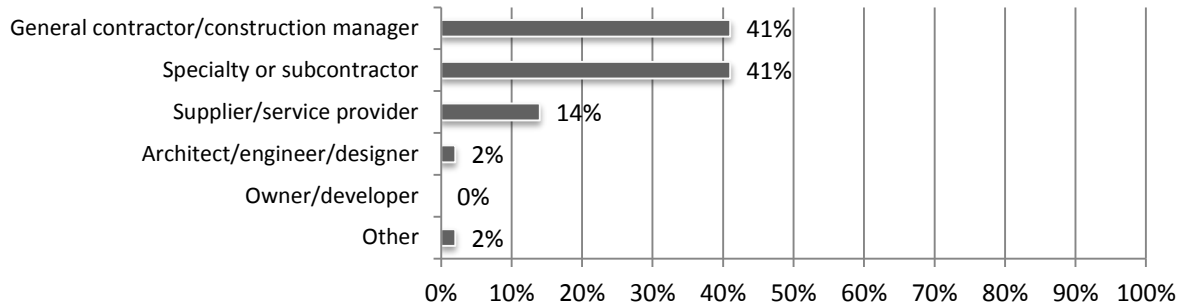




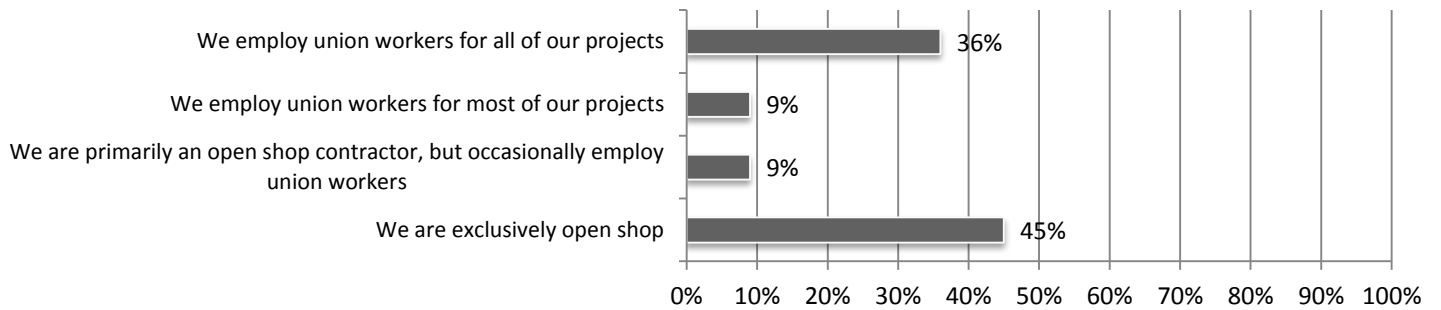
## 2018 Construction Outlook Survey Results Washington Results

Total Responses: 44. Responses varied for some questions. Percentages are based on responses to each question and may not sum to 100 due to rounding.

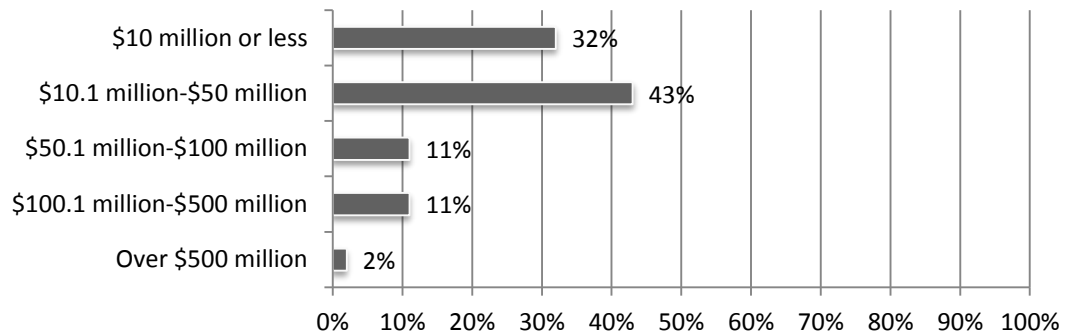
### 1. What best describes your firm:



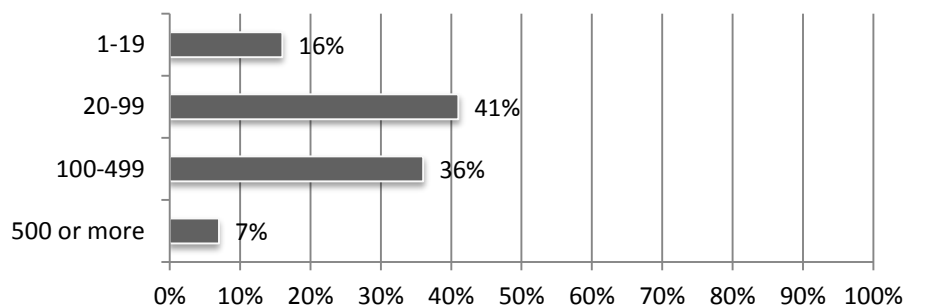
### 2. Does your firm employ union workers, or is your firm primarily open shop?



