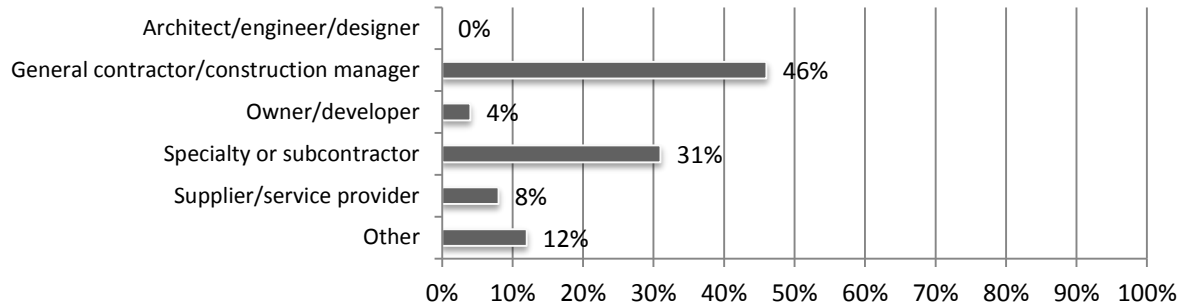




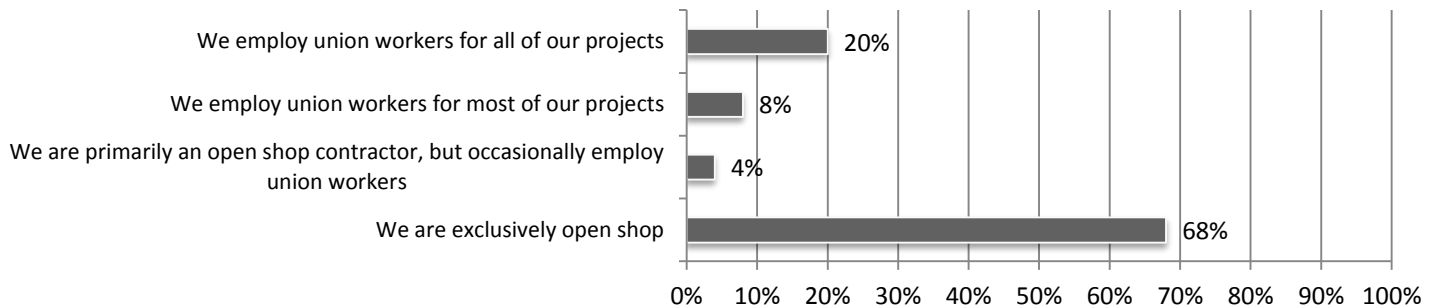
## 2018 Construction Outlook Survey Results Oregon Results

Total Responses: 26. Responses varied for some questions. Percentages are based on responses to each question and may not sum to 100 due to rounding.

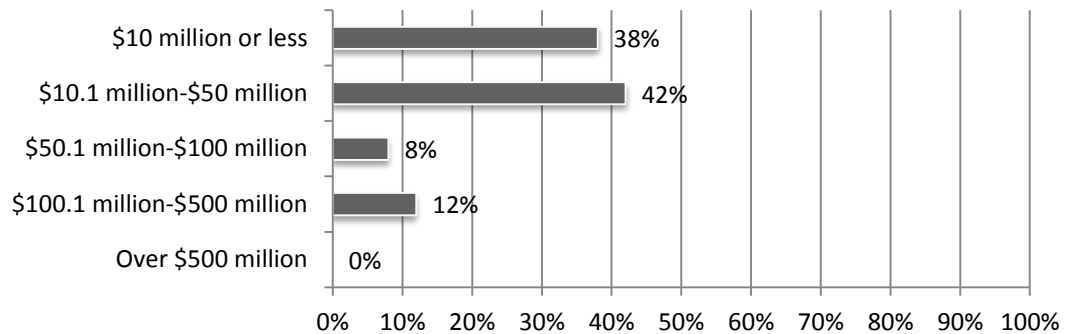
### 1. What best describes your firm:



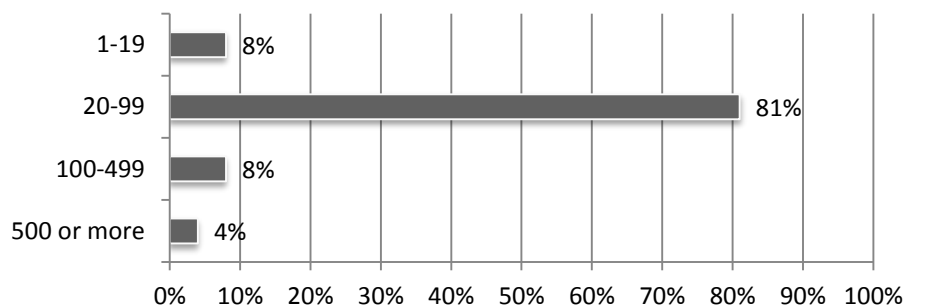
### 2. Does your firm employ union workers, or is your firm primarily open shop?



