



Trier: Step-by-Step User Guide

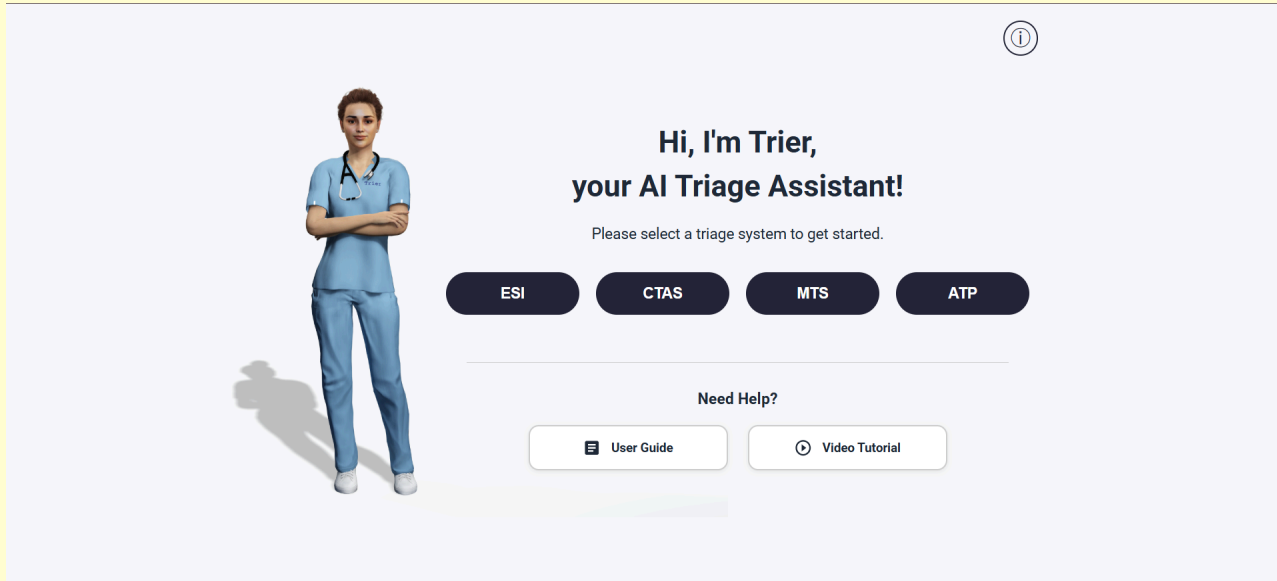
1. Launching Trier

You can access the Trier AI Triage Assistant through your web browser using the following link:

<https://www.dr-trier.org/>

Once the page opens, you will see the welcome screen displaying the message:

“Hi, I’m Trier, your AI Triage Assistant!”

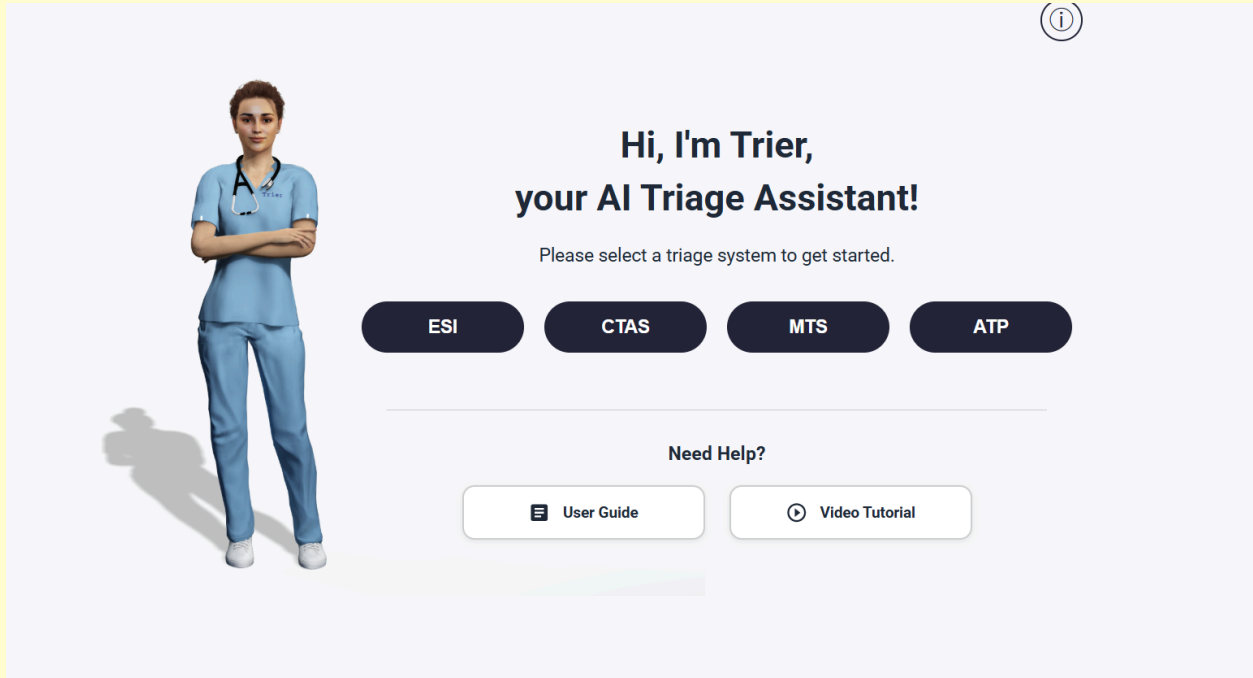


2. Selecting a Triage System

Choose the triage protocol used by your hospital:

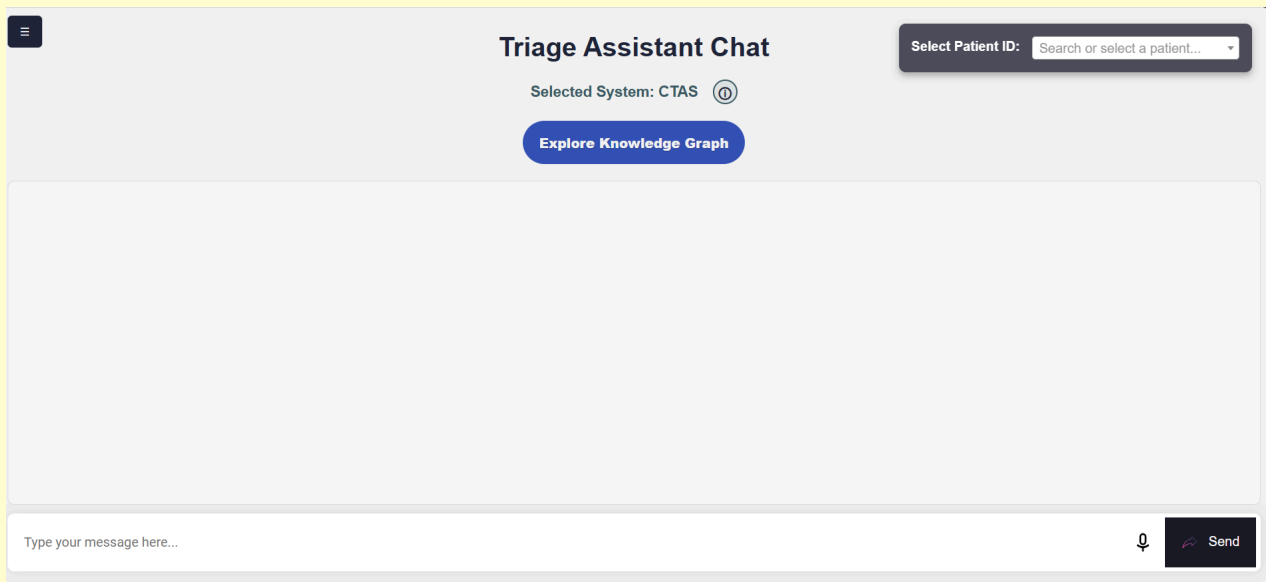
- **ESI** – Emergency Severity Index
- **CTAS** – Canadian Triage and Acuity Scale
- **MTS** – Manchester Triage System
- **ATP** – AIIMS (All India Institute of Medical Sciences) Triage Protocol

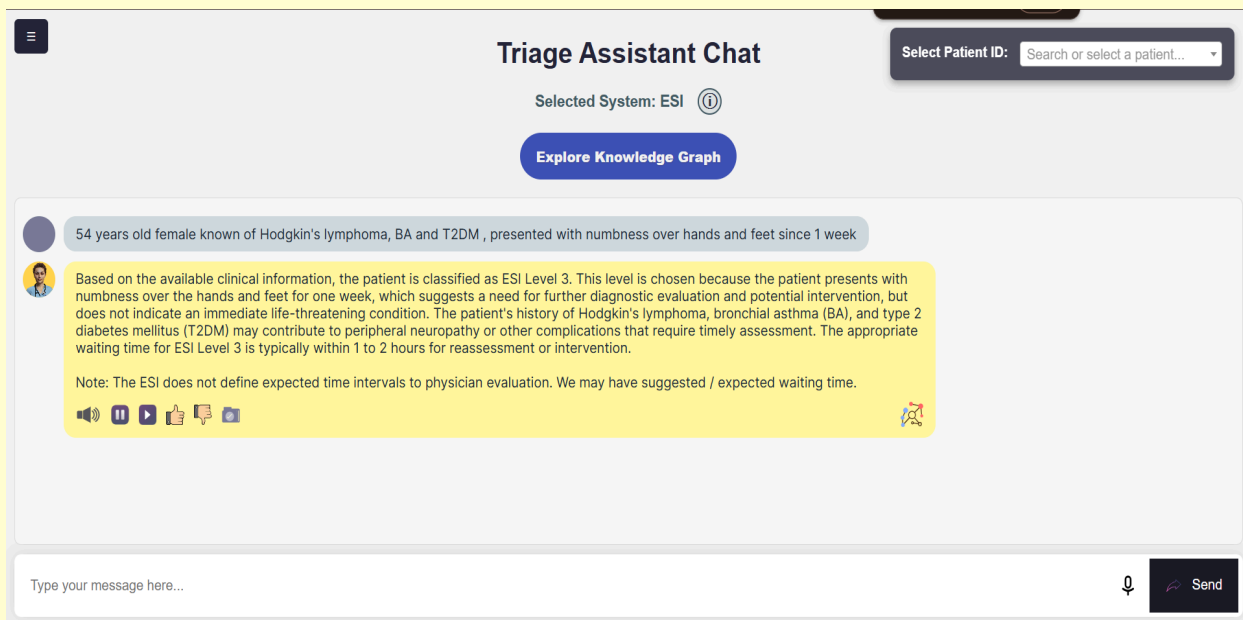
Click the appropriate button to proceed.



3. Interacting with Trier

On the chat page, you can interact with Trier in two ways, depending on whether a patient is selected.





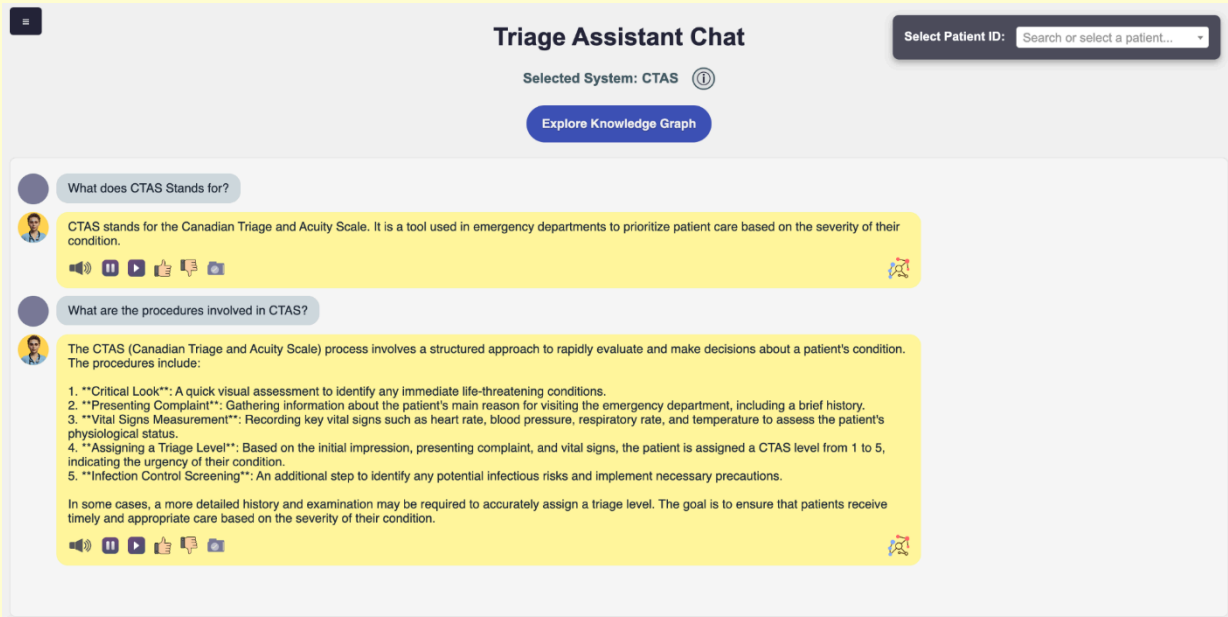
A. If No Patient Is Selected

You may prompt Trier with a **general triage scenario** by providing essential clinical information, such as:

- Presenting symptoms
- Patient age
- Sex
- Symptom duration
- Any other relevant clinical details required to determine severity

