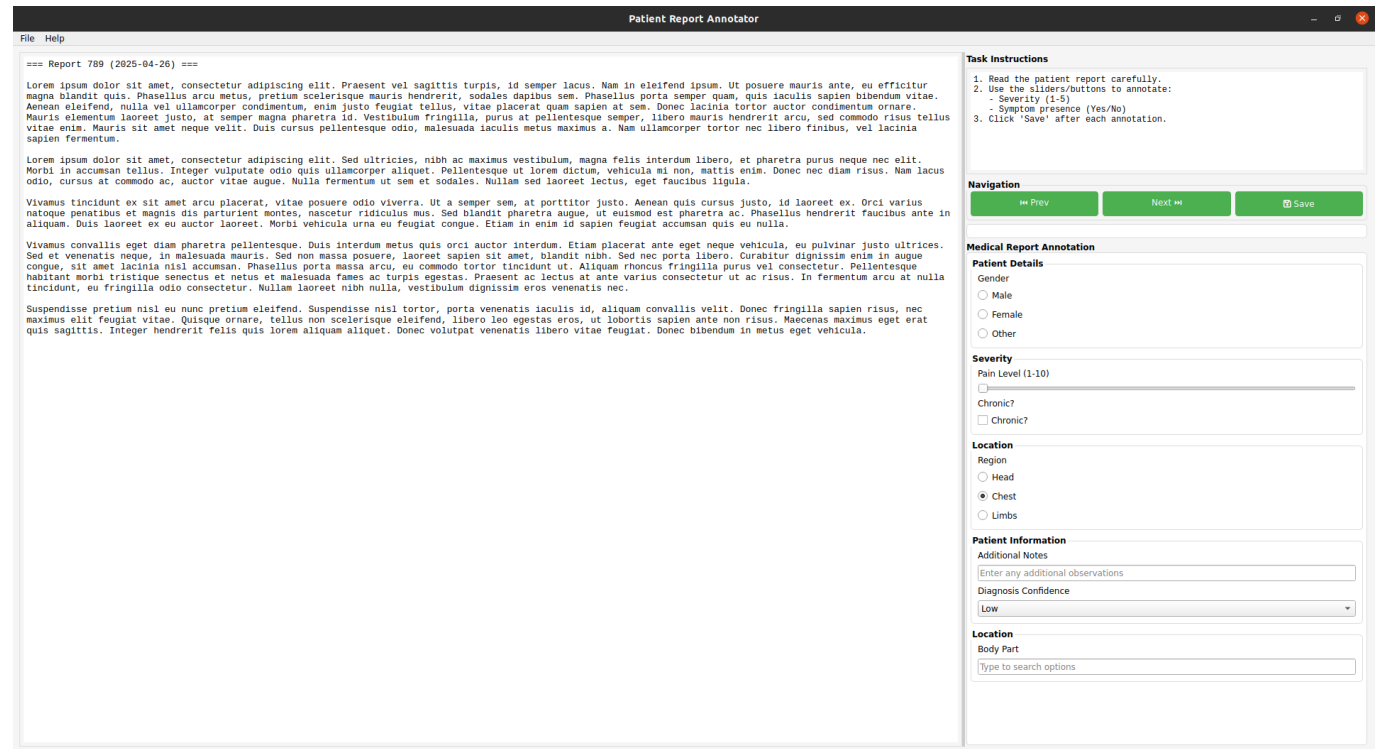


Patient Report Annotator - User Guide

Interface Overview

The application has three main areas:

- 1. **Left Panel:** Displays the patient report text(s)
- 2. **Right Panel - Top:** Shows task instructions
- 3. **Right Panel - Bottom:** Contains the annotation controls



Navigation Controls

- **Prev/Next:** Move between reports or patients (**Ctrl+←**/**Ctrl+→**)
- **Save:** Save current annotations and move to next unannotated item (**Ctrl+S**)
- **Progress Bar:** Shows your completion status

Menu Options

- **File → Settings:** Change input files or preferences
- **File → Save to CSV:** Export annotations in CSV format
- **Help → About:** View application information

Settings

Configure application behavior through:

- **Annotator Name:** Optional identifier for your work
- **View Mode:**
 - ☒ Show all reports for a patient at once ([Group Mode](#))
 - ☐ Show single reports (Default Mode)
- **File Paths:**
 - **CSV:** Patient reports data file
 - *Column Headers:* Select your CSV columns to expected fields (default options displayed)
 - **YAML:** Annotation task definition
 - **JSON:** Where to save annotations

Settings

Annotator Name (optional):

Enter your name

☐ Show all reports for a patient at once

File Paths:

CSV File:

Browse...