### 3. Estimate the total dollar amount of work your firm performed in 2017.



### 4. How many total employees does your firm employ at all of its locations?

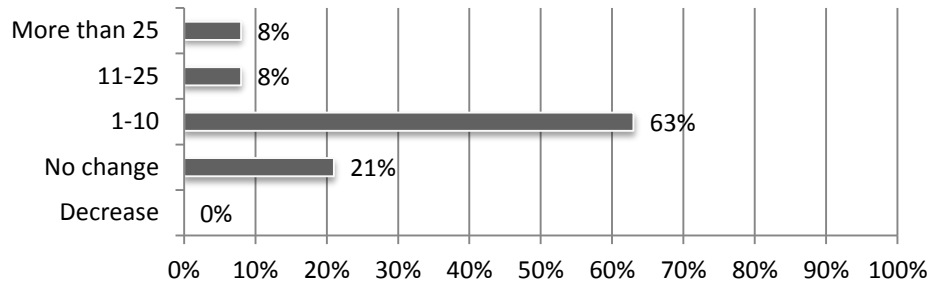


**5. Compared to 2017, do you expect the available dollar volume of projects you compete for in 2018 to be:**

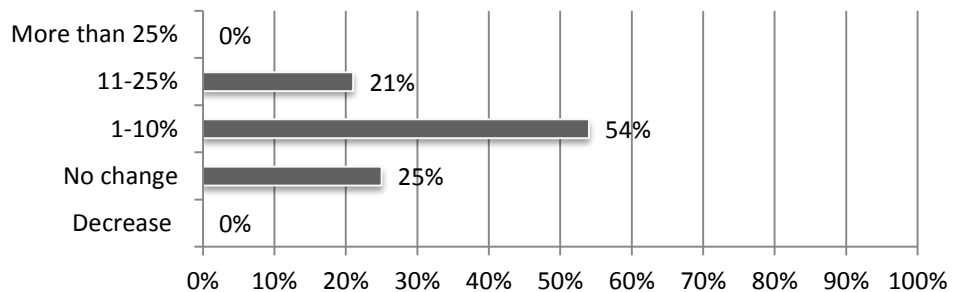
Market	Higher	Lower	Same	Net*
All projects	55%	9%	36%	45%
Federal (e.g., VA, GSA, USACE, NAVFAC)	21%	21%	57%	0%
Higher Education	33%	0%	67%	33%
Highway	50%	10%	40%	40%
Hospital	38%	0%	62%	38%
K-12 School	83%	0%	17%	83%
Manufacturing	57%	7%	36%	50%
Multifamily Residential	36%	9%	55%	27%
Power	17%	8%	75%	8%
Private Office	28%	17%	56%	11%
Public Building	38%	6%	56%	31%
Retail, Warehouse, Lodging	27%	0%	73%	27%
Transportation (e.g., transit, rail, airport)	36%	0%	64%	36%
Water/Sewer	22%	11%	67%	11%

*\*Net equals difference between number of "Higher" and "Lower" responses as percent of total.*

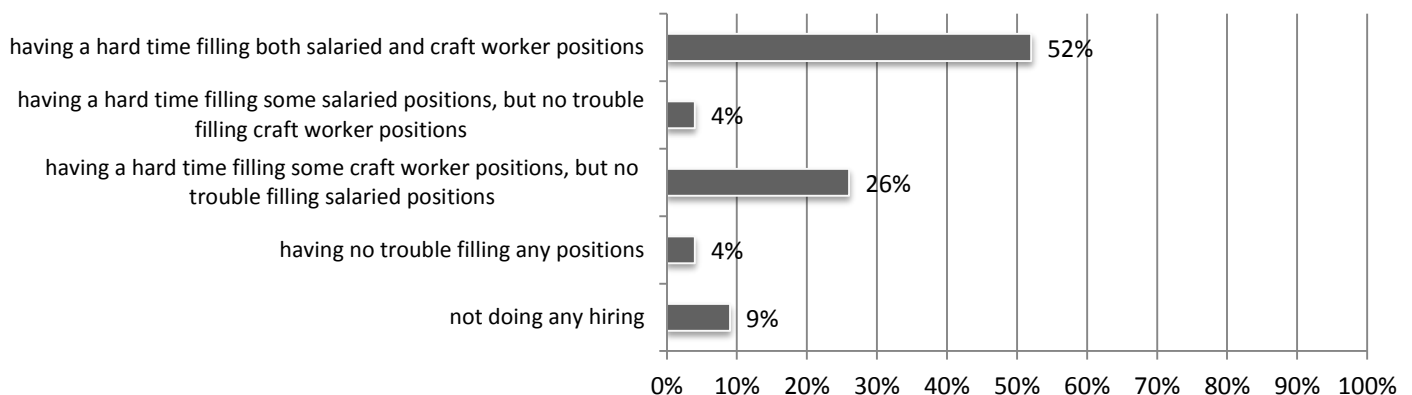
**6. What numerical change do you expect in your headcount in 2018?**



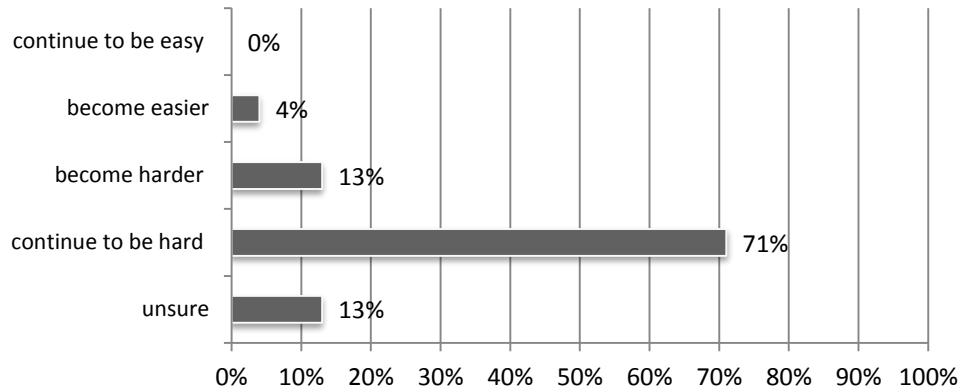
**7. What percentage change do you expect in your headcount in 2018?**



