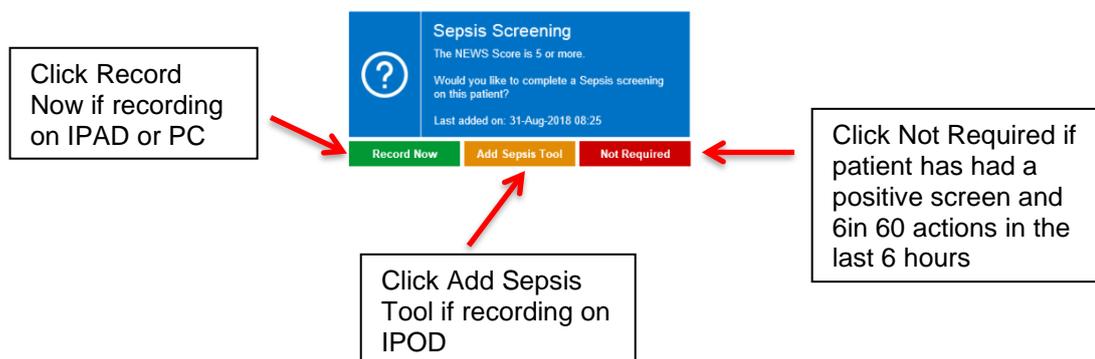


NEWS Sepsis Screening Tool

This tool has been updated to follow the same format as UK Sepsis Trust Sepsis Screening Tool. It is vital that all staff are familiar with the updated version. When screening a patient for Sepsis please take time to read each question carefully. ALL patients that score a **NEWS \geq 5** require a sepsis screen and if positive the **SEPSIS 6 in 60** actions to be completed within 60 minutes.

Please see below for a step by step guide

When your patient has scored a NEWS \geq 5 and you click to save your observations you will be prompted to screen your patient for Sepsis. Please select the appropriate box (see diagram below)



If you select 'Record Later' you will find the Sepsis Screening Tool by pressing the document manager tab at the top of the screen.

Select the screening tool you want to start. It will say not started and correspond with the time you added it.

Patient: EDITESTPATIENT, Twentysix Born: 07-Nov-1950 (67y) Gender: Male NHS No: 999 999 9735

Assigned Patient Documents Action Menu

This is where the explanation of what this pages tables actually do will be written to help the user understand what he/she should be doing on this particular page.

Filter Options: Select Filter Type Select Filter Type Add Filter Reset

Assigned Documents: No Filter Terms Entered

Title	Category/Type	Status	Last Updated
Sepsis	Medical	Not Started	31-Aug-2018 11:19
Sepsis	Medical	Not Started	31-Aug-2018 08:25
Sepsis	Medical	Not Started	30-Aug-2018 15:08
Sepsis	Medical	In Progress	30-Aug-2018 15:00
Sepsis	Medical	Not Started	30-Aug-2018 14:31
Sepsis	Medical	Complete	30-Aug-2018 14:15
Sepsis	Medical	Complete	30-Aug-2018 13:45
Sepsis	Medical	Complete	28-Aug-2018 11:05
Sepsis	Medical	Complete	22-Aug-2018 11:04
Sepsis	Medical	Complete	22-Aug-2018 01:15
Sepsis	Medical	Complete	22-Aug-2018 11:11
Sepsis	Medical	Not Started	21-Aug-2018 13:53
Sepsis	Medical	Not Started	21-Aug-2018 13:36
Sepsis	Medical	Not Started	15-Aug-2018 15:16
Sepsis	Medical	In Progress	08-Aug-2018 14:13
Sepsis	Medical	In Progress	08-Aug-2018 13:43
Sepsis	Medical	In Progress	08-Aug-2018 11:41
Sepsis	Medical	Complete	06-Aug-2018 14:38
Sepsis	Medical	Complete	01-Aug-2018 14:01
Sepsis	Medical	Complete	01-Aug-2018 14:01

Available Actions Choose an action to perform. View Start Amend Remove

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When you start your Sepsis Screen this is the first page you will see. Please select **Sepsis Screening Tool** from the drop down list

Sepsis Identify Sepsis Screening Tool

Identify Sepsis Screening Tool

Question/Statement: Answer/Value:

