

XIX. Critical Values and STAT Results			
Effective Date: 3-98	Reviewed: 5/2018	Revised: 5/2018	<i>Discontinue Date:</i>

The purpose of this procedure is to ensure that laboratory results will be reported to a responsible individual by Rusk State Hospital personnel in a timely manner. The laboratory staff and the house supervisor have been designated to receive and communicate information to the medical personnel. The RSH laboratory will be notified during routine office hours while the house supervisor will be notified after hours, holidays, and weekends.

A. Critical Values

1. Definition-Rusk State Hospital defines critical lab values as any potentially life-threatening laboratory test result which requires the immediate attention of a provider. The table below contains the list of critical/panic values for this facility. RSH does not provide acute medical treatment and will not wait for a lab result to transfer a patient who needs a higher level of care. RSH Performance Improvement Committee has designated 30 minutes or less as an acceptable time frame from receipt of the critical results to reporting the critical results to the designated caregiver.

2. Critical Value Reporting
 - a. The RSH lab staff and/or house supervisor write down, and then read the test result back to the reference lab staff.
 - b. All Critical or Panic values are called to the provider immediately, followed by notification to the unit RN.
 - c. All Critical or Panic values communicated verbally require a read-back of the results.
 - d. Abnormal values are flagged (P), panic, (C), critical, (H), abnormal high and (L), abnormal low depending upon the performing lab.
 - e. The reference lab documents on the comment line the person called and the time the report was called.
 - f. The RSH lab or house supervisor will place a progress note in CWS using the template entitled "Critical Lab Result". The progress note will include the date and time results are received, time results are called, the provider called, read-back of the critical value, RN notified and will identify who did the notification.
 - g. The report is printed to the ordering/attending providers.
 - h. A log that includes compliance information regarding notifications is maintained in the lab.

ANCILLARY CLINICAL SERVICES - Laboratory
POLICY AND PROCEDURE MANUAL

Critical Values:

TEST	LESS THAN	GREATER THAN	UNITS
Ammonia	-	120	umol/L
ALT	-	1000	Units/L
AST	-	1000	Units/L
Sodium	125	150	mmol/L
Potassium	3.0	6.0	mmol/L
C02	10	40	mmol/L
Total Bilirubin	-	15	Mg/dL
BUN	-	50	mg/dL
Glucose	40	400	mg/dL
Calcium	7	12	mg/dL
Creatinine	-	3	mg/dL
Mg	1	5	mg/dL
Lithium	-	1.5	mmol/L
Phenytoin (Dilantin)	-	30	mcg/mL
Phenobarbital	-	60	mcg/mL
Primidone	-	24	mcg/mL
Carbamazepine (Tegretol)	-	20	mcg/mL
Valproic Acid (Depakene)	-	200	mcg/mL
Hematocrit	21	60	%
Hemoglobin	7	18	g/dL
PT	-	52.9	Sec
PTT	-	68	Sec
INR	-	5.0	
Platelets	40.0	1000.0	K/mm3
WBC	2.0	20.0	K/mm3
Absolute Neutrophils	1.0	-	K/mm3
MICROBIOLOGY	All positive blood cultures, CSF cultures, and positive C difficile toxins assay, and all positive AFB results.		

B. STAT Results

1. STAT tests will be ordered to increase the speed with which care is provided. These tests will be sent to a local reference lab for same day results. The established turnaround time for a STAT test is within two (2) hours after the specimen is received in the reference lab. STAT tests are not inherently critical labs. The RSH driver will pick up the prepared specimen within 1 hour of contact to deliver to the local contract lab.
2. STAT Reporting
 - a. All STATS will be called to the ordering provider during lab hours/MOD after hours.
 - b. The report shall be faxed to the med clinic and the patient's unit.
 - c. The house supervisor shall result all STATs after hours according to the above procedure. A copy will be faxed to the lab for a record of documentation.
 - d. A chart copy of the STAT report will be sent to the attending provider by the lab staff.

Citation:

State Hospital Critical Values 2017:

<http://www2.hhsc.state.tx.us/Hospitals/677/LabGuidebook.pdf>