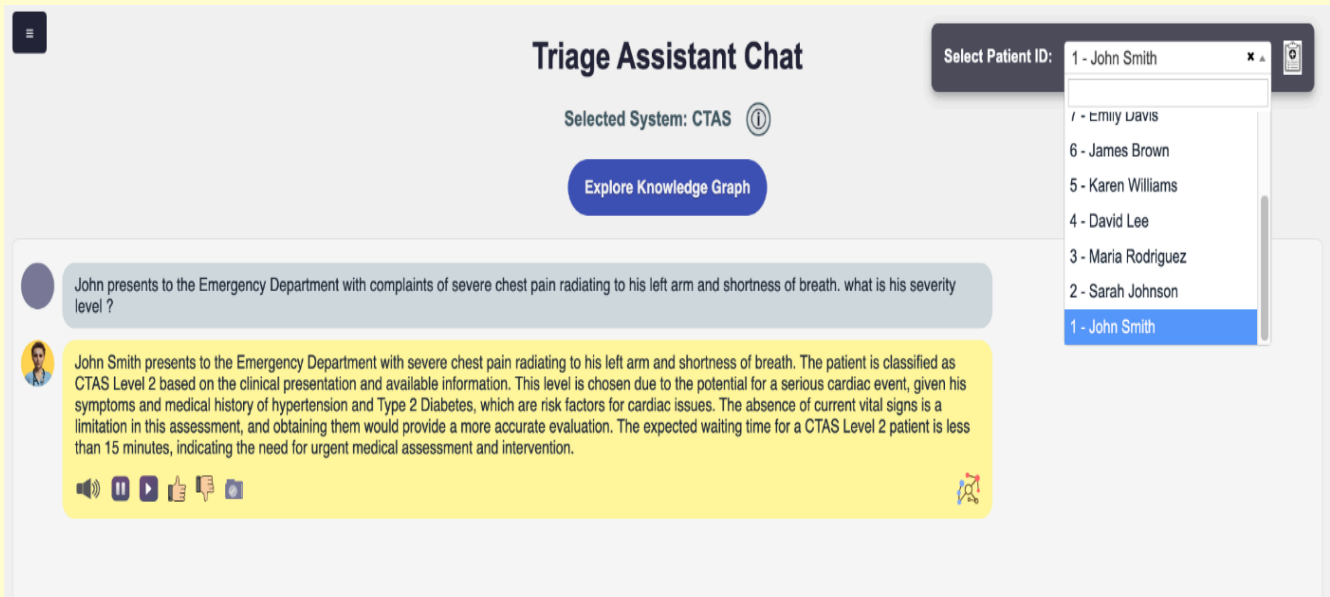
You may also ask **general clinical or triage-related questions**, which is useful for:

- Reviewing triage guidelines
- Understanding triage rules
- Clarifying symptoms, risks, or procedures



B. If a Patient is Selected

1. Locate the **Select Patient ID** dropdown in the top-right corner of the screen.
2. Search for or select a patient (e.g., *John Smith*).



3. Once selected, all chat interactions will be linked to that patient's medical record.

Select Patient ID:

9 - Lisa Thompson





To the left of the patient selector, you will see a **Report Icon**.

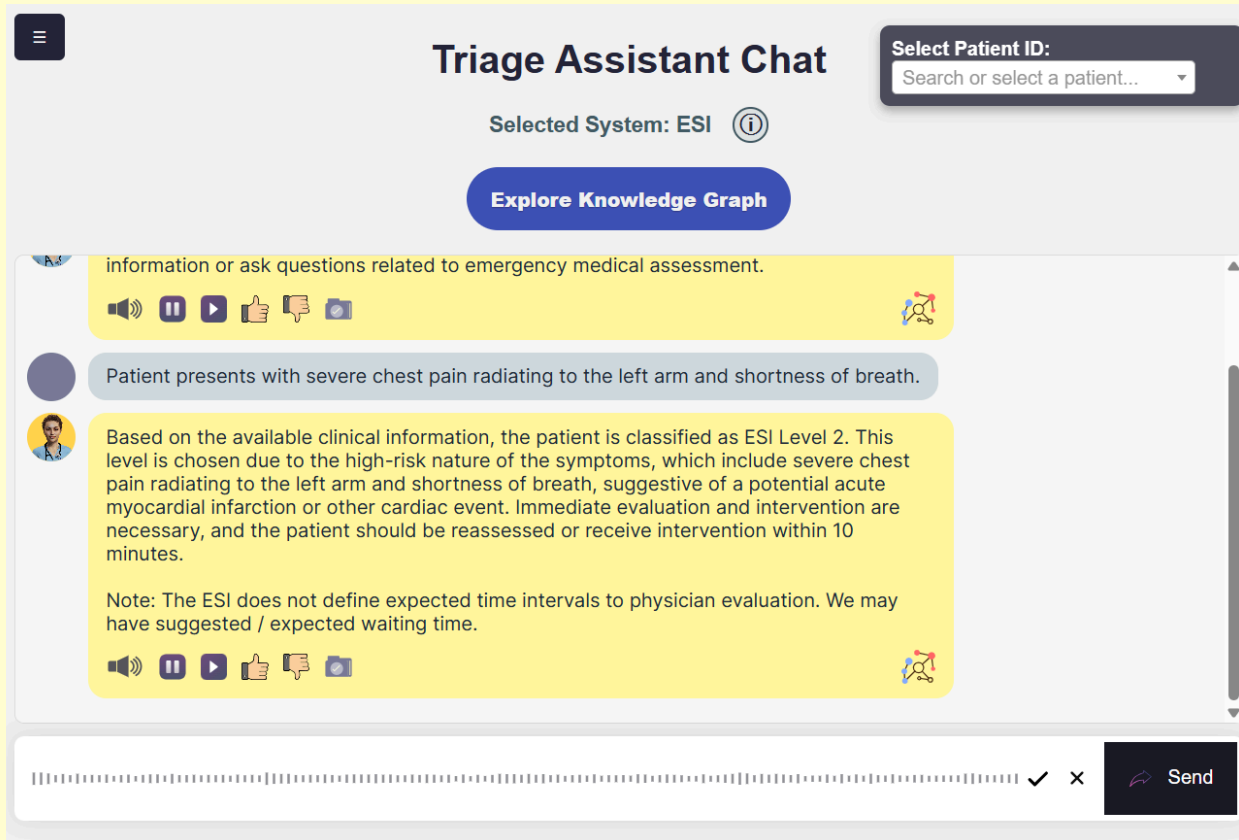
- Clicking this icon opens the patient's existing report card for viewing.
- This action **does not generate a new report**; it only displays the current one.

