



USER MANUAL

COVIDaware Website

COVIDaware Team
2021-04-10

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1. Introduction:

1.1 Purpose

Since the beginning of the COVID-19 pandemic, information and statistics have been scattered across the internet. This has resulted in the need for a simple website that displays COVID-19 related information in a user friendly manner. The point of this website is for all the work to be done by the website. The user can enjoy a simplified experience.

1.2 Scope

The software product will be a user friendly website called COVIDaware. COVIDaware will be an intuitive method for accessing all information regarding COVID-19, in a user-friendly format. This website will not just display statistics, but will also be complemented with corresponding visual aids. The objective of COVIDaware is to create an all-inclusive tool to help users develop a deeper understanding of COVID-19 data.

1.3 COVIDaware Team

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2. Data Pages:

2.1 Available Data

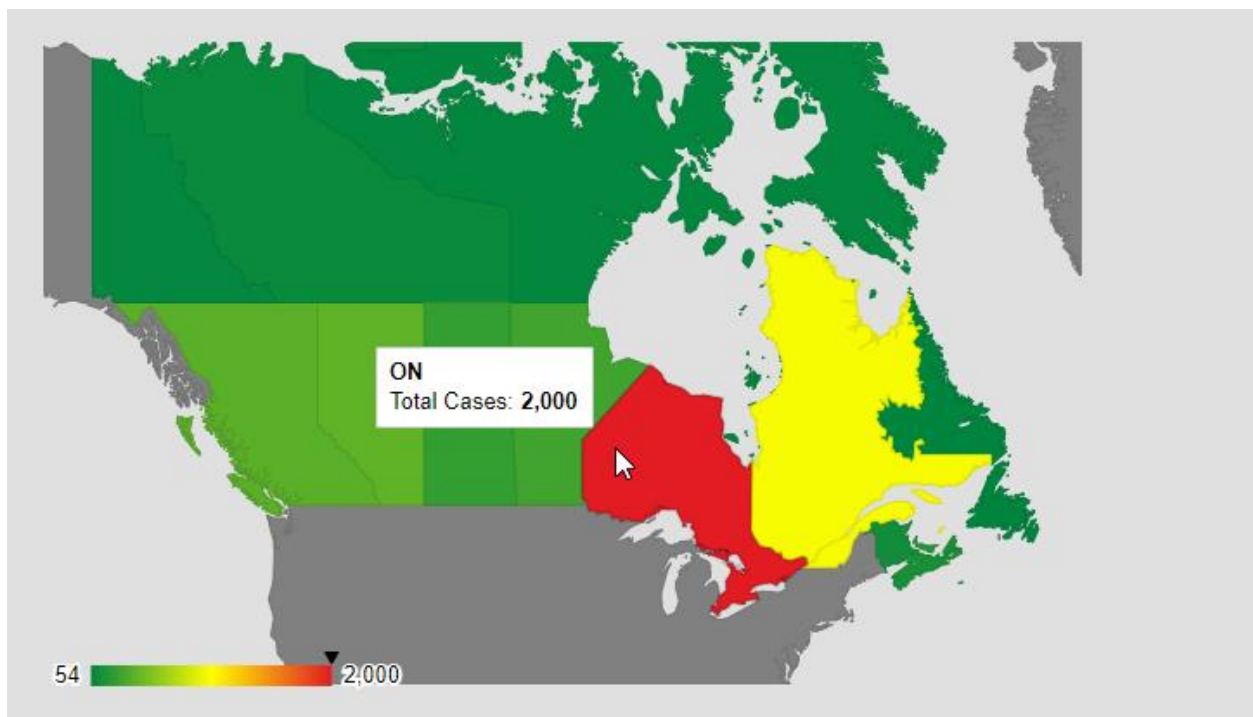
Various different pages are available to show data across Canada. Using the navigation bar, it is possible to select Canada as a whole to view heat maps and graphs based on Canada. Also using the navigation bar, it will be possible to access data specific to provinces. This can be accessed via the drop-down menu. For more information regarding accessing data pages, refer to section 6 from the Table of contents.

