

LabMed Report

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IN THIS ISSUE: Troponins New Reference Range

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To reduce confusion, it is our goal to standardize reference ranges for troponin testing across the Munson Healthcare laboratory system.

This will be rolled out first to entities sharing the same electronic medical record i.e. Munson Medical Center, Kalkaska Memorial Health Center, Paul Oliver Memorial Hospital, Munson Healthcare Grayling Hospital, and Munson Healthcare Cadillac Hospital.

West Shore Medical Center, Munson Healthcare Charlevoix Hospital, and Otsego Memorial Hospital laboratories will follow in a second phase when feasible.

The changes are as follows:

Troponin value of 0-0.04 ng/dl: Within normal reference range. The numeric value will be accompanied by the following comment: "This value is below the 99th percentile of the normal reference range. A temporal rise or fall on serial measurements can aid in interpretation."

Troponin value of 0.05 -0.1 ng/dl: Indeterminate result. Numeric value will be reported in the same color as normal reference range values. The numeric value will be accompanied by the following comment: "This value exceeds the 99th percentile of the normal reference range but, given the inherent imprecision in this assay, is not yet fully definitive for diagnosis of myocardial injury. A temporal rise or fall on serial measurements may be of value."

Troponin value of greater than 0.1 ng/dl: Elevated result. Numeric value will be reported in a color corresponding to an elevated result and will be accompanied by the following comment: "Consistent with myocardial injury. Occasionally other diseases may elevate troponin levels so this result should be correlated with clinical findings, ancillary studies, and serial troponin measurements".

Please call Dr. John Keep at 231-935-6112 with any concerns or questions about these changes.