Patient Profile	
Lisa Thompson	
Patient ID:	9
Age:	54
Gender:	Female
Primary Physician:	Dr. Christine Walker
Last Visit:	2024-09-08
Medical Information	
Diagnosis:	Osteoporosis, GERD
Medications:	Alendronate, Omeprazole
Allergies:	Iodine
Emergency / Triage Summary	
Emergency Visit Date:	2025-12-07
Emergency Diagnosis:	Shortness Of Breath, Cardiac
Emergency Treatment:	Oxygen
Triage Level:	ESI Level 2
Vital Signs:	N/A
Pain Level:	N/A
Urgency Notes:	Critical condition requiring immediate attention; High priority patient

C. Providing Clinical Input to Trier

You can interact with Trier naturally, similar to chatting with a clinical colleague:

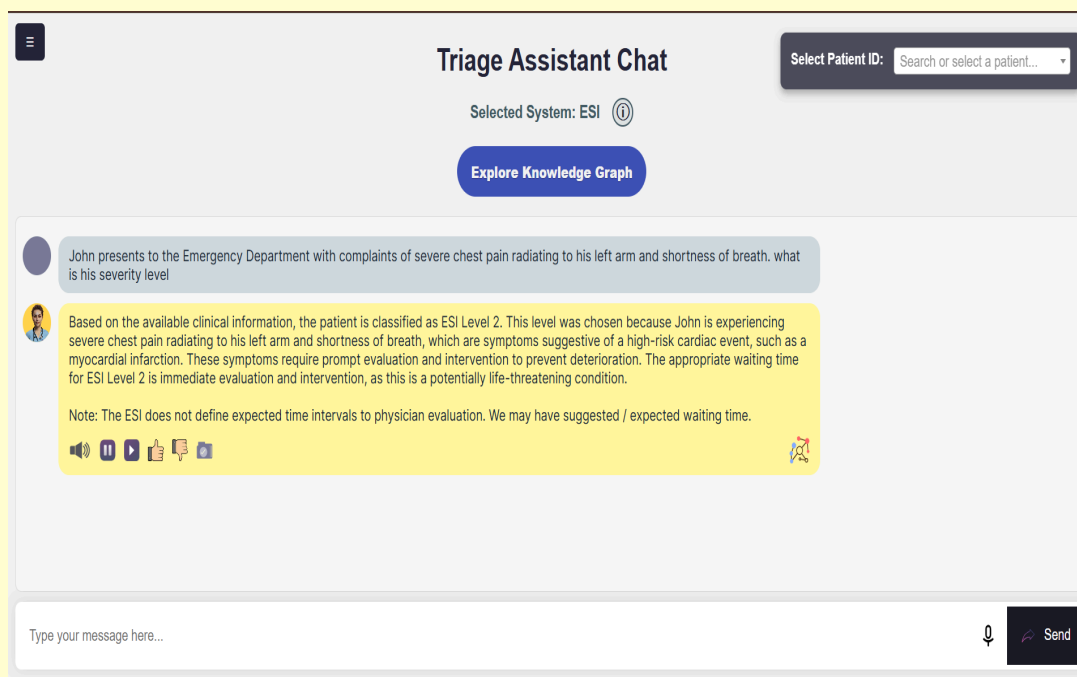
- **Type:** Enter symptoms in the chat bar at the bottom of the screen.
 - *Example:*
“Patient presents with severe chest pain radiating to the left arm and shortness of breath.”
- **Voice Mode:** Click the **Microphone icon**  to dictate symptoms when hands-free input is needed.
- **Send:** Click the **Paper Plane icon**  to submit the query.



4. Reviewing the Triage Card








After processing the input, Trier will display a **yellow-colored** response box containing:

- **Triage Level:** A clear severity classification (e.g., *ESI Level 2*).
- **Rationale:** A concise clinical explanation justifying the assigned level.
- **Recommended / Expected Waiting Time:** The maximum safe time before the patient should be evaluated by a clinician.



5. Understanding the Response Icons

Once Trier generates a response, a row of icons appears at the bottom of the response box. Each icon performs the following function:

Icon	Name	Function
	Read Aloud	Plays an audio version of the assessment. Useful when attention must remain on the patient.
	Pause	Temporarily pauses the audio playback.
	Play	Resumes audio playback from where it was paused.
	Thumbs Up	Confirms the triage level was accurate. This positive feedback helps reinforce system performance.
	Thumbs Down	Flags the response for review if a critical symptom was missed or the level appears incorrect.
	Save	Saves the assessment. This action is available only when a patient is selected. Saving finalizes the triage session and logs the notes into the patient's permanent medical record.
	Visualize the result	Visualizes the decision logic by opening the Knowledge Graph, showing how symptoms map to the assigned triage level.