2.2 Understanding Heat maps, and Graphs

COVIDaware uses various forms of heat maps, graphs, and charts. Section 2.2 will outline how to navigate and use the interactive features of these graphs.

2.2.1 Heat maps

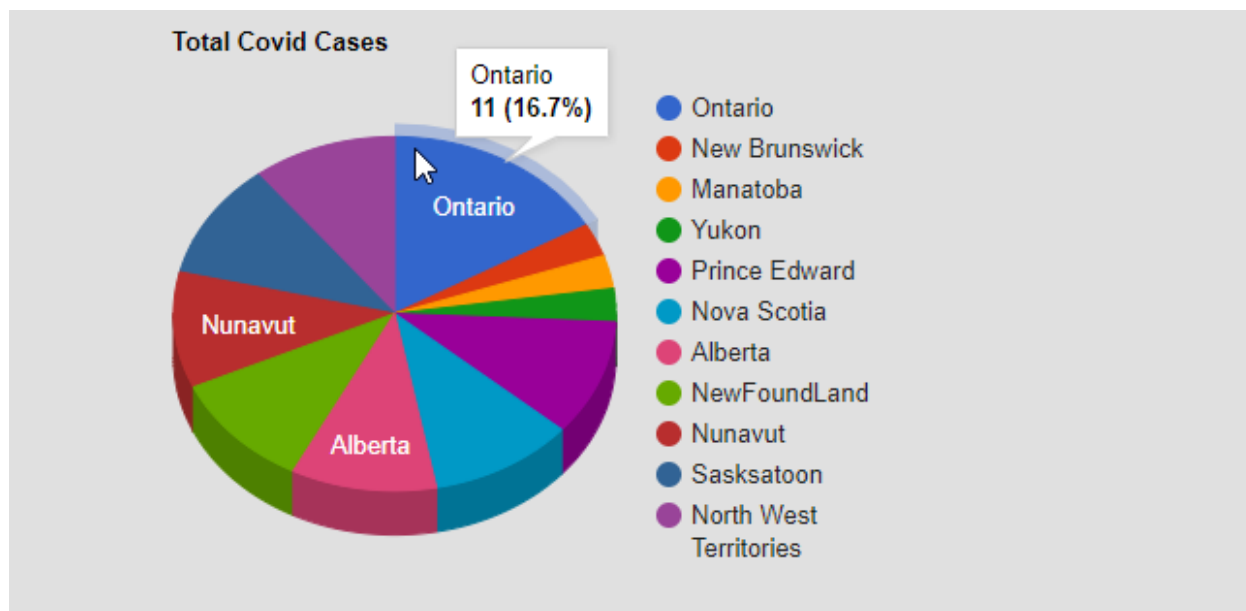
A heat map is available to view in the Canada data page. For more information on how to access the Canada data page, refer to section 6 in the table of contents.



By hovering your mouse over a certain province, you can view total number of cases for that province. This will also simultaneously move the arrow on the legend, to show how it differs from other provinces. The colour ranges from green, to yellow, and then to red. Green signify comparatively better, than the rest of the provinces, and red signifying comparatively worse than other provinces. Based on the heat map above, Ontario has 2000 cases, and they are completely in the red zone. Hovering over greyed portions will do nothing, as the grey zones are not a part of Canada.

