1. Which of the following most closely describes your industry?
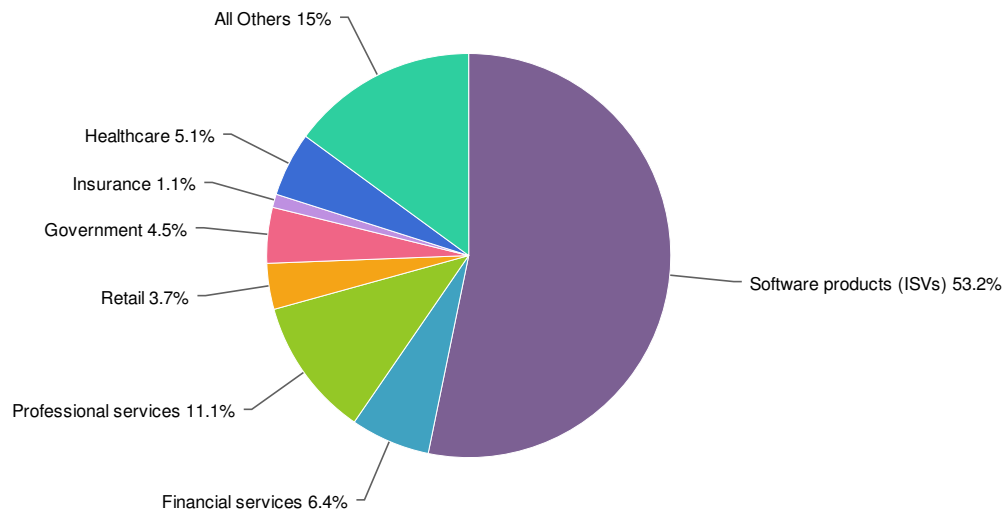
Software products (ISVs)	53.2%		694
Financial services	6.4%		83
Professional services	11.1%		145
Retail	3.7%		48
Government	4.5%		58
Insurance	1.1%		14
Healthcare	5.1%		67
Transportation and logistics	3.3%		43
Telecom carriers	2.4%		31
Media, entertainment, and leisure	6.6%		86
Utilities	2.7%		35
	Total		1,304

2. What's the average size of a development team in your organization?
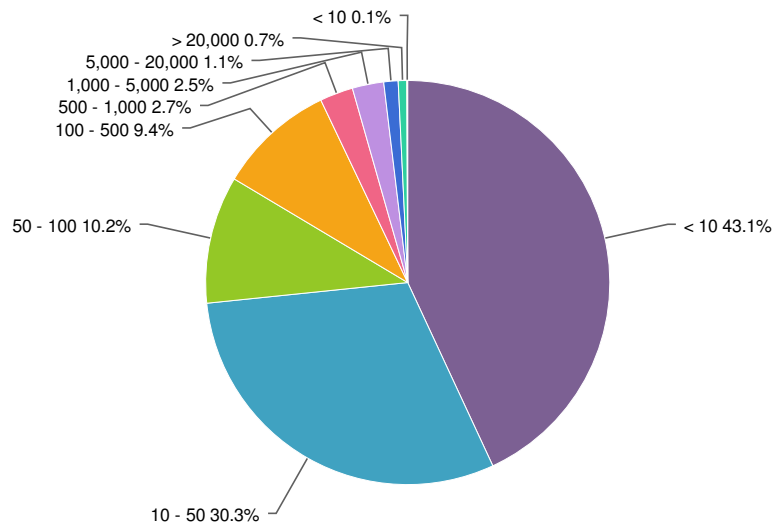
					Statistics	
< 10	43.1%		566		Sum	40,588.0
10 - 50	30.3%		398		Average	55.0
50 - 100	10.2%		134		StdDev	104.9
100 - 500	9.4%		123		Max	500.0
500 - 1,000	2.7%		35			
1,000 - 5,000	2.5%		33			
5,000 - 20,000	1.1%		15			
> 20,000	0.7%		9			
< 10	0.1%		1			
		Total	1,314			

