Description:

This plugin allows to dynamically create and download in Excel format a data table with patients' observations by merging a Patient Set and multiple Concetps (Ontology Terms).

Installation:

– Put the folder "*export-files*" in the /`webclient` folder;

– Put the library "*jquery-1.6.1.min.js*" in the /`webclient/js-ext` folder;

– Put the folder "*ExportXLS*" in the /`webclient/js-i2b2/cells/plugins/standard` folder;

– Modify the /`webclient/default.html` including the red lines reported below in order to allow the use of jquery library:

```
[..]
<!--  External libraries -->
<script type="text/javascript" src="js-ext/prototype.js"></script>
<script type="text/javascript" src="js-ext/firebug/firebugx.js"></script>
<script type="text/javascript" src="js-ext/excanvas.js"></script>
<script type="text/javascript" src="js-ext/jquery-1.6.1.min.js"></script>
<script>
 var $j = jQuery.noConflict();
</script>

<!-- load i2b2 framework -->
[..]
```

– Modify the /`webclient/js-i2b2/i2b2loader.js` including the following red lines in order to add the plugin in the analysis tool list:

```
[..]
{ code:      "PLUGINMGR",
   forceLoading: true,
   forceConfigMsg: { params: [] }
},
{ code:      "ExportXLS",
   forceLoading: true,
   forceConfigMsg: { params: [] },
   forceDir: "cells/plugins/standard"
},
{ code:      "ExampHello",
   forceLoading: true,
```

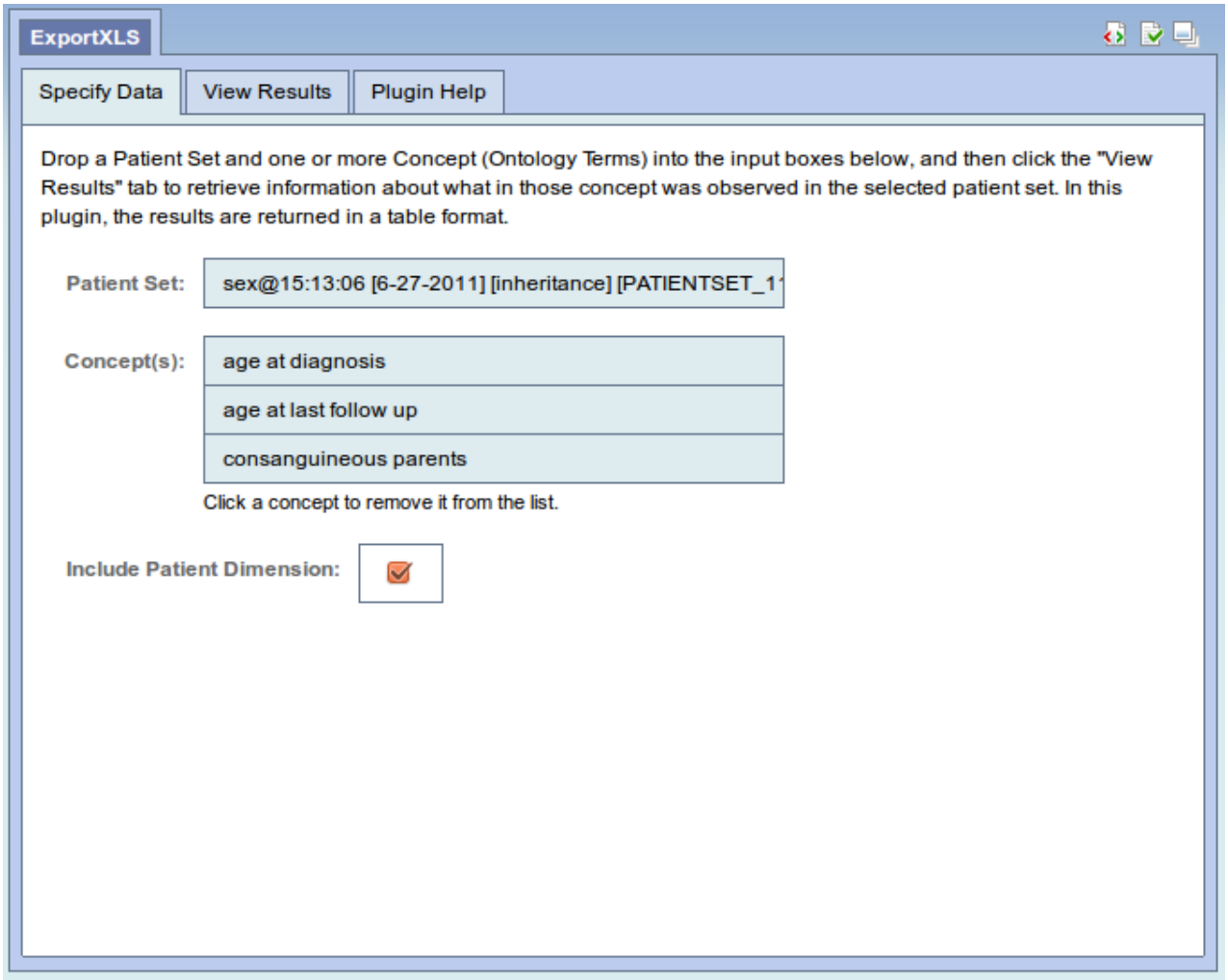
```
        forceConfigMsg: { params: [] },
        forceDir: "cells/plugins/examples"
    },
    [..]
```

In this way, the *ExportXLS* plugin is the first of the analysis tool list.