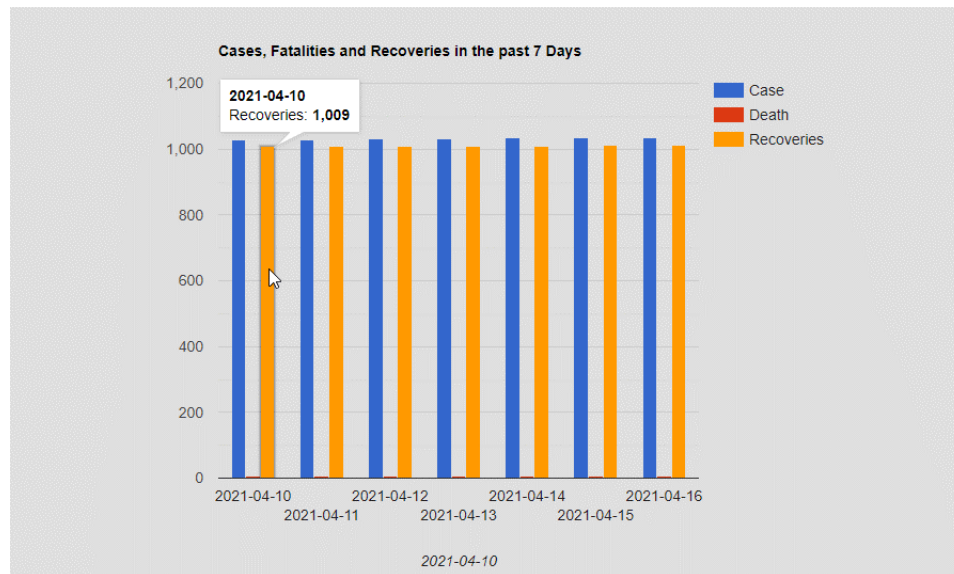
2.2.2 Charts

The main chart being used by COVIDaware is a pie chart. A pie chart is available in the Canada data page, and provincial pages. For more information on how to access the Canada data page as well as the provincial pages, refer to section 6 in the table of contents.

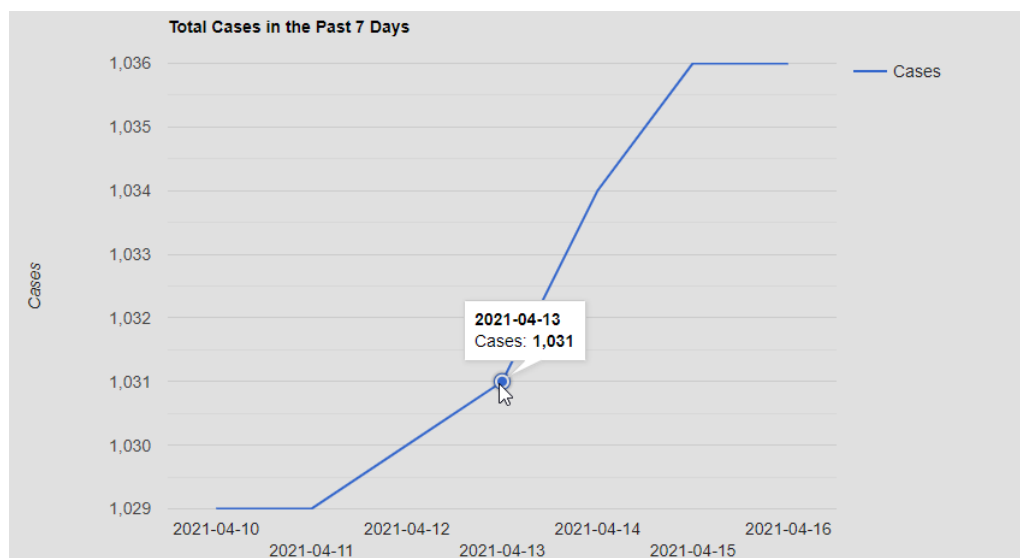


By hovering your mouse over a certain section, you can view total number of cases for that province, as well as the percentage. The colours on the chart are corresponding to the colours for the legend. The charts are easily usable to colour blind users, as simply hovering over a section will display name, and data. For example, the pie chart above shows Ontario being a blue colour, and Ontario has 11 cases. As well as Ontario takes up 16.7% of the pie chart. Hovering over the legend will also highlight a specific portion of the pie chart. This can be useful for provinces that do not much data, since they occupy a small portion of the chart, thus making it difficult to view.