Columns:

Patient Unique Identifiers: Patient-ID

Report Unique Identifiers: Report-ID

Report Dates: Report-Date

Report Free Text: Text

YAML Task File:

Browse...

Output JSON File (leave empty for default):

Browse...

OK Cancel

Access via: **File** → **Settings** or **Ctrl+O**

Annotation Workflow

- 1. **Read the report text** in the left panel
- 2. **Review the instructions** in the top right panel
- 3. **Complete all annotation fields** in the bottom right panel
- 4. **Click Save** to store your annotations or **Ctrl+S**
- 5. **Move to the next report** using the Next button (**Ctrl+→**) or Save button (**Ctrl+S**)

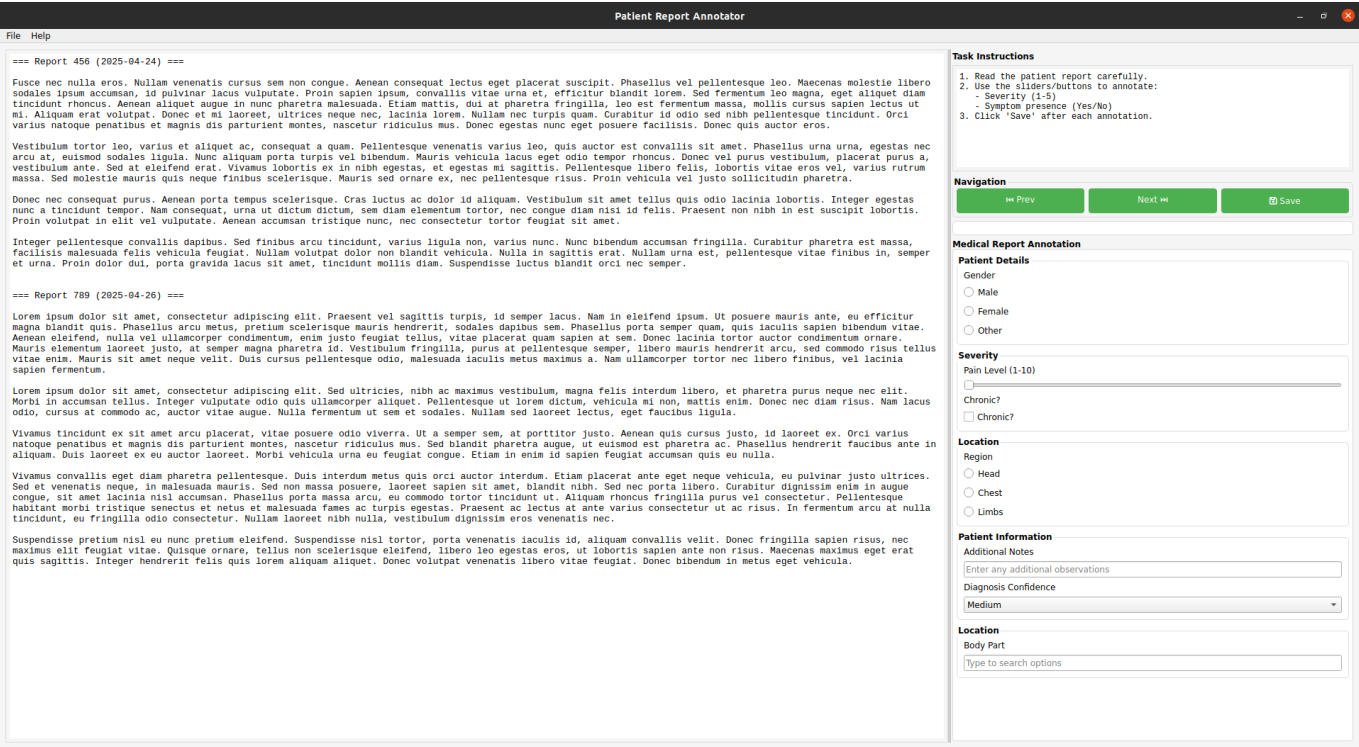
Group Mode vs. Single Report Mode

Single Report Mode (default)

- Shows one report at a time
- Each report gets independent annotations
- Best for focused annotation tasks

Group Mode (enable in Settings)

- Shows all reports for a patient together
- Applies same annotations to all reports
- Ideal for reviewing patient history



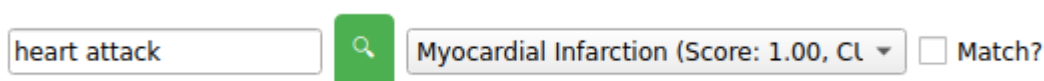
UMLS Concept Linking

For medical concept standardization:

1. Enter a term (e.g., "heart attack")
2. Click search button (🔍)
3. Select from suggested concepts
4. Confirm with "Match?" checkbox

Example UMLS results:

1. Myocardial Infarction (Score: 1.00, CUI: C0027051)
2. Heart Attack (Score: 0.95, CUI: C0027051)
3. Acute MI (Score: 0.90, CUI: C0027051)



Saving and Exporting

Automatic Saving

- Annotations save to JSON when:
 - Clicking Save
 - Changing settings
 - Closing application
 - **Ctrl+S**

CSV Export

1. Go to **File** → **Save to CSV** or **Ctrl+E**
2. Choose location
3. File will contain:
 - All annotation fields
 - Patient/report IDs
 - Timestamps
 - Annotator name

Configuring the UI

The annotation interface is configured through a YAML file that defines:

- Task instructions
- Grouping of related questions
- All input control types and their options

So for your task you will need to create your own YAML configuration file.

Basic Structure:

```
name: "Your Task Name"
instructions: "Detailed instructions for annotators..."
groups:
  - label: "Section 1"
    controls: [...]
  - label: "Section 2"
    controls: [...]
```

Annotation Control Types

The application supports several input types:

Control Type	Description	Example Use	YAML Example
Checkbox	Simple yes/no option	"Present/Absent" findings	<pre>- label: "Malignant" type: "checkbox" required: true</pre>
Radio Buttons	Single selection	Gender selection	<pre>- label: "Gender" type: "radio" options: ["Male", "Female", "Other"]</pre>

Control Type	Description	Example Use	YAML Example
Slider	Numeric value within range	Confidence level (0-100)	<pre>- label: "Confidence" type: "slider" min: 0 max: 100 default: 50</pre>
Text Field	Free text input	Additional notes	<pre>- label: "Comments" type: "text" placeholder: "Enter notes..."</pre>
Dropdown	Predefined options	Diagnosis categories	<pre>- label: "Diagnosis" type: "dropdown" options: ["AML", "ALL", "CML"]</pre>
Autocomplete	Text with suggestions	Medication names	<pre>- label: "Medication" type: "autocomplete" options: ["Aspirin", "Ibuprofen", ...]</pre>
Date Picker	Calendar date selection	Event date	<pre>- label: "Onset Date" type: "date"</pre>
UMLS Mapper	Medical concept linking	Standardized diagnoses	<pre>- label: "Diagnosis" type: "text" mapper: true</pre>

Advanced Configuration Options:

1. **Collapsible Sections:** Usefull when having large sections, or different questions for specific use-cases.

```
- label: "Advanced Findings"  
  collapsible: true  
  initially_expanded: false  
  controls: [...]
```

2. **Default Values:** Will show this initially and save default if not changed

```
- label: "Status"  
  type: "dropdown"  
  options: ["Active", "Resolved", "Chronic"]  
  default: "Active"
```

3. **Required Fields:** Upon saving will check if these field are filled in, and if not throw a reminder

```
- label: "Primary Diagnosis"  
  type: "text"  
  required: true
```

Example Complete Configuration:

```
name: "Oncology Report Annotation"
instructions: "Annotate tumor characteristics and treatment details..."

groups:
  - label: "Patient Demographics"
    controls:
      - label: "Age at Diagnosis"
        type: "slider"
        min: 0
        max: 120

      - label: "Gender"
        type: "radio"
        options: ["Male", "Female", "Other"]
        required: true

  - label: "Tumor Characteristics"
    collapsible: true
    controls:
      - label: "Primary Site"
        type: "text"
        mapper: true
        required: true

      - label: "Stage"
        type: "dropdown"
        options: ["I", "II", "III", "IV"]
```

Tips

1. Start with simple controls and add complexity gradually
2. Use collapsible sections for detailed annotations
3. Test your YAML file after each major change
4. Maintain consistent indentation (2 spaces recommended)
5. (Bonus cheat) Use an LLM like chatGPT and provide this documentation, one of the example yaml and a wish list (i.e. what you would like to annotate). It often does a good job generating a suitable yaml configuration file.

Troubleshooting

Common Issues

1. UMLS search not working:

- First search will download required data (may take several minutes)
- Ensure you have an internet connection
- Check console for error messages

2. CSV file not loading:

- Verify column headers match your settings
- Check for special characters or formatting issues
- Ensure date fields are in recognizable formats

3. Annotations not saving:

- Check if output file location is writable
- Verify you have permission to write to the directory

For additional support, contact: [BIGR Group](#)