The dashboard presents information from Scottish Health Service Costs (often referred to as the 'Costs Book') which is published annually by ISD, with the support of the Scottish Government Health Department (SGHD). The Costs Book is the only source of published costs information for NHSScotland, and provides a detailed analysis of where its resources are spent.

Important notes concerning the data are provided on the Costs publication website.

Available Information
The dashboard uses source data published for all NHS Boards and Golden Jubilee. The board level data has been aggregated to provide figures for costs at regional and national level; more detailed hospital level data is available in the Map View and Compare sections of the dashboard. The dashboard displays information pertaining to the last 5 financial years for which data has been published. The Costs publication website contains full file listings and publications and can be found here.

Important Notes
Care should be taken not to compare costs/unit costs with activity data from other sources due to alignment concerns. The same applies to staff numbers included here.

The category ‘Other’ is broad; it includes all normal x-ray examinations and other types of examination such as arteriography, fluoroscopy, mammography and cardiac radiology. Some of these services are expensive e.g. interventional radiology, fluoroscopy. It is not currently possible to drill down into these sub groupings.

As the dashboard contains historic data, there is the facility to switch between actual costs (cash terms) and costs in real terms i.e. a measure of the value of money that removes the effect of inflation. In the dashboard (in line with the Costs Book) real terms costs for the most recent year (2017/18) remain unchanged whereas costs for previous years are divided by an adjustment factor determined by HM Treasury e.g. real terms costs for 2016/17 show what the cost of providing goods and services from that year would have been in 2017/18. The Costs Book publication and this dashboard used the HM Treasury adjustment factor, published 1 November 2018.

The description for the Ultrasonics service changed in 2014/15 from Ultrasonics to Ultrasonics (excluding Obstetrics).

Data Quality
Further information regarding data quality considerations and collection methodologies can be found by visiting the full publication which can be found in the costs publication website here.

Source of Data
The data source used is the SFR5.11. The full publications are available on the Costs website (see useful links). Full reference information is available here.
Accessing the Dashboards
After accessing the NRIIP dashboards, the costs dashboards can be found within the NRIIP Level 1 – National & Comparative Analysis projects folder.

Notes and Useful Links
Important notes and useful links can be viewed by clicking on the symbol shown to the right. The symbol is located in the top right of all dashboard tabs.

Navigating the Dashboards
The dashboard views are can be navigated using the buttons shown in the example below. The tab which is currently selected is highlighted and users can navigate to a different tab by clicking on the appropriate title.

Using Filters
Single Select Dropdown Filter
This type of filter can be accessed by clicking on the small arrow circled in red.
A single option can be selected from the drop down by clicking on it directly.
Multi Select Dropdown Filter
Some filters allow the user to select more than one option. The filter can again be accessed by clicking on the small arrow circled in red. Multiple options can be selected from the drop down by clicking the tick boxes. Above the options there is a small text input box (highlighted with the red line). The search function works in the same way as a single select filter.

Options to Change Views
Option buttons are used to allow the user to switch between different metrics or to amend the way in which the information is presented. The example below shows the option to view costs as actual or real terms figures. Clicking a selection directly affects the metrics reflected in all charts within the view.

Some charts allow the user to change what is represented via an embedded drop down menu as per the example below.
Interacting with Dashboards

Tooltips providing detailed information for the data displayed in the charts can be displayed by moving the cursor over the part of the chart that is of interest.

Overview of Tabs

All Costs & Staff Costs

All Costs Overview / Staff Costs Overview
Provides a number of headline figures based upon data from the most recently published costs book data and some basic trends. Users can apply filters to view a board or region of interest.

All Costs Trends / Staff Costs Trends
Trend tabs show all costs data across a 5 year period. Users can specify whether the information is presented actual or real terms costs.

Cost Per Exam
The view provides metrics relating to average costs per exam type. Users are able to view by board or region and can choose a year to view.

Direct Staff Costs
Details of costs per staff group and whole time equivalents are presented in this tab.

All Costs Data / Staff Costs Data
The tab presents a detailed view of the underlying data, filterable by service and year. Useful for quickly comparing the figures behind the charts.

Map View
The map element of the dashboard presents details of radiology costs by the geographic regions covered by each health board. Details about where services are provided within each board are presented.

Compare
The compare element of the dashboards allows users to compare regions, boards, and individual sites along various costs measures.