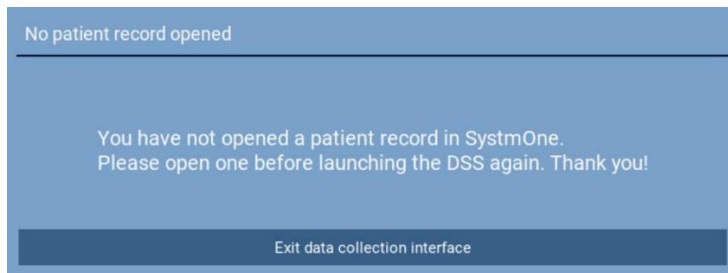
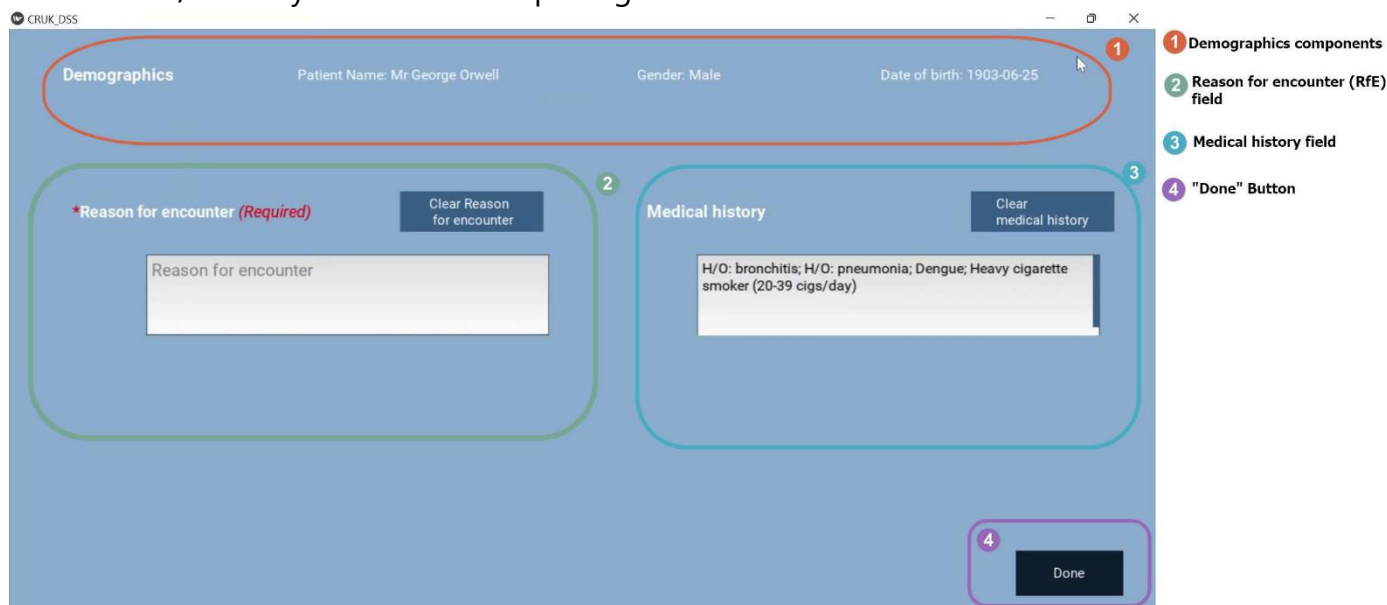


## DSS Functionalities Summary

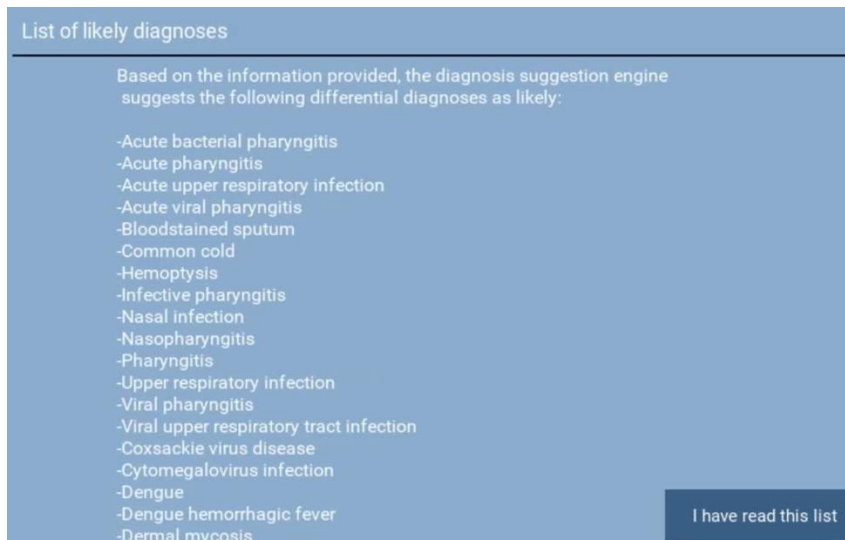
**Before using the DSS**, please open a patient record in SystmOne first. If no record is opened, you should see a popup prompting you to open a patient record and relaunch the DSS.