### 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?

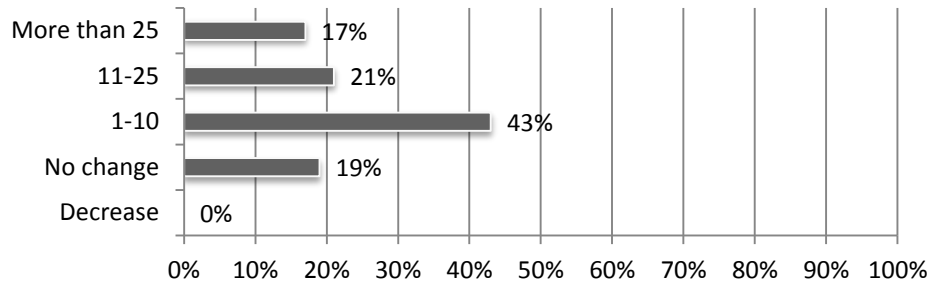


**5. Compared to 2017, do you expect the available dollar volume of projects you compete for in 2018 to be:**

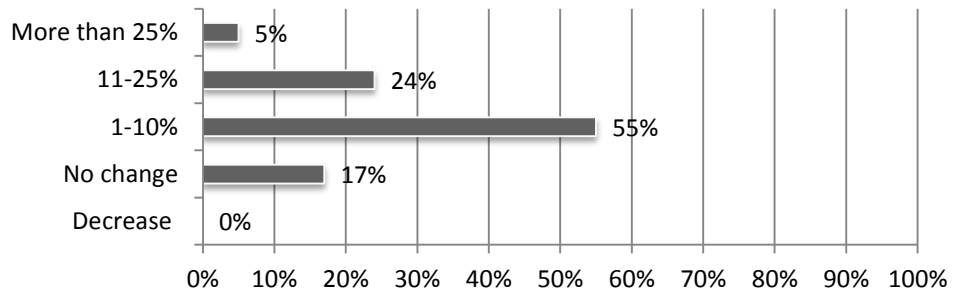
| Market  | Higher | Lower | Same | Net* |
|---|--------|-------|------|------|
| All projects                                  | 44%    | 3%    | 53%  | 41%  |
| Transportation (e.g., transit, rail, airport) | 46%    | 7%    | 46%  | 39%  |
| K-12 School                                   | 42%    | 15%   | 42%  | 27%  |
| Private Office                                | 26%    | 4%    | 70%  | 22%  |
| Multifamily Residential                       | 31%    | 15%   | 54%  | 15%  |
| Public Building                               | 23%    | 8%    | 69%  | 15%  |
| Retail, Warehouse, Lodging                    | 18%    | 7%    | 75%  | 11%  |
| Manufacturing                                 | 29%    | 19%   | 52%  | 10%  |
| Higher Education                              | 19%    | 15%   | 65%  | 4%   |
| Water/Sewer                                   | 17%    | 13%   | 70%  | 3%   |
| Highway                                       | 26%    | 26%   | 48%  | 0%   |
| Federal (e.g., VA, GSA, USACE, NAVFAC)        | 8%     | 12%   | 80%  | -4%  |
| Hospital                                      | 16%    | 24%   | 60%  | -8%  |
| Power   | 10%    | 19%   | 71%  | -10% |

\*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?**



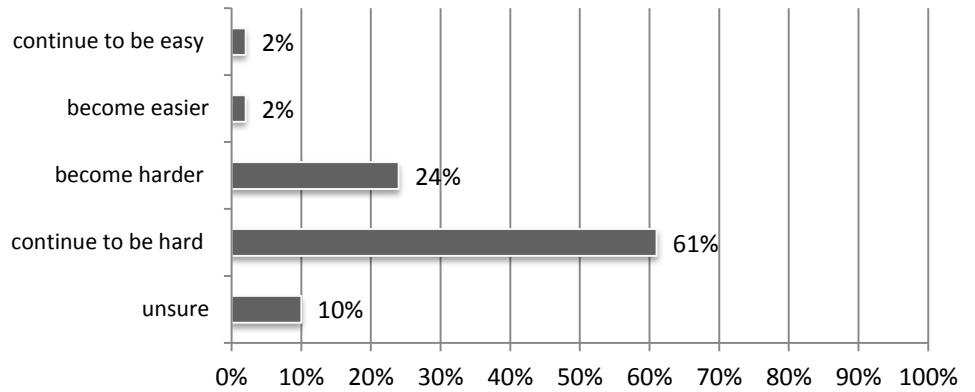
**7. What percentage change do you expect in your headcount in 2018?**



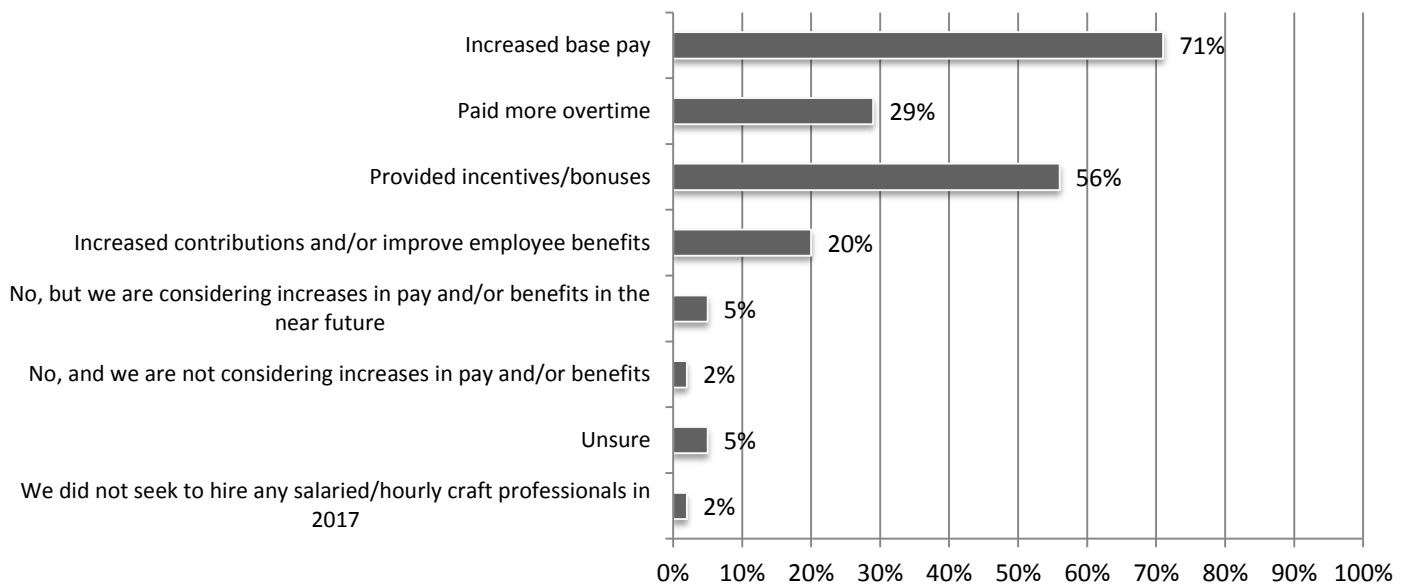
**8. How would you describe your firm's current conditions for filling key salaried positions (project manager/supervisor, estimator, etc.) and hourly craft positions (carpenter, laborer, equipment operator, etc.)? My firm is:**