6. Response Visualization (Graph Icon ())

A. Graph

visually explains how Trier reached the triage decision by showing the connections between reported symptoms, clinical reasoning, and the final triage level.

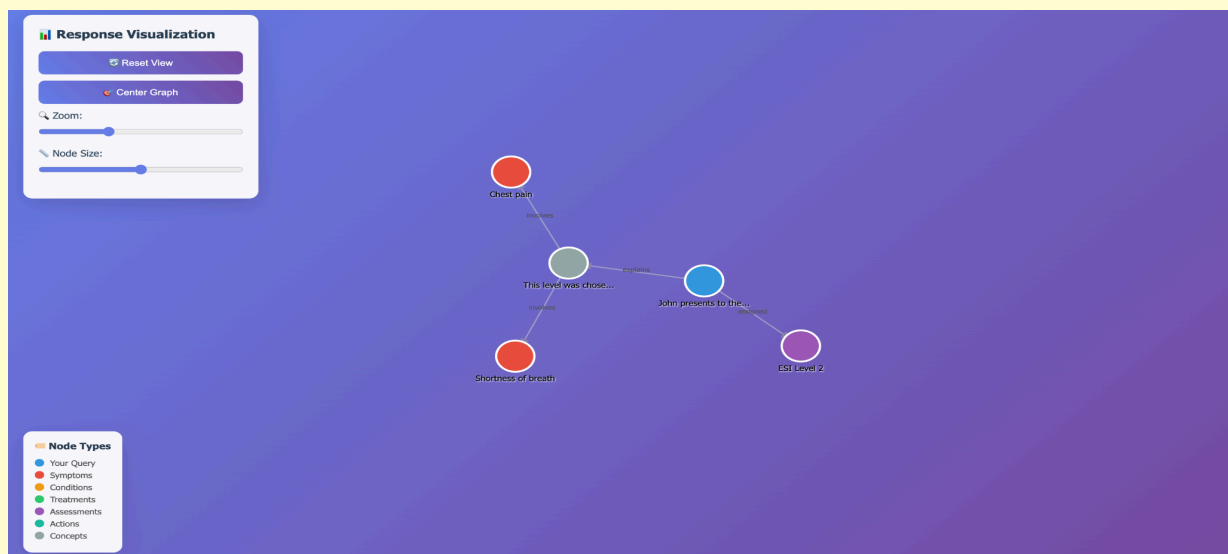
- **Nodes** represent symptoms, clinical concepts, and assessments.
- **Connections** show how symptoms influence the assigned triage level.
- **Color coding** helps distinguish different node types.

B. Controls

- **Reset View:** Restores the default layout
- **Center Graph:** Re-centers the visualization
- **Zoom:** Adjusts the view scale
- **Node Size:** Changes node readability

C. Legend

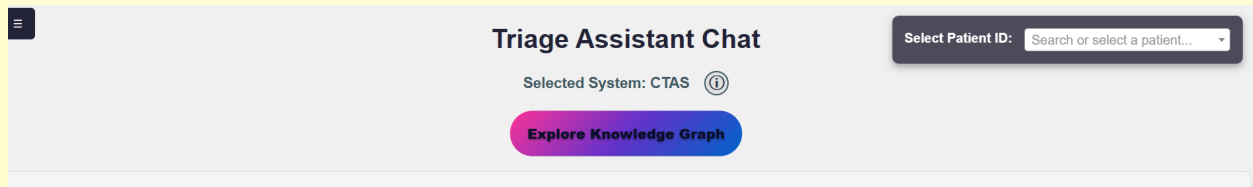
The legend identifies node categories (e.g., symptoms, assessments, actions), helping users quickly interpret the graph.



This visualization improves **transparency, explainability, and clinical confidence** in the triage outcome.

7. Explore Knowledge Base

From the chat page, click Explore Knowledge Graph to access the Knowledge Base interface. This section allows you to explore the underlying clinical resources Trier uses to generate triage decisions.

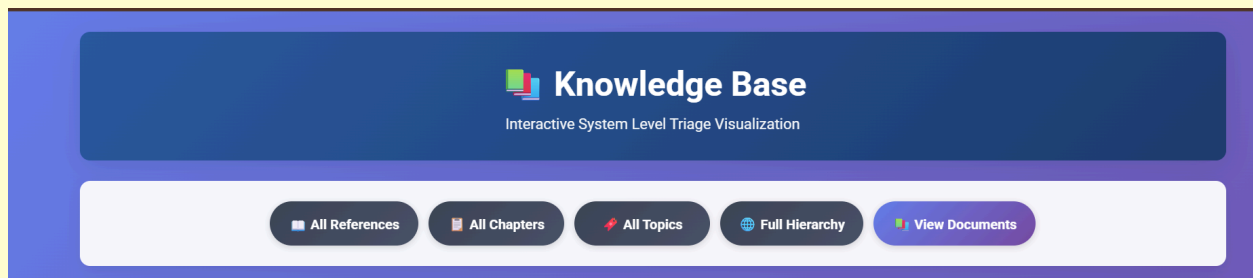


A. Text-Based Exploration

Browse triage resources using the buttons at the top of the page:

- All References
- All Chapters
- All Topics
- Full Hierarchy

These options present the content in a structured, text-based format for efficient review.