3. How big is the engineering team on your project - developers, Product Managers, etc?
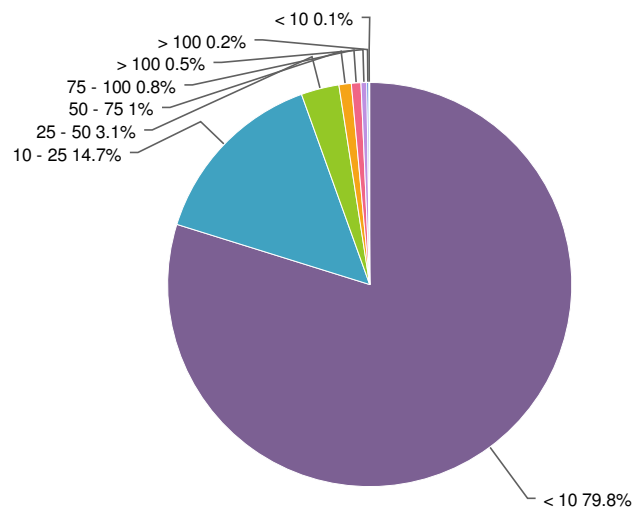
< 10	79.8%		1,048	
10 - 25	14.7%		193	
25 - 50	3.1%		40	
50 - 75	1.0%		13	
75 - 100	0.8%		10	
> 100	0.5%		6	
> 100	0.2%		2	
< 10	0.1%		1	
		Total	1,313	

Statistics

Sum	4,330.0
Average	16.9
StdDev	15.3
Max	75.0

4. What percentage of your team works remotely (isn't co-located)?

< 10% 0.1%

50 - 75% 16.4%

0, we're all in the same office 27.9%

25 - 50% 13.1%
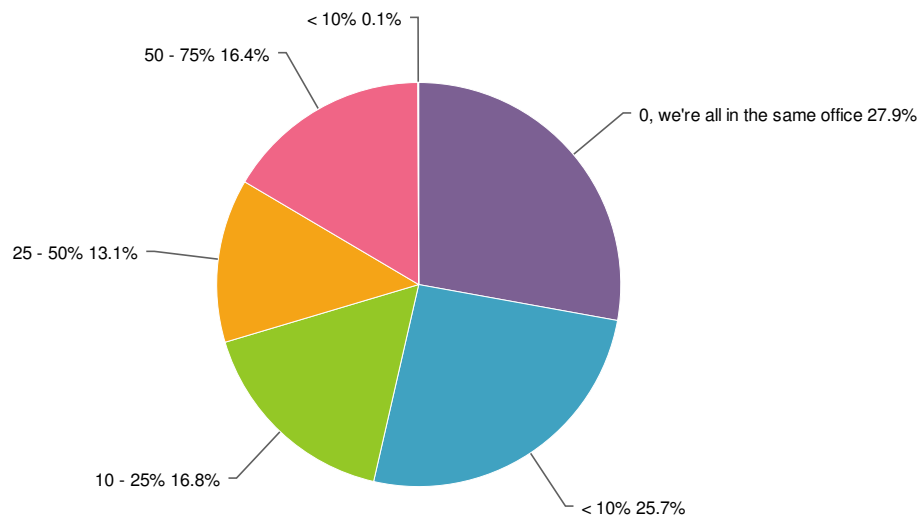
10 - 25% 16.8%

< 10% 25.7%

0, we're all in the same office	27.9%		366
< 10%	25.7%		338
10 - 25%	16.8%		221
25 - 50%	13.1%		172
50 - 75%	16.4%		216
< 10%	0.1%		1
		Total	1,314

Statistics

Sum	17,310.0
Average	28.4
StdDev	17.1
Max	50.0

5. Has your development organization adopted Agile practices?

Not sure 5.1%

No 14.6%

Yes, all teams 43.7%
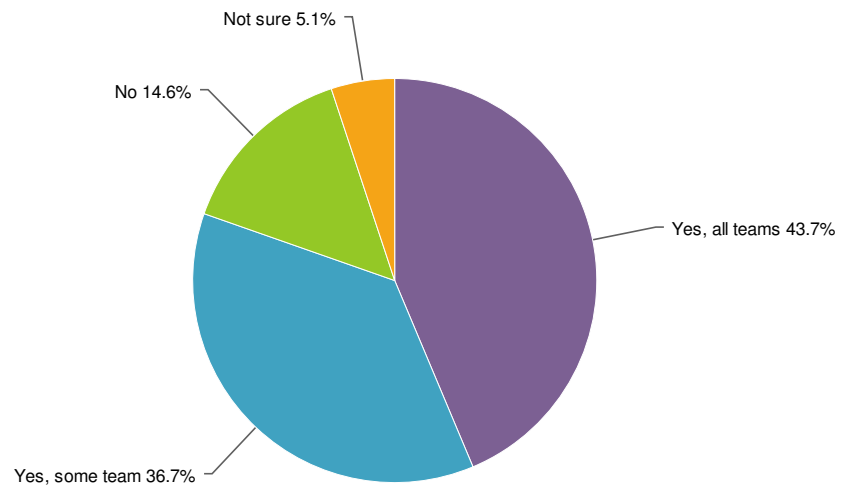
Yes, some team 36.7%

