

Transport Victoria Open Data Portal

How to access and download data

Step 1: Access datasets and data collections by clicking the “Data Collections” tab or using key words to in the search bar on the homepage

Transport Victoria OpenData

My Account Help and support

Data Collections About News and Updates Showcases

Transport Victoria Open Data Portal

Easy access to a wide range of Victorian transport datasets, available to everyone who wants it.

Search Data Collection Search

Transport Victoria Open Data Portal

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The screenshot shows the Transport Victoria Open Data Portal interface. At the top, there is a navigation bar with the Transport Victoria logo, 'OpenData' label, and links for 'My Account' and 'Help and support'. Below the navigation bar, there are tabs for 'Data Collections', 'About', 'News and Updates', and 'Showcases'. The main content area is titled 'Victoria road crash data' and includes a breadcrumb trail: Home / Domains / Safety / Victoria road crash data. On the left side, there is a sidebar with 'Followers' (4), an 'Unfollow' button, a 'Domain' section with an image of toy cars, and a 'Safety' section with a brief description and a 'read more' link. The main content area is divided into three sections: 'Data Collection', 'Groups', and 'Activity Stream'. The 'Data Collection' section is highlighted with a red box and contains the title 'Victoria road crash data', a description of the data source, 'Data Currency' information, 'Data Structure' details, and a 'License' section (Creative Commons Attribution 4.0). To the right of the 'Data Collection' section is a 'Data and Datasets' section, also highlighted with a red box, which lists various datasets with their formats and sizes. A red line connects the 'Victoria road crash data' title to the 'Victoria road crash data' dataset entry in the list.

Victoria road crash data

This data has been consolidated from Victoria Police reports and Hospital Enriched to provide a comprehensive and detailed view of road crashes. It provides users with information about Victorian fatal and injury road crashes, including crash conditions, crash type, road user type, and other relevant attributes.

Data Currency

This information will be updated on a monthly basis but with a 7 month lag view of incidents during that time period.

Data Structure

The CSV data is split across multiple tables with attributes to facilitate joining. The data has been captured as part of the supporting documentation in the metadata. The datasets include: accident (basic accident details, time, severity, location) - person (person details), vehicle (vehicle based data, vehicle type, make etc) - accident_event (severity, caught fire) - road_surface_cond (whether road was wet, dry, icy etc) - dca_sub_dca (detailed codes describing accident) - accident_node (master table) - Node Table with Lat/Long references

The GeoJSON dataset is a single flat file containing a subset of the attributes for each road crash that has occurred within Victoria. The metadata will provide further details of the attributes.

License
Creative Commons Attribution 4.0

Data and Datasets

- Accident CSV | 28.59 MB
- Vehicle CSV | 38.75 MB
- Accident Event CSV | 22.95 MB
- Atmospheric Condition CSV | 4.17 MB
- Sub DCA CSV | 10.07 MB
- Person CSV | 24.01 MB
- Node CSV | 17.86 MB
- Road Surface Condition CSV | 3.70 MB
- Accident Location CSV | 10.42 MB
- Victoria road crash data GEOJSON | 283.10 MB
- DCA Chart and Sub DCA Codes PDF

Step 2: Click on the data collection you are interested in and scroll down to see the formats and information available

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Home / Domains / Safety / Victoria road crash data / Accident

Accident

URL: <https://opendata.transport.vic.gov.au/dataset/bb77800e-1857-4edc-bf9e-e188437a1c8e/resource/4...>

Table of road crash accidents that includes information about how the crash occurred, date, time and severity of the incident.

Table Use Case: Dashboard - Victoria road crash data Use Case: Map - Victoria road crash data

Fullscreen Embed

Add Filter

Show 20 entries:

Search:

Showing 1 to 20 of 174,899 entries 0 columns selected 0 cells selected

_id	ACCIDENT_NO	ACCIDENT_DATE	ACCIDENT_TIME	ACCIDENT_TYPE	ACCIDENT_TYPE_DESC	DAY_OF_WEEK
1	T20120000009	2012-01-01	02:25:00	4	Collision with a fixed object	1
2	T20120000012	2012-01-01	02:00:00	1	Collision with vehicle	1
3	T20120000013	2012-01-01	03:35:00	1	Collision with vehicle	1
4	T20120000018	2012-01-01	05:15:00	4	Collision with a fixed object	1
5	T20120000021	2012-01-01	07:30:00	4	Collision with a fixed object	1
6	T20120000028	2012-01-01	04:00:00	4	Collision with a fixed object	1
7	T20120000032	2012-01-01	00:55:00	2	Struck Pedestrian	1

Step 3: Download a data file by clicking the "Download" icon on the data collection page or click on the dataset to see more details and download it via the "Download" button

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The screenshot shows the Transport Victoria Open Data Portal interface. The main page displays the 'Accident' dataset with a table of road crash accidents. A red box highlights the 'Data API' button. A modal window titled 'CKAN Data API' is open, showing the following endpoints:

Action	Endpoint
Create	https://opendata.transport.vic.gov.au/api/3/action/datastore_create
Update / Insert	https://opendata.transport.vic.gov.au/api/3/action/datastore_upsert
Query	https://opendata.transport.vic.gov.au/api/3/action/datastore_search

Step 4: If a dataset has Data API details, click on the "Data API" button on the dataset page to view the information

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Home / Data Collections

Domains

- Disruptions - 2
- Public Transport - 1
- Roads - 1

Groups

There are no Groups that match this search

Tags

- traffic - 2
- congestion - 1
- delay - 1
- disruption - 1
- freeway - 1
- gtfs realtime - 1
- gtfs-r - 1
- lane closure - 1
- planned - 1
- public transport - 1

Show More Tags

Formats: API x

4 data collections found

GTFS Realtime

GTFS Realtime feeds have been provided by the Victoria Department of Transport and Planning (DTP). It contains feeds about...

API

Freeway Travel Time

Freeway Travel Time contains the spatial location, travel times and traffic conditions for freeways throughout Melbourne. The data includes...

API

Unplanned Disruptions - Road

This API contains details of unplanned disruptions in near real-time on roads managed by the Victorian Department of Transport and Planning (DTP). The data includes...

API

Planned Disruptions - Road

This API contains the locations and details of planned disruptions in near real-time on roads managed by the Victorian Department of Transport and Planning (DTP). The data includes...

API

Licenses

Creative Commons... - 4

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Home / Domains / Disruptions / Unplanned Disruptions - Road / Unplanned Disruptions - Road - v2

Unplanned Disruptions - Road - v2

URL: <https://opendata.transport.vic.gov.au/dataset/af595015-e191-45e5-ab89-6ebca7257e54/resource/f85a41e7-0803-4a3b-8316-329f87e4716c/download/unplanned-road-disruptions.openapijson>

Contains the locations and details of all unplanned road closures and traffic alerts recorded by DTP and local councils. The records represent a closure affecting either the point on the road or the length of road. To obtain an 'API Key' please continue to sign up using our Data Exchange Platform (<https://data-exchange.vicroads.vic.gov.au/>).

OpenAPI Console

Fullscreen Embed

Disruptions - Road v2 OAS3

<https://opendata.transport.vic.gov.au/dataset/af595015-e191-45e5-ab89-6ebca7257e54/resource/f85a41e7-0803-4a3b-8316-329f87e4716c/download/unplanned-road-disruptions.openapijson>

Disruptions to the road network in Victoria affect many people as they plan and undertake their journeys. This information contains details of disruptions in near real-time on roads managed by the Victorian Department of Transport and Planning as well as roads managed by local councils. The data includes the location and reason for the disruption along with which road it has occurred on.

Servers

<https://data-exchange-api.vicroads.vic.gov.au/opendata/disruptions/v2>

default

GET /unplanned Unplanned Disruptions-Road

This dataset contains the locations and details of all unplanned road closures and traffic alerts recorded by the Department of Transport and Planning (DTP), in near real-time.

As part of the v2 Unplanned Disruptions information, the Department of Transport and Planning (DTP) provides enhanced incident data, such as the number of lanes closed, enhanced public advice for consumers, and improved accuracy for an incident's location.

Also included are Tow truck allocations within the Melbourne Controlled Area (including Mornington Peninsula) which is done by the Accident Allocation Centre, managed under contract to the DTP. The records either represent a road disruption affecting either a point on a road or a length of road or tow trucks in the Melbourne Controlled Area attending an accident scene for vehicles with a gross vehicle mass less than 4 tonnes only after receiving an allocation number.

This dataset uses the GeoJSON format. For more information about the GeoJSON format, see the GeoJSON specification here: <https://geojson.org/>

NOTE: This API endpoint has a rate limit of 10 calls per minute. Pagination has been implemented with the query parameters "page" and "limit" with default

Step 5: To access an API, click "API" under the formats tag on the side menu, choose the dataset you are interested in and click the "Download" button

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Data Collections About News and Updates Showcases

Home / Domains / Disruptions / Unplanned Disruptions - Road / Unplanned Disruptions - Road - v2

Unplanned Disruptions - Road - v2

Download

URL: https://opendata.transport.vic.gov.au/dataset/af595015-e191-45e5-ab89-6ebca7257e54/resource/f85a41e7-0803-4a3b-8316-329f87e4716c/download/unplanned_road_disruptions.openapi.json

Contains the locations and details of all unplanned road closures and traffic alerts recorded by DTP and local councils. The records represent a closure affecting either the point on the road or the length of road. To obtain an API Key please continue to sign up using our Data Exchange Platform (<https://data-exchange.vicroads.vic.gov.au/>).