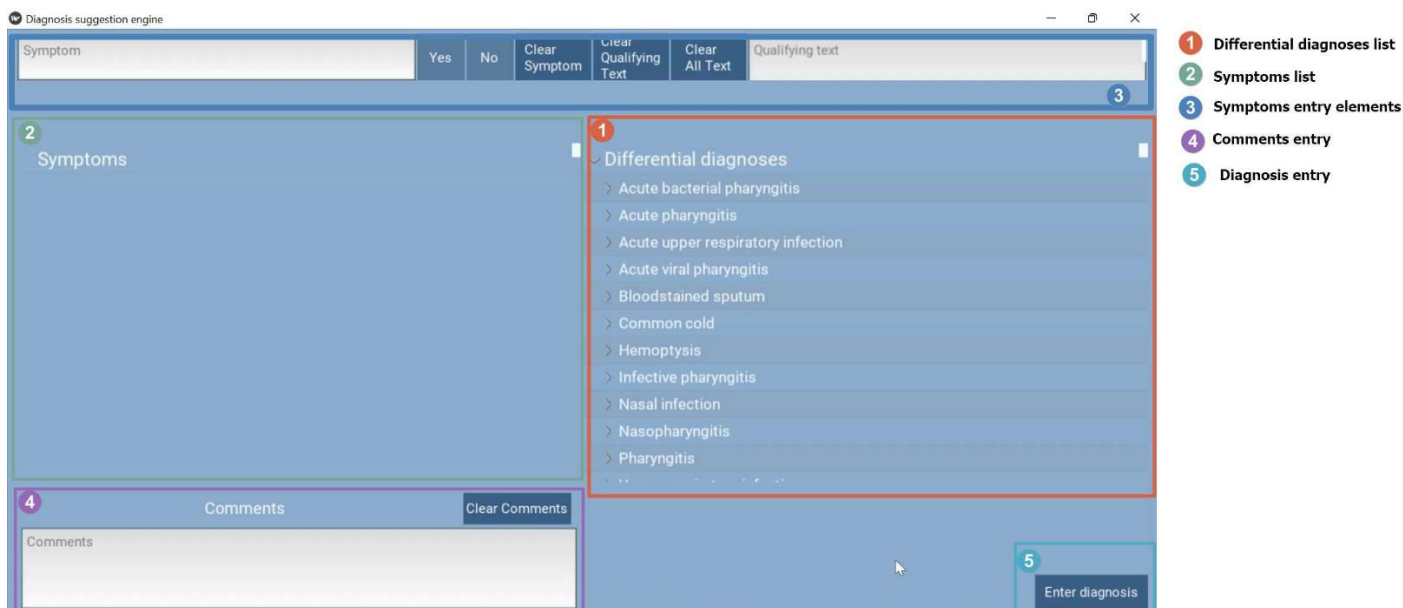
The figure below shows the **four main components** of the Data collection interface, which is the interface/screen you'll see when opening the DSS.



1. **Demographics component:** This element shows some basic patient demographics, such as patient name, date of birth, and gender, for confirmation that the correct patient is loaded.
2. **The Reason for Encounter field (RfE):** This is a field with autocomplete: as you type letters, suggestions will appear. The Reason for Encounter is the principal problem that the patient has brought to the consultation.
3. **The Medical History field:** It is pre-filled with the information contained in the EHR record of the patient. Removing items removes them from consideration in the generation of differential diagnosis suggestions. Please note: removing items from the medical history box DOES NOT remove them from the EHR (i.e SystmOne) record itself.
4. **"Done" button:** When you press the "Done" button, you'll see a popup with a list of likely diagnoses that you can scroll through.



After you have scrolled through the list of suggested likely diagnoses, click on the **“I have read this list” button**. This will reveal the **DSS interface** composed of **five main components**. AT THIS POINT OF DEVELOPMENT, THE LIST IS NOT COMPREHENSIVE NOR IS IT VALIDATED SO SHOULD **NOT** BE USED TO MAKE DIAGNOSTIC DECISIONS.



Symptoms can be added in two ways: through the symptoms **input box** (top left) or by clicking on a symptom on the **differential diagnoses list**.

**Input box:** The symptoms input box has auto-complete functionality, so a list of suggestions will show below the input box as you type. Text entries can also be added in the qualifying text box (optional).

Once your symptom input box is populated and, optionally, your qualifying text input box is populated, you can press either the “Yes” or “No” to add the symptom along with its qualifying text to the symptoms list: if you press “Yes”, the symptom alongside its qualifying

text will be added to the list of “Symptoms present” but, if you press “No” , the symptom alongside its qualifying text will be added to the list of “Symptoms absent”

**Differential diagnoses list:** To see the symptoms associated with each differential diagnosis on the list, simply click on the little triangular arrow next to the diagnosis of interest. You will see a list of symptoms associated with a potential diagnosis, which you can click ‘Yes’ or ‘No’ to signify the presence or absence of symptoms.

**Comment entry:** Any comment put into the “Comments” field of the DSS interface is recorded as a note.

**Diagnosis entry:** Once you’re done with entering symptoms and optionally modifying them, press the “Enter diagnosis” (bottom right corner). Once you have selected a diagnosis, press “Done” to indicate you have finished entering all the data you want. All the data entered until this point (i.e symptoms with associated qualifiers, diagnosis as well as any comments in the “Comments” field) will now be written back in the patient’s record.

**PRESSING “DONE” - Please note that you need to save the data that has been written by the DSS into the record as the data is only temporarily available and would be lost if you close/discard the record without saving the data.**

**Please note the main purpose of the DSS studies is to help develop a diagnostic decision support system (DSS) for use in general practice. We do not yet have the validation and approval to use this outside research, therefore, the DSS prototype should not be used as a diagnosis prompt at this stage.**