Please Select A Sepsis Screening Tool Please Select A Screening Tool

Reset or Cancel Use the buttons below to Reset the entire form or Cancel it. Reset

Confirm and Save Please double check the information provided before completing the document. Save Draft Abandon Complete

You will then be presented with the following question ‘is an end of life pathway in place?’ Please select **YES** or **NO**

Inpatient Sepsis Screening & Action Tool		EOL Pathway	
	Question/Statement:	Answer/Value:	
	Is an end of life pathway in place?	<input type="button" value="Yes"/>	<input type="button" value="No"/>
Reset or Cancel		Confirm and Save	
		<input type="button" value="Save Draft"/>	<input type="button" value="Complete"/>

If you click **YES** you will then be asked ‘is the patient is receiving active treatment?’ Please select **YES** or **NO**

Inpatient Sepsis Screening & Action Tool		EOL Pathway	
EOL Pathway		Question/Statement:	Answer/Value:
		Is an end of life pathway in place?	<input checked="" type="button" value="Yes"/> <input type="button" value="No"/>
		Is the patient receiving active treatment?	<input type="button" value="Yes"/> <input type="button" value="No"/>
Reset or Cancel		Confirm and Save	
Use the buttons below to Reset the entire form or Cancel it. <input type="button" value="Reset"/>		Please double check the information provided before completing the document. <input type="button" value="Save Draft"/> <input type="button" value="Abandon"/> <input type="button" value="Complete"/>	

If you select **NO** you will be advised to discontinue the Sepsis Bundle and you can press **Complete** and the screen is finished.

The screenshot shows the 'EOL Pathway' form for patient EDITESTPATIENT, Twentysix. The form contains two questions: 'Is an end of life pathway in place? *' and 'Is the patient receiving active treatment? *'. The 'No' button for the second question is selected, indicated by a red arrow. Below the questions, a large message reads 'Discontinue Sepsis Bundle'. At the bottom, the 'Complete' button is highlighted with a red arrow. The 'Reset or Cancel' section contains 'Reset' and 'Close' buttons. The 'Confirm and Save' section contains 'Save Draft', 'Abandon', and 'Complete' buttons. The footer includes 'WebV Systems | © 2018 NLG Foundation Trust' and navigation links for 'About', 'Help', and 'Feedback'.

If you select **YES** please proceed to **Step 1 – NEWS Score**

The screenshot shows the 'EOL Pathway' form for patient EDITESTPATIENT, Twentysix. The form contains two questions: 'Is an end of life pathway in place?' and 'Is the patient receiving active treatment?'. The 'Yes' button for the second question is selected, indicated by a red arrow. Below the questions, a message reads 'Please continue to Step 1 - NEWS Score'. At the bottom, the 'Complete' button is highlighted with a red arrow. The 'Reset or Cancel' section contains 'Reset' and 'Close' buttons. The 'Confirm and Save' section contains 'Save Draft', 'Abandon', and 'Complete' buttons. The footer includes 'WebV Systems | © 2018 NLG Foundation Trust' and navigation links for 'About', 'Help', and 'Feedback'.

If you answer **NO** to this question you may discontinue and complete the Sepsis Bundle and input the time that the sepsis screen was completed- if you are documenting the screen on to Web V outside of the hour however completed the sepsis screen within the hour and were unable to document it on web v due to patient acuity this time acts as a back time.

(please remember if your patient has a NEWS ≥ 5 the answer to this question will always be **YES**)

Sepsis Bundle v2

Choose Sepsis Bundle

EOL Pathway

Step 1 - NEWS Score

Step 1 - NEWS Score

Question/Statement: Is NEWS 5 or above? *
OR is NEWS less than 5 and the patient looks unwell?

Answer/Value: Yes No

Low risk of Sepsis. Discontinue Sepsis Bundle.

Use standard protocols, review if patient deteriorates.

Important: This is the time Sepsis Screening assessment was completed

Time Screening Completed *

Reset or Cancel

Use the buttons below to Reset the entire form or Cancel it.

Reset Close

Confirm and Save

Please double check the information provided before completing the document.

