**IMPORTANT CLINICAL LABORATORY MEMORANDUM**

Date: November 25th, 2024

To: CAMC Providers  
CAMC Staff  
CAMC LabWorks Clients

From: CAMC Vandalia Health Southern Region Laboratories

Milton Plata, MD

Darlene Gruetter, MD

David Webb, MD

**TOPIC: Laboratory Critical Value Changes**

To align laboratory critical values across Vandalia Health Systems, the Pathology Department, along with the Medical Executive Committee have approved the following changes to laboratory critical values. This is Phase II of the standardization project.

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| **Assay** | **Current CAMC Critical Value** | **Proposed Vandalia Health Critical Values** |
| Acetaminophen | >=50.0 ug/mL | >50.0 ug/mL |
| Carbamazepine | >18.0 ug/mL | >15.0 ug/mL |
| Cyclosporine | >=1000 ng/mL | >1000 ng/mL |
| Gentamicin, Random | >=12.0 mg/L | >12.0 mg/L |
| Gentamicin, Peak | >=12.0 mg/L | >12.0 mg/L |
| Gentamicin, Trough | >=2.0 mg/L | >2.0 mg/L |
| Digoxin | >=2.5 ng/mL | >2.5 ng/mL |
| Dilantin (Phenytoin) | >=30.0 ug/mL | >25.0 ug/mL |
| Lidocaine | >=5.0 ug/mL | >5.0 ug/mL |
| Lithium | >2.00 mmol/L | >1.50 mmol/L |
| Phenobarbital | >60.0 ug/mL | >50.0 ug/mL |
| Salicylate | >=40.0 mg/dL | >30.0 mg/dL |
| Tobramycin, Random | >=12.0 ug/mL | >12.0 ug/mL |
| Tobramycin, Peak | >=12.0 ug/mL | >12.0 ug/mL |
| Tobramycin, Trough | >=2.0 ug/mL | >2.0 ug/mL |
| Valproic Acid | >=150 ug/mL | >100 ug/mL |
| Vancomycin, Random | >=80.0 ug/mL | >60.0 ug/mL |
| Vancomycin, Peak | >=80.0 ug/mL | >60.0 ug/mL |
| Vancomycin, Trough | >=25.0 ug/mL | >25.0 ug/mL |

**EFFECTIVE:** December 3rd, 2024

If you have any questions please contact Della Haynes at [della.haynes@vandaliahealth.org](mailto:della.haynes@vandaliahealth.org) or 304-388-4184, Patty Costa at [patty.costa@vandaliahealth.org](mailto:patty.costa@vandaliahealth.org) or 304-388-7889, or Angela Warner at [angela.warner@vandaliahealth.org](mailto:angela.warner@vandaliahealth.org) or 304-757-1769 or Nasser Larijani at [Nasser.larijani@vandaliahealth.org](mailto:Nasser.larijani@vandaliahealth.org) or 304-388-2386 or Kristy Rambo at [Kristy.rambo@vandaliahealth.org](mailto:Kristy.rambo@vandaliahealth.org) or 304-647-6061 or Lindsey Bay at [lindsey.bays@vandaliahealth.org](mailto:lindsey.bays@vandaliahealth.org) or 304-469-8600