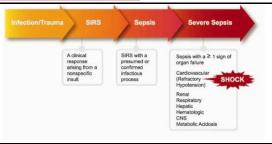
SIRS ANALYSIS

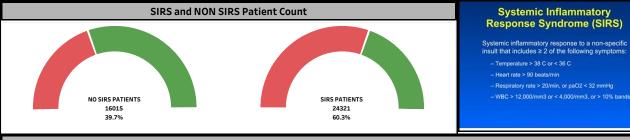


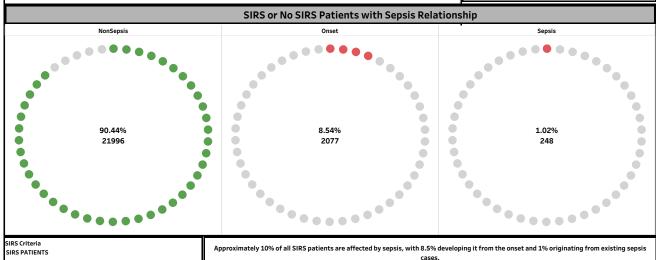
SIRS

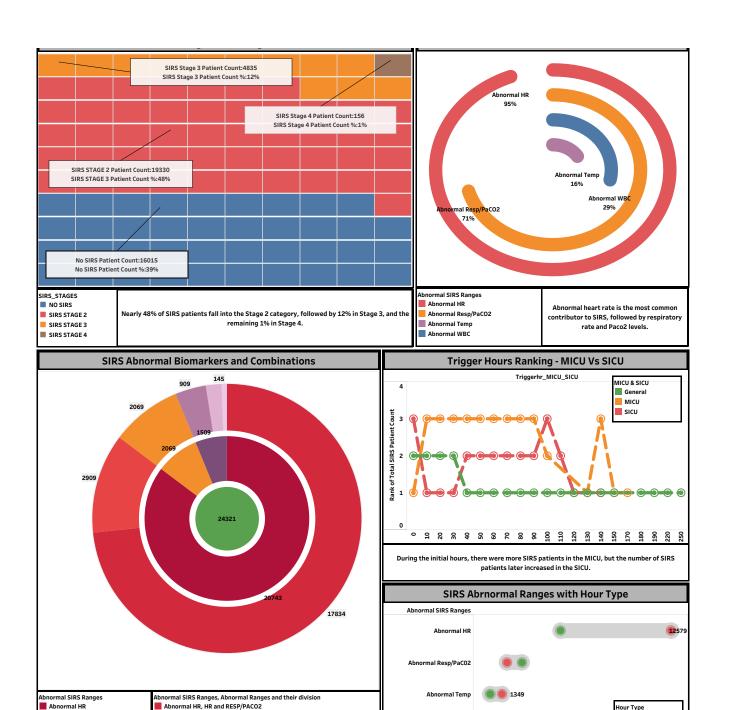
Systemic inflammatory response syndrome (SIRS) is a life-threatening medical condition resulting from the body's overwhelming reaction to a stressor. This may include factors such as an infection, trauma, or a deteriorating health condition. It has the potential to result in reversible or irreversible organ failure and even death. SIRS requires prompt treatment in a hospital.











Abnormal WBC

5000

10000

Total Patient Count

Abnormal Resp/PaC02

Abnormal Temp

Abnormal HR, HR and WBC

Abnormal Temp, Temp and HR Abnormal Temp, Temp and RESP/PACO2

Abnormal Temp, Temp and WBC

Abnormal Resp/PaC02, Resp/PaC02 and WBC

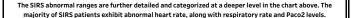
Hour Type

Trigger

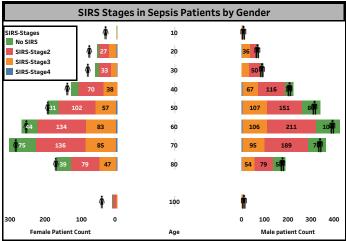
15000

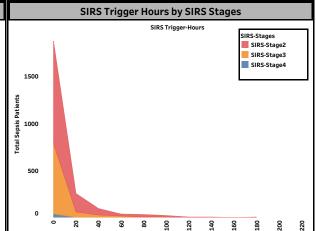
Transition

20000



The SIRS abnormal ranges, based on trigger and transition hours, show that within the 1-hour range, the number of patients with abnormal heart rates increased by 12,000, followed by approximately 1,350 more patients with abnormal temperatures.



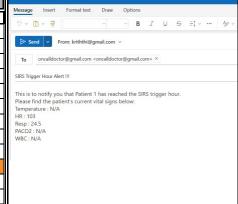


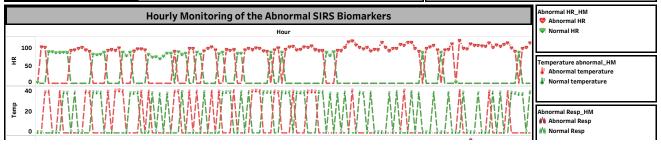
Across all SIRS stagesin Sepsis patients, the number of male patients exceeds that of female patients. The highest count among males is observed in the 60-70 age group, while the highest count among females is seen in the 70-80 age group.

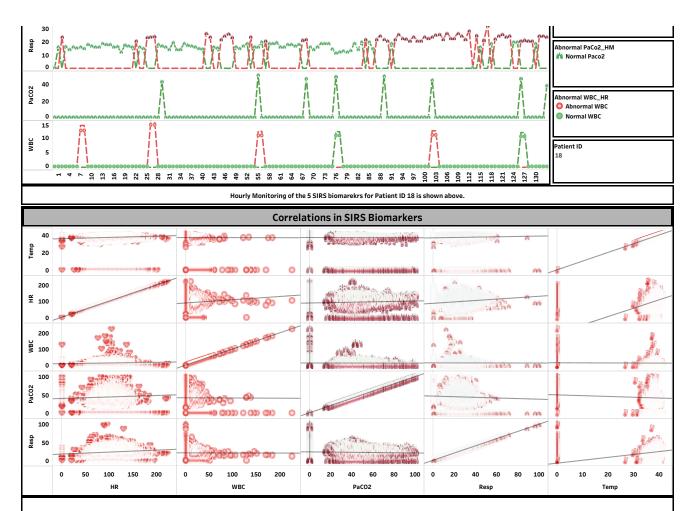
In the sepsis category, patients in SIRS Stage 2 are more affected than those in SIRS Stage 3, with both being more affected than patients in SIRS Stage 4.

SIRS Trigger Hour Alert !!!

		Email	90.00 30.00 100.00 4					
Patient ID	Hour Type	Hour	Email Alert	Temp	HR	Resp	PaCO2	WBC
1	Transition	3	@		90.00	30.00	100.00	
	Trigger	4	8		103.00	24.50		
3	Transition	1	®		87.00	29.00		
	Trigger	2	8	37.110	93.00	40.00		
4	Transition	3	®		107.50	17.00		
	Trigger	4	8		113.00	26.00		
18	Transition	1	®		104.00	16.00		
	Trigger	2	8	38.560	102.00	24.00		
30	Transition	0	®		91.00	12.00		
	Trigger	1	8	36.560	91.00	14.00	47.00	14.10
97	Transition	9	⊚				34.00	
	Trigger	10	8	34.800	67.00	14.00	29.00	7.90







Temperature, heart rate, and respiratory rate are slightly positively correlated, while PaCO2 is negatively correlated with white blood cell count (WBC), respiratory rate, and temperature. WBC, however, shows no significant correlation with the other biomarkers. These relationships are generally observed; however, they can vary significantly based on an individual's immunity.