

1. The deployment of a standard testing methodology will improve software quality and reduce rework and defects by 40%.
2. Early fault detection reduces the cost of the project. The earlier a defect is found, the less development rework and re-test is required, minimizing its implementation cost. The Baziuk Study estimates the relative cost to repair a defect found in Execution to be between 470 – 880 times the amount found in the Planning phase of the lifecycle.
3. Reducing failures improves system reliability and quality.
4. Software testing is the source of information such as defect reports, metrics and results that assist IT perform their roles efficiently. Developers rely on defect reports to fix their code and project managers to report on progress, operations, and tangible results to extrapolate future hardware requirements.
5. Software testing provides assurance that the system will function appropriately with the existing legacy system and it does not negatively affect interacting systems.
6. Testing can improve other system qualities such as usability, maintainability, and testability.
7. Software testing helps developers improve their programming skills.
8. Quality assurance demonstrates delivery from a contractual perspective through acceptance testing.
9. Quality Assurance can improve the quality of an organization's core business processes in the long run.