

Sepsis Screening

VIA RULE-BASED NOTIFICATIONS

With the potential for sepsis syndromes to be fatal for patients, early detection of symptoms is vital. Through our rule-based notification system, Picis® solutions provide hospitals and clinicians with tools to implement their own Sepsis screening protocols.



The notification system is based on a new icon on the patient band.

When Sepsis rules are met, a red notification beacon displays in the patient band.

Medication allergies: Other allergies: Precautions:				 																																																										
Sepsis Screening																																																														
(BEFORE ADMISSION)																																																														
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12:15	12:20	12:25	12:30	12:35	12:40																																																									
Sepsis Screening <table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>																																																														

There is a customer-defined protocol used to screen for Sepsis.

The screening rules can be based on flowsheet data such as vital signs, laboratory results, fluid output, patient level of consciousness, etc.

Sepsis Screening



Once the icon is clicked, a popup window provides basic information regarding the possible Sepsis detection.

Possible sepsis

Possible sepsis detected at: 11/9/2018 - 10:20 AM

VA SEPSIS

#VARIABLE	#DATE	LAST REVIEW
Lactate	11/9/2018 10:19 AM	4.1
ABP-S	11/9/2018 10:00 AM	75

Select Signs/Symptoms or Risk Factors that are present:

- ☐ Abdominal infection - pain, guarding, nausea, vomiting, diarrhea, rebound tenderness, rigidity
- ☐ Recently or currently receiving antibiotics for a confirmed/documented infection
- ☐ Chest infection - cough, shortness of breath, pneumonia / empyema, endocarditis
- ☐ Indwelling medical device other than peripheral IV (PICC line, dialysis catheter, urinary catheter, drain, etc.)
- ☐ Neurological infection - meningitis
- ☐ New onset of confusion, decreased level of consciousness
- ☐ Readmission within 48 hours from hospital discharge
- ☐ Recent surgery or invasive procedure (> 48 hours)
- ☐ Skin/musculoskeletal infection - wound, abscess, cellulitis
- ☐ Urinary tract infection - decreased urine output, dysuria, frequency, cloudy, odor

Recommendations:

POSITIVE SCREEN
ACTIONS
-Call 'Code Sepsis'
-Call 5200 and request communications to page Sepsis Team overhead and via InfoRad
-Notify Physician Immediately
-STAT Lactate
-Consider transfer to a higher level of care

Notes: * Required if you do not confirm possible sepsis

Insert notes here

Do you confirm possible sepsis?

YES, I CONFIRM POSSIBLE SEPSIS ✓ NO, I DO NOT CONFIRM POSSIBLE SEPSIS ✕

Ability to:

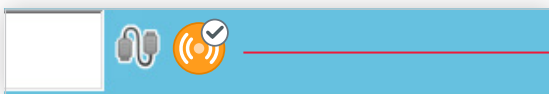
View data that triggered the notification.

Enter signs, symptoms or risk factors that are present, if VA Sepsis tab is selected.

View a set of recommendations based on your facility's sepsis protocol.

Fill other optional information and provide documentation notes.

Confirm or discard the possible Sepsis notification.



Once possible Sepsis is **confirmed**, the application will change the red Sepsis icon (potential Sepsis risk not documented yet) in the patient band to an orange Sepsis icon (confirmed Sepsis).

	180					
	4					

Click to view details of the documentation.

Sepsis Screening

Possible sepsis detected at: 11/9/2018 - 10:20 AM

POSSIBLE SEPSIS CONFIRMED by user ROISTAFF, CHIEF at 11/9/2018 - 10:27 AM

VA SEPSIS

#VARIABLE	#DATE	LAST REVIEW
Lactate	11/9/2018 10:19 AM	4.1
ABP-S	11/9/2018 10:00 AM	75

Select Signs/Symptoms or Risk Factors that are present:

- ☐ Abdominal infection - pain, guarding, nausea, vomiting, diarrhea, rebound tenderness, rigidity
- ☐ Recently or currently receiving antibiotics for a confirmed/documented infection
- ☐ Chest infection - cough, shortness of breath, pneumonia / empyema, endocarditis
- ☐ Indwelling medical device other than peripheral IV (PICC line, dialysis catheter, urinary catheter, drain, etc.)
- ☐ Neurological infection - meningitis
- ☐ New onset of confusion, decreased level of consciousness
- ☐ Readmission within 48 hours from hospital discharge
- ☐ Recent surgery or invasive procedure (> 48 hours)
- ☐ Skin/musculoskeletal infection - wound, abscess, cellulitis
- ☐ Urinary tract infection - decreased urine output, dysuria, frequency, cloudy, odor

Recommendations:

POSITIVE SCREEN ACTIONS

- Call 'Code Sepsis'
- Call 5200 and request communications to page SEpsis Team overhead and via InfoRad
- Notify Physician Immediately
- STAT Lactate
- Consider transfer to a higher level of care

Notes: * Required if you do not confirm possible sepsis

Do you confirm possible sepsis?

