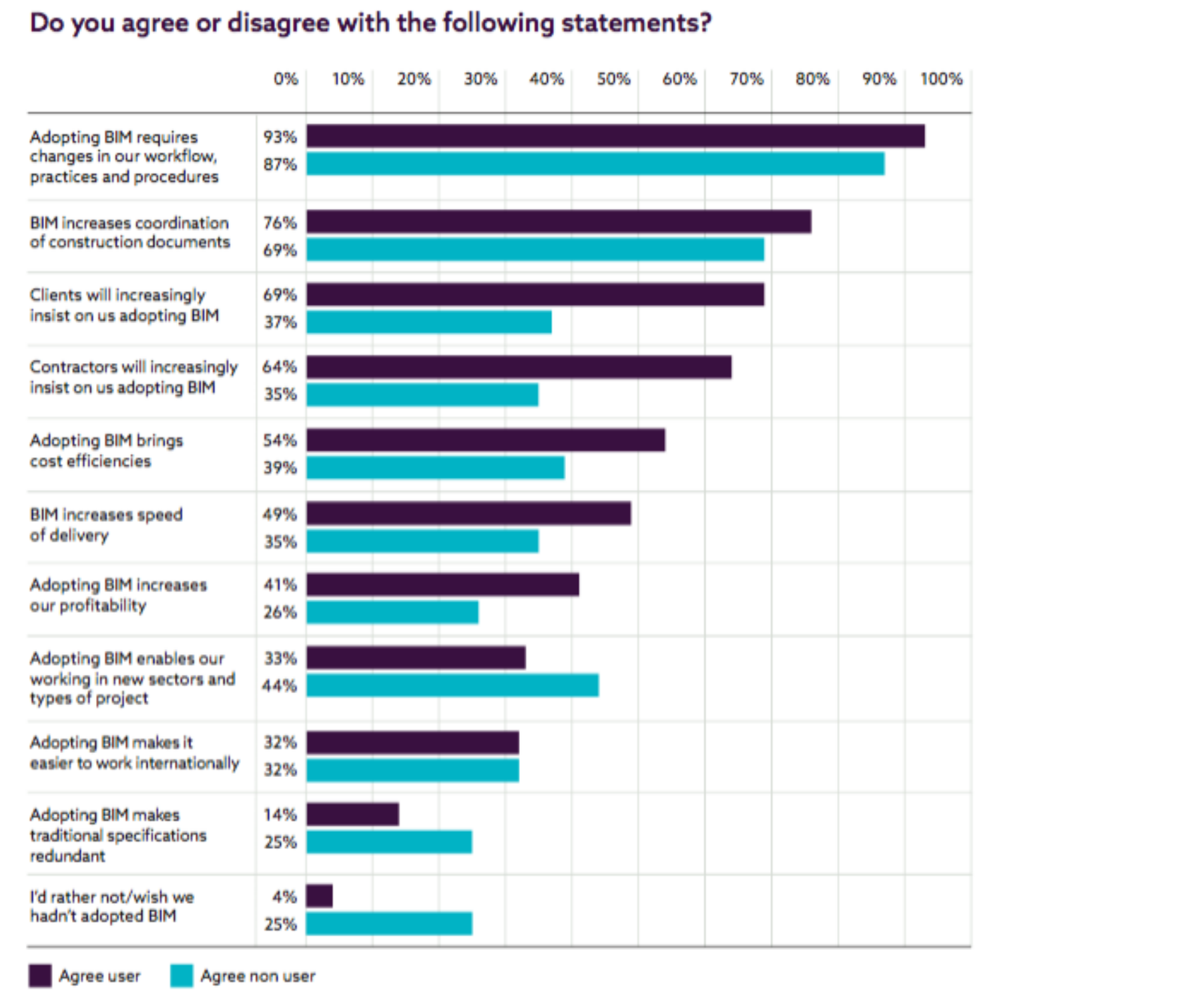
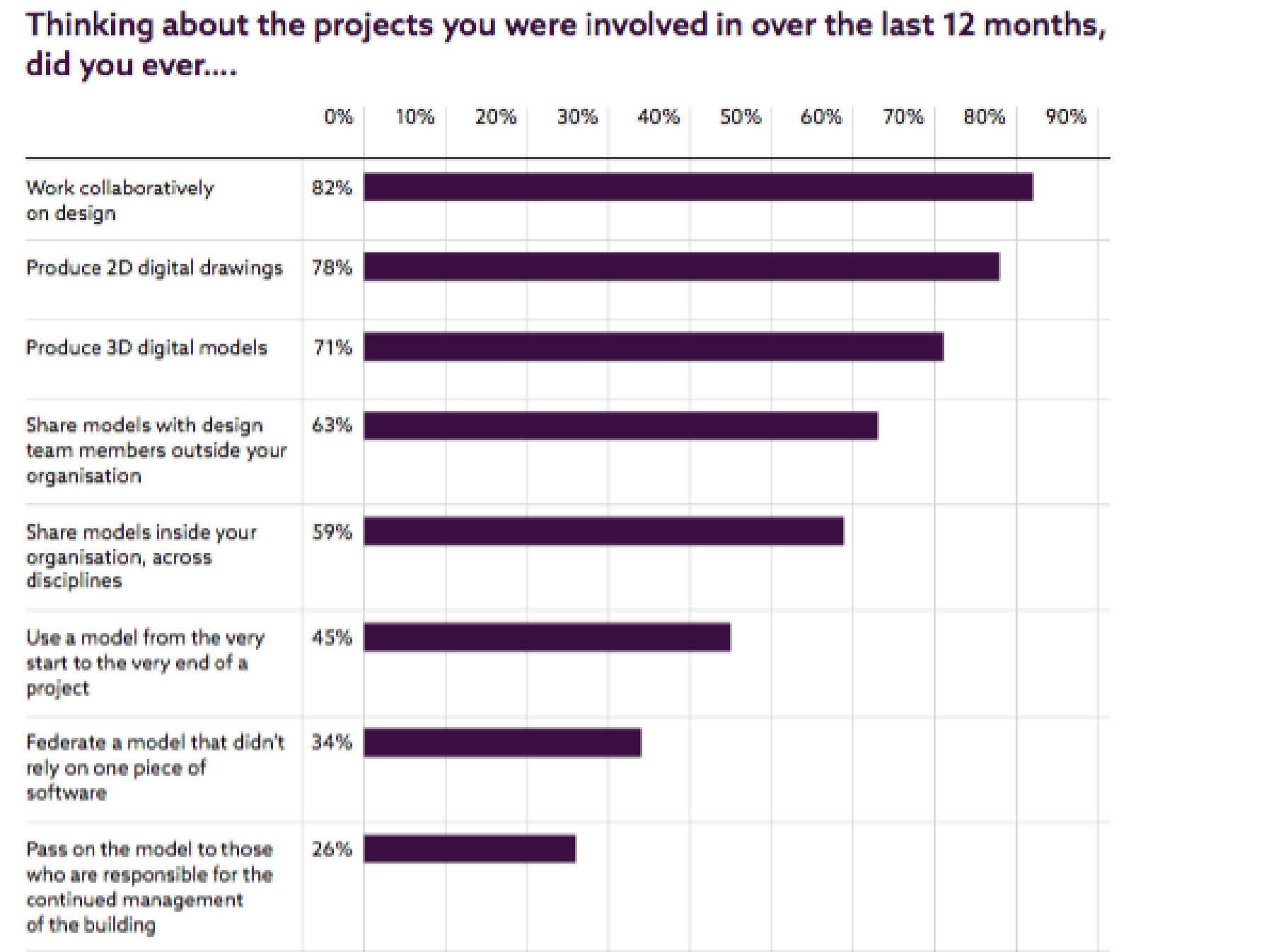
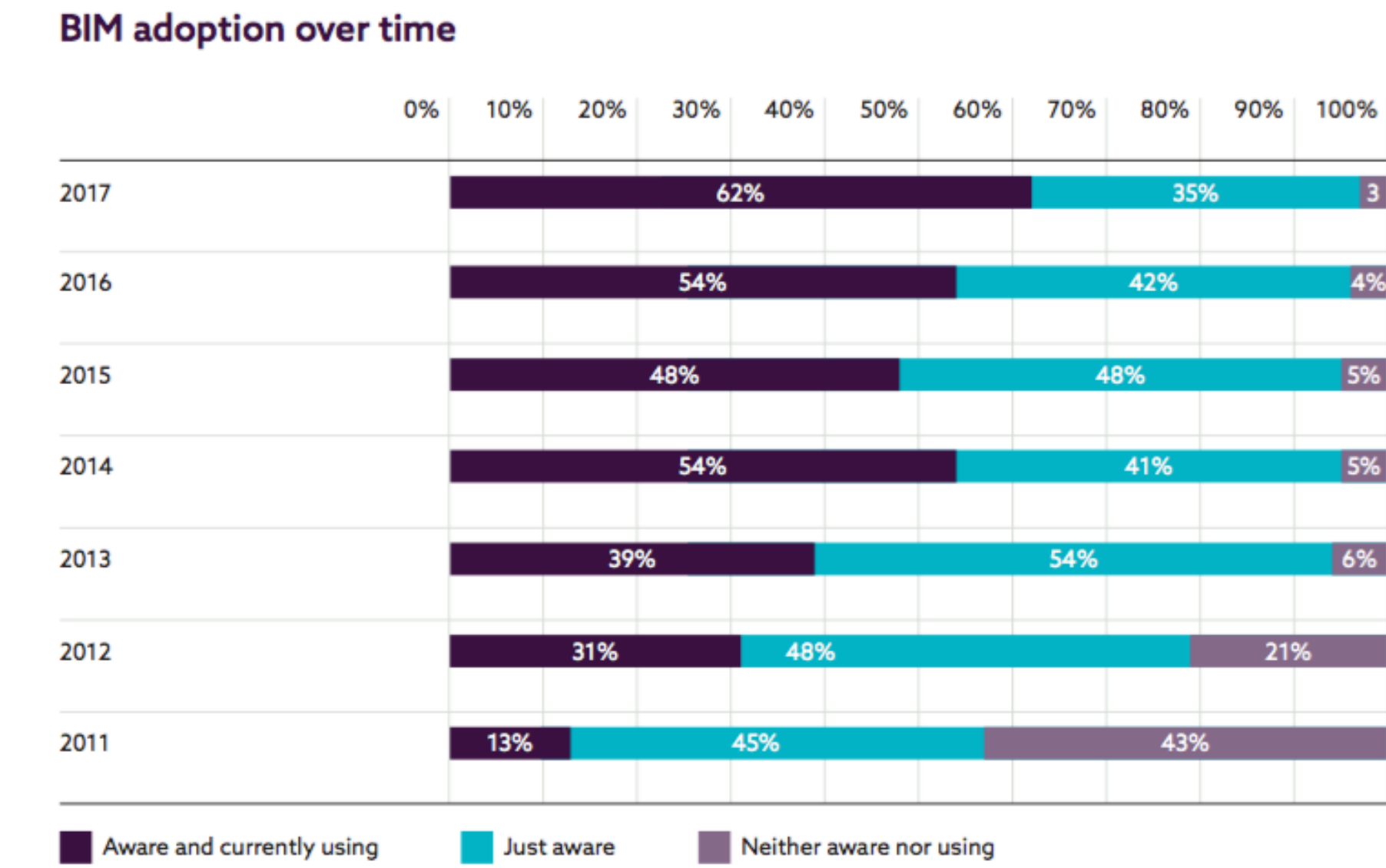


U.K. BIM Implementation

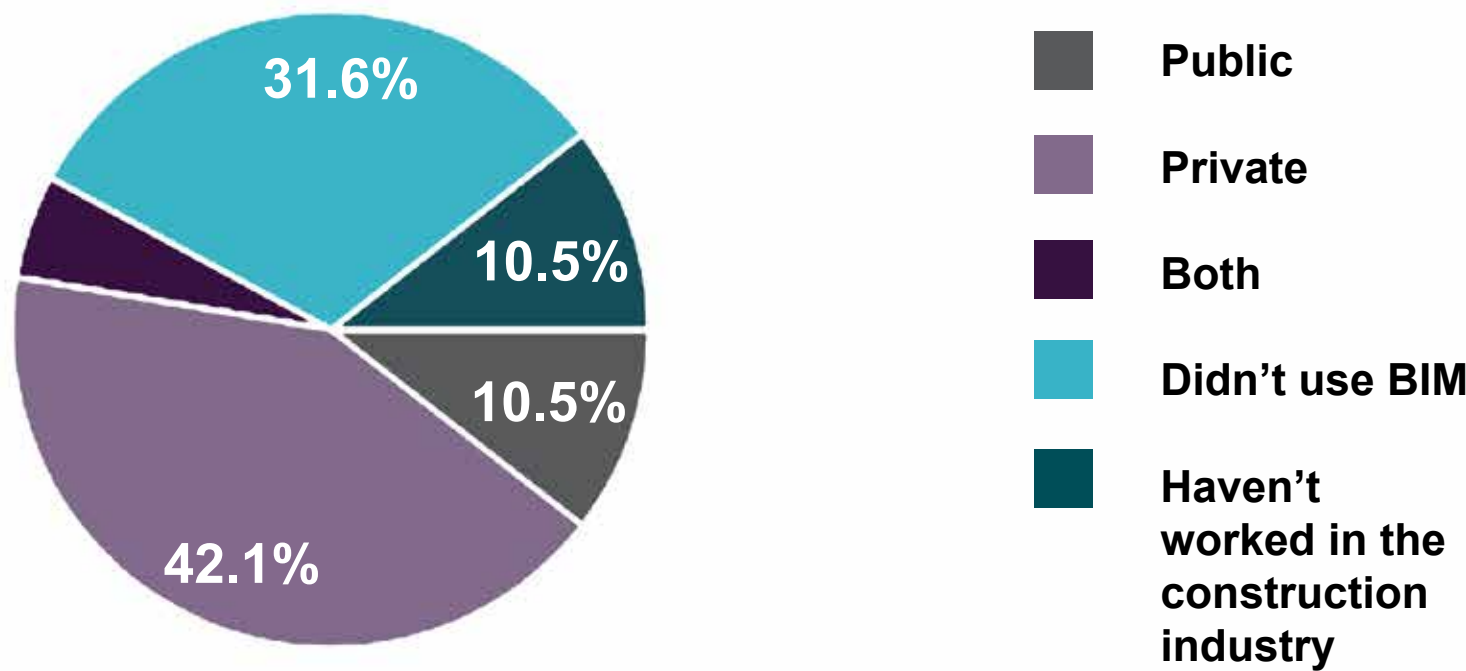


The UK BIM Revolution

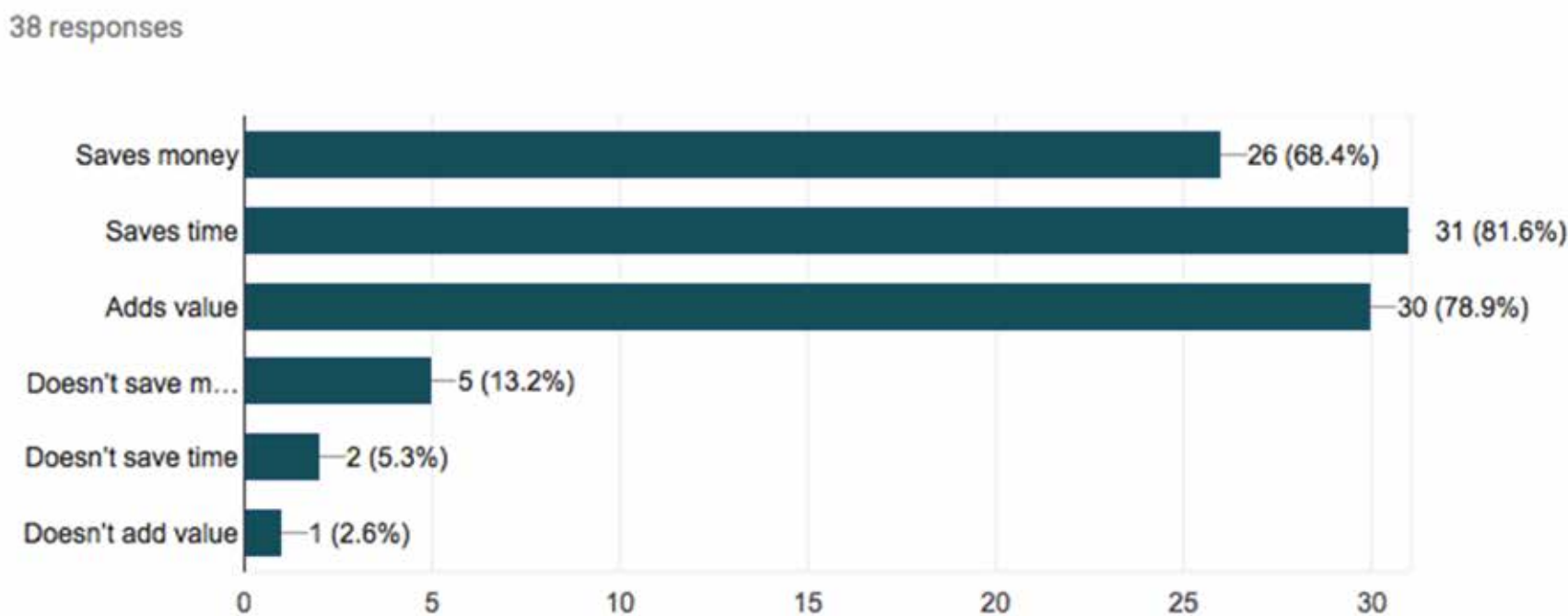
BIM is a relatively new technology many organizations are trying to efficiently implement in their processes, as it can provide cost savings, reduce schedules, improve overall quality, as well as reduce conflicts and issues that arise throughout the construction process. In 2011 the UK government released a plan to mandate the use of BIM and collaborative procurement methods on all publicly funded projects with aims to reduce wastes, costs, and improve industry relations by becoming a more knowledgeable client. This paper highlights the challenges of transitioning from traditional construction workflows to collaborative methods, something essential for the use of BIM, in addition to evaluate the relative success of the UK government in implementing BIM in construction processes and achieving its goals. The use of BIM in California is also evaluated, and a recommendation to the California Dept. of General Services Procurement Division about the UK strