How does controlling memory usage affect the overall performance on Google Chrome?

Direct Measures	
1	Number of defects related to 100% CPU/GPU usage.
2	Number of defects stating increased memory due to page rendering in chrome.
Confounds Controlling Measures	
1. Capacity of internal memory. 2. Processor speed	
Hypothesis to be tested:	
Increased memory consumption in Google Chrome leading to 100% CPU/GPU usage is positively correlated with high number of crash reports.	
Measure of quality outcome:	
Crash free running of Google Chrome	

Is browsing safe and secure in Google Chrome?

Direct Measures	
1	Number of bugs reported related to/stating privacy / Number of bugs stating privacy
2	Number of issues reported related to viruses / malicious code
Confounds Controlling Measures	
1. Issues severity. 2. Level of developers' experience involved in high severity issues The more experienced the developer is, the higher the rate of severity issues being fixed thus it will help control the confound.	
Hypothesis to be tested:	
Disabling privacy and security settings in Google Chrome is positively correlated with the number of privacy and security issue reported.	
Measure of quality outcome:	
Provide a safe and secure browsing	

How does increased testing improve the usability of Chrome?

Direct Measures	
1	Number of issues reported related to UI failed tests
2	The number of tasks succeeded versus the number of failed tasks
Confounds Controlling Measures	
1. Level of developers' experience 2. Level of testers skills.	
Hypothesis to be tested:	
Increased acceptance testing will lead to less number of UI issues per build.	
Measure of quality outcome:	
Enhancing the usability by providing faster and convenient browsing	