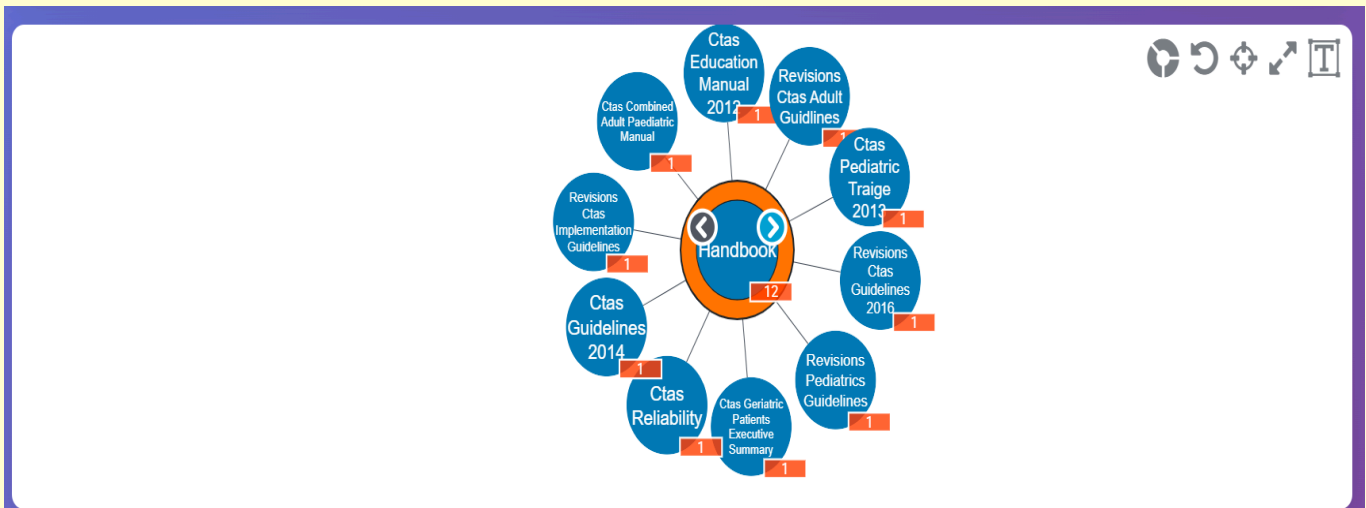


B. Graphical Exploration

Use the interactive knowledge graph to:

- Visualize the structure of the selected triage system
- Expand or collapse nodes to explore references, chapters, and topics

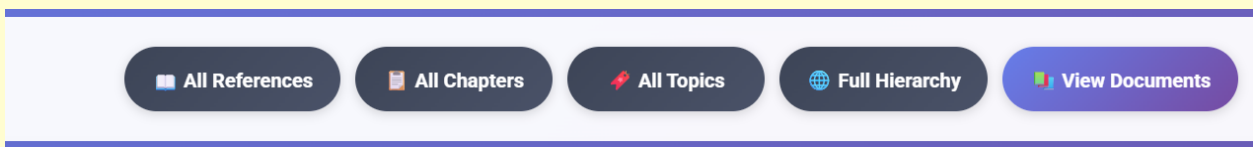
- View the full system hierarchy or focus on specific decision pathways



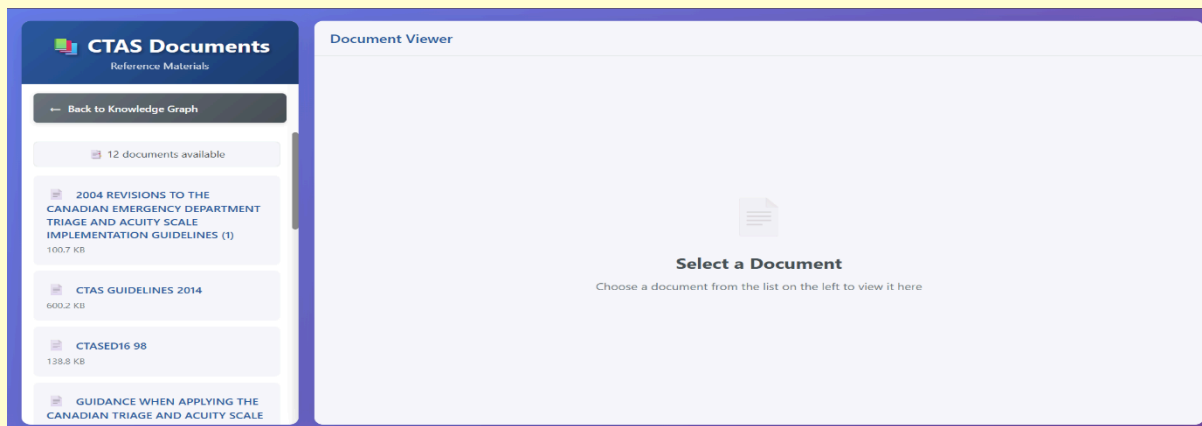
This mode helps clarify how triage rules and logic are organized.

