

2019 Construction Outlook Survey Results Oregon Results

Total Responses: 30. Responses varied for some questions. Percentages are based on responses to each question and may not sum to 100 due to rounding.

1. Compared to 2018, do you expect the available dollar volume of projects you compete for in 2019 to be (answer for all market areas in which your business operates):

K-12 School	64%	7%	29%	57%
Manufacturing	50%	7%	43%	43%
Water/Sewer	33%	0%	67%	33%
Federal (e.g., VA, GSA, USACE, NAVFAC)	39%	11%	50%	28%
Public Building	45%	18%	36%	27%
Power	50%	25%	25%	25%
Higher Education	31%	8%	62%	23%
Transportation (e.g., transit, rail, airport)	50%	30%	20%	20%
Private Office	22%	6%	72%	17%
Multifamily Residential	27%	18%	55%	9%
Highway	45%	36%	18%	9%
Retail, Warehouse, Lodging	20%	13%	67%	7%
Hospital	25%	33%	42%	-8%
Other	0%	0%	100%	0%

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

2. What numerical change do you expect in your headcount in 2019?

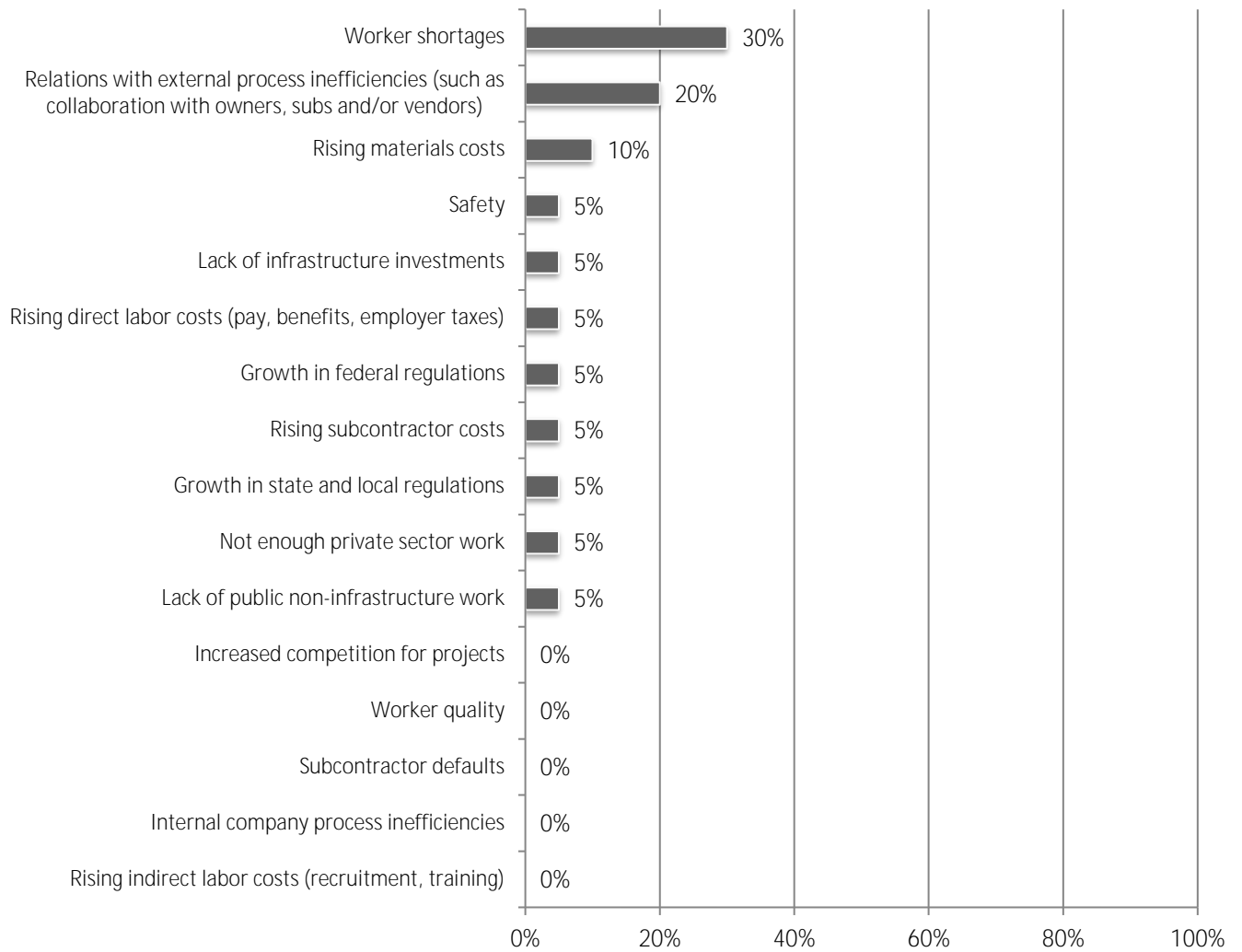
3. What percentage

7. If your firm is experiencing staffing challenges, how would you describe the impact on your projects? (mark all that apply)

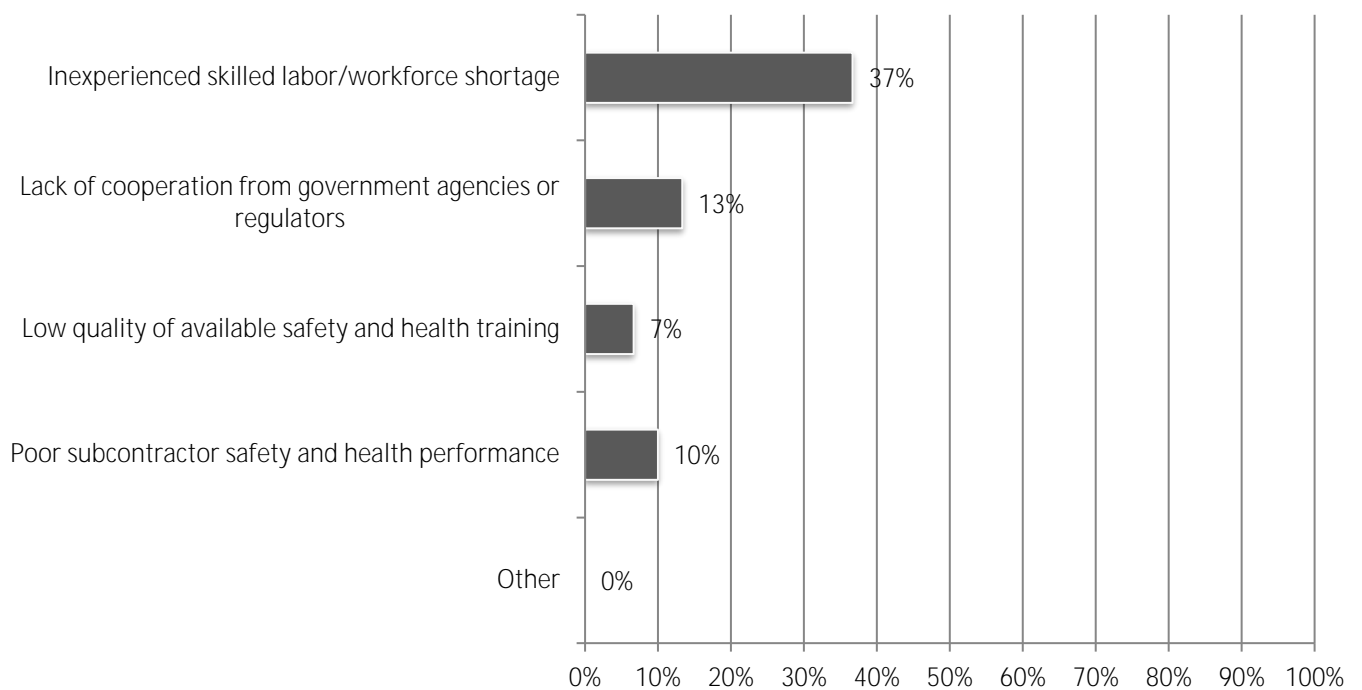
8. Has your firm adopted or increased use of the following to replace workers or skills? (mark all that apply)