Yes, all teams	43.7%		576
Yes, some team	36.7%		484
No	14.6%		192
Not sure	5.1%		67
		Total	1,319

6. What's your timeframe for adopting Agile practices?
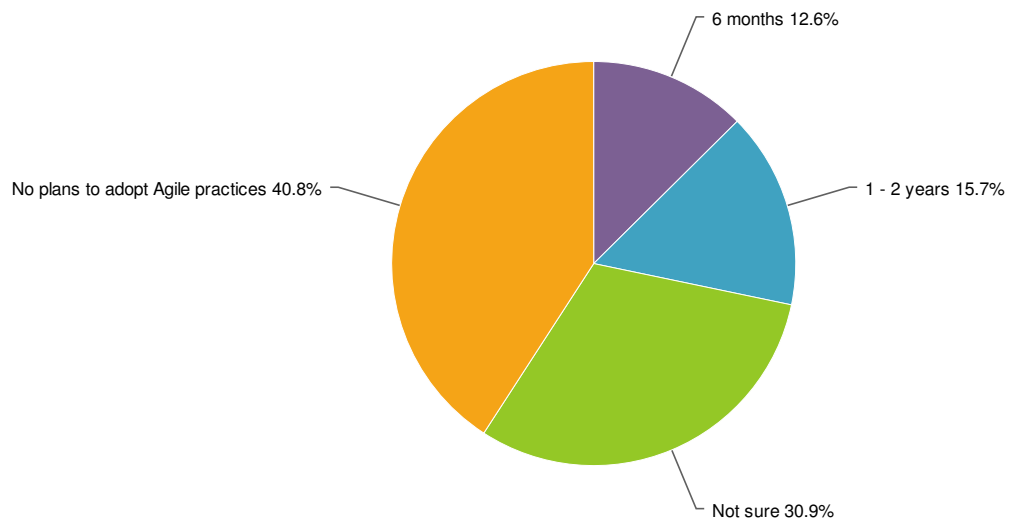
6 months	12.6%		24
1 - 2 years	15.7%		30
Not sure	30.9%		59
No plans to adopt Agile practices	40.8%		78
		Total	191

Statistics

Sum	174.0
Average	3.2
StdDev	2.5
Max	6.0

7. To what extent do you and your teams follow the core agile practices?
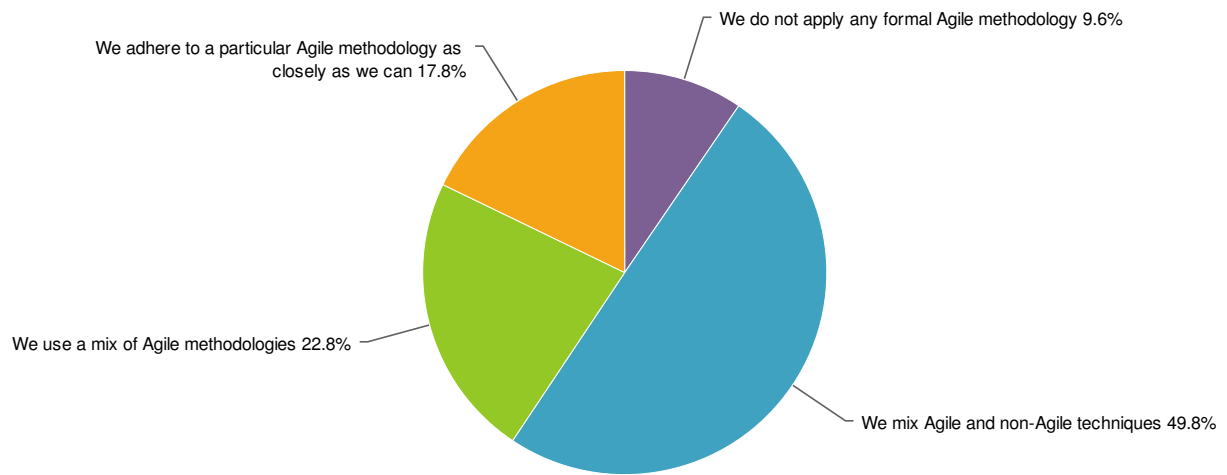
We do not apply any formal Agile methodology	9.6%	98
We mix Agile and non-Agile techniques	49.8%	511
We use a mix of Agile methodologies	22.8%	234
We adhere to a particular Agile methodology as closely as we can	17.8%	183
	Total	1,026

