

STATE OF AGILE SURVEY

“THE STATE OF AGILE DEVELOPMENT”

2010

5TH ANNUAL

INTRODUCTION



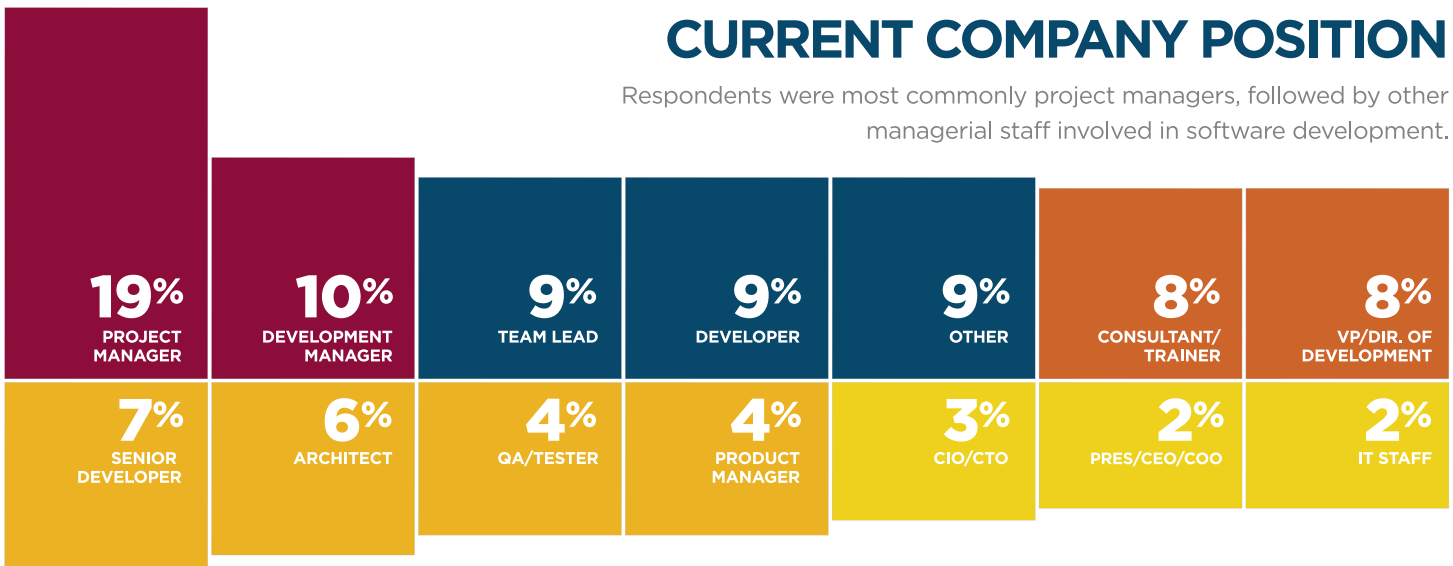
The fifth annual “State of Agile Development” survey was conducted between August 11th and October 31, 2010. Sponsored by VersionOne, respondents were recruited from mailing lists, websites and other software development industry fora. The survey data includes information from 4,770 participants from 91 countries. The data was analyzed and prepared into a summary report by Analysis.Net Research, an independent survey consultancy.



RESPONDENT DEMOGRAPHICS

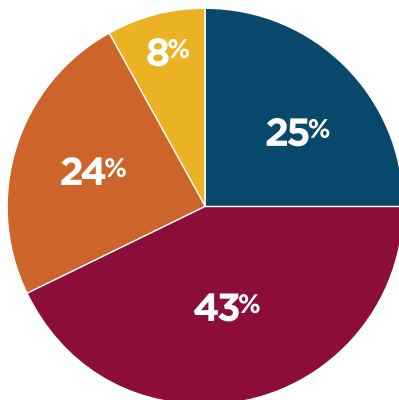
CURRENT COMPANY POSITION

Respondents were most commonly project managers, followed by other managerial staff involved in software development.



EXPERIENCE WITH AGILE DEVELOPMENT PRACTICES

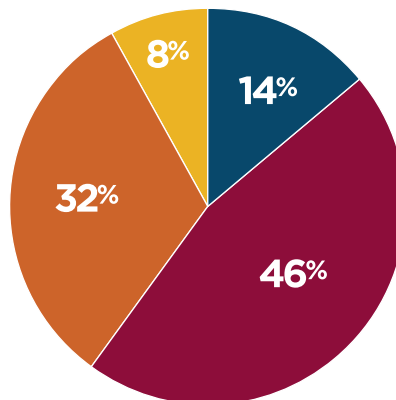
Respondents were quite knowledgeable about Agile Development, with 68% saying that they were “moderately to extremely knowledgeable” about agile practices.