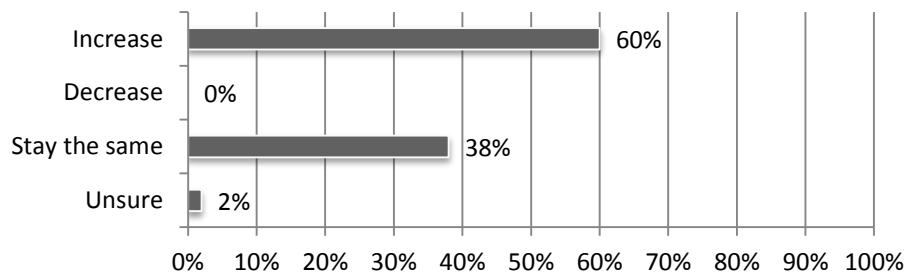
**9. Do you expect any changes in the availability of salaried/hourly craft construction professionals over the coming 12 months? Finding and hiring qualified construction professionals will:**



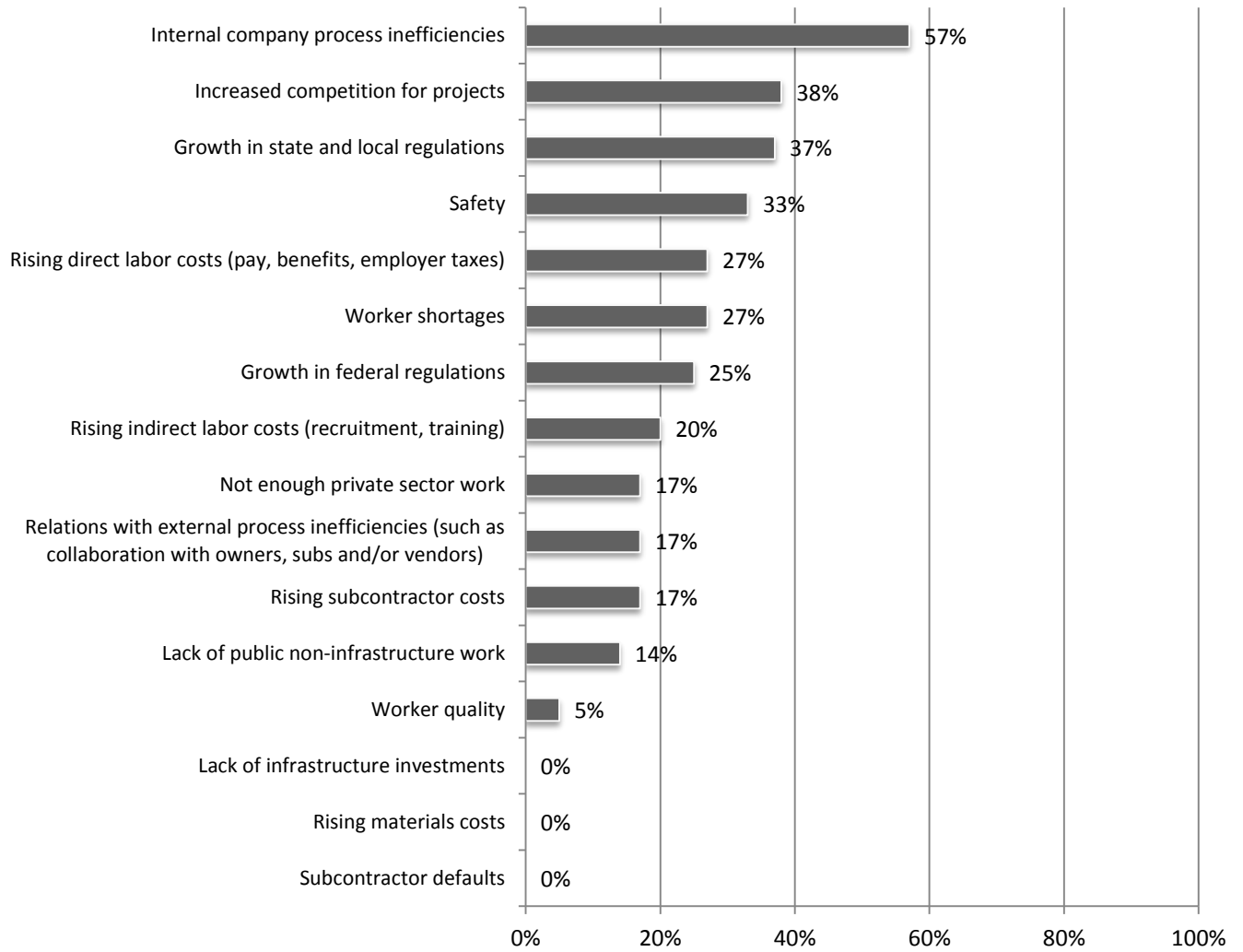
**10. Did your firm increase pay or benefits in 2017 to retain or recruit salaried/hourly craft professionals?**