OpenAPI Console Fullscreen Embed

Disruptions - Road v2 OAS3

https://opendata.transport.vic.gov.au/dataset/af595015-e191-45e5-ab89-6ebca7257e54/resource/f85a41e7-0803-4a3b-8316-329f87e4716c/download/unplanned_road_disruptions.openapi.json

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Tip: You can also view and interact with APIs on the dataset page by expanding the API console and adjusting parameters as needed

Parameters

Name	Description
page Integer (query)	The page that the user wants to return. Available values: 1, 2, 3, 4, 5, 6, 7, 8, 9 Default value: 1
limit Integer (query)	The number of results per page the user wants to return. Available values: 0, 100, 200, 300, 400, 500 Default value: 0

Responses

Code	Description	Links
200	OK	No links

Media type: application/json

```
{
  "type": "string",
  "features": [
    {
      "type": "string",
      "geometry": {
        "type": "string",
        "coordinates": [
          "string"
        ]
      },
      "properties": {
        "impactId": "string",
        "numberLanesImpacted": "string",
        "created": "string",
        "lastUpdated": "string",
        "lastActive": "string",
        "closedBy": "string",
        "declaredBy": "string",
        "reference": "string"
      }
    }
  ]
}
```


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Additional dataset information

A CSV file dataset will display a table view by default, where you can apply filters and even create a link to share the table with your chosen filters

Step 5: There are three options you can use to search through data:

1. Keyword search for the whole table
2. Sort by ascending/descending order
3. Keyword search for each specific column

The screenshot shows the Transport Victoria Open Data Portal interface for the 'Accident' dataset. The page title is 'Accident' and it includes a 'Download' button and a 'Data API' link. The URL is <https://opendata.transport.vic.gov.au/dataset/bb77800e-1857-4edc-bf9e-e188437a1c8e/resource/4...>. The table description is 'Table of road crash accidents that includes information about how the crash occurred, date, time and severity of the incident.' The table has columns: _id, ACCIDENT_NO, ACCIDENT_DATE, ACCIDENT_TIME, ACCIDENT_TYPE, ACCIDENT_TYPE_DESC, and DAY_OF_WEEK. The table shows 10 rows of data. A search bar is located above the table, and a 'Full Screen' button is to the right of the table. The page number '1' is highlighted in the bottom right corner.

_id	ACCIDENT_NO	ACCIDENT_DATE	ACCIDENT_TIME	ACCIDENT_TYPE	ACCIDENT_TYPE_DESC	DAY_OF_WEEK
1	T2012000009	2012-01-01	02:25:00	4	Collision with a fixed object	1
2	T2012000012	2012-01-01	02:00:00	1	Collision with vehicle	1
3	T2012000013	2012-01-01	03:35:00	1	Collision with vehicle	1
4	T2012000018	2012-01-01	05:15:00	4	Collision with a fixed object	1
5	T2012000021	2012-01-01	07:30:00	4	Collision with a fixed object	1
6	T2012000028	2012-01-01	04:00:00	4	Collision with a fixed object	1
7	T2012000032	2012-01-01	00:55:00	2	Struck Pedestrian	1
8	T2012000043	2012-01-01	00:45:00	1	Collision with vehicle	1
9	T2012000044	2012-01-01	16:25:00	1	Collision with vehicle	1
10	T2012000046	2012-01-01	16:25:00	2	Struck Pedestrian	1

Tip: Click the “Fullscreen” button to expand the table and use the page numbers below the table to scroll through the information

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Step 6: Add filters by clicking the "Add Filter" button then selecting the field you want from the drop-down box. Then select the filter options in the next drop-down box.

Tip: You can add additional fields by clicking "Add Filter" again. You can also share your custom filtered table by creating a link to it via the "share" button

The screenshots illustrate the following steps:

- Initial view of the 'Accident' dataset page with the 'Add Filter' button highlighted.
- Clicking 'Add Filter' opens a dropdown menu to select a field. The field 'ACCIDENT_DATE' is selected.
- A second dropdown menu appears to select specific dates for the filter, with '2012-01-01' selected.
- The resulting filtered table is displayed, showing only accidents from 2012-01-01.
- The 'Share' button is highlighted in the bottom right corner of the final screenshot.

ACCIDENT_NO	ACCIDENT_DATE	ACCIDENT_TIME	ACCIDENT_TYPE	ACCIDENT_TYPE_DESC
T2012000009	2012-01-01	02:25:00	4	Collision with a fixed object
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Datasets

- Accident
- Vehicle
- Accident Event
- Atmospheric Condition
- Sub DCA
- Person
- Node
- Road Surface Condition
- Accident Location
- Victoria road crash data

Data Dictionary

Field Name	Name	Type	Description	Fixed Values
ACCIDENT_NO	Accident Number	STRING(12)	ACCIDENT_NO is the Primary Key for the database to uniquely identify the accident and cannot contain NULL values. First character T indicates TIS incident and characters 2-5	

Additional information

Field	Value
Dataset Last Updated Date	11 November 2024
Last Updated Date	27 November 2024
Publication Date	1 January 2012
Format	CSV
License	Creative Commons Attribution 4.0
Open Data Title	Accident
Dataset File Size	28.5 MiB
Dataset Security Value	BIL1 OFFICIAL - Authorised Public Release
Dataset Reporting Period Start	1 January 2012
Dataset Reporting Period End	31 March 2024
Geographic Coverage	Victoria

Tip: Dataset pages also include a data dictionary and additional metadata