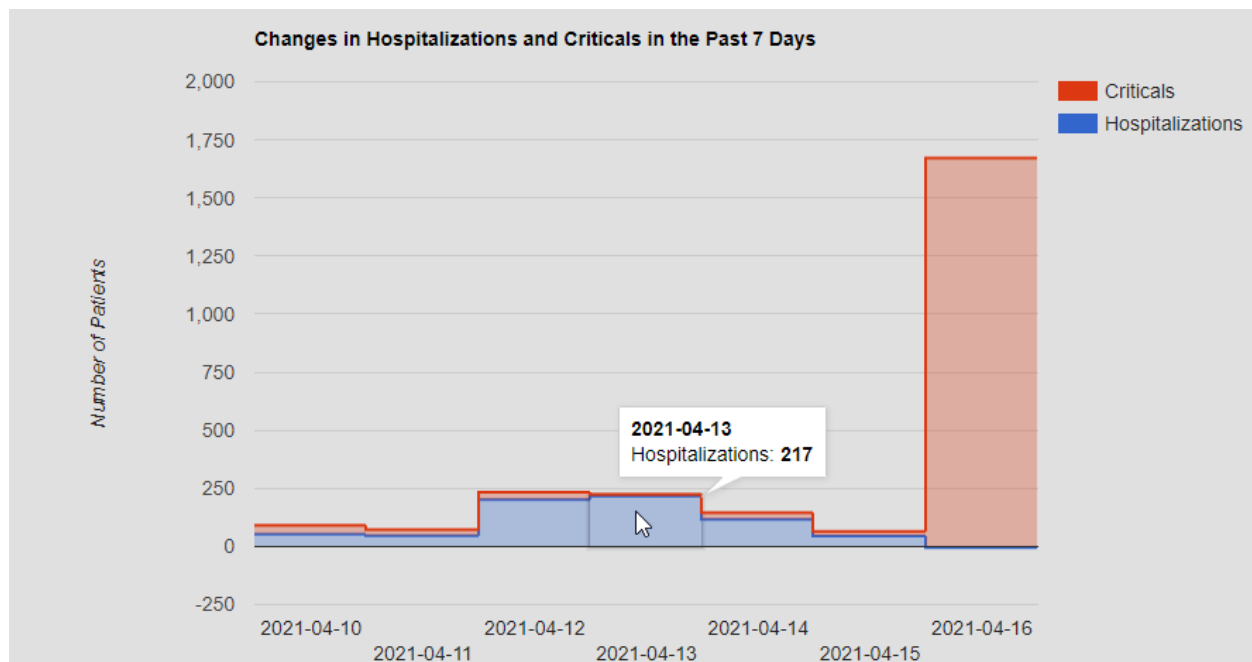
2.2.3 Graphs



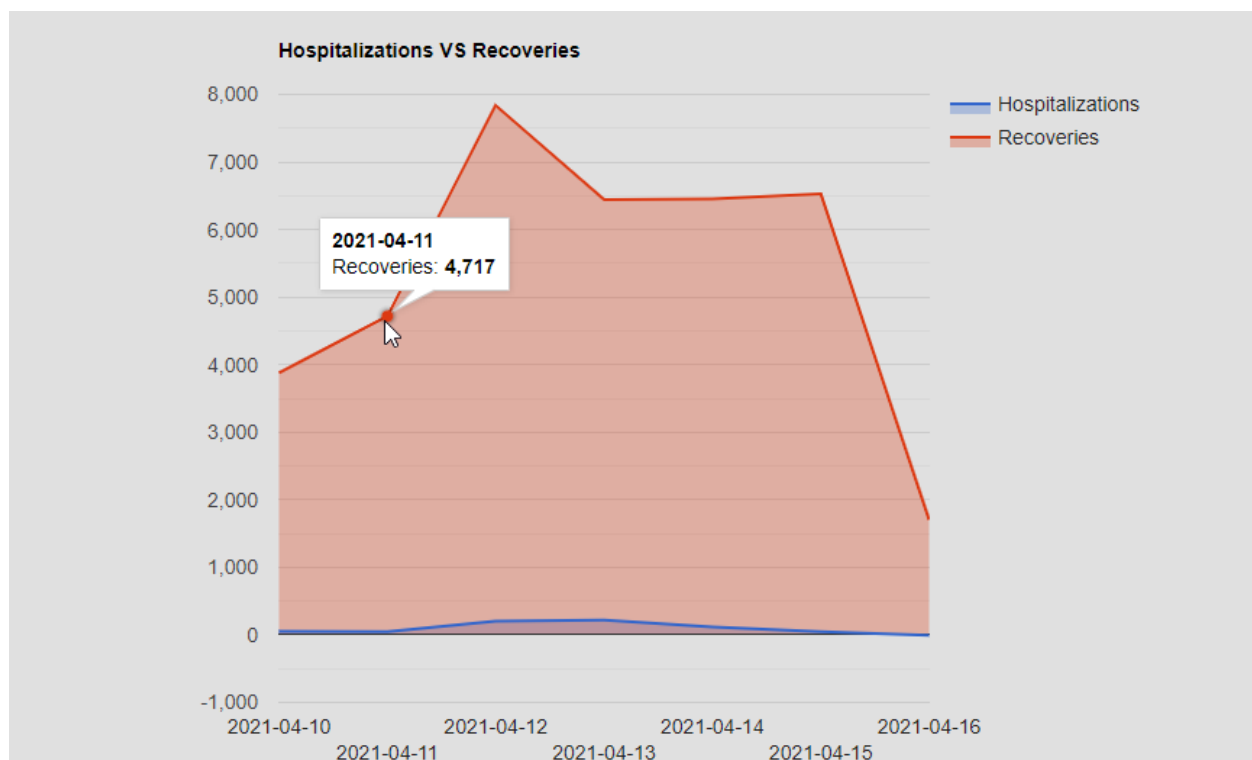
The bar graphs are fully interactive, and the user can hover over a bar to view data related to the graph. For the graph shown above, you can see the date for the data being viewed, as well as the number of recoveries. This allows the user to get a more accurate value, as estimating from a graph cannot guarantee accurate numbers. There is also a bar graph that displays the information, but the graph is rotated on its axis. This does not change anything regarding the functionality of the graph. Hovering over the legend will highlight the corresponding data on the graph.



Another graph COVIDaware uses is a line graph. This graph likewise will display data when hovering over significant points in the data. For the data above, hovering over a certain point displayed the date, as well as the cases for that date. Some Graphs will also feature more than one line, to help contrast between various data. Hovering over the legend will highlight the corresponding data on the graph.



The contrasting bar graph also allows the user to hover over certain areas of the graph. The above graph demonstrates this. Hovering over the legend will highlight the corresponding data on the graph.



The area line graph functions similarly to a line graph, but shows the area underneath the curve. Hovering over the legend will highlight the corresponding data on the graph.

3. Twitter News Feed:

3.1 Navigation

The Twitter news feed is displayed on every page, on the left side of the page. The tweets displayed are tweeted by the twitter account, @covid_canada. The twitter page is the following: https://twitter.com/covid_canada. To navigate through the tweets, you can simply drag the scroll bar displayed on the right hand side of the News Updates Bar. This can also be navigated by simply using the scroll wheel on a mouse.

News Updates

Tweets by @covid_canada

Replying to @covid_canada
The 7-day rolling average in #Yukon is at 0 cases/day and 0 deaths/day:

Yukon - Last 7 Days

COVID-19 Tracker Canada
@covid_canada
+0 cases in #Yukon today:

74 cases (+0 today)
1 deaths (+0 today)
0 hospitalized (0 today)
0 critical (0 today)
73 recovered (+0 today)
8560 tests (+8 today)
39687 doses admin. (+905 today)
covid19tracker.ca/#covid19YT

Yukon - New By Day

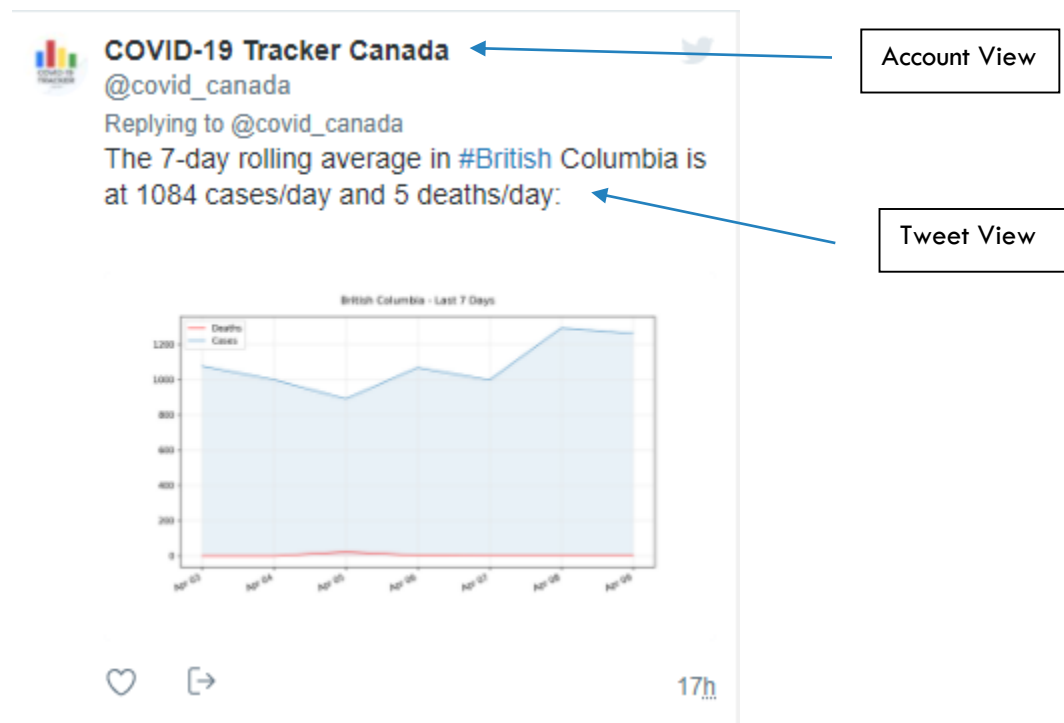
Embed View on Twitter

Scroll Bar for Navigating News Updates

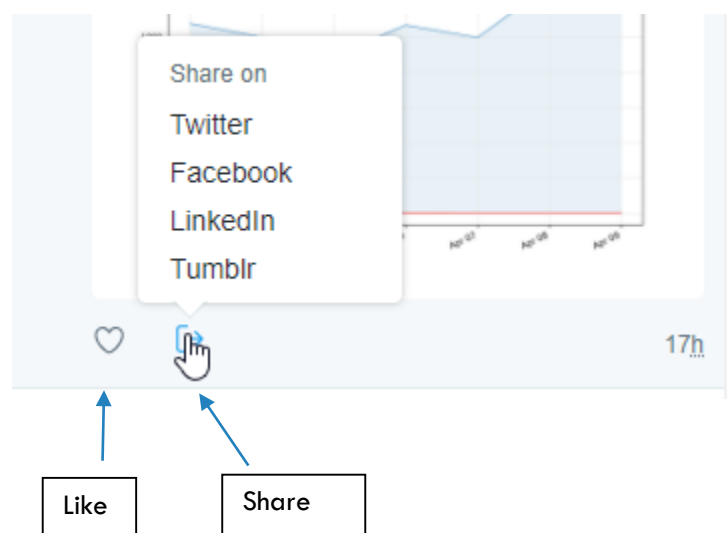
Access the COVID-19 tracker Twitter Page

3.2 Opening Tweet, and Interaction

To open a tweet to view on the twitter website or application, you can click on the text of the tweet to open the tweet itself, or even click on the account name to view the entire timeline for @covid_canada.



Other basic functionality of twitter such as liking, and sharing is also available. The user can press the heart button to like the tweet from their twitter account, and can even share to various other forms of social media such as: Twitter, Facebook, LinkedIn, and Tumblr.

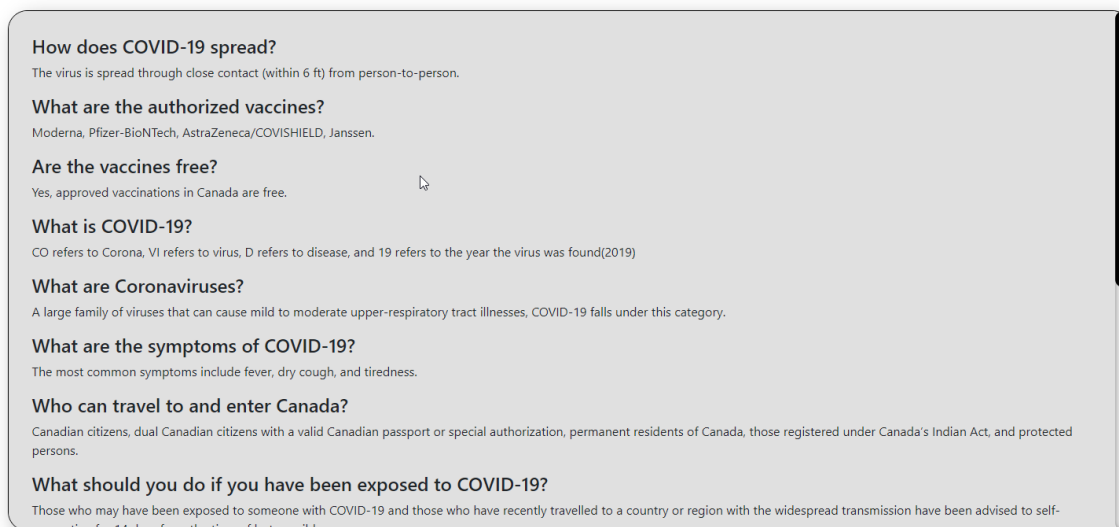


4. Information Pages:

4.1 FAQ Page

With the pandemic being a new experience for everyone, COVIDaware acknowledges that there are a lot of questions that users may have. The FAQ's page displays frequently asked questions that are consistently being updated with the latest and most accurate information by the COVIDaware team.

FAQs



A scroll bar is available to navigate through various questions. For more information regarding accessing the FAQ page, refer to section 6 from the Table of contents.

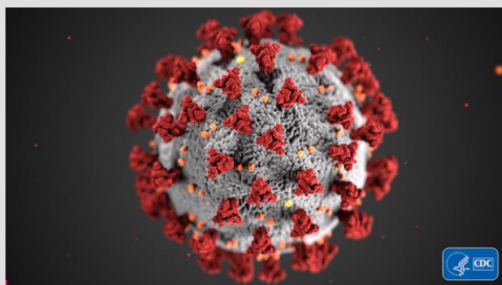
4.2 About Page

The about page displays COVIDaware mission, and goal to society. This page is static and does not have much functionality, other than displaying information. For more information regarding accessing the about page, refer to section 6 from the Table of contents.