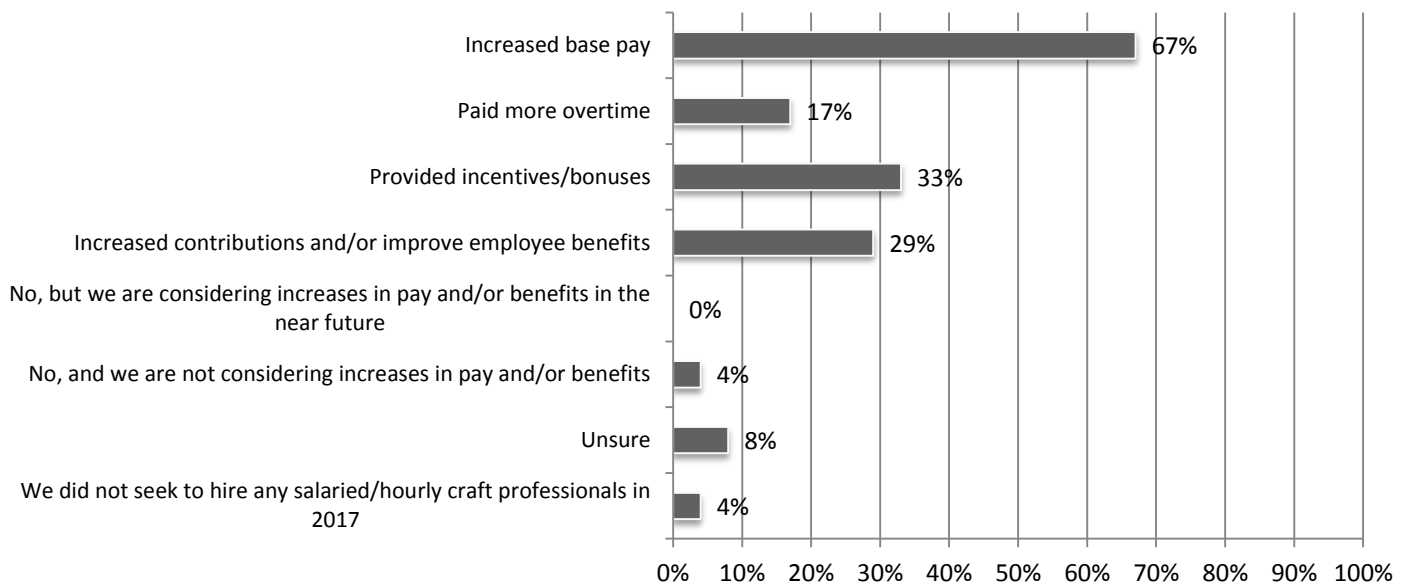
**8. How would you describe your firm's current conditions for filling key salaried positions (project manager/supervisor, estimator, etc.) and hourly craft positions (carpenter, laborer, equipment operator, etc.)? My firm is:**



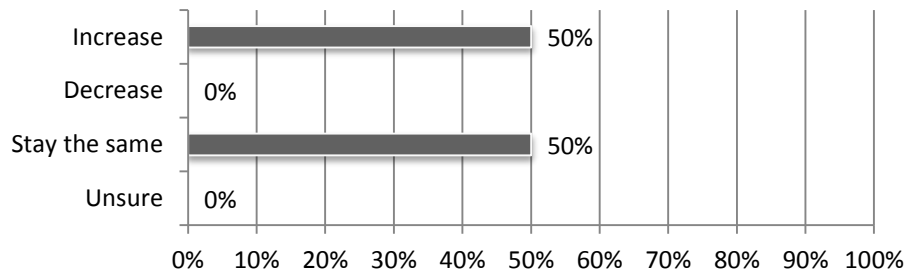
**9. Do you expect any changes in the availability of salaried/hourly craft construction professionals over the coming 12 months? Finding and hiring qualified construction professionals will:**



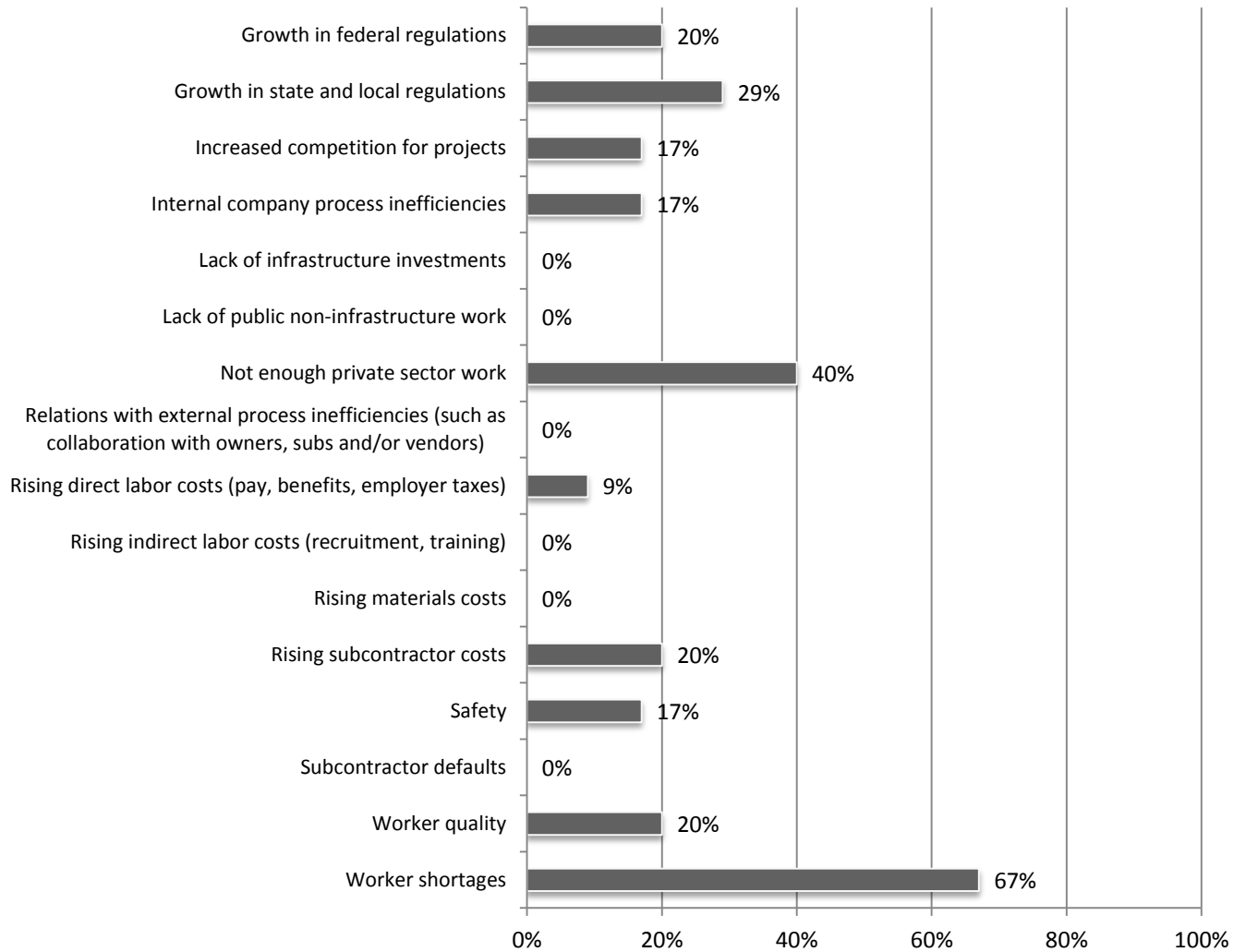
**10. Did your firm increase pay or benefits in 2017 to retain or recruit salaried/hourly craft professionals?**



