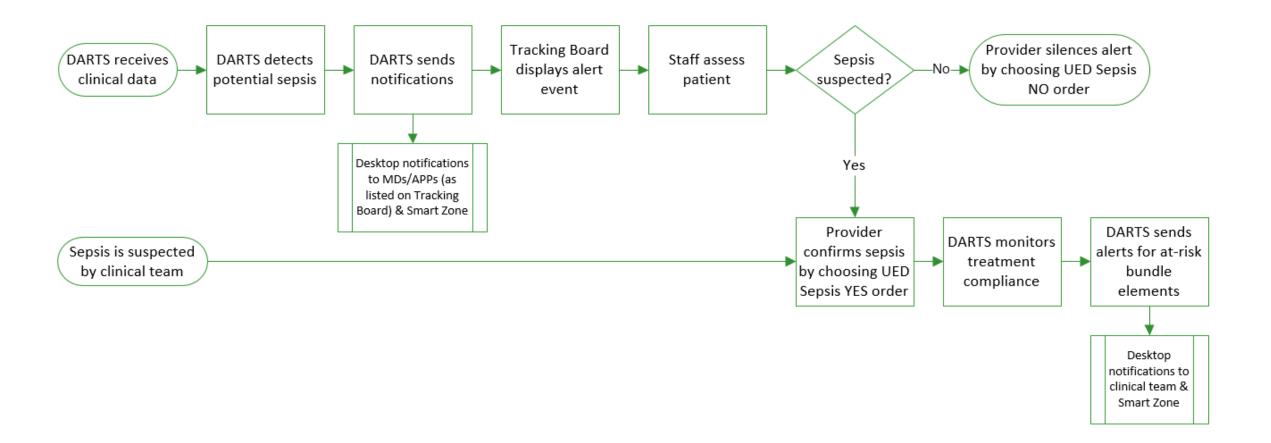
DARTS – ED Detection And Response Tool for Sepsis

LABMEDICINE



DARTS Process Overview





Cerner Integration

Color-coded status indicators used throughout the system:



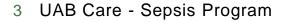
Patient details available on the ED Workflow Mpage

- Blue boxes indicate completed bundle elements
- Red boxes indicate needed bundle elements
- Not applicable indicates bundle elements are not required per the Sep-1 guidelines

Menu	Ŧ	< 🖂 👻 👘 ED Su	mmary	,				
Patient Information		A	100%	• • • 4				
ED Summary		ED Orders	×	ED Workflow	<	ED Summary	×	ED Pres
Pathology			¥	Sepsis - DARTS				
Microbiology Viewer		Sepsis - DARTS	~					
Rad/Imaging Reports		Core Work Manager	- 10					
lmages		Coverage				Potential Sepsis on	May 19 2022	2 11:02
ICU Flowsheet		Chief Complaint		S		Temp: 102.1, SBP:	81, RR: 22, H	HR: 122
I-View		Vital Signs 🎙						



LAB HEALTH SYSTEM



Potential Sepsis Detection



4 UAB Care - Sepsis Program

DARTS – Automated Detection Algorithm

- Will mimic current ED alert
 - 2 SIRS + systolic BP or lactic acid within 6 hours (worst documented values)

Data Element	Values	From
Temperature	< 36°C or > 38°C (> 100.4, < 96.8)	SIRS
Respirations or pCO2	≥ 22/min < 32 mmHg	SIRS
Pulse	> 90	SIRS
WBC or WBC Bands	< 4k or > 12k > 10%	SIRS
Systolic BP	<u><</u> 90 mmHg	Organ Dysfunction
Lactate	≥ 3 mmol/L	Organ Dysfunction



DARTS Automated Notifications

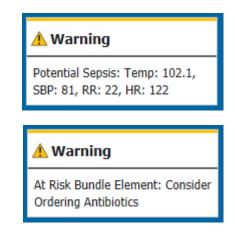
ED Tracking Board/LaunchPoint

₩		_
Time 5/19/2022 11:02	Event Potential	Sepsis

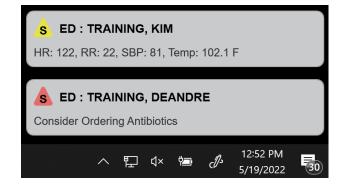
Triage		*TRAINING,	KAITLIN	fever	
UED Sepsis	ć	34y F	! 🕑		

Hover over notification will indicate where in the sepsis process the patient is currently (Potential Sepsis, Sepsis Confirmed, Bundle At Risk, Bundle Complete)

Smart Zone Notifications



Desktop Notifications



Hover over colored triangle will provide more details (time of detection, confirmation, etc.)



Potential Sepsis Provider Workflow

- To confirm: Activate UED Sepsis (UAB Care) powerplan and select "Sepsis YES"
- To dismiss:
 - Select "UED Sepsis NO" order
 - Will be added to UED Quick Orders under General -> Nursing
 - Select an Alternate Diagnosis
 - Any specific diagnosis will silence detection for 12 hours
 - "Other" will silence detection for 6 hours
 - "Comfort Care" will silence detection for the remainder of the visit

General	≡• (
⊿ Nursing	
IV Insert	
Oxygen Admin	istration/Therapy 2 L/min, Nasal Cannula
Cardiac Monito)r
ECG Bedside, SI	at, Once
Blood Glucose	Bedside Monitoring POC Once
Vital Signs One	e
Elevate 30 Deg	rees, Elevate Head of Bed
NPO/Continuin	IG NPO
Sitter	
Elopement Pre	Cautions Elopement, None
Fall Risk Preca	ution
Seizure Precau	tions None
UED Sepsis NO	

⊿ Pati	ient Care	Sepsis NO	Order		22 15:46
				CDT	
포 Deta	ails for UED Sepsi	s NO			
ı &¶2	Details 🕞 Order Comm	ients 🛛 🕞 Diag	noses		
+	∎ III. ♀ ≈				
*Req	uested Start Date/Time:	05/20/2022	× v	1546	CD
	*Alternative Diagnosis:			¥	
	Special Instructions:	Anaphylaxis Cardiogenic DKA			
		Hematologic			
		Hemorrhagic			
		Hepatic			
		Neurogenic			
		Overdose or wi	thdrawal		
		Pulmonary em	bolism		
1 Missi	Required Details Dx	Trauma			
		Comfort Care			
_		Other			



Bundle Element Tracking



8 UAB Care - Sepsis Program

At Risk Bundle Elements

- Alerts for bundle elements will be sent for elements not yet met after detection
 - Elements not considered at risk until at least 1 hour after detection
- When bundle element is collected or administered, Smart Zone notification and desktop notification will be removed
- If desktop notification is closed and bundle element is not addressed, it will re-alert every 30 minutes for a total of 3 notifications