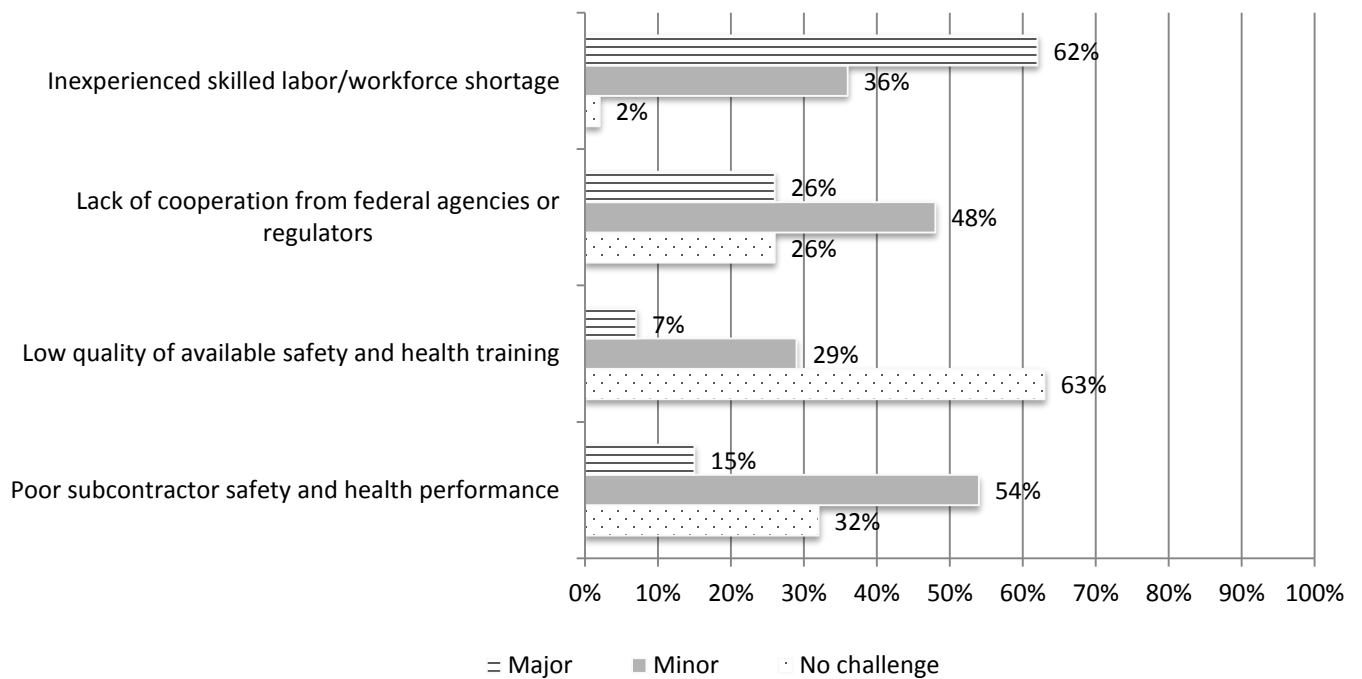
**11. Compared to 2017, how will your firm's 2018 investment in training and development change?**



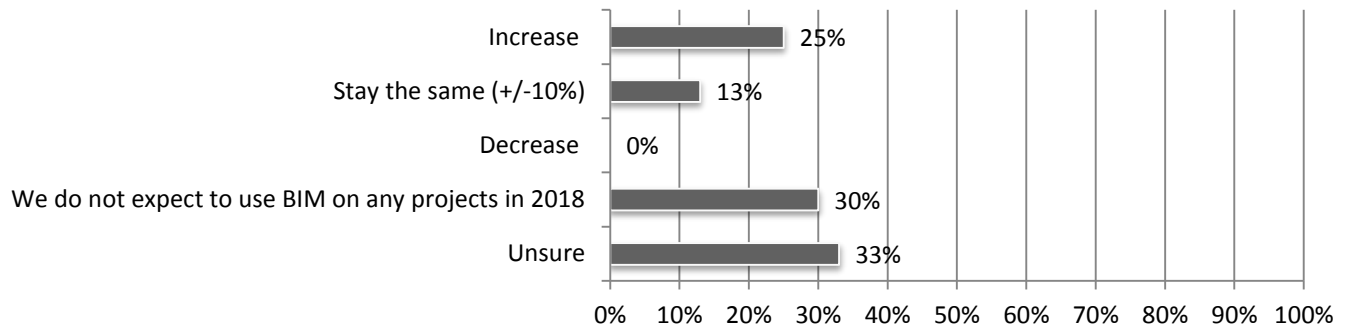
**12. Which of the following issues is the biggest concern to your firm out of the following list?**



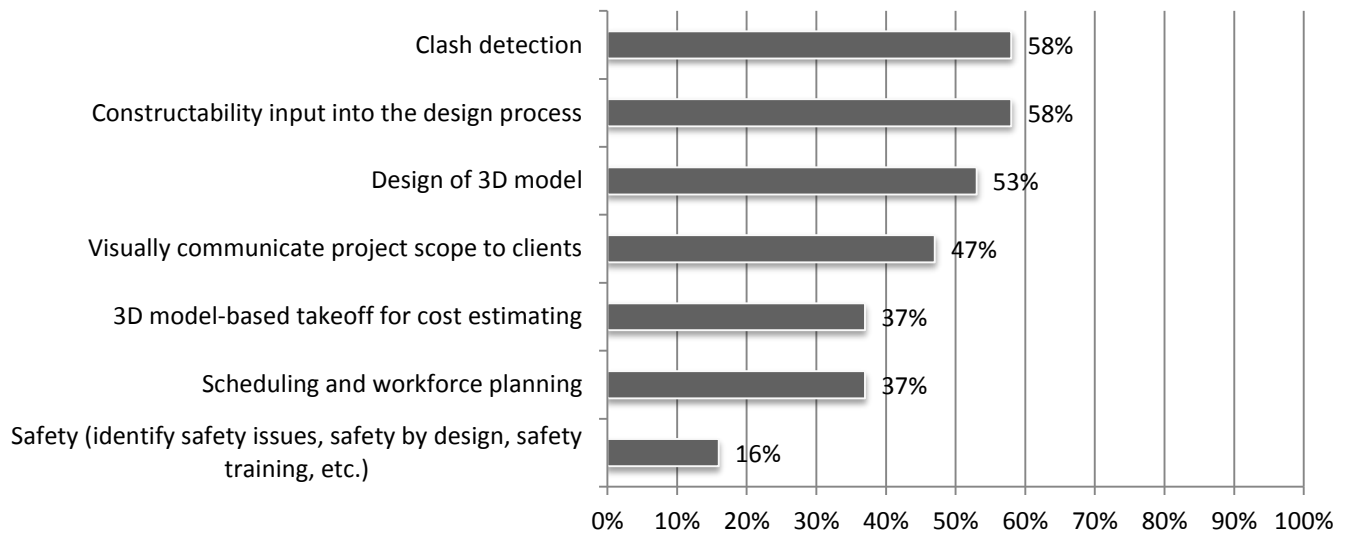
**13. What challenges, if any, do you see regarding the safety and health of your firm's workers?**



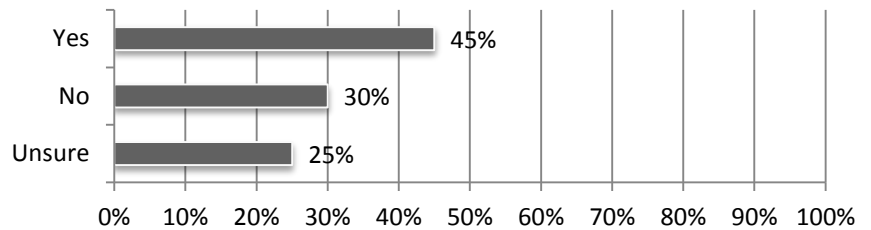
**14. What change do you expect in 2018 in the number of your firm's projects that involve Building Information Modeling (BIM)?**



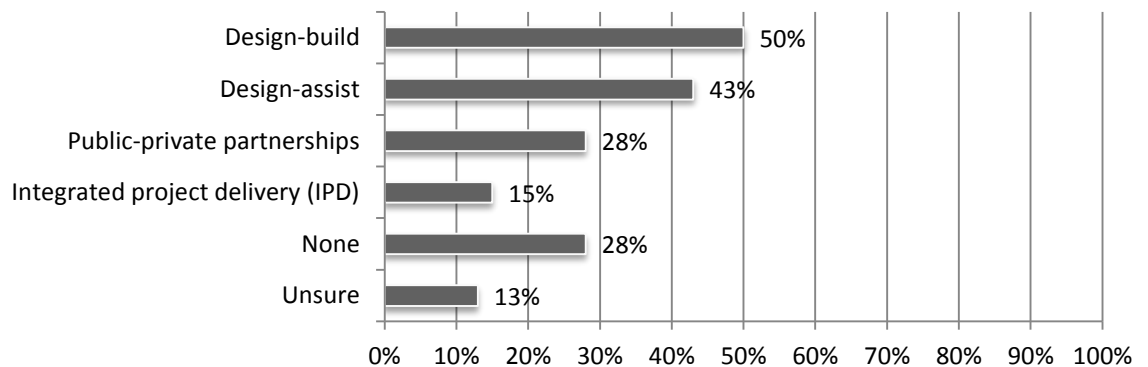
**15. What is your firm using BIM for?**



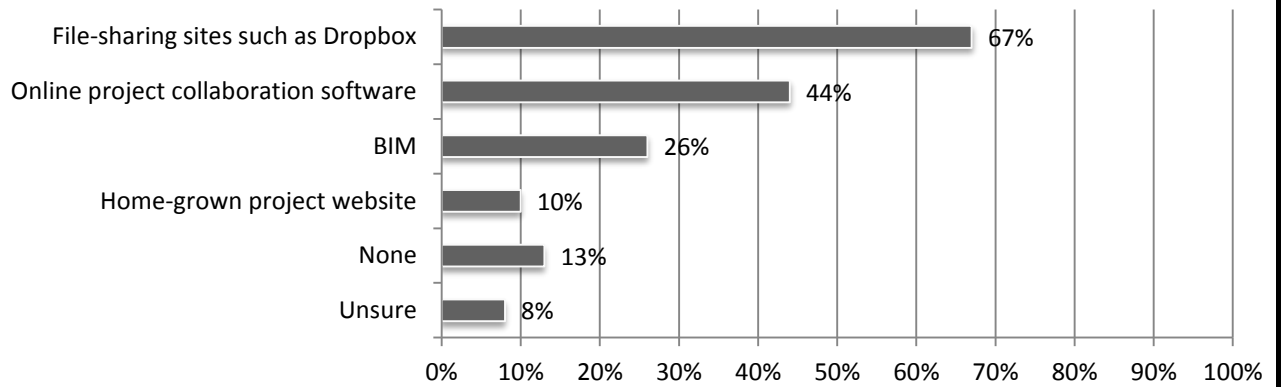
**16. Does your firm utilize lean construction principles on its projects and/or in its operation?**