YES, I CONFIRM POSSIBLE SEPSIS ☒ NO, I DO NOT CONFIRM POSSIBLE SEPSIS ☐ CANCEL

Authorized users can view the documentation at any time. Only the clinician who initiated the documentation can make changes to it.

Displays **Possible Sepsis Confirmed** and user, date and time of confirmation.

If the user **does not confirm** the possible Sepsis, the Sepsis icon in the patient band disappears.

Possible sepsis detected at: 11/9/2018 - 10:20 AM

POSSIBLE SEPSIS NOT CONFIRMED by user ROISTAFF, CHIEF at 11/9/2018 - 10:27 AM
Last Review: 11/9/2018 - 10:33 AM

VA SEPSIS

#VARIABLE	#DATE	LAST REVIEW
Lactate	11/9/2018 10:19 AM	4.1
ABP-S	11/9/2018 10:00 AM	75

Select Signs/Symptoms or Risk Factors that are present:

- ☐ Abdominal infection - pain, guarding, nausea, vomiting, diarrhea, rebound tenderness, rigidity
- ☐ Recently or currently receiving antibiotics for a confirmed/documented infection
- ☐ Chest infection - cough, shortness of breath, pneumonia / empyema, endocarditis
- ☐ Indwelling medical device other than peripheral IV (PICC line, dialysis catheter, urinary catheter, drain, etc.)
- ☐ Neurological infection - meningitis
- ☐ New onset of confusion, decreased level of consciousness
- ☐ Readmission within 48 hours from hospital discharge
- ☐ Recent surgery or invasive procedure (> 48 hours)
- ☐ Skin/musculoskeletal infection - wound, abscess, cellulitis
- ☐ Urinary tract infection - decreased urine output, dysuria, frequency, cloudy, odor

In addition, the flowsheet will display a grey Sepsis icon in the current cell which when clicked displays the details of the documentation.



Displays **Possible Sepsis Not Confirmed** and user, date and time.

Sepsis Screening

Configuration Parameters

Configure system time intervals, shift times, automatic printouts, silent printouts and miscellaneous settings for the template.

Preferences | Intervals and Shifts | Auto-Printouts (Excel) | Allergies/Precautions Box | Silent print (Excel) | Rule-Based Notifications

☒ Activate Rule-Based Notifications

Sepsis notifications

☒ VA Sepsis Notifications

Interval (hours): 1

Recommendations if sepsis detected

POSITIVE SCREEN ACTIONS
Call 'Code Sepsis'
Call 5200 and request communications to page SEpsis Team overhead and via InfoRad
Notify Physician Immediately
STAT Lactate

Help Close

The Rule-Based Notification system is activated from the Rule-Based Notifications tab in Customize.

Activate Rule-Based Notifications System

Refreshing interval in hours

- This setting defines how often the red Sepsis icon displays on the patient band after the icon initially shows up, provided the patient still meets possible Sepsis conditions

Recommendations (free text)

Home | Printout | Section

File | Print Preview | Standard Libraries | Query Blocks

Available Blocks

- Events
- Fluid Balance
- Fluids Detail
- Fluids In
- Fluids Out
- Laboratory
- Medication details
- Medications
- Notes
- Nursing Care Details
- Physiologic Variables
- Scores
- Sepsis Notifications
- Trends
- Waveforms

PRINTOUT EXAMPLE TEMPLATE

Demographics

Name: John Doe
Patient ID: AAAA-66666
Medical Record No.: AAAA-66666
Age: 36 Years
Gender: Male
Admission Height (cm): 185.3

Admission Weight (kg): 70.5
BMI: 20.54
BSA: 1.93
Current Location: BCNW-48DN

Allergies

Amoxicillin, reaction Amoxicillin, as a child, 6/5/2018, comment 1
Apple, reaction Apple, as a child, 6/5/2018, comment 4
Papaya, reaction Papaya, as a child, 6/6/2018, comment 6
Penicillin, reaction penicillin, as a child, 6/5/2018, comment 2
Propofol, reaction propofol, as a child, 6/5/2018, comment 3

Sepsis Notifications

Sepsis confirmed Notes sample (6/5 02:05 - PICIS, Picis)

- VA Sepsis
 - Temperature: 42
 - Heart Rate: 180
 - Abdominal infection - pain, guarding, nausea, vomiting, diarrhea, rebound tenderness, rigidity
 - Recently or currently receiving antibiotics for a confirmed/documentated infection
- VA Sepsis
 - Temperature: 37
 - Heart Rate: 80

Sepsis not confirmed Another note (6/5 06:05 - PICIS, Picis)

Block Configuration

Block Type: Sepsis Notifications

Header

Header Text: Sepsis Notifications

☒ Show Block Header

Appearance

☒ Show border

Columns

☒ Show notifications details

Sort

☒ Sort by date - ascending
☐ Sort by date - descending

Notifications

☒ Show All

Search

VA Notifications

Columns: 2

Delete

In Forms Builder, a new block for Sepsis Notification has been added, which will let customers add Sepsis screening information in your Printout.



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The Quality Management System at Picis Clinical Solutions is certified in accordance with EN ISO 13485 and Annex II (excluding 4) of the Council Directive 93/42/EEC on Medical Devices.

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