

Visualization Walkthrough

The *Portland Shooting Incidents Dashboard* is an **interactive data visualization**. This interactivity allows users to filter the information based on the questions they are hoping to answer with this dataset. An overview of the pre-built filters is included below.

Note: Shooting **incident** data is subject to change as more information is received. **The report is updated approximately 15 days after the end of the month.**

The **first tab** provides three distinct interactive visuals and two filters that can be applied. All of the visuals have information on shooting incidents from 2019 to the most current completed month. Those that occurred outside of Portland City Limits may be reported and/or investigated by the Portland Police Bureau, and are included in month-to-month and yearly comparisons.

The first visualization is a timeline of shooting incidents that can be filtered by using either the date filter or the shooting type filter. The date filter is the primary selection tool for the date range. The dropdown filter defaults to the most recent 13-month period. To change the months in view, hit the down arrow found in the “*Filter Timeline by Date:*” box and select the check boxes next to the corresponding months/years you would like to view. There is no limit to the number of months you can select. The second filter, shooting type, applies to all visualizations on the page. The shooting type filter allows you to select between displaying all verified shooting incidents, injury shooting incidents, and non-injury shooting incidents. An injury shooting incident identifies that someone is either deceased or injured on the incidents, not the number of people involved in the incident. Therefore, any injury shooting totals represent the number of such incidents, not the number of people injured/deceased.

The second visualization is a year to date comparison of the number of shootings. When you hover over a specific year it will provide information on the percent change from each of the previous years for the same time frame. The last visualization is a table displaying the number of incidents occurring in each month since 2019.

The **second tab** provides two interactive visuals displaying shooting events according to the neighborhood they occurred in. Incidents that occurred outside of Portland City Limits may be reported and/or investigated by the Portland Police Bureau, and are included in month-to-month comparisons, however, they are not displayed on the Neighborhood Map.

The second tab has three filters: filter by date, shooting type, and by selecting a neighborhood. The first two filters, date and shooting type, impact all visuals and perform in the same way as described for tab one. The third filter provides the opportunity to select a specific neighborhood and also applies to both the map and the timeline visual at the bottom of the page. The *Neighborhood shooting incident choropleth* map is an outline of Portland neighborhoods using the Portland Police Bureau boundaries. The map dynamically updates based on selected filters. Darker colors signal a higher number of reported shooting offenses. The minimum and maximum values on the color scale adjust based on the other filters. Hover the mouse over a shape to view more specific information about that neighborhood. Select a neighborhood from the dropdown to view an inset graduated symbol map that depicts incidents at the 100-block level. To close the inset map, select the “Clear Selection” button or select “All” from the neighborhood dropdown menu.

Note: some incidents may not appear on the 100-block level map due missing or unavailable location information. Therefore, the number of incidents depicted on the 100-block level map may not equal the number of incidents for the selected neighborhood. Incident volume at a single 100-block location is denoted by circle size.