

# 10 OPERATIONAL METRICS TO ASSESS PRODUCT DEVELOPMENT HEALTH

## 1. Lead Time

**How to Measure:** Track the time from the moment a task is picked up to when it is completed and deployed.

## 2. Cycle Time

**How to Measure:** Measure the time a task spends in each stage of the workflow (e.g., in progress, code review, testing).

## 3. Velocity

**How to Measure:** Calculate the average number of story points, tasks, or features completed per sprint or iteration.

## 4. Burndown Rate

**How to Measure:** Monitor a burndown chart that shows the remaining work versus time during a sprint.

## 5. Defect Rate

**How to Measure:** Count the number of bugs or defects reported during a sprint or release, categorized by severity.

## 6. Deployment Frequency

**How to Measure:** Record the number of times code is successfully deployed to production within a set period (e.g., weekly, monthly).

## 7. Time to Restore

**How to Measure:** Measure the time between identifying a production issue and resolving it, including redeployment.

## 8. Customer Feedback Loop Time

**How to Measure:** Track the time between receiving user feedback and implementing relevant changes or fixes.

## 9. Test Coverage

**How to Measure:** Calculate the percentage of your codebase covered by automated tests, focusing on critical paths.

## 10. Team Satisfaction

**How to Measure:** Use regular team surveys or one-on-one meetings to gauge morale, engagement, and overall satisfaction.

## Metrics Tracker Table:

Metric	Key Question	Action Needed	Status(Yes/In Progress/No)
Lead Time	How long does work take from start to finish?	Identify and remove bottlenecks in workflows.	
Cycle Time	How quickly are tasks completed?	Optimize workflow stages to reduce delays.	
Velocity	Is the team completing work predictably?	Track completed tasks to forecast capacity.	
Burndown Rate	Is progress aligned with sprint goals?	Address scope creep or task delays.	
Defect Rate	Are there recurring quality issues?	Identify and resolve root causes of defects.	
Deployment Frequency	Are features being deployed consistently?	Increase deployment frequency if feasible.	
Time to Restore	How quickly are issues resolved?	Establish and refine incident response plans.	
Customer Feedback Loop Time	How quickly is feedback acted upon?	Streamline feedback analysis and prioritization.	
Test Coverage	Are critical paths adequately tested?	Expand coverage and improve test automation.	
Team Satisfaction	Is the team motivated and engaged?	Address concerns raised in surveys or meetings.	