- EXTREMELY KNOWLEDGEABLE
- MODERATELY KNOWLEDGEABLE
- KNOWLEDGEABLE
- VERY LITTLE KNOWLEDGE

HOW MANY YEARS HAS YOUR COMPANY BEEN PRACTICING AGILE?

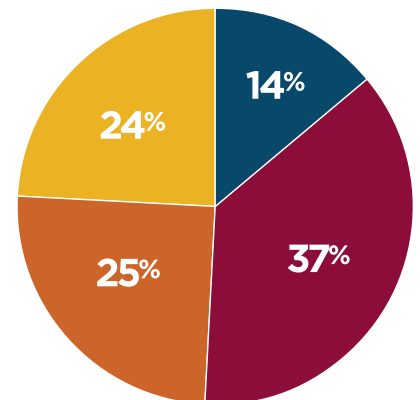
40% of respondents work at companies that have been practicing agile for over 2 years.



- LESS THAN 1 YEAR
- 1-2 YEARS
- 2-5 YEARS
- 5+ YEARS

HOW MANY YEARS HAVE YOU BEEN PRACTICING AGILE?

Nearly half of respondents have more than 2 years of agile experience.



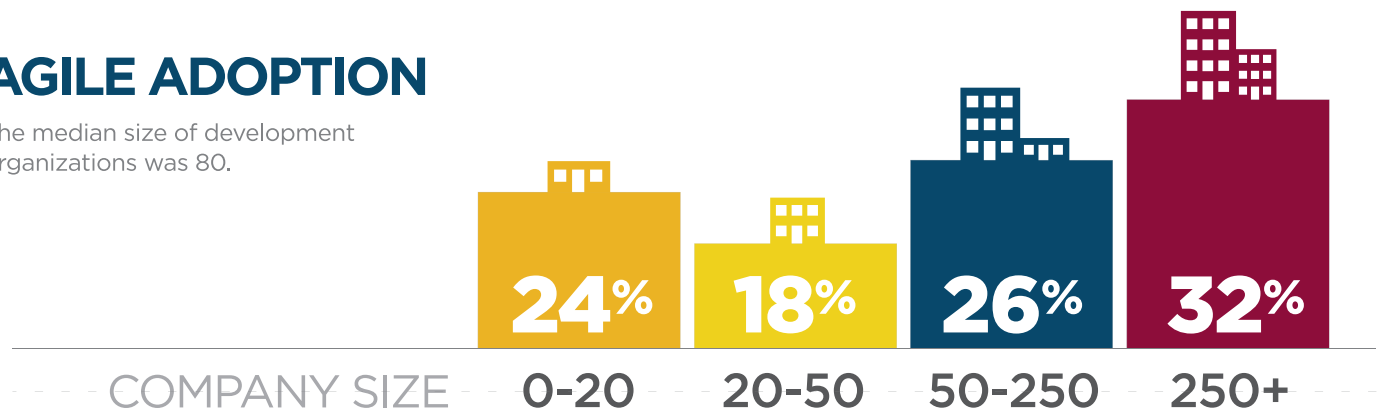
- LESS THAN 1 YEAR
- 1-2 YEARS
- 2-5 YEARS
- 5+ YEARS



AGILE IN THE ENTERPRISE

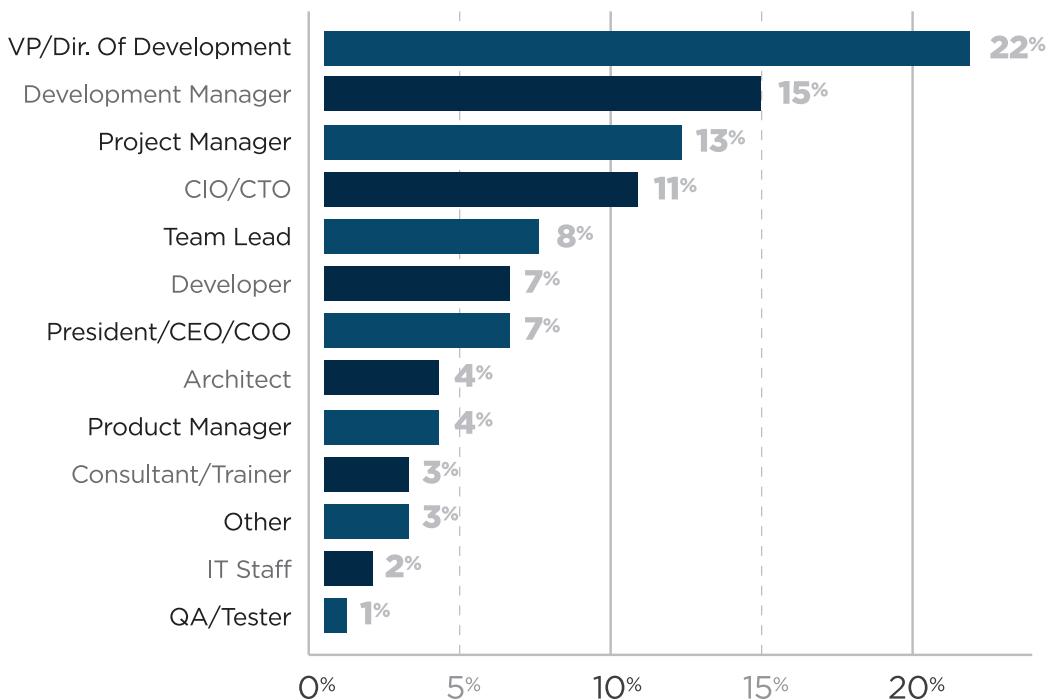
AGILE ADOPTION

The median size of development organizations was 80.



WHO DECIDES?

Initial champions of agile methods are found in the management layer 80% of the time.



90%

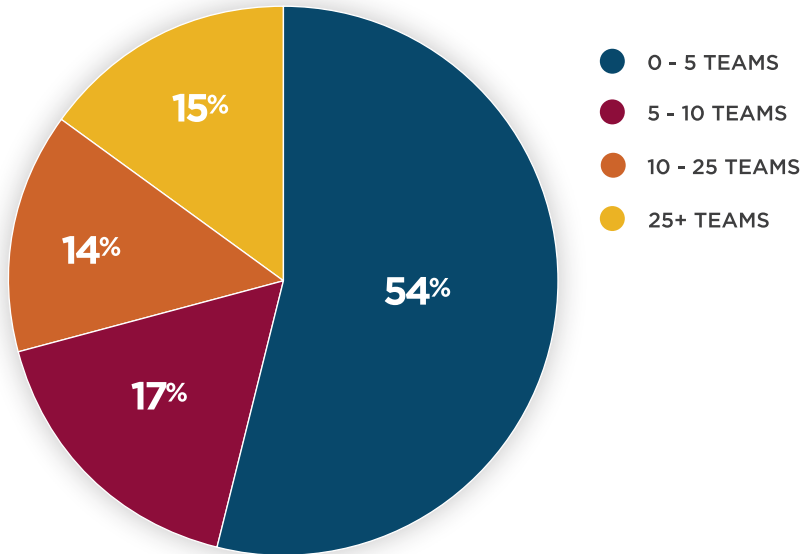
of respondents worked in organizations that used **Agile Development practices** to some degree

65%

of respondents worked in companies with **distributed development teams**

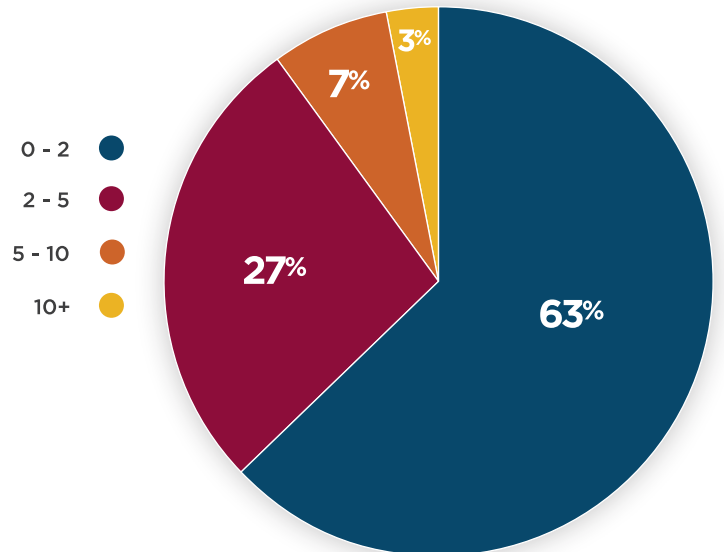
HOW MANY TEAMS ADOPTED AGILE?

Companies are scaling their agile initiatives – 29% of respondents work at companies with 10+ agile teams.



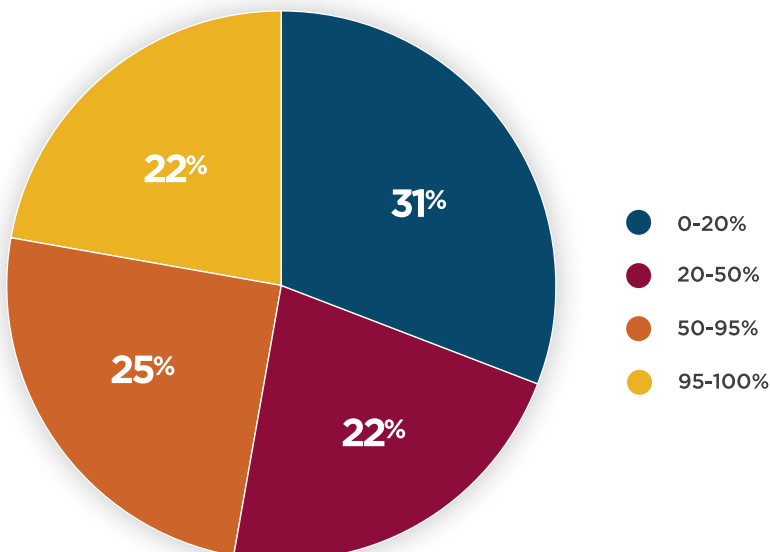
NUMBER OF SEPARATE SITES/LOCATIONS USING AGILE

Most companies had only 1 to 2 sites using agile.



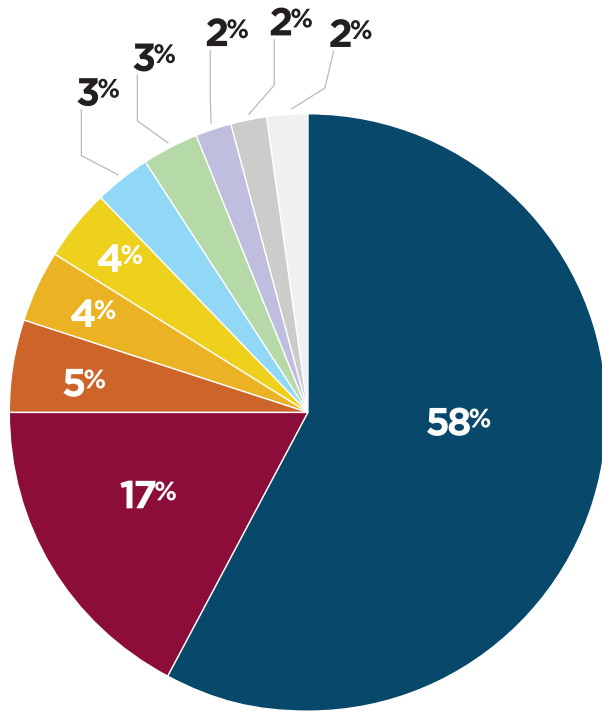
PERCENTAGE OF COMPANY'S PROJECTS USING AGILE

About half of projects in respondents' companies use agile.





AGILE METHODS & PRACTICES



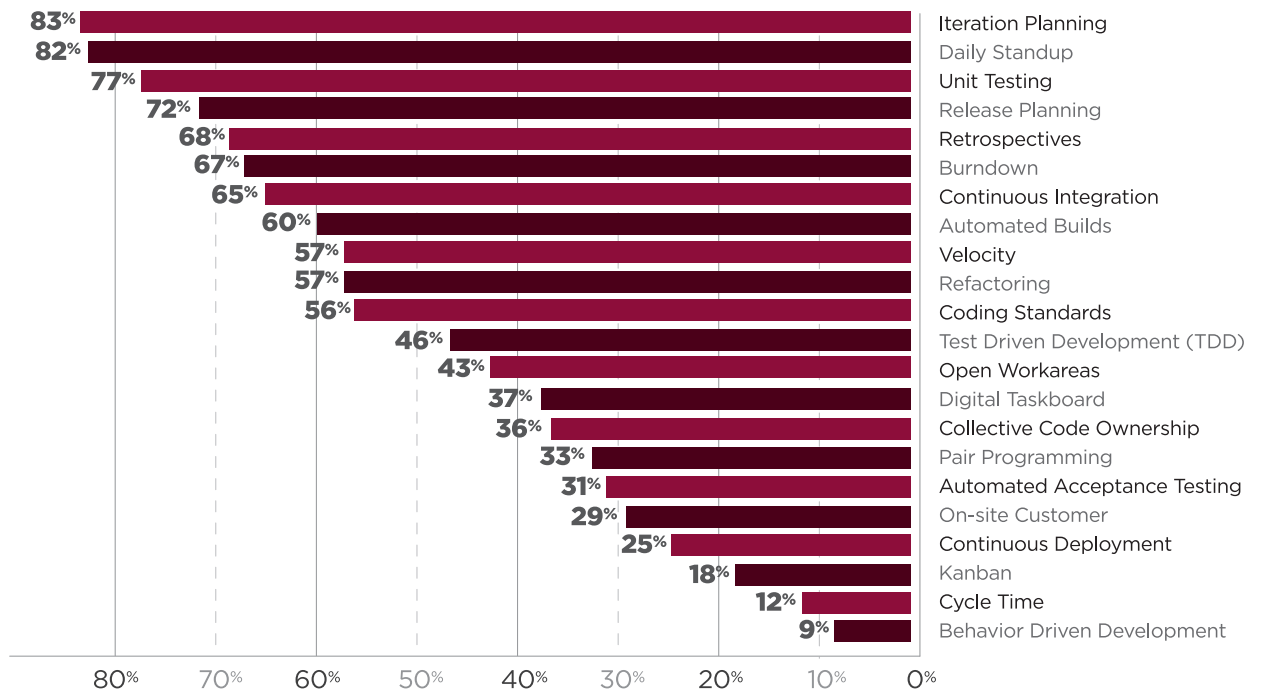
AGILE METHODOLOGY MOST CLOSELY FOLLOWED

Scrum or Scrum variants were by far the most common agile methodologies employed.

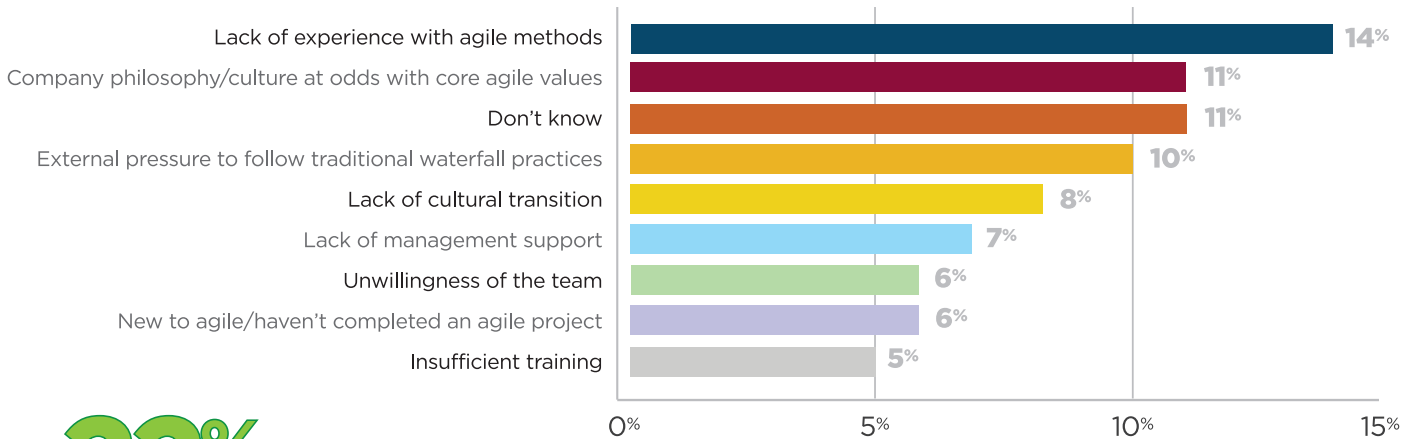
- SCRUM
- SCRUM/XP HYBRID
- CUSTOM HYBRID
- OTHER
- EXTREME PROGRAMMING (XP)
- DON'T KNOW
- SCRUMBAN
- LEAN
- FEATURE DRIVEN DEVELOPMENT (FDD)
- AGILEUP

AGILE TECHNIQUES EMPLOYED

Core agile tenets iteration planning, daily standup and unit testing were used by the vast majority of respondents.



LEADING CAUSES OF FAILED AGILE PROJECTS



22%

of respondents reported they had not experienced a failed agile project

BARRIERS TO FURTHER AGILE ADOPTION

As with any significant process change, the biggest barrier seen to the adoption of Agile Development was the ability to change organizational culture followed by general resistance to change.



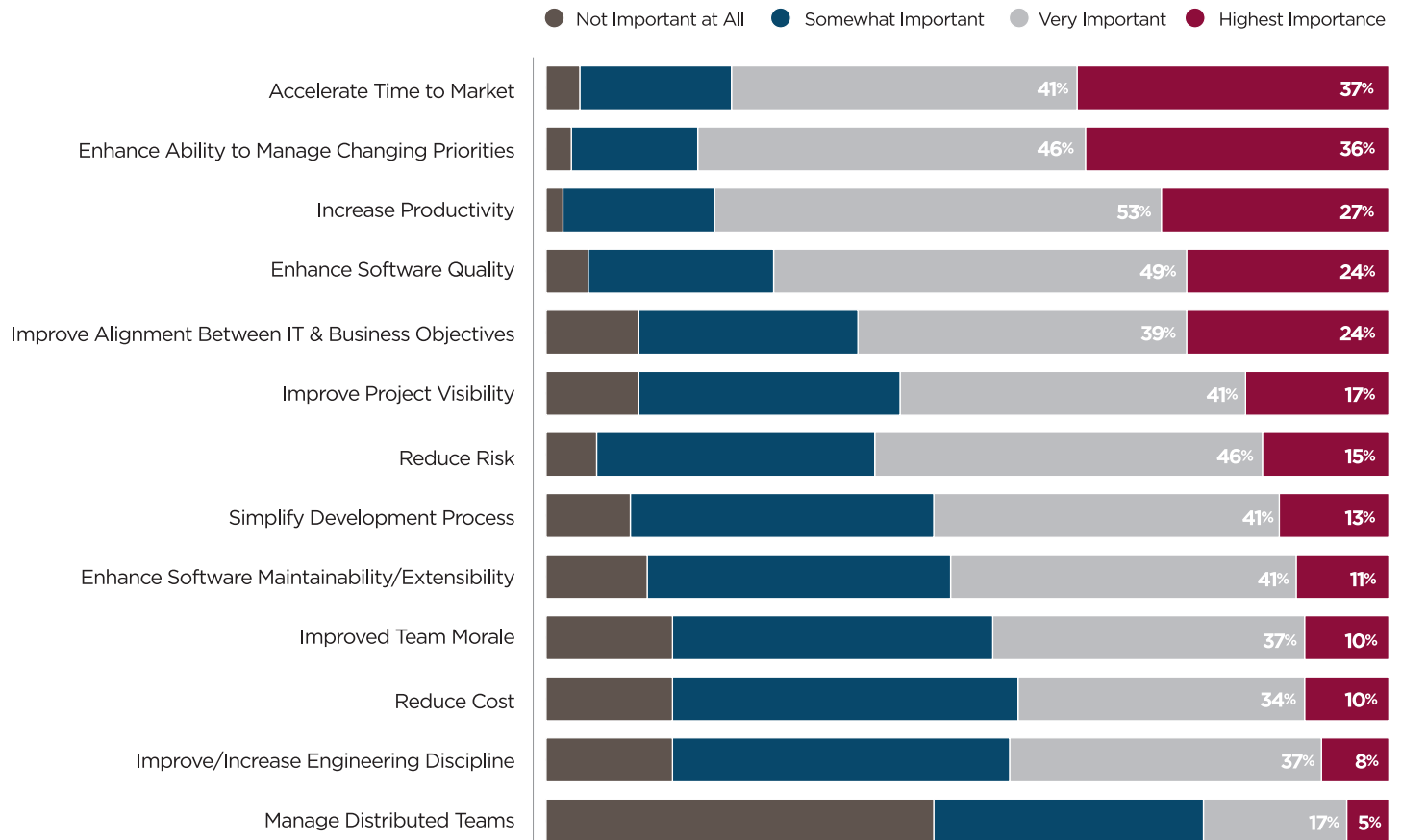
GREATEST CONCERNS ABOUT ADOPTING AGILE

The most common concerns listed by respondents when they were considering deploying agile practices was a loss of management control, management opposed to change or concerns regarding lack of upfront planning.



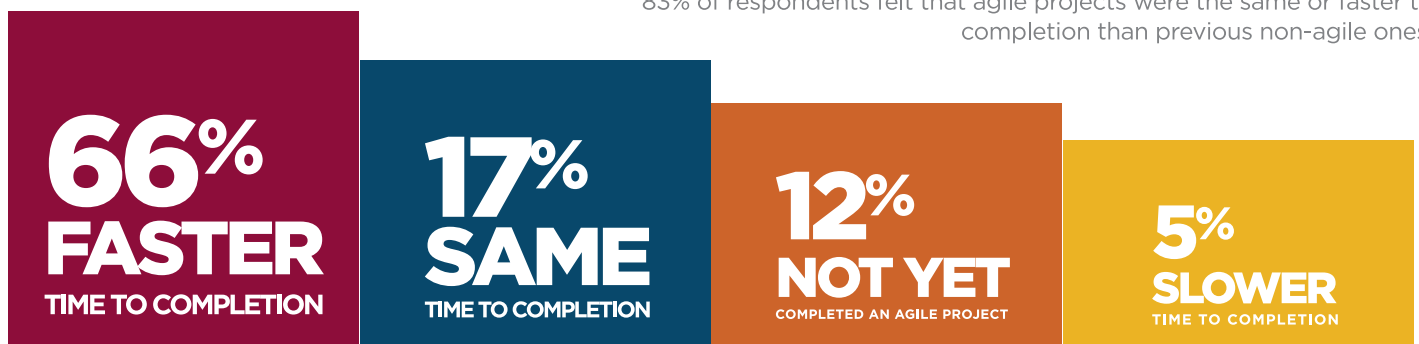
REASONS FOR ADOPTING AGILE

The most common reasons for adopting agile revolved around increased productivity and accelerating time to market.



OVERALL CONSENSUS REGARDING ADOPTION OF AGILE

83% of respondents felt that agile projects were the same or faster to completion than previous non-agile ones.

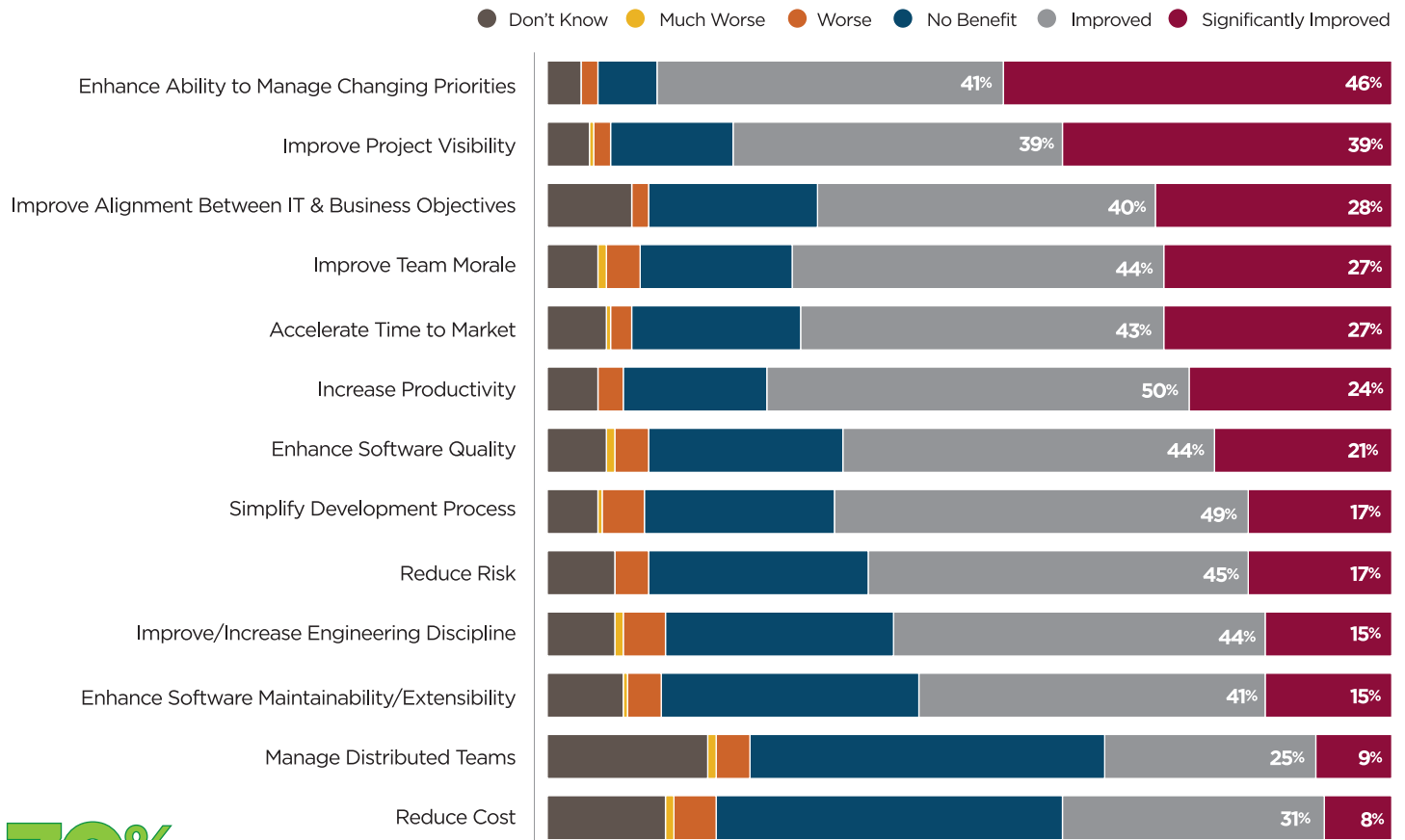


BENEFITS OBTAINED FROM IMPLEMENTING AGILE

While the most common reason for adopting agile was improved productivity and time to market, respondents cited that they actually experienced improved managerial abilities as the biggest benefit of implementing agile.

87%

of respondents said implementing agile either improved or significantly improved their ability to manage changing priorities

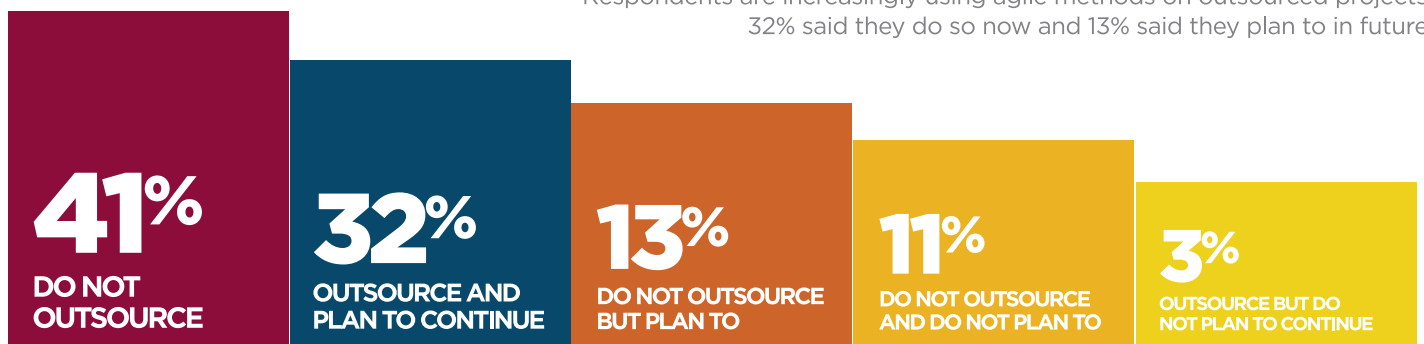


70%

of respondents showed either improved or significantly improved time to market

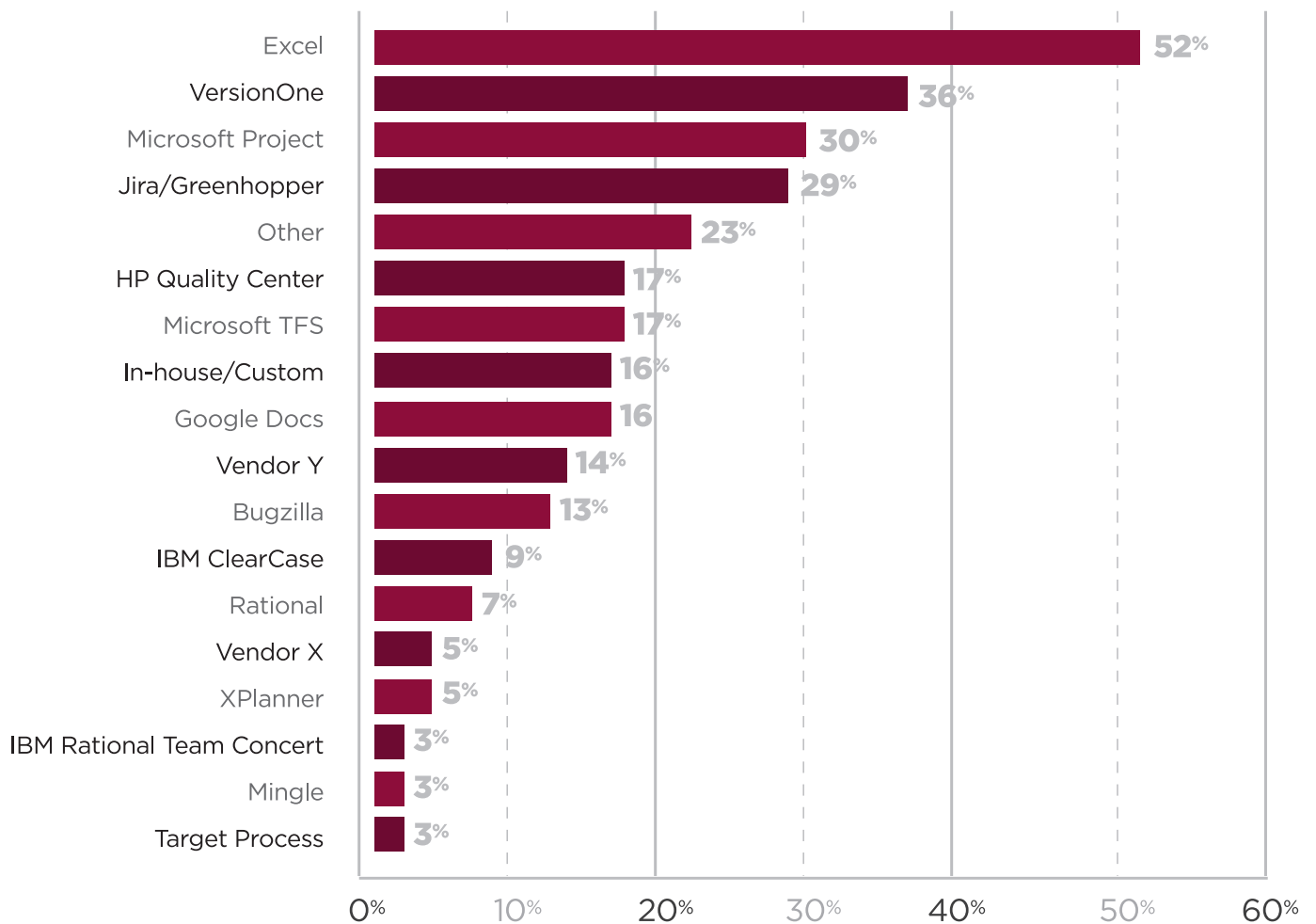
OUTSOURCED DEVELOPMENT PROJECTS

Respondents are increasingly using agile methods on outsourced projects; 32% said they do so now and 13% said they plan to in future.





SPECIFIC TOOLS CURRENTLY USED



*PREVIOUSLY VENDORS "X" AND "Y" REQUESTED NOT TO BE IDENTIFIED IN STATE OF AGILE SURVEYS

*RESPONDENTS WERE ALLOWED TO ANSWER FOR MULTIPLE TOOLS