9. Compared

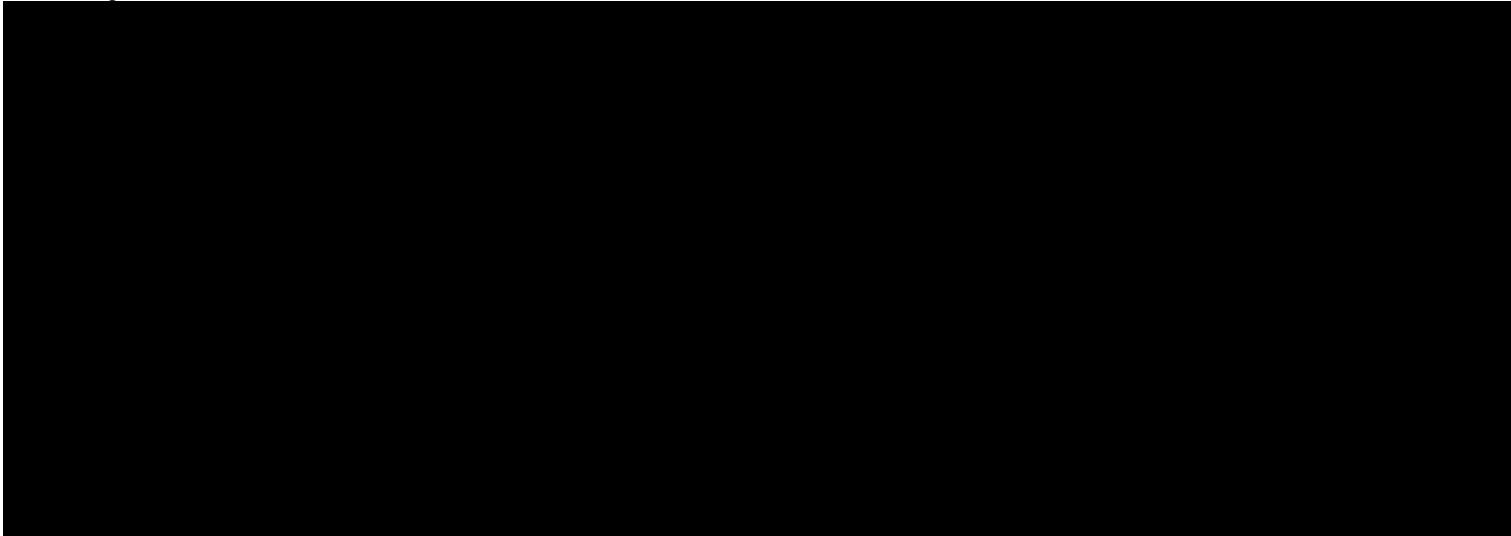
10. Which of the following issues is the biggest concern to your firm?



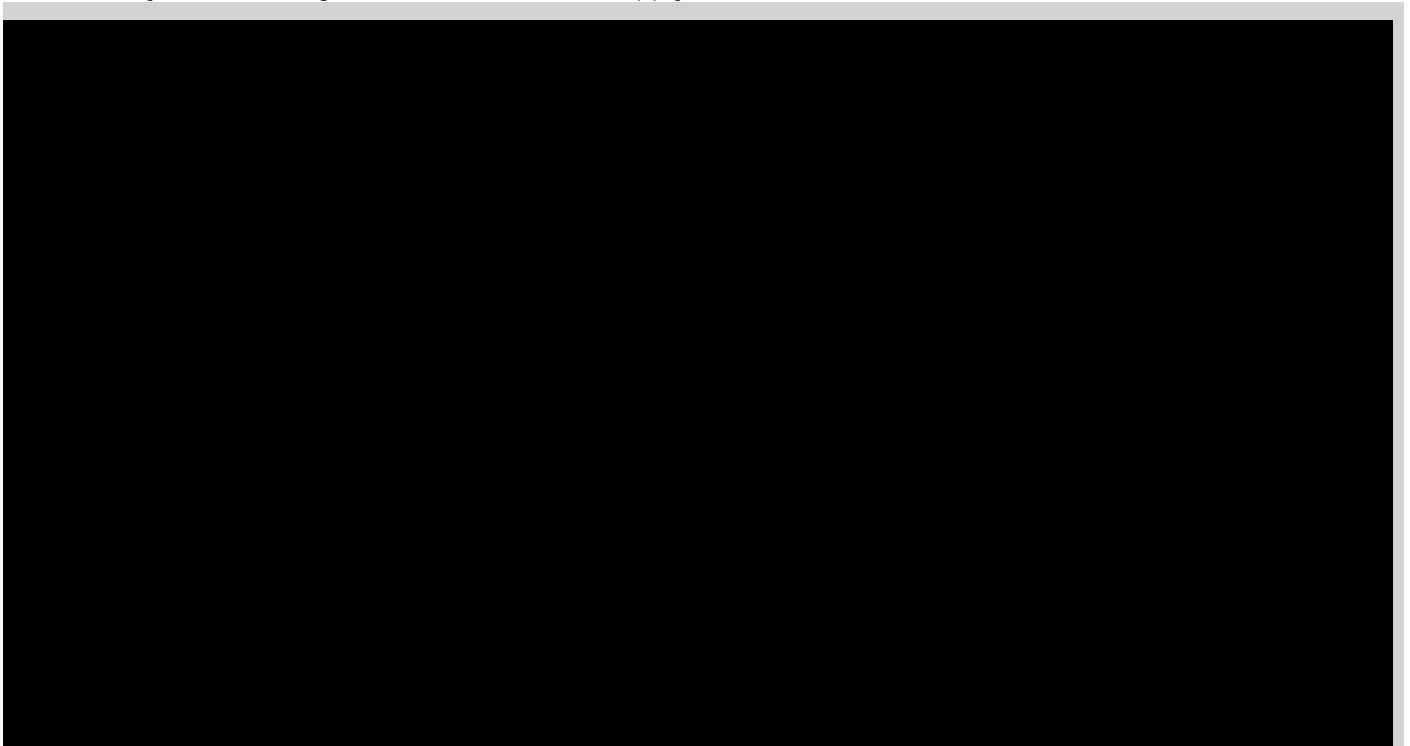
11. What challenges, if any, do you see regarding the safety and health of your firm's workers? (mark all that apply)



12. What change do you expect in 2019 in the number of your firm's projects that involve Building Information Modeling (BIM)?

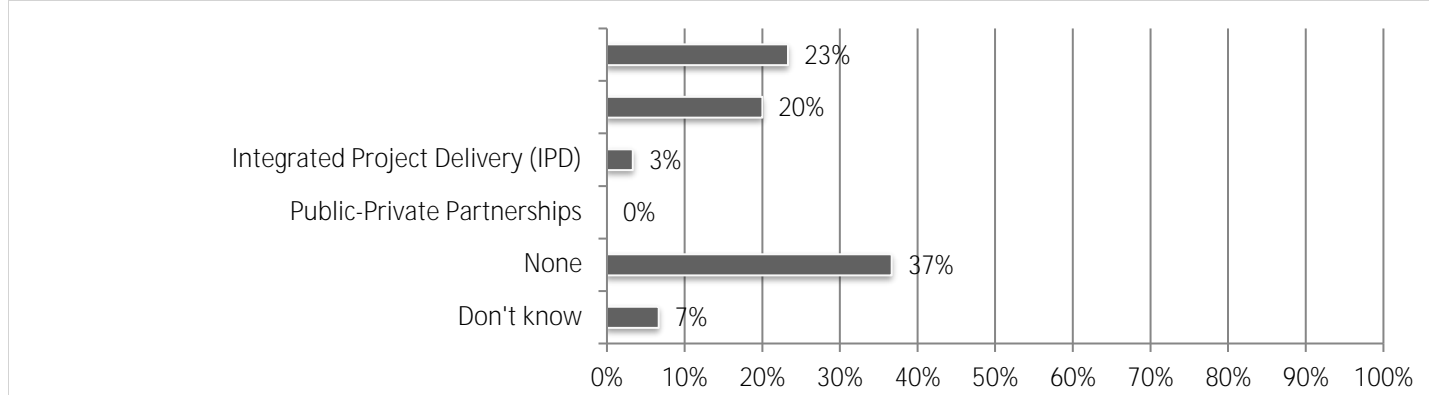


13. What is your firm using BIM for? (mark all that apply)



14. Does your firm utilize lean construction practices to improve project efficiency and reduce risk?

15. Does your firm use any of the following collaborative project delivery methods? (mark all that apply)

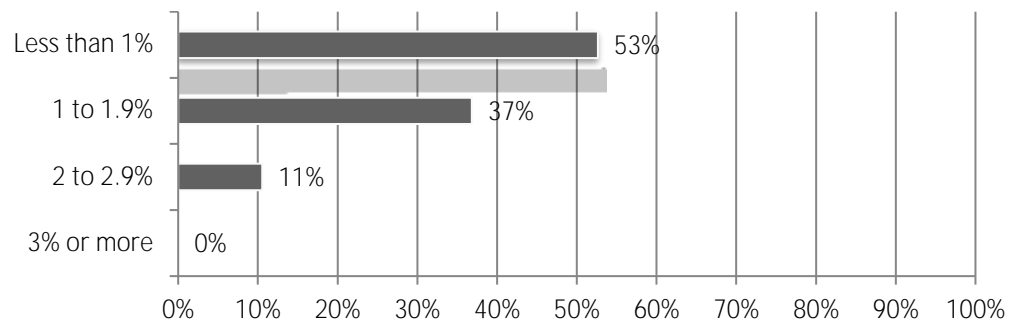


16. Does your firm use any of the following to collaborate with project partners? (mark all that apply)

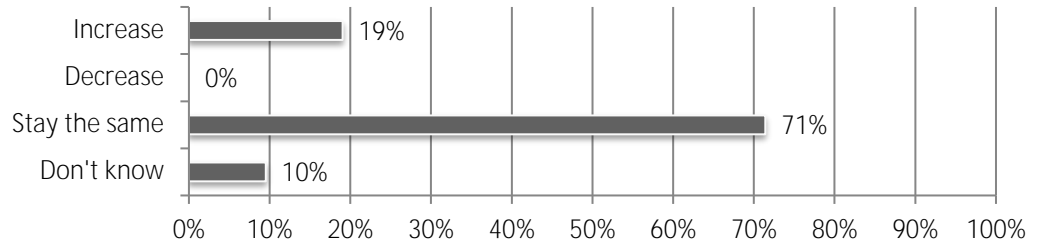
17. What business of IT functions does your firm outsource or plan to outsource to a technology provider? (mark all that apply)

Four thick, black, horizontal brushstroke-like lines, likely representing redacted information or a placeholder for a list of IT functions.

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



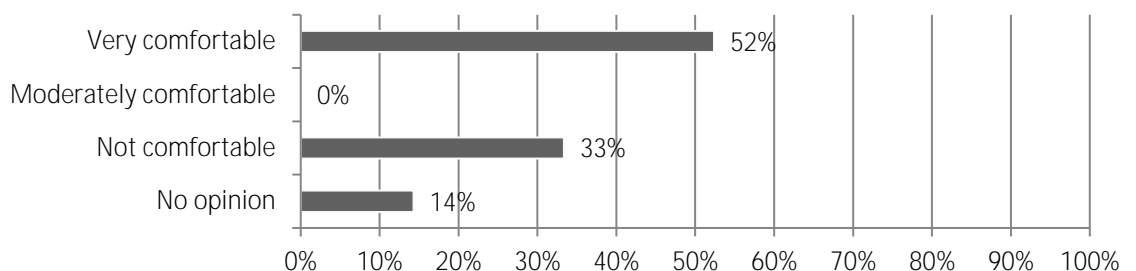
19. Compared to 2018, how will your firm's 2018 investment in IT change?



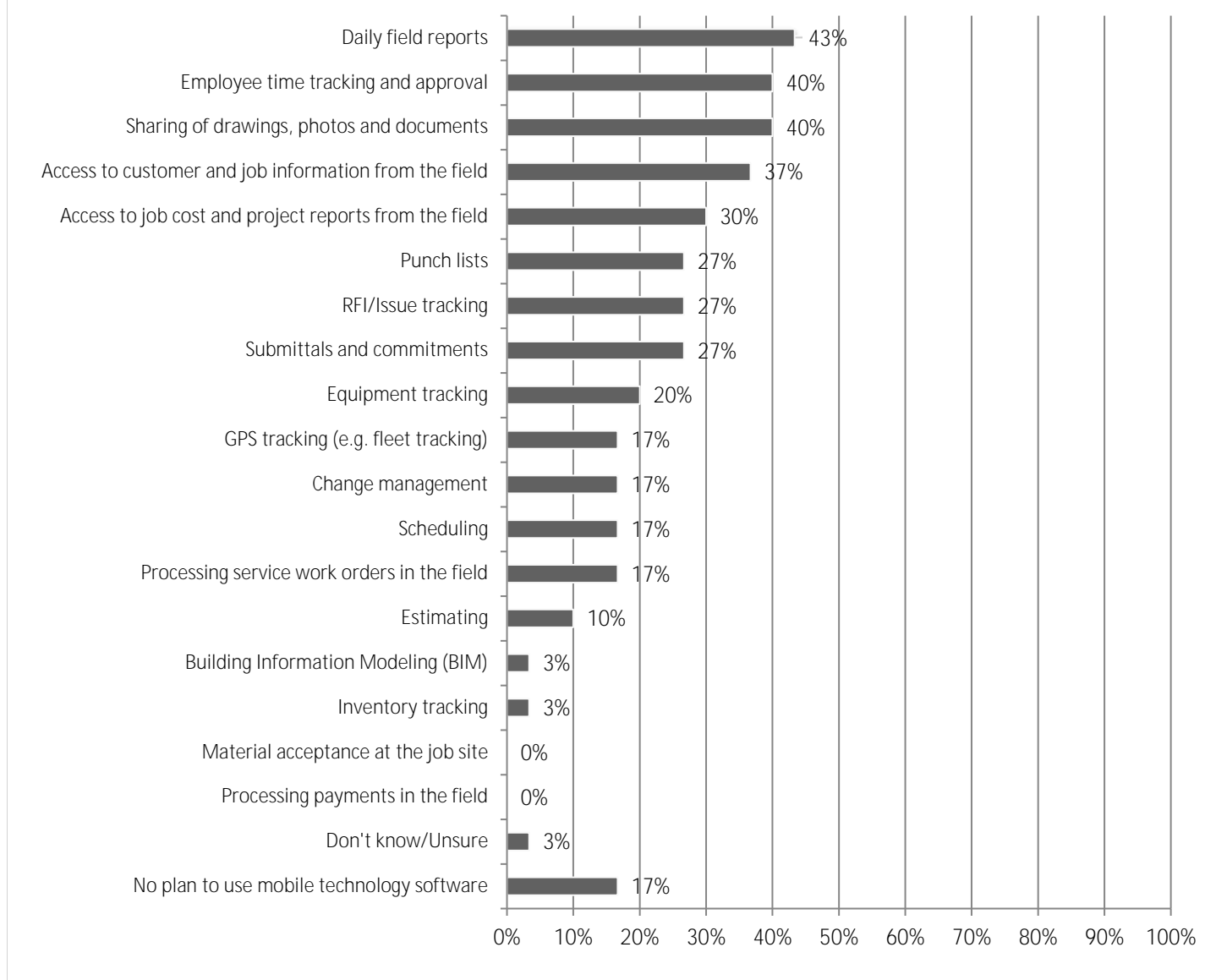
20. Compared to 2018, how will your firm's 2019 investment in the following technologies change? (mark all that apply)

Technology	2019 Investment Change	2018 Investment Change	2017 Investment Change	2016 Investment Change
Project management software	24%	59%	6%	12%
Project collaboration software	21%	43%	0%	36%
Estimating software	18%	53%	6%	24%
Fleet tracking/management software	14%	57%	7%	21%
Client relationship management (CRM) software	13%	47%	7%	33%
Scheduling software	13%	56%	6%	25%
Human resources (HR) software	13%	63%	0%	25%
Accounting software	11%	78%	11%	0%
Service management software	8%	46%	8%	38%
Building Information Modeling (BIM)	7%	43%	0%	50%
Subcontractor bid management/ITB software	7%	57%	0%	36%
Document management software	6%	75%	6%	13%
Payroll software	6%	88%	6%	0%
Prequalification software	0%	58%	0%	42%

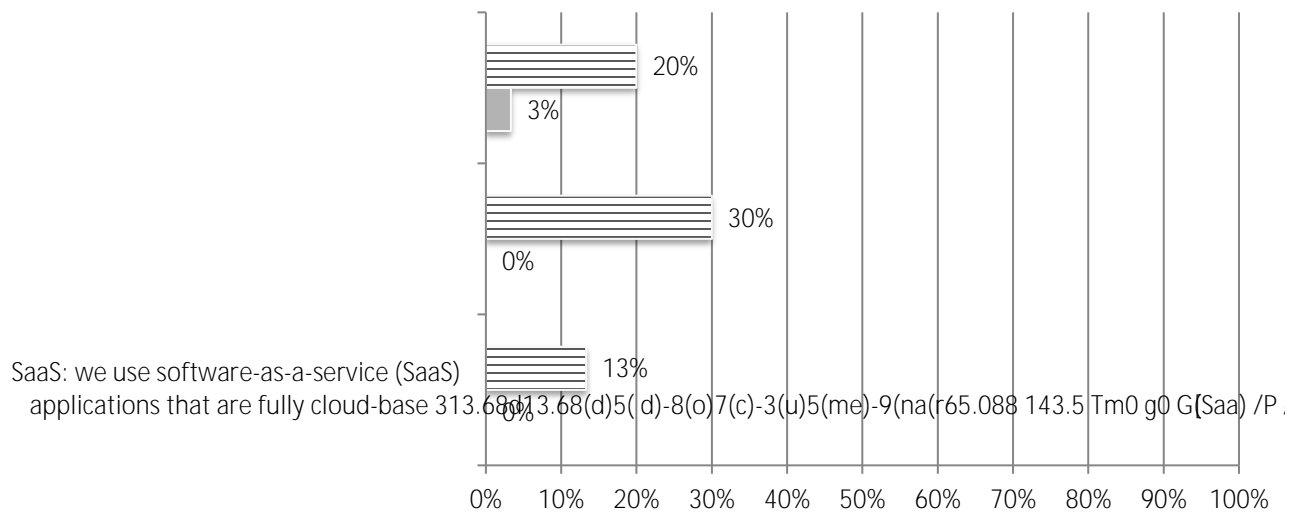
21. How comfortable is your firm with moving its data to the cloud?



22. How does your firm plan to use mobile software technology? (mark all that apply)



23. Which of the following cloud service models does your firm plan to use? (mark all that apply)



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

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

26. What are your firm's biggest IT challenges? (mark all that apply)

27. What best describes your firm:

28. When you self-If