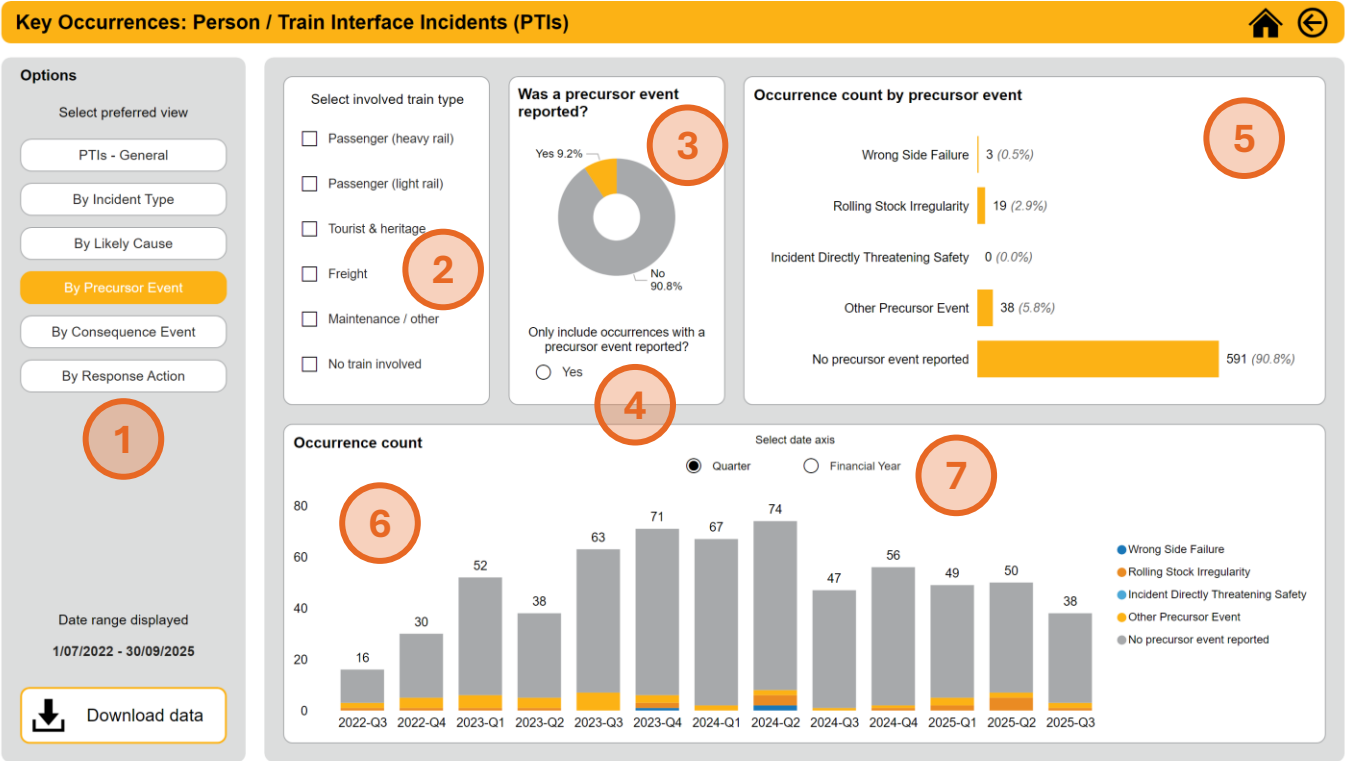
View(s): By Likely Cause (Other Running Line Collisions, Proceed Authorities Exceeded, Platform / Train Interface Incidents); By Response Action (Proceed Authorities Exceeded)



- 1 Use these buttons to toggle between different occurrence details for the occurrence type
- 2 Use this filter to select the involved train type. Multi-select is possible. No boxes ticked means all are selected.
- 3 Use this filter to select additional detail specific to the occurrence type, e.g. the PAE type, or collision object, or likely cause type. Multi-select is possible. No boxes ticked means all are selected.
- 4 Shows the number of occurrences for each likely cause
- 5 Shows the occurrence count over time with detail for likely cause
- 6 Switch between a breakdown by quarter or financial year; this functionality changes the x-axis of the chart.