Save Draft Abandon Complete

You will then be presented with the question 'could this be due to an infection?' If the increased NEWS score is not likely to be an infection select **NO** complete the time that the sepsis screen was completed not the time you added it to the computer and press complete – see below

Sepsis Bundle v2

Choose Sepsis Bundle

EOL Pathway

Step 1 - NEWS Score

Step 1 - NEWS Score

Question/Statement: Is NEWS 5 or above? *
OR is NEWS less than 5 and the patient looks unwell?

Answer/Value: Yes No

Low risk of Sepsis. Discontinue Sepsis Bundle.

Use standard protocols, review if patient deteriorates.

Important: This is the time Sepsis Screening assessment was completed

Time Screening Completed *

Reset or Cancel

Use the buttons below to Reset the entire form or Cancel it.

Reset Close

Confirm and Save

Please double check the information provided before completing the document.

Save Draft Abandon Complete

If your patient is likely to have an infection select **YES** and select the possible source of infection, if source unclear select 'yes, but source unclear at present' and proceed to **Step 2- Red Flags**

Inpatient Sepsis Screening & Action Tool

EOL Pathway
Step 1 - NEWS Score
 Step 2 - Red Flags

Reset or Cancel
 Use the buttons below to Reset the entire form or Cancel it.
 Reset Close

Step 1 - NEWS Score

Question/Statement: **Answer/Value:**

Is NEWS 5 or above and/or does the patient look sick? Yes No

Could this be due to an Infection? Yes No

Could this be due to an infection?

- Yes, but source unclear at present
- Pneumonia
- Urinary Tract Infection
- Abdominal pain or distension
- Cellulitis/ Septic arthritis/ Infected wound
- Device-related infection
- Meningitis
- Other (specify below)

Please continue to Step 2 - Red Flags

Confirm and Save
 Please double check the information provided before completing the document.
 Save Draft Abandon Complete

If there are no red flags present select **None** and then select **Step 3 - Amber Flags**

Inpatient Sepsis Screening & Action Tool

EOL Pathway
 Step 1 - NEWS Score
Step 2 - Red Flags
 Step 3 - Amber Flags

Reset or Cancel
 Use the buttons below to Reset the entire form or Cancel it.
 Reset Close

Step 2 - Red Flags

Question/Statement: **Answer/Value:**

Please specify which Red Flag is present?

- None
- Responds only to voice or pain/unresponsive
- Systolic BP less than/equal to 90mmHg (or drop from > 40 from normal)
- Heart rate > 130 per minute
- Respiratory rate greater than/equal to 25 per minute
- Needs oxygen to keep SpO2 greater than/equal to 92%
- Non-blanching rash, mottled/ashen/cyanotic

No Red flag present, please check for any Amber Flag criteria using the menu on the left.

Confirm and Save
 Please double check the information provided before completing the document.
 Save Draft Abandon Complete

If none of the Amber Flags are present select **None**, complete the time that the sepsis screen was completed not the time you added it to the computer and discontinue the Sepsis Bundle by selecting complete.

Patient: EDITESTPATIENT, Twentysix Born: 07-Nov-1950 (67y) Gender: Male NHS No: 999 999 9735

Inpatient Sepsis Screening & Action Tool

EOL Pathway

Step 1 - NEWS Score

Step 2 - Red Flags

Step 3 - Amber Flags

Step 3 - Amber Flags

Question/Statement: Answer/Value:

Are any Amber Flag criteria present? *

- None
- Relatives concerned about mental status
- Immunosuppressed
- Respiratory Rate 21-24 or breathing hard
- Heart Rate 91-130 or new arrhythmia
- Systolic BP 91-100mmHg
- Not passed urine in last 12-18 hours
- Temperature < 36c

Low risk of Sepsis. Discontinue Sepsis Bundle

Use standard protocols, review if patient deteriorates

Important: This is the time Sepsis Screening assessment was completed

Time Screening Complete *

Reset or Cancel

Use the buttons below to Reset the entire form or Cancel it.

Reset Close

Confirm and Save

Please double check the information provided before completing the document.