8. Rank how you feel your team performs against the following agile metrics?

|	Average	Max	StdDev	Responses
User stories completed	6.16	10	2.73	965
Features completed	6.70	10	2.42	960
Velocity: user story points in backlog over time	4.81	10	2.73	889
Velocity: number of features in the backlog over time	4.92	10	2.59	884
Function points completed	4.94	10	2.95	832
			Total	992

9. Are you using a distributed version control system (DVCS), like Git?

Not sure 2%
No 12.8%
Yes 85.2%
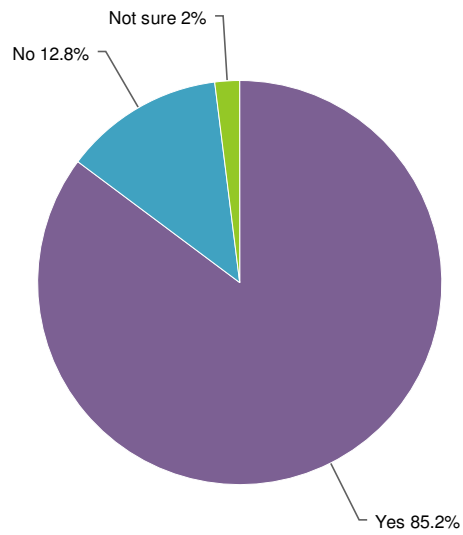
Yes	85.2%		1,123
No	12.8%		169
Not sure	2.0%		26
		Total	1,318
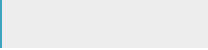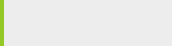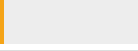
10. Are you planning to migrate to DVCS?

Not sure 30.7%
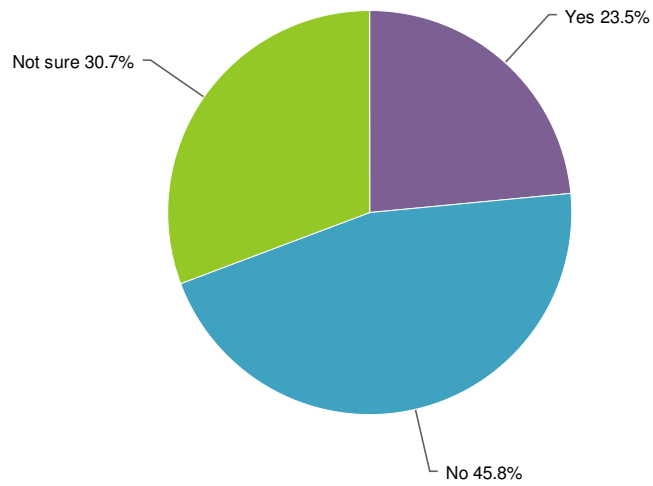
Yes 23.5%

No 45.8%

Yes	23.5%			39
No	45.8%			76
Not sure	30.7%			51
			Total	166

11. What's your timeline for migrating to DVCS?

6 months	12.7%			21	**Statistics**		
1 - 2 years	13.9%			23	Sum	149.0
Not sure	29.7%			49	Average	3.4
No plans to migrate to DVCS	43.6%			72	StdDev	2.5
		Total		165	Max	6.0

12. Do you have a branching strategy in place?
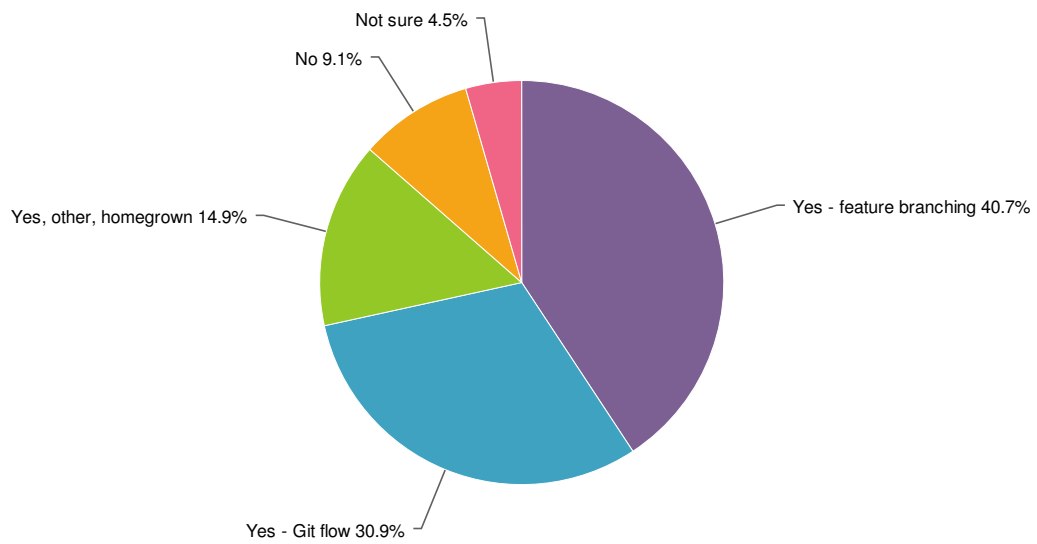
Yes - feature branching	40.7%		454
Yes - Git flow	30.9%		344
Yes, other, homegrown	14.9%		166
No	9.1%		101
Not sure	4.5%		50
		Total	1,115

13. Does your team enforce any approval criteria during the code review process? i.e. minimum # of approvers before merge?
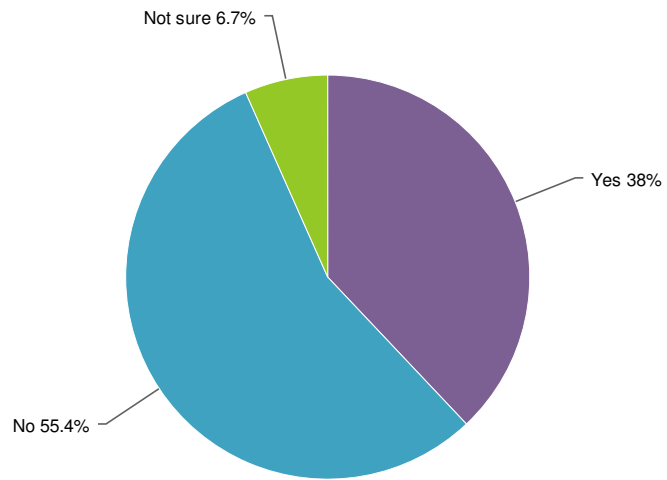
Yes	38.0%		422
No	55.4%		616
Not sure	6.7%		74
		Total	1,112

14. What is the average time a pull request (or code review) waits for the required number of reviewers to review it?

Not sure 26.6%

Less than 4 hours 26.4%

More than a week but less than two weeks 2.2%

More than 4 hours but less than a day 20.9%

More than a day but less than a week 24%
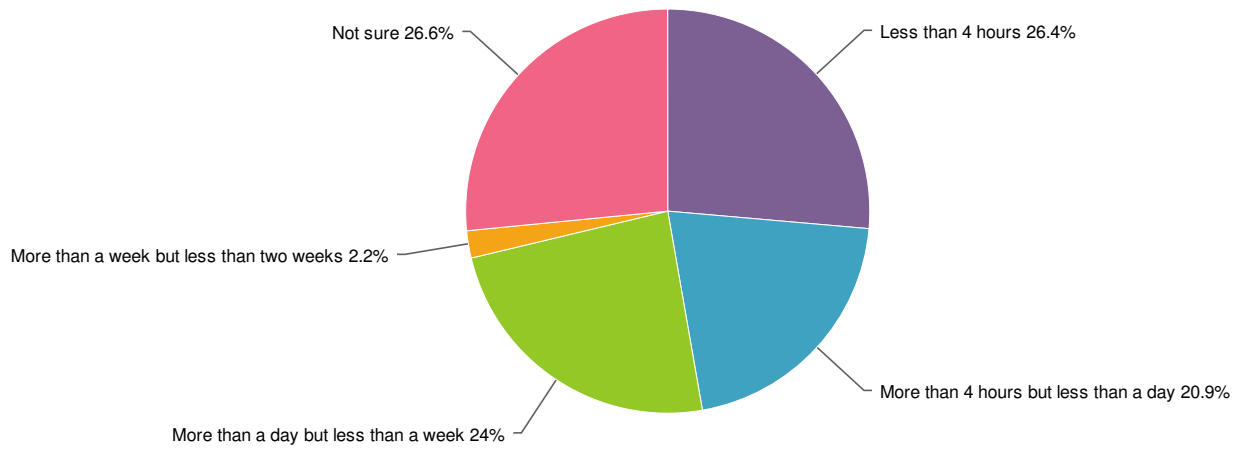
Less than 4 hours	26.4%		292
More than 4 hours but less than a day	20.9%		231
More than a day but less than a week	24.0%		266
More than a week but less than two weeks	2.2%		24
Not sure	26.6%		294
		Total	1,107

15. Is your source code management tool integrated with a build system and issue tracker?

Not sure 3%

No, neither 15.4%

Yes - issue tracker 23.2%

Yes - build system 10.9%

Yes - both issue tracker and build system 47.6%
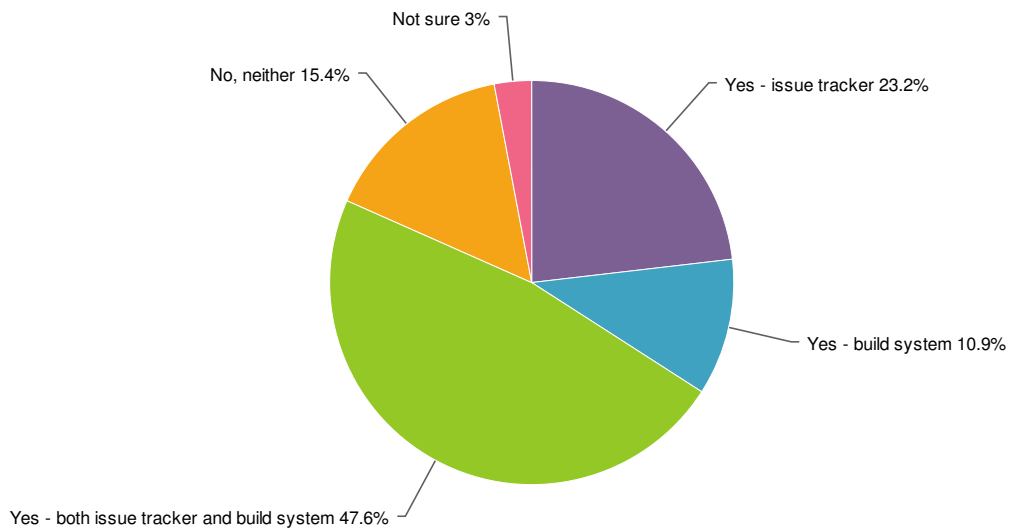
Yes - issue tracker	23.2%		256
Yes - build system	10.9%		121
Yes - both issue tracker and build system	47.6%		526
No, neither	15.4%		170
Not sure	3.0%		33
		Total	1,106

16. Are you practicing continuous integration / continuous delivery?

Not sure 7.4%

No 27.4%

Yes - CI only 38.9%

Yes - both CI and CD 22.1%
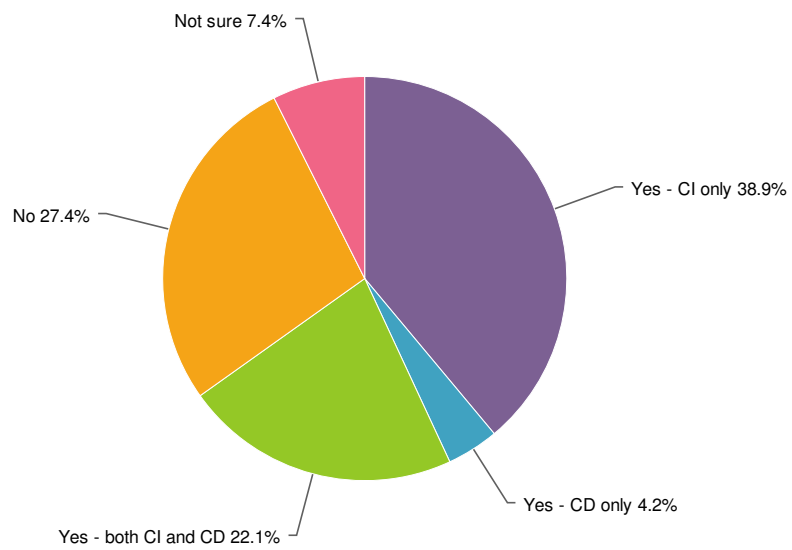
Yes - CD only 4.2%

Yes - CI only	38.9%		515
Yes - CD only	4.2%		55
Yes - both CI and CD	22.1%		292
No	27.4%		363
Not sure	7.4%		98
		Total	1,323

17. Do you have plans implement a continuous integration / continuous delivery process?
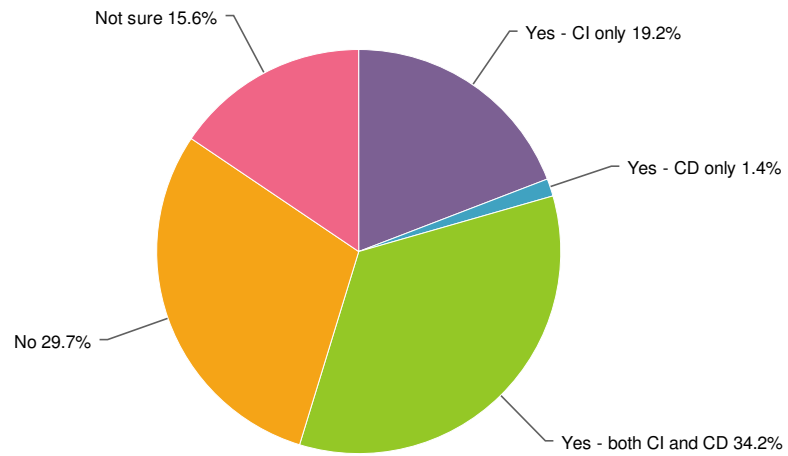
Yes - CI only	19.2%		69
Yes - CD only	1.4%		5
Yes - both CI and CD	34.2%		123
No	29.7%		107
Not sure	15.6%		56
		Total	360

18. What's your timeline for this?
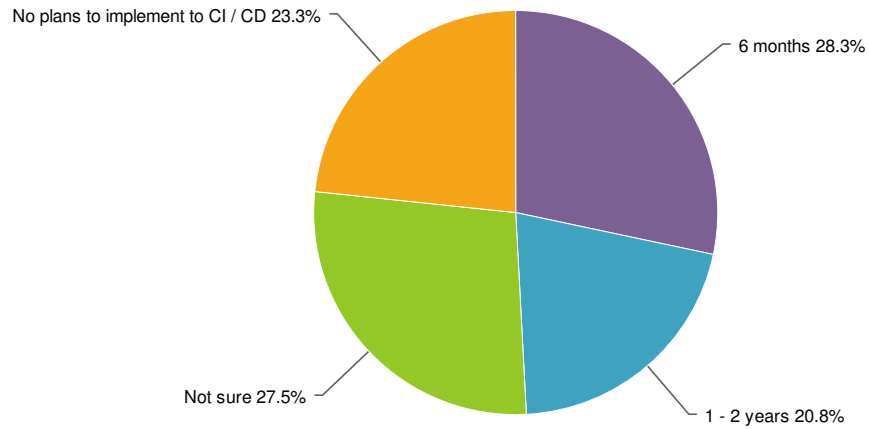
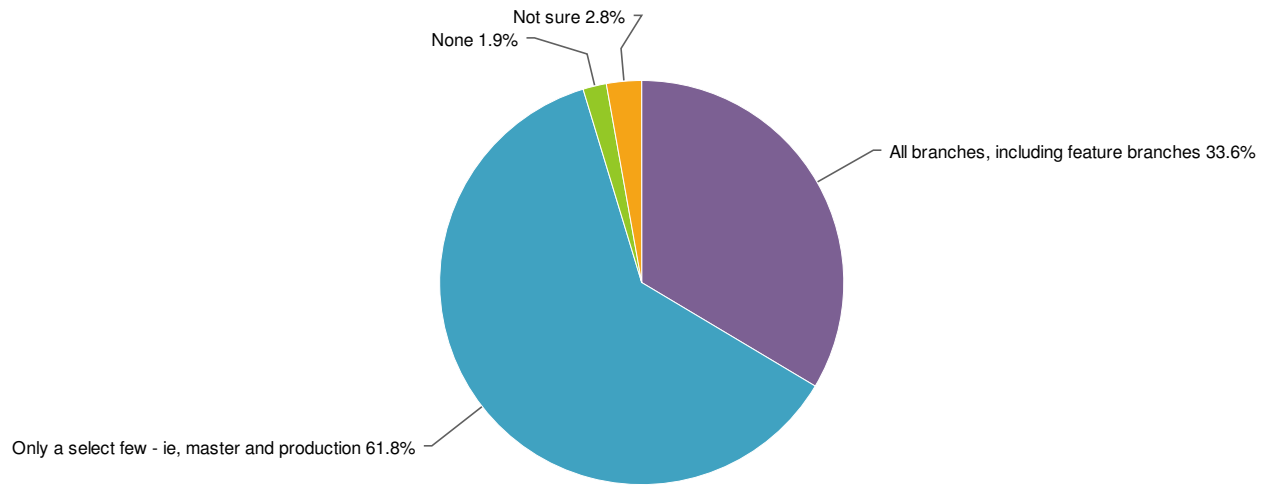|			
6 months	28.3%		102
1 - 2 years	20.8%		75
Not sure	27.5%		99
No plans to implement to CI / CD	23.3%		84
		Total	360