C. View Original Documents

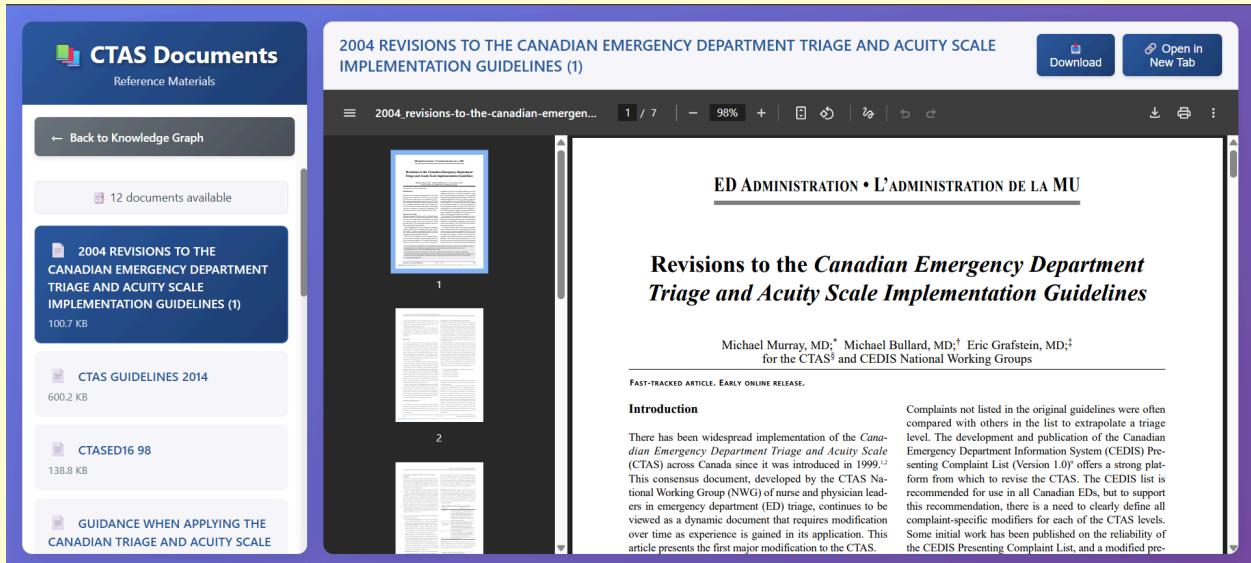
- Select View Documents to access the original reference materials.
- Choose a document from the list on the left



- Click View Document to open the PDF.



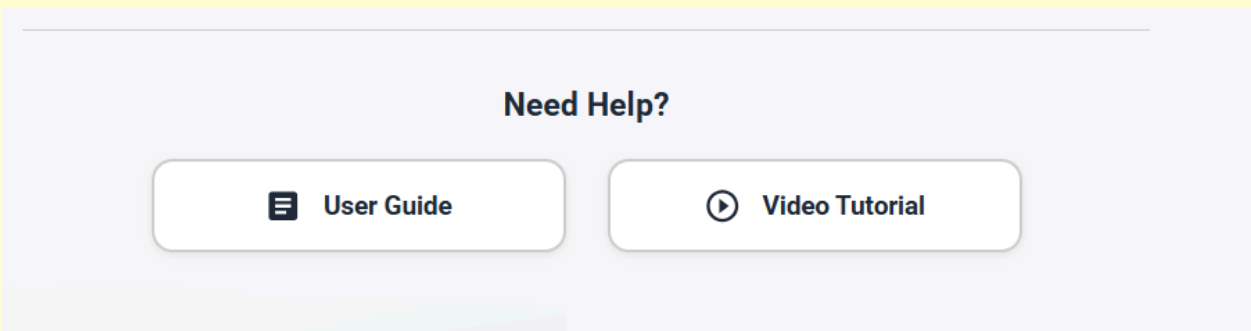
- Use the Download button to save the document locally.



8. Need Help?

From the home screen, you can access additional support resources:

- **User Guide** – Opens the complete manual
- **Video Tutorial** – Provides a step-by-step demonstration of how to use Trier



Contact Us

If you have questions, require technical assistance, or would like to provide feedback regarding the Trier AI Triage Assistant, please contact us using the details below.

Email: only1amalusa@gmail.com

Our team will review your request and respond as soon as possible.
