Auckland Region Vascular Atlas user guide II: Performance analysis maps

This user guide is divided into 3 short sections. By the end of this quick guide, you will be able to:

A. Navigate through the user interface and controls;
B. Display different data sets and view corresponding visuals;
C. Display useful combinations of data for analysis

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Video Demonstrations
Click link below to watch video

1. Overview of basic controls and display option (4:20)
2. Examples of useful configurations for Performance Analysis Maps (3:00)

A: Basic User Interface and Controls

1. **Data Panel**
   - Changes data displayed on map.
   - Click to expand grouping.
   - Selection of a variable will be displayed on the map panel.
   - Click to select the variable or hover to highlight. Click – or + to collapse or expand all.

2. **Legend and Pie Chart**
   - Click to display legend class or pie segment on map.
   - Click to open legend settings panel.

   NB: classifiers alter the methodology for breaking and grouping data.
   All windows/panels can be resized and moved around the screen.

3. **Bar Chart**
   - Hover to see the mean, and upper and lower limit for each GED.
   - Click on a bar to display the selection of on the map.
   - Hold Ctrl+ to select multiple mesh-blocks. Red line indicates Auckland regional mean.

4. **Data Animation**
   - Plays an animation of different sub-groups within a data category.
   - Click to play, < to move back/forward one variable. Click to adjust speed.

5. **Line Chart**
   - Shows selected or highlighted data as line plots. Red line indicates Auckland regional mean.

Map shows 3 levels of geography:
- Auckland Region, District Health Board (DHB), and General Electoral Districts (GEDs).
- Data displayed in multiple forms (map, table, pie, bar, line charts).

6. **Map Panel**
   - Click to select a GED, DHB or region. The mouse wheel can be used to zoom in and out.
   - Click to open the menu.

   NB: Map shows 3 levels of geography:
   - Auckland Region, District Health Board (DHB), and General Electoral Districts (GEDs).

7. **Tabular Data Panel**
   - Contains all data for all areas (% and n value). Make single or multiple selections.

8. **Filter Button**
   - Contains pre-set selections to display data for DHBs and GEDs only.

Video Demonstration
1. Overview of basic controls and display option (4:20)
B: Display Different Data Sets

General Display Options
For tables, charts, legends and map GEDs:
Clicking selection(s) and/or hovering the cursor will generate a visualisation accordingly (i.e. Orange = selected, blue = hovering the cursor).

9-1 Explore the GED/DHB Panel
Selecting GED(s) will trigger the display of the data on the corresponding map, chart, and area performance table.
NB: GEDs can also be selected using classification on pie chart or legend, based on % value.

9-2 Visualise Selection on the Map Panel
Hold ctrl+ to make multiple selections.

9-3 Visualise Selection on the Charts

9-4 Visualise in Area Performance Table
All hovering or selection of GED(s) will appear in area performance chart.
NB: Click on any row to visualise values on line or bar charts.

<table>
<thead>
<tr>
<th>Lipid Testing</th>
<th>%</th>
<th>CVD Patients (N)</th>
<th>Regional Average (%)</th>
<th>% difference</th>
<th>Comparing Regional Average</th>
<th>GED/DHB</th>
</tr>
</thead>
<tbody>
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</tr>
</tbody>
</table>

Colour ramp = classification of % value  
Diamond ◆ = values for the selected GED. Black bar | = average for Auckland.
C: Useful Combinations for Analysis: Performance Analysis Map

10-1 Find and select the demographic group of interest from area performance table. NB: groups listed by year.

10-2 Select area(s) of interest from the GED/DHB/Region panel.

10-3 View results in the area performance table.

View results in the area performance table
Values for the selected area are displayed and classified by demographic and by year.

Example: This PA map shows the variation between two GEDs, Mangere and Rodney, between genders for 2010. The % differences show a large % change when compared with the average for the Auckland region.