Save Draft Abandon Complete

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Select the appropriate Amber Flag criteria and then follow the actions below. Bloods should be taken and sent if 2 criteria are present – can be considered if 1 present. If unsure if AKI present or no evidence of AKI select **Awaiting Bloods**. You can then complete the Bundle

Patient: EDITESTPATIENT, Twentysix Born: 07-Nov-1950 (67y) Gender: Male NHS No: 999 999 9735

Inpatient Sepsis Screening & Action Tool

EOL Pathway

Step 1 - NEWS Score

Step 2 - Red Flags

Step 3 - Amber Flags

Step 3 - Amber Flags

Question/Statement: Answer/Value:

Are any Amber Flag criteria present? *

- None
- Relatives concerned about mental status
- Immunosuppressed
- Respiratory Rate 21-24 or breathing hard
- Heart Rate 91-130 or new arrhythmia
- Systolic BP 91-100mmHg
- Not passed urine in last 12-18 hours
- Temperature < 36c

Send Bloods *

To include FBC, U&E's, CRP LFTs, Clotting

if 2 criteria present, consider if 1

Contact ST3+ Doctor to review *

Please record the date/time a senior doctor was contacted to review the patient

Yes No

Clinician attended *

The time the clinician attended the patient

Yes No

Is AKI Present? *

Does the patient have AKI?

Yes

No

Awaiting Bloods

Reset or Cancel

Use the buttons below to Reset the entire form or Cancel it.

Reset Close

Confirm and Save

Please double check the information provided before completing the document.

Save Draft Abandon Complete

If patient has AKI, then select **Step 4 – SEPSIS 6 - Action**

Inpatient Sepsis Screening & Action Tool

EOL Pathway

Step 1 - NEWS Score

Step 2 - Red Flags

Step 3 - Amber Flags

Step 4 - SEPSIS 6 - Action

Step 5 - SEPSIS 6 - Plan

Reset or Cancel

Use the buttons below to Reset the entire form or Cancel it.

Reset **Close**

Step 3 - Amber Flags

Question/Statement:

Answer/Value:

- None
- Relatives concerned about mental status
- Immunosuppressed
- Respiratory Rate 21-24 or breathing hard
- Heart Rate 91-130 or new arrhythmia
- Systolic BP 91-100mmHg
- Not passed urine in last 12-18 hours
- Temperature < 36c

Are any Amber Flag criteria present? *

Send Bloods *
To include FBC, U&E's, CRP LFTs, Clotting

if 2 criteria present, consider if 1

Contact ST3+ Doctor to review *
Please record the date/time a senior doctor was contacted to review the patient

Yes No

Clinician attended *
The time the clinician attended the patient

Yes No

Is AKI Present? *
Does the patient have AKI?

Yes No

Confirm and Save

Please double check the information provided before completing the document.

Save Draft **Abandon** **Complete**

Below is the window you will see to complete the Sepsis 6 in 60. Complete the 6 actions within 60 minutes and then complete the time that the last action was completed - if you are documenting the screen on to Web V outside of the hour however completed the sepsis screen and treatment within the hour and were unable to document it on web v due to patient acuity this time acts as a back time you will then need to select **Complete**.

If an action is not required or inappropriate for the patient please select 'Not Required'. Only select 'No' if the action is required but you are unable to complete within the 60 minute timeframe.

If you select 'Already done/on', 'Not Required' or 'No' you will be prompted to fill in a 'reason' box. This is a mandatory field and must be completed.

Inpatient Sepsis Screening & Action Tool

Step 4 - SEPSIS 6 - Action

Question/Statement: **Answer/Value:**

Time Sepsis Diagnosed

1. Administer Oxygen
Aim to keep saturations > 94%(88-92% if at risk of CO2 retention e.g COPD)

2. Take Blood Cultures
At least a peripheral set. Consider e.g CSF, urine, sputum. Think source control! Call surgeon / radiologist if needed.

3. Give IV antibiotics
According to Trust protocol/Consider allergies prior to administration

4. Give IV Fluids
If hypotensive, / lactate > 2mmol/l, 500 ml stat. May be repeated if clinically indicated - do not exceed 30ml/kg

5. Check serial lactates
Corroborate high VBG lactate with arterial sample. If lactate >4mmol/l, call Critical Care and recheck after each 10ml/kg challenge

Important: This is the time ALL Sepsis 6 Actions were completed

Time Actions Completed *

Please now continue to Step 5 - Plan

If after delivering the Sepsis 6, patient still has:

- Systolic BP <90mmHg
- Reduced level of consciousness despite resuscitation
- Respiratory rate over 25 breaths per minute
- Lactate not reducing

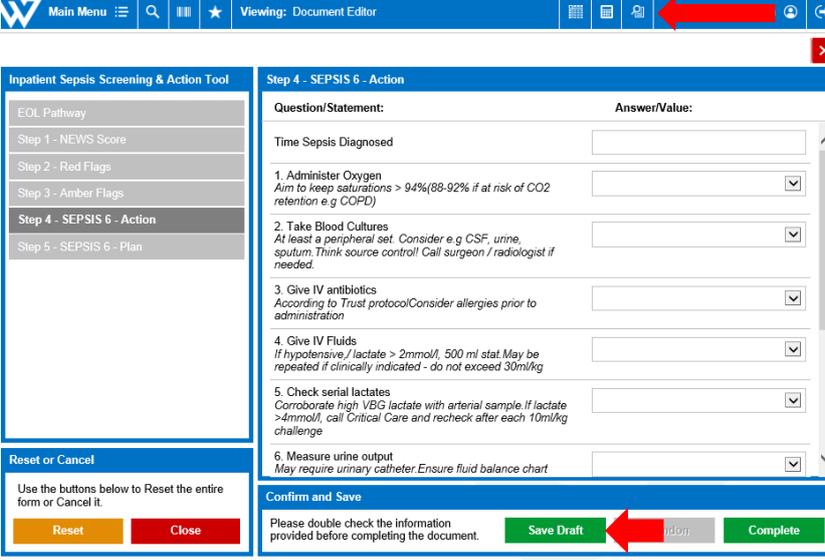
Or if patient is clearly critically ill at any time

Then call Critical Care Outreach and contact ST3+ Doctor for review immediately!

Confirm and Save

Please double check the information provided before completing the document.

Remember a draft can be saved at any time using the 'save draft' button and can be accessed using the  document manager' – see below

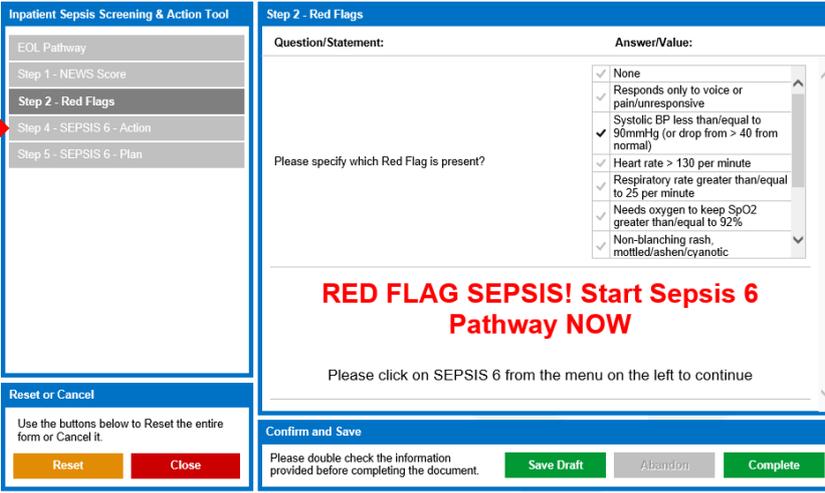


The screenshot shows the 'Step 4 - SEPSIS 6 - Action' form. The left sidebar contains a menu with 'Step 4 - SEPSIS 6 - Action' selected. The main area has a table with 'Question/Statement' and 'Answer/Value' columns. The questions are:

- 1. Administer Oxygen (Aim to keep saturations > 94%(88-92% if at risk of CO2 retention e.g COPD))
- 2. Take Blood Cultures (At least a peripheral set. Consider e.g CSF, urine, sputum. Think source control! Call surgeon / radiologist if needed.)
- 3. Give IV antibiotics (According to Trust protocol/Consider allergies prior to administration)
- 4. Give IV Fluids (If hypotensive./ lactate > 2mmol/l, 500 ml stat. May be repeated if clinically indicated - do not exceed 30ml/kg)
- 5. Check serial lactates (Corroborate high VBG lactate with arterial sample. If lactate >4mmol/l, call Critical Care and recheck after each 10ml/kg challenge)
- 6. Measure urine output (May require urinary catheter. Ensure fluid balance chart)

At the bottom, there are buttons for 'Reset', 'Close', 'Save Draft', 'Abandon', and 'Complete'. A red arrow points to the 'Save Draft' button. The footer includes 'WebV Systems | © 2018 NLG Foundation Trust' and 'About | Help | Feedback | 29:49'.