Statistics

Sum	687.0
Average	3.9
StdDev	2.5
Max	6.0

19. New Multiple Choice

Total

20. What branches do builds run on in your repository?

Not sure 2.8%
None 1.9%
All branches, including feature branches 33.6%
Only a select few - ie, master and production 61.8%

All branches, including feature branches	33.6%		287
Only a select few - ie, master and production	61.8%		528
None	1.9%		16
Not sure	2.8%		24
		Total	855

21. If you were to change one line of code on your project, how long would it typically take your organization to push the resulting change into production?
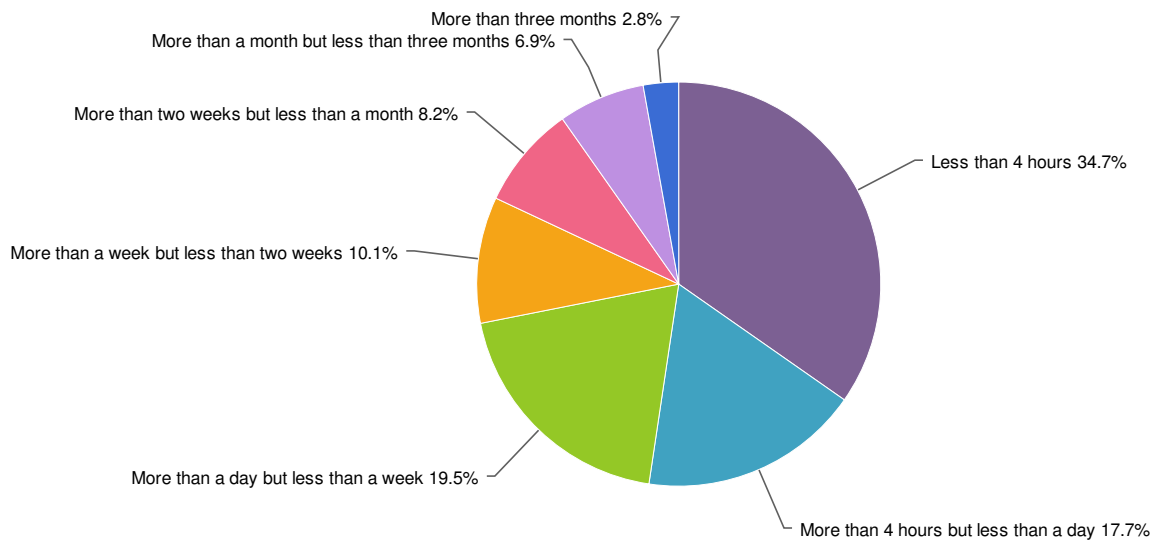
Less than 4 hours	34.7%		295
More than 4 hours but less than a day	17.7%		150
More than a day but less than a week	19.5%		166
More than a week but less than two weeks	10.1%		86
More than two weeks but less than a month	8.2%		70
More than a month but less than three months	6.9%		59
More than three months	2.8%		24
		Total	850

22. Are you using virtualization and/or containerization to spin up test environments?

Not sure 4.2%
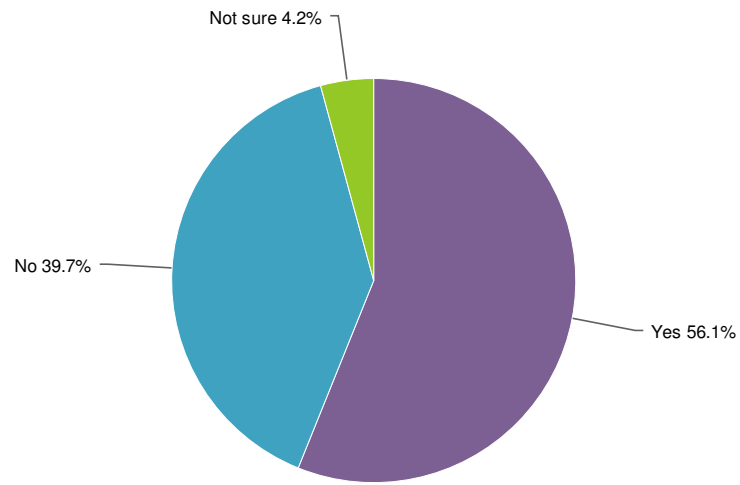
No 39.7%

Yes 56.1%

Yes	56.1%		741
No	39.7%		524
Not sure	4.2%		56
	Total		1,321