About COVIDaware

Since the beginning of the COVID-19 pandemic, information and statistics have been scattered across the internet. This has resulted in the need for a simple website that displays COVID-19 related information in a user friendly manner.

COVIDaware is an intuitive method for accessing all information regarding COVID-19, in a user-friendly format. All data on the COVIDaware website is from the Canadian government website for COVID-19. The objective of COVIDaware is to create an all inclusive tool to help users develop a deeper understanding of COVID-19 data.



Similar information is also available in Section 1 of the User Manual.

4.3 Team Page

The team page is a tribute to the team that made this all possible. It allows for the user to be able to directly contact any of the developers with any issue regarding COVIDaware. All members of the COVIDaware team are listed, alongside their corresponding email. There is a scroll bar available to view all members and future proofing for possible new members of COVIDaware. For more information regarding accessing the team page, refer to section 6 from the Table of contents.

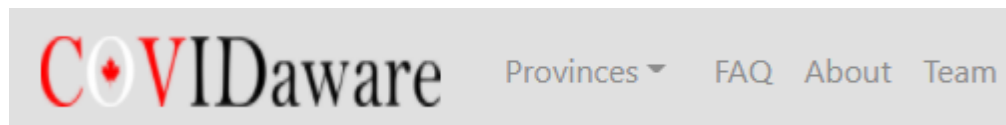
The COVIDaware Team

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Asad, Asif	asif5080@mylaurier.ca
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5. Navigation Bar:

5.1 Navigation Buttons

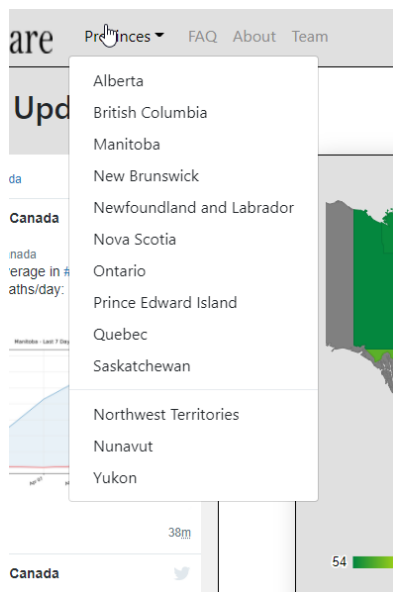
The navigation bar is displayed at the top of every page on COVIDaware. There are 5 buttons on the navigation bar. The buttons include, COVIDaware logo, Provinces, FAQ, About, and Team. The search bar is also included in the top right of the navigation bar, for more information regarding the search bar; refer to section 5 from the table of contents.



Pressing the COVIDaware logo will redirect you to the home page. The provinces button opens a drop-down. For more information regarding the Provinces button, refer to section 6.2 of the table of contents.

5.2 Drop-Down Menu

The drop-down menu can be found by pressing the Provinces button located on the navigation bar.



From this drop-down menu, the user can select a province or territory. Once selected the user will be redirected to the corresponding data page for the province. For any information regarding the data pages, refer to section 2 from the table of contents.

6. References:

6.1 References

Twitter Feed: https://twitter.com/Covid19_Canada?ref_src=twsrc%5Etfw%22%3ETweets

Google Maps Platform: Heatmap Layer APU:

<https://developers.google.com/maps/documentation/javascript/heatmaplayer>

Google Charts: <https://developers.google.com/chart>

Maple Leaf For Logo: <https://www.hiclipart.com/free-transparent-background-png-clipart-ikdfh>

Colour Blind Assist: <https://www.healthline.com/health/eye-health/what-do-colorblind-people-see#visual-differences-in-images>

COVID-19 Tracker Data (Publicly Available CSV File): <https://health-infobase.canada.ca/covid-19/epidemiological-summary-covid-19-cases.html?redir=1&stat=rate&measure=deaths&map=hr&f=true#a2>