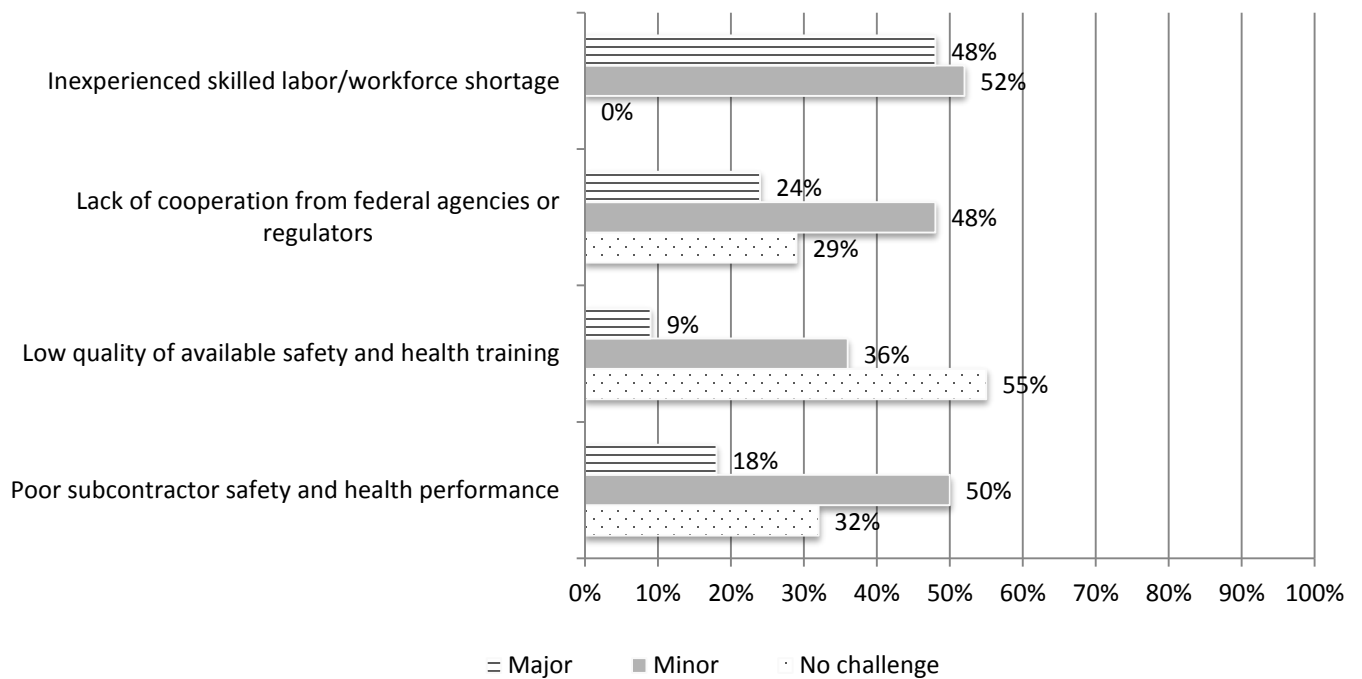
**11. Compared to 2017, how will your firm's 2018 investment in training and development change?**



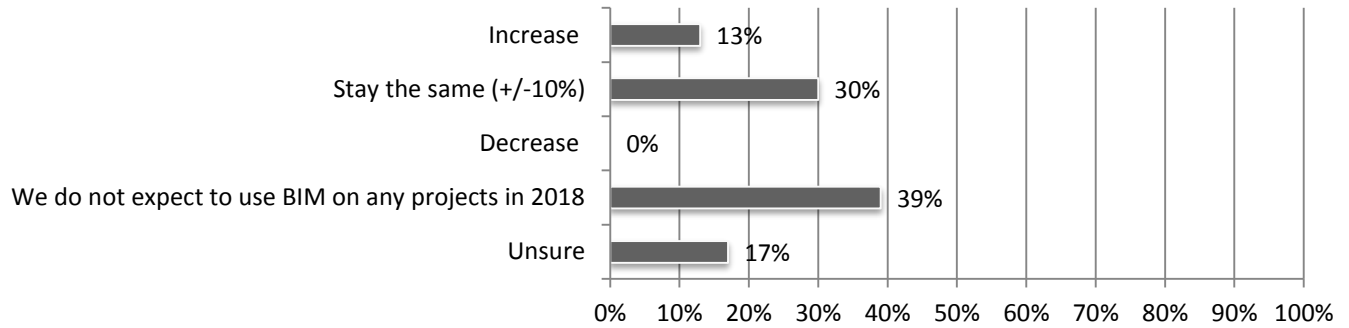
**12. Which of the following issues is the biggest concern to your firm out of the following list?**



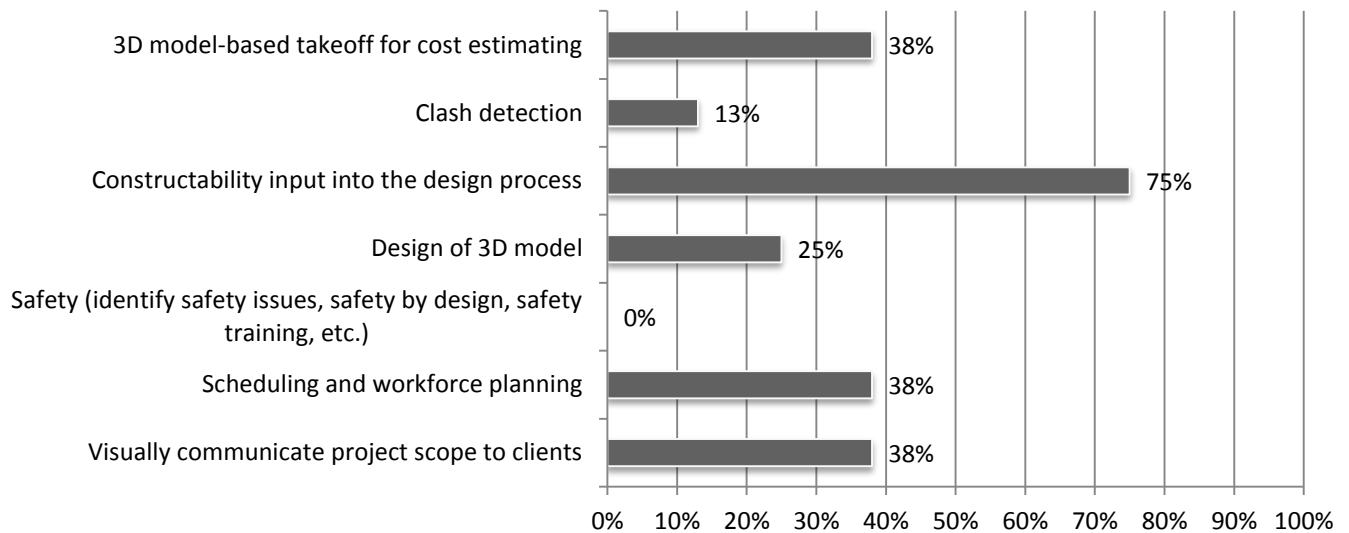
**13. What challenges, if any, do you see regarding the safety and health of your firm's workers?**



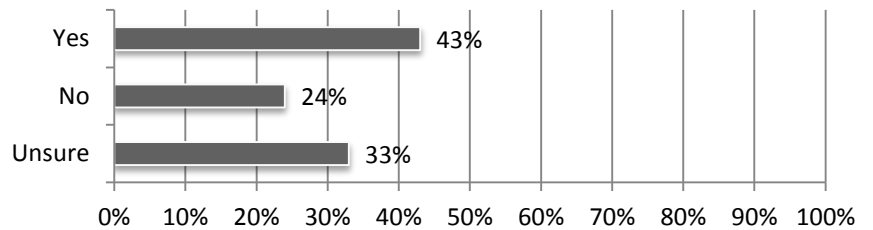
**14. What change do you expect in 2018 in the number of your firm's projects that involve Building Information Modeling (BIM)?**



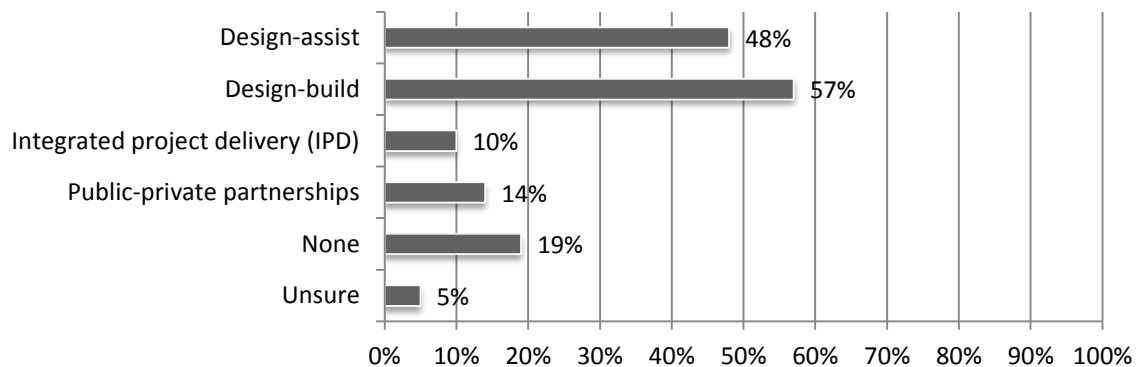
**15. What is your firm using BIM for?**



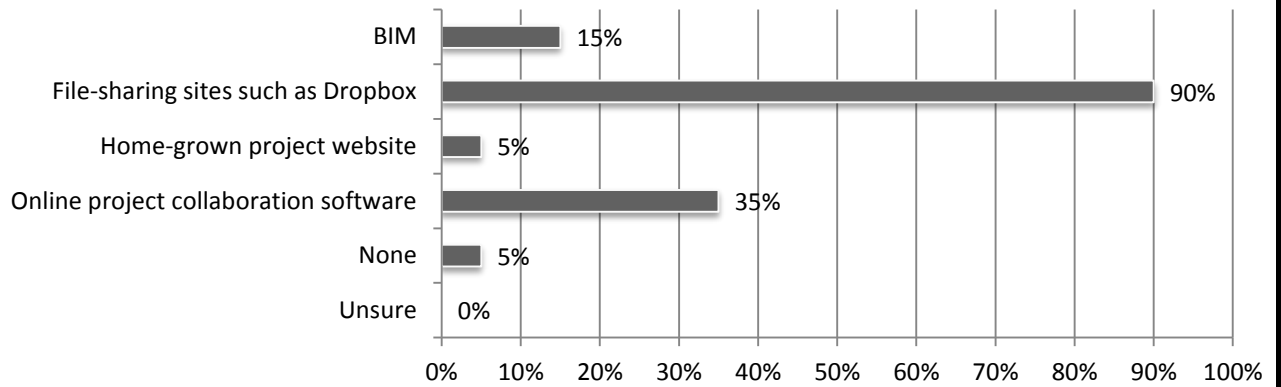
**16. Does your firm utilize lean construction principles on its projects and/or in its operation?**



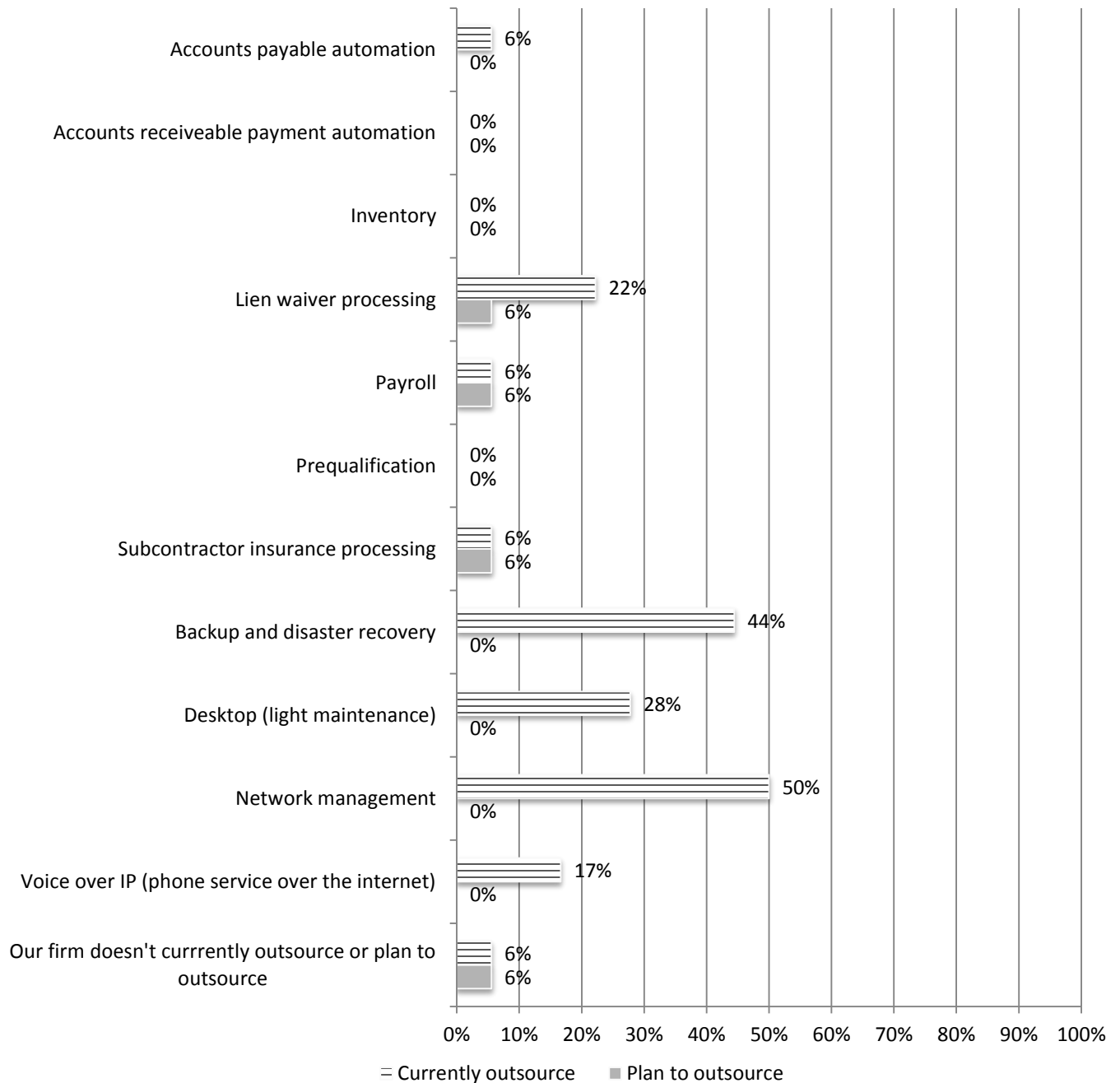
**17. Does your firm use any of the following collaborative project delivery methods?**



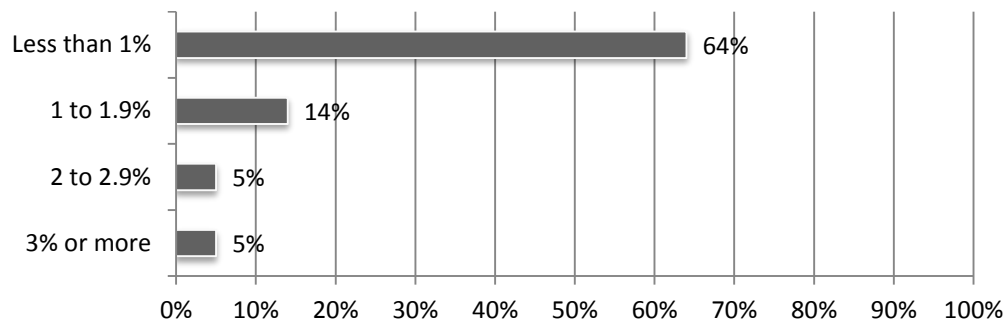
**18. Does your firm use any of the following to collaborate with project partners?**



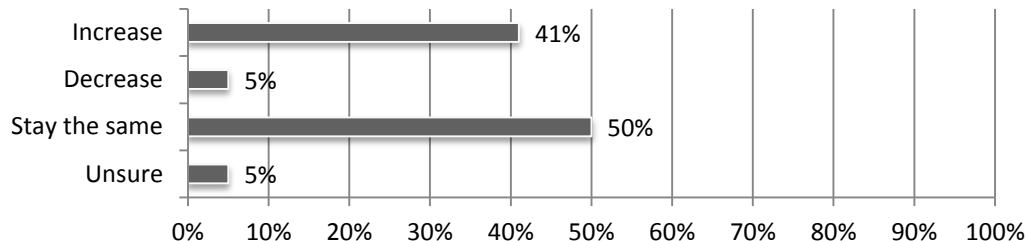
**19. What business of IT functions does your firm outsource or plan to outsource to a technology provider?**



**20. Approximately what percent of your firm's gross annual revenue is spent on IT?**



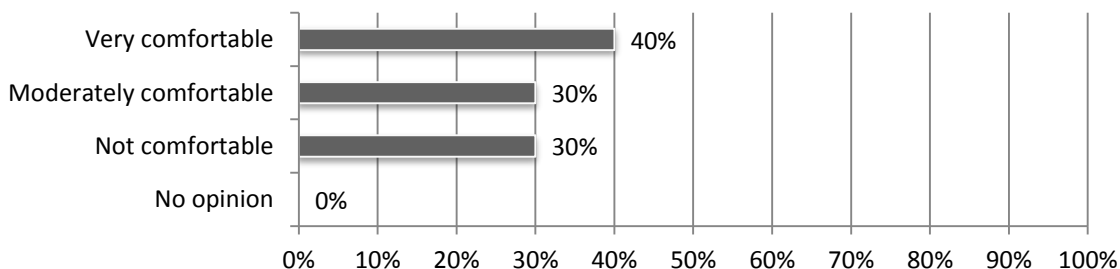
**21. Compared to 2017, how will your firm's 2018 investment in IT change?**



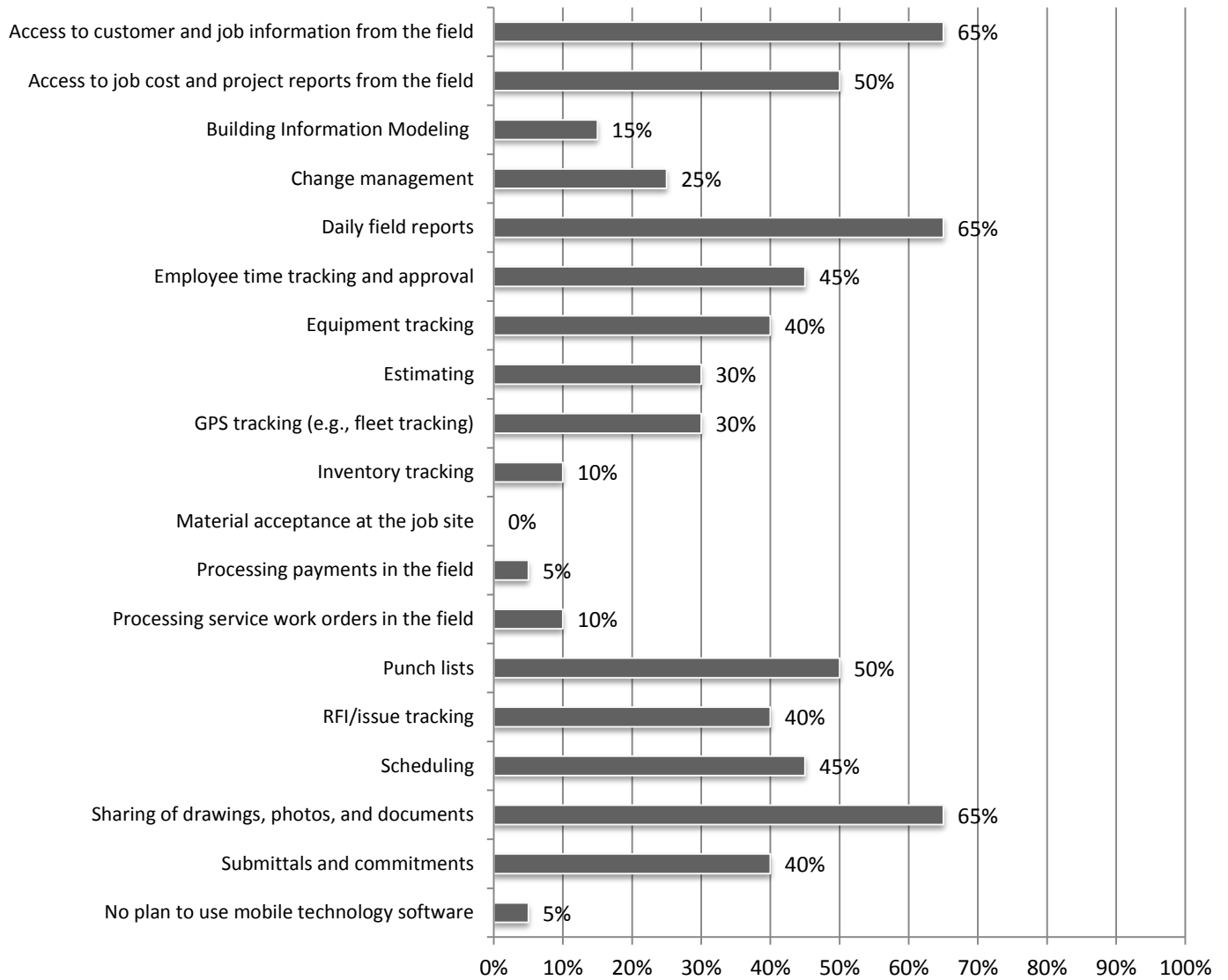
**22. Compared to 2017, how will your firm's 2018 investment in the following technologies change?**