If there are one or more Red Flags present on Step 2 – 'Red Flags' please move to step 4 as directed and complete **Sepsis 6 in 60 minutes**



The screenshot shows the 'Step 2 - Red Flags' form. The left sidebar has 'Step 2 - Red Flags' selected. The main area has a 'Question/Statement' column with the text 'Please specify which Red Flag is present?' and an 'Answer/Value' column with a list of red flags:

- None
- Responds only to voice or pain/unresponsive
- Systolic BP less than/equal to 90mmHg (or drop from > 40 from normal)
- Heart rate > 130 per minute
- Respiratory rate greater than/equal to 25 per minute
- Needs oxygen to keep SpO2 greater than/equal to 92%
- Non-blanching rash, mottled/ashen/cyanotic

Below the list, there is a red banner that reads: **RED FLAG SEPSIS! Start Sepsis 6 Pathway NOW**. Underneath, it says 'Please click on SEPSIS 6 from the menu on the left to continue'. At the bottom, there are buttons for 'Reset', 'Close', 'Save Draft', 'Abandon', and 'Complete'. Red arrows point to the 'Step 2 - Red Flags' menu item and the 'Save Draft' button. The footer includes 'WebV Systems | © 2018 NLG Foundation Trust' and 'About | Help | Feedback | 29:53'.

After the Sepsis 6 in 60 Actions are complete if patient still has any of the following criteria circled below or is clearly critically ill then call the Critical Care Outreach team and ST3+ Doctor to review immediately.

Sepsis Bundle v2 TEST DO NOT USE

Choose Sepsis Bundle

EOL Pathway

Step 1 - NEWS Score

Step 2 - Red Flags

Step 4 - SEPSIS 6 - Action

Step 5 - SEPSIS 6 - Plan

Step 4 - SEPSIS 6 - Action

Question/Statement: Answer/Value:

3. Give IV Antibiotics
According to Trust protocol. Consider allergies prior to administration.

4. Give IV Fluids
If hypotensive /lactate >2mmol/lm 500 ml stat. May be repeated if clinically indicated - do not exceed 30ml/kg

5. Check serial lactates
Corroborate high VBG lactate with arterial sample. If lactate >4mmol/l, call Critical Care and recheck after each 10ml/kg challenge.

6. Measure Urine Output
May require urinary catheter. Ensure fluid balance chart commenced & completed hourly.

Please now continue to Step 5 - Plan

If after delivering the Sepsis 6, patient still has:

Systolic BP <90mmHg

Reduced level of consciousness despite resuscitation

Respiratory rate over 25 breaths per minute

Lactate not reducing

Or if patient is clearly critically ill at any time

Then call Critical Care Outreach and contact ST3+ Doctor for review immediately!

Reset or Cancel

Use the buttons below to Reset the entire form or Cancel it.

Reset Close

Confirm and Save

Please double check the information provided before completing the document.

Save Draft Abandon Complete

Step 5 – SEPSIS 6 – Plan – Ask medical team to document a clear plan for escalation. The medical team also needs consider CPR status. You can now complete the sepsis bundle.

Patient: EDITESTPATIENT, Twentysix Born: 07-Nov-1950 (67y) Gender: Male NHS No: 999 999 9735

Inpatient Sepsis Screening & Action Tool

EOL Pathway

Step 1 - NEWS Score

Step 2 - Red Flags

Step 3 - Amber Flags

Step 4 - SEPSIS 6 - Action

Step 5 - SEPSIS 6 - Plan

Step 5 - SEPSIS 6 - Plan

Question/Statement: Answer/Value:

Make a treatment escalation plan and decide on CPR status

Middle Grade doctor informed?
Use SBAR Yes No

Reset or Cancel

Use the buttons below to Reset the entire form or Cancel it.

Reset Close

Confirm and Save

Please double check the information provided before completing the document.

Save Draft Abandon Complete