



Laboratory Medicine Best Practices (LMPB)

Study Quality Appraisal Checklist

I. Study Setting

- Is information about the study setting provided (e.g., ICU, ED)?

II. Practice

- Is there a practice description that includes requirements and components for operations?
- Is the duration (start and end dates) for the practice reported?

III. Sample Population

- Is the sample population identified (e.g., patients, samples, tests)?
- Are number(s) and description(s) of participants or specimens provided (e.g., blood, urine)?
- Is the selection criteria for participants or specimens provided (what was included and excluded)?

IV. Comparator Practice

- Is there a comparison practice or standard (status quo)?
- Are key characteristics (in relation to practice) described?

V. Outcome Measures

- Are measurement(s) to assess practice impact identified and defined (e.g., length of stay)?
- Are the measure(s) relevant to the review question?
- Is the method of data collection described?

VI. Results

- Are findings described and supporting data provided?
- Have appropriate analysis been performed?
- Are reported findings clearly related to the practice of interest?