

## Software Productivity Benchmarks - 2014

**Overview:** The service provides software productivity benchmarks for relevant application domains twice a year (January and June). These benchmarks have a variety of uses. For example, organizations have employed them to assess the relative performance of their development organizations versus both nominal and “best-in-class” productivity performance within their industries. They have also used them to assess whether or not they were making improvements relative to the norms that they convey.

### **Services Provided:**

Besides bi-annual software productivity benchmarks, subscribers receive the following additional benefits:

- Access to our “hot line” where questions relative to our software productivity numbers can be answered.
- Periodic “newsletters” by email that highlight information of merit.
  - Three were issued last year with topics ranging from clouds to security
- Access to special reports on related software benchmarking topics. Last year’s reports included the following:
  - Agile Software Quality – A Quantitative Analysis
  - Agile Estimating: Straightforward and Simple
  - Agile Metrics and Measurement
  - Joint ISBSG/Reifer Software Productivity Report
  - Quantitative Analysis of Agile Methods
- In 2014, we plan to focus more on software quality and the factors that drive its cost and relative performance
  - Impact of statistical methods planned in the fall

### **USA Benchmarks - 2013**

Productivity Domain	Number of Data Points	Productivity Range	Norm	Percent Gain (10 Year)
Automation	75	255 to 388	292	33.2%
Command & Control	75	151 to 229		
Info Technology	100	323 to 674		
Military - Airborne	75	97 to 245		
Military – Ground	75	167 to 321	235	23.1%
Military – Info Tech	100	293 to 502		
Military – Medical	25	265 to 419		
Military – Missile	25	85 to 187		
Military – Shipboard	75	150 to 292		
Military - Space	50	95 to 175		
Military – Trainers	25	255 to 428		
Medical	50	285 to 465		
Scientific Systems	50	178 to 329		
Software Tools	100	232 to 465	340	29.8%
Telecommunications	100	210 to 517		
Test Systems	50	198 to 453		
Trainers	50	295 to 490		
Web Business	100	255 to 535		
TOTAL	1,200	83 to 674		

**Productivity by Domain (eKSLOC/Staff Month)**  
 (Must purchase subscription to see the values for the unlisted items)