Key Occurrences: All Other Occurrence Types

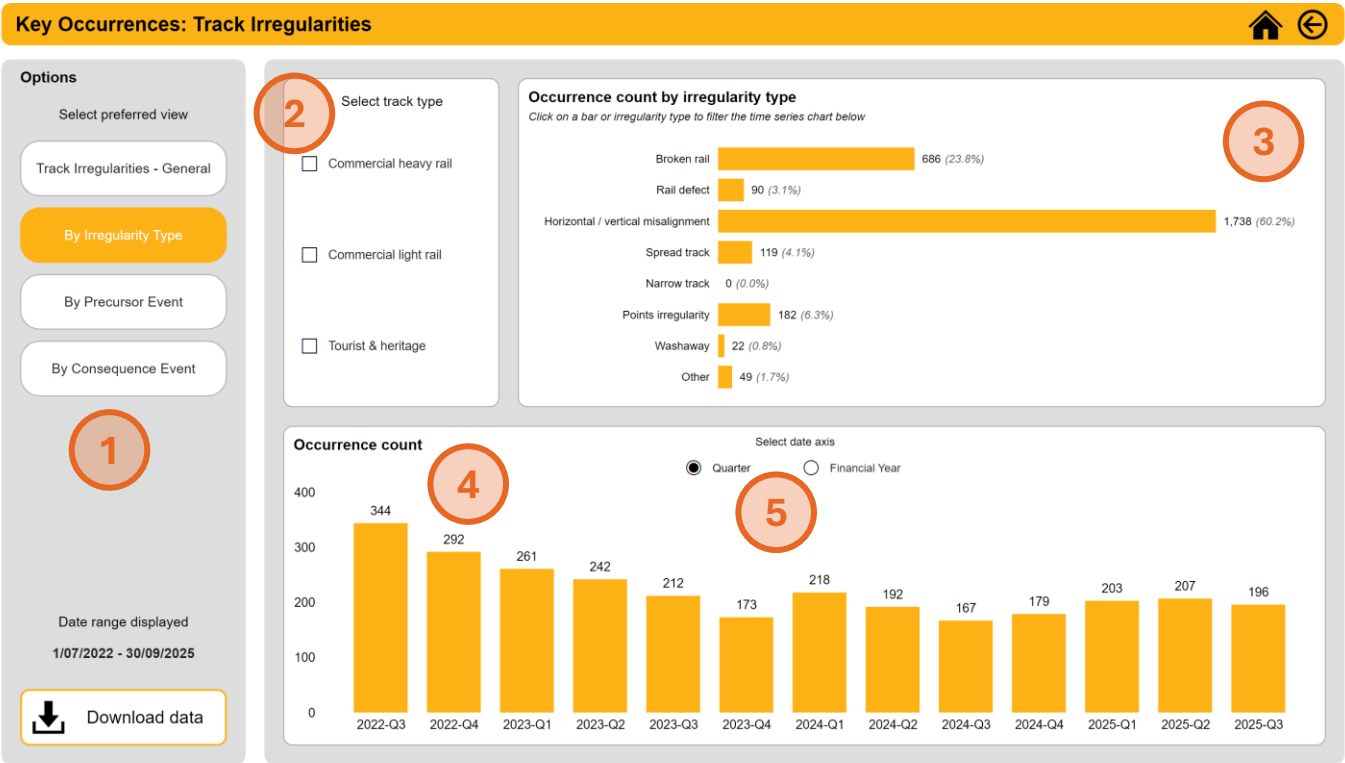
View(s): By Precursor Event; By Consequence Event



- 1 Use these buttons to toggle between different occurrence details for the occurrence type
- 2 Use this filter to select the involved train type (all occurrence types except track irregularity) or track type (track irregularity pages only). Multi-select is possible. No boxes ticked means all are selected.
- 3 Shows the proportion of occurrences of this occurrence type that have a precursor event (or consequence event) reported
- 4 Use this slicer to filter the other visuals to show only those occurrences that have a precursor event (or consequence event) reported
- 5 Shows the number of occurrences for each precursor event (or consequence event)
- 6 Shows the occurrence count over time with detail for precursor event (or consequence event)
- 7 Switch between a breakdown by quarter or financial year; this functionality changes the x-axis of the chart.

Key Occurrences: All Other Occurrence Types

View(s): By Irregularity Type (Rolling Stock Irregularities, Track Irregularities)



- 1 Use these buttons to toggle between different occurrence details for the occurrence type
- 2 Use this filter to select the involved train type (rolling stock irregularities) or track type (track irregularities). Multi-select is possible. No boxes ticked means all are selected.
- 3 Shows the number of occurrences for each irregularity type. Use this chart to filter the time series chart below. Click on a bar to select, then click on it again to deselect.
- 4 Shows the occurrence count over time
- 5 Switch between a breakdown by quarter or financial year; this functionality changes the x-axis of the chart.