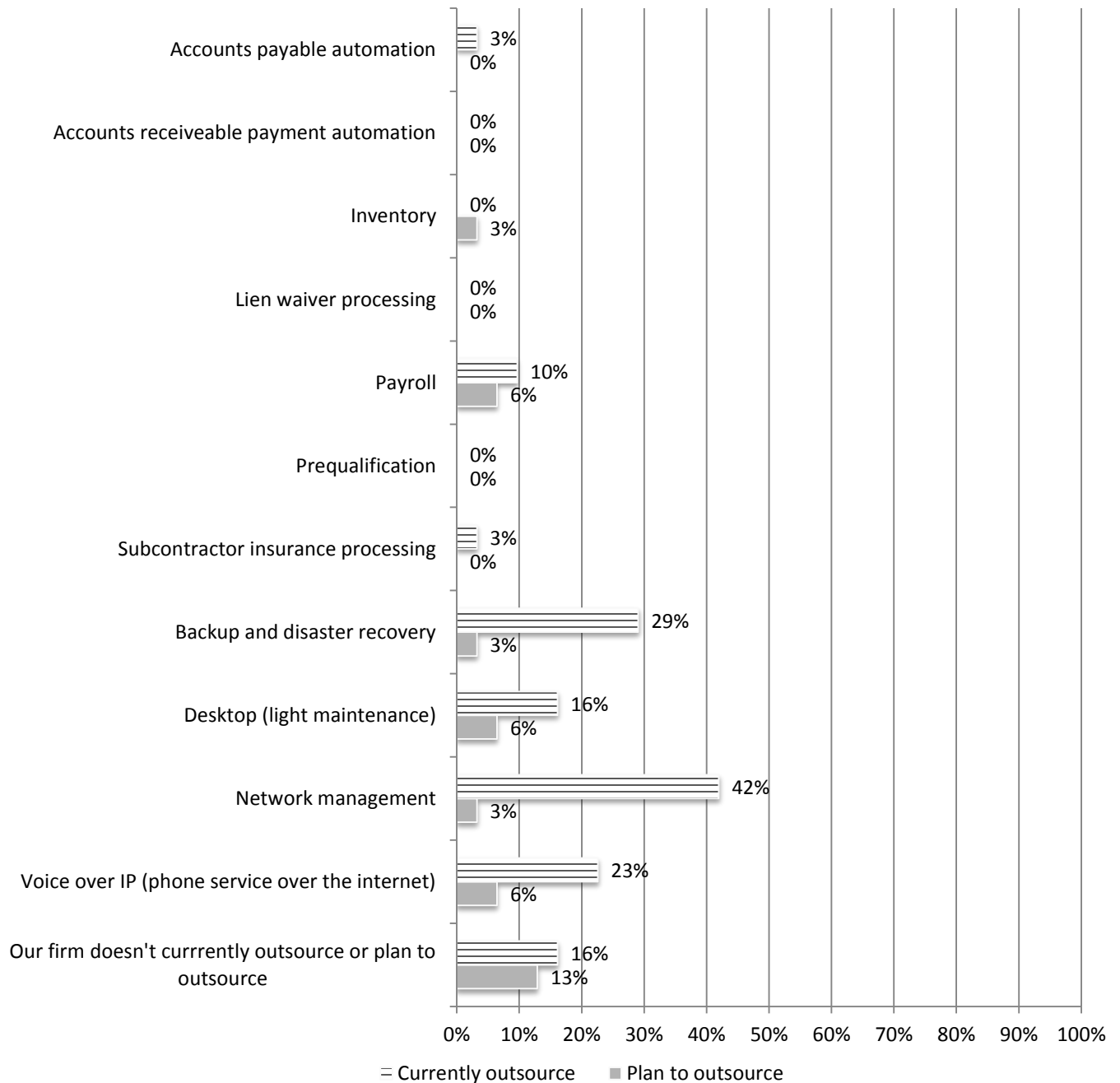
**17. Does your firm use any of the following collaborative project delivery methods?**



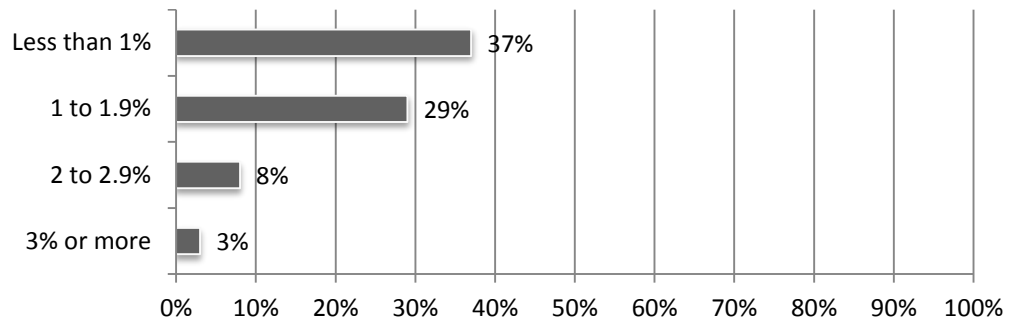
**18. Does your firm use any of the following to collaborate with project partners?**



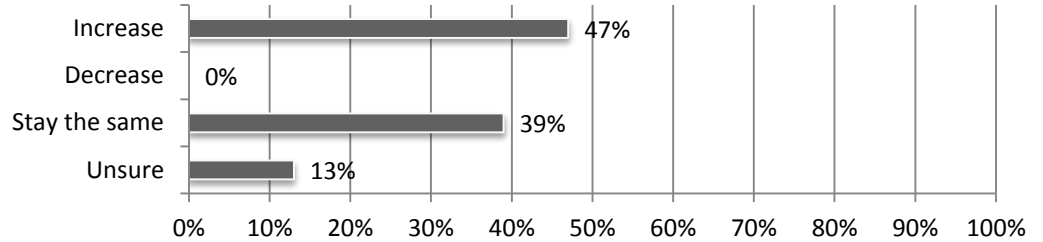
**19. What business of IT functions does your firm outsource or plan to outsource to a technology provider?**



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



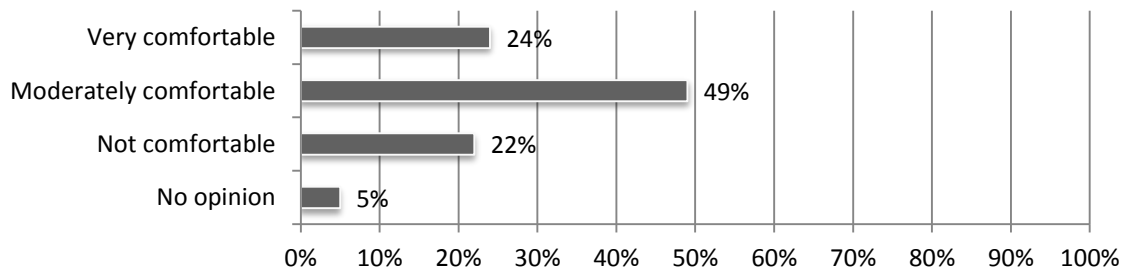
**21. Compared to 2017, how will your firm's 2018 investment in IT change?**



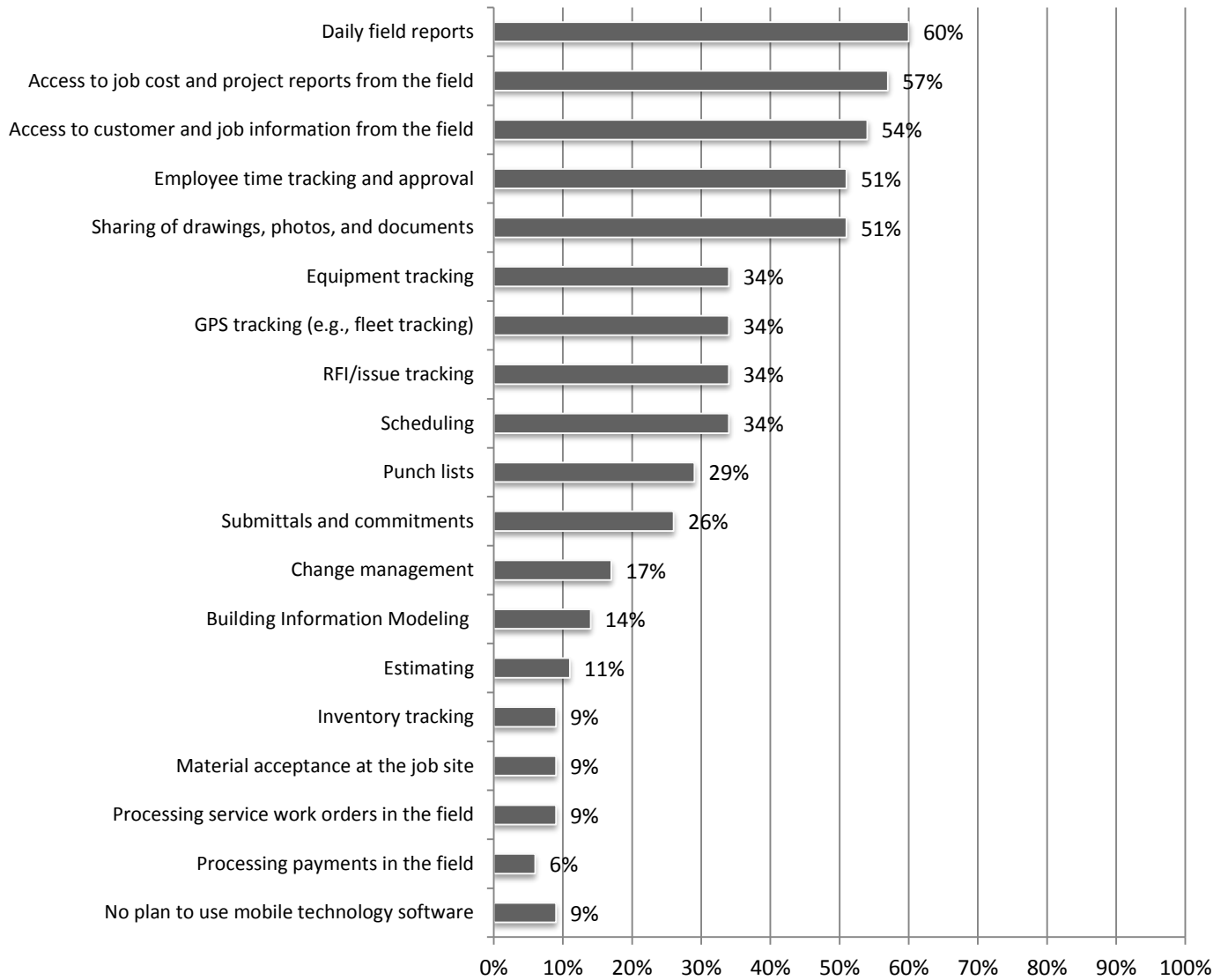
**22. Compared to 2017, how will your firm's 2018 investment in the following technologies change?**