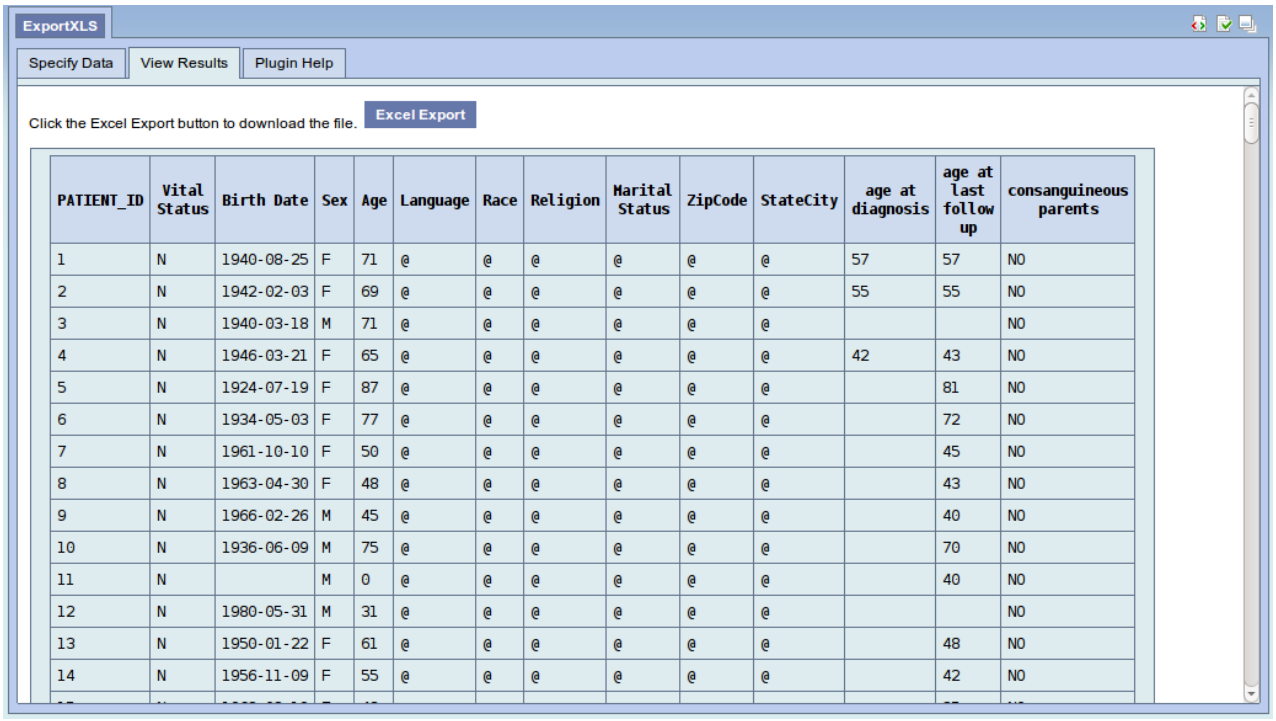
Instructions:

– Navigate to the "Specify Data" tab. Then, drag and drop a Patient Set and one or more Concepts (Ontology Term) onto the input boxes.

– Check or uncheck the *Include Patient Dimension* box if you want to include the *patient_dimension* information for each patient.



– Finally, click the "View Results" tab to view the table of the observations.



PATIENT_ID	Vital Status	Birth Date	Sex	Age	Language	Race	Religion	Marital Status	ZipCode	StateCity	age at diagnosis	age at last follow up	consanguineous parents
1	N	1940-08-25	F	71	@	@	@	@	@	@	57	57	NO
2	N	1942-02-03	F	69	@	@	@	@	@	@	55	55	NO
3	N	1940-03-18	M	71	@	@	@	@	@	@			NO
4	N	1946-03-21	F	65	@	@	@	@	@	@	42	43	NO
5	N	1924-07-19	F	87	@	@	@	@	@	@		81	NO
6	N	1934-05-03	F	77	@	@	@	@	@	@		72	NO
7	N	1961-10-10	F	50	@	@	@	@	@	@		45	NO
8	N	1963-04-30	F	48	@	@	@	@	@	@		43	NO
9	N	1966-02-26	M	45	@	@	@	@	@	@		40	NO
10	N	1936-06-09	M	75	@	@	@	@	@	@		70	NO
11	N		M	0	@	@	@	@	@	@		40	NO
12	N	1980-05-31	M	31	@	@	@	@	@	@			NO
13	N	1950-01-22	F	61	@	@	@	@	@	@		48	NO
14	N	1956-11-09	F	55	@	@	@	@	@	@		42	NO

Important note and conclusions:

Currently the results table shows only the first observation drawn from the *xml-response* for each selected concept. This means that, if you select a concept that contains multiple subconcepts, the results table will contain only the first observation.

It's therefore important for the user to select concepts that may be related to a single observation.

We have also thought to collect all the observations from the xml, but the table of the results would have become confusing.

We welcome comments and suggestions to improve the plugin.