Technologies	Increase	Stay the same	Decrease	Unsure
Accounting software	15%	85%	0%	0%
Building Information Modeling	19%	56%	0%	25%
Client relationship management software	0%	63%	0%	38%
Document management software	22%	67%	0%	11%
Estimating software	44%	56%	0%	0%
Fleet tracking/management software	19%	63%	0%	19%
Human resources software	26%	53%	0%	21%
Payroll software	5%	95%	0%	0%
Prequalification software	0%	69%	0%	31%
Project collaboration software	19%	69%	0%	13%
Project management software	29%	65%	0%	6%
Scheduling software	17%	72%	0%	11%
Service management software	0%	93%	0%	7%
Subcontractor bid management/IT B software	13%	80%	0%	7%

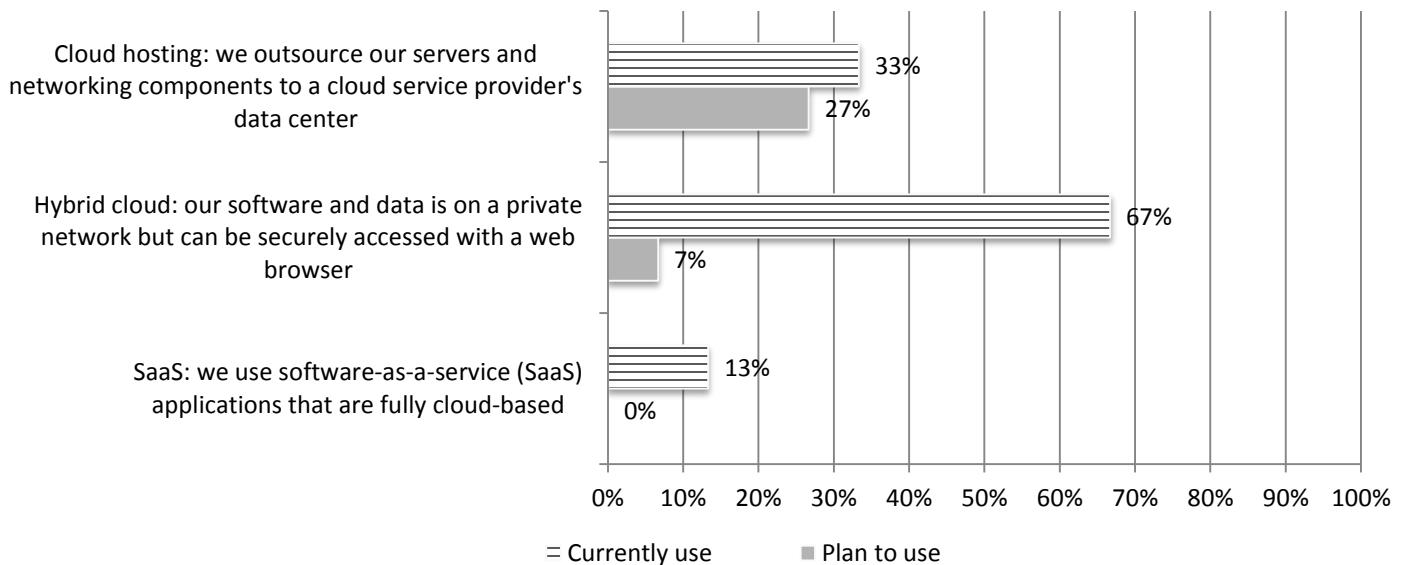
**23. How comfortable is your firm with moving its data to the cloud?**



## 24. How does your firm plan to use mobile software technology?

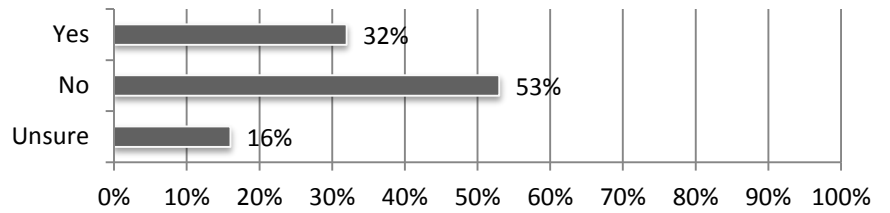


## 25. Which of the following cloud service models does your firm plan to use?

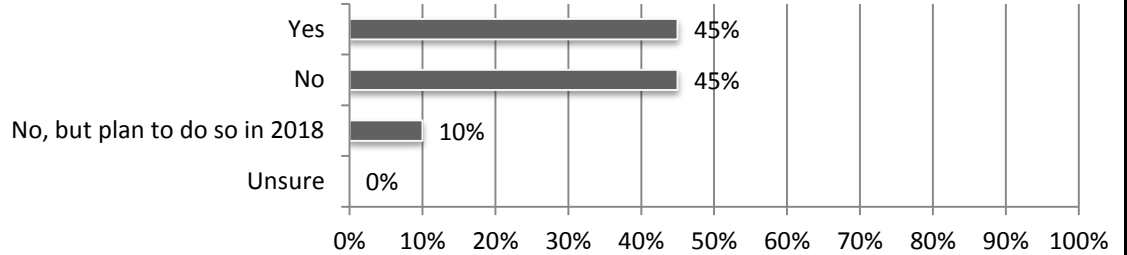




**26. Does your firm currently have a mobile security plan in place?**



**27. Does your firm currently have a formal IT plan that support your business objectives?**



**28. What are your firm's biggest IT challenges?**