| Technologies                               | Increase | Stay the same | Decrease | Unsure |
|--|----------|---------------|----------|--------|
| Accounting software                        | 24%      | 74%           | 0%       | 3%     |
| Building Information Modeling              | 10%      | 59%           | 0%       | 31%    |
| Client relationship management software    | 29%      | 62%           | 0%       | 9%     |
| Document management software               | 29%      | 60%           | 0%       | 11%    |
| Estimating software                        | 33%      | 61%           | 0%       | 6%     |
| Fleet tracking/management software         | 19%      | 65%           | 0%       | 16%    |
| Human resources software                   | 19%      | 72%           | 0%       | 9%     |
| Payroll software                           | 13%      | 81%           | 0%       | 6%     |
| Prequalification software                  | 8%       | 81%           | 0%       | 12%    |
| Project collaboration software             | 8%       | 70%           | 0%       | 12%    |
| Project management software                | 25%      | 66%           | 0%       | 9%     |
| Scheduling software                        | 22%      | 72%           | 0%       | 6%     |
| Service management software                | 7%       | 76%           | 0%       | 17%    |
| Subcontractor bid management/IT B software | 6%       | 72%           | 0%       | 22%    |

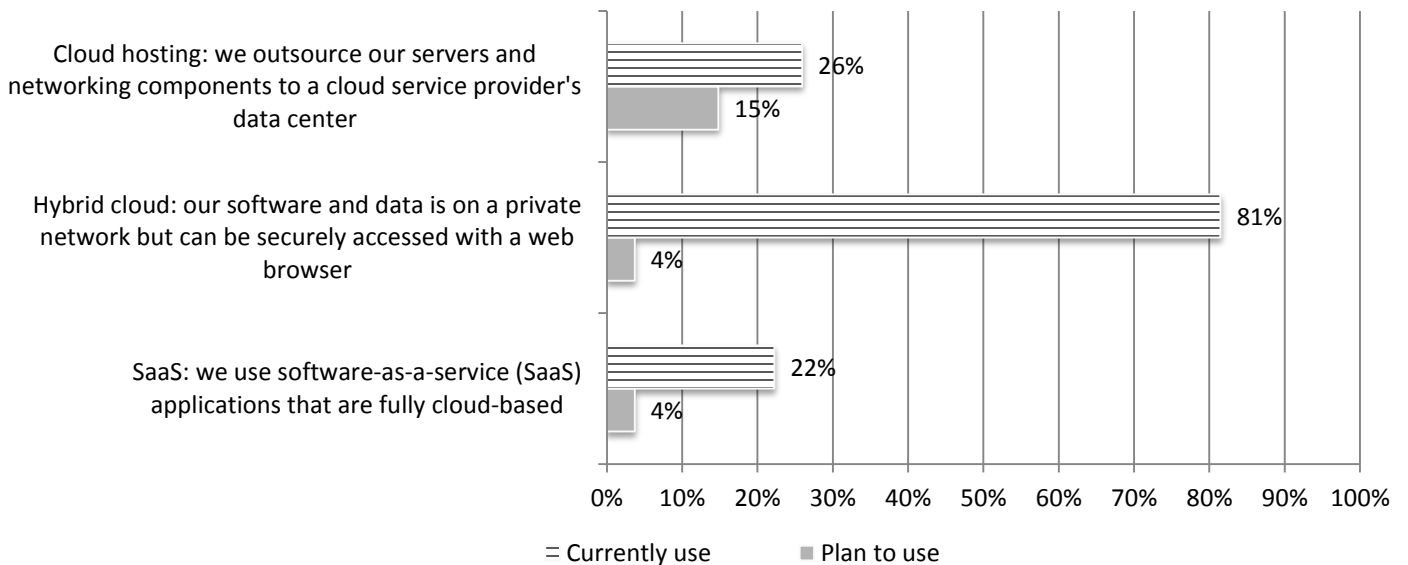
**23. How comfortable is your firm with moving its data to the cloud?**



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

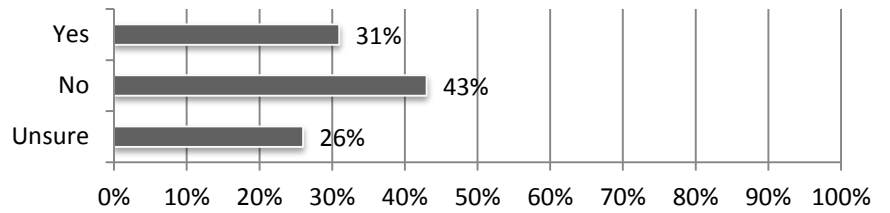


**25. Which of the following cloud service models does your firm plan to use?**

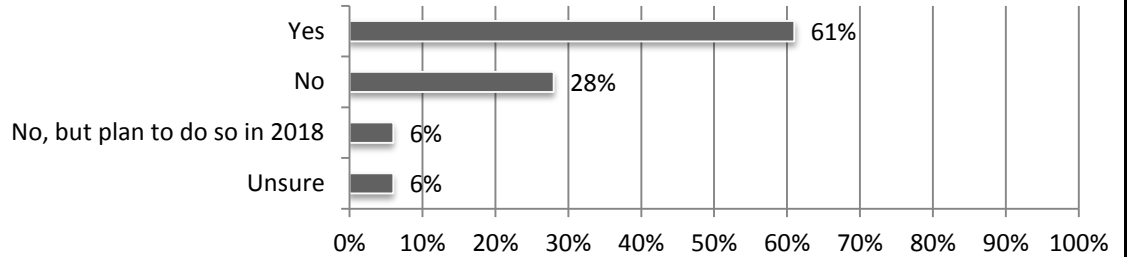




**26. Does your firm currently have a mobile security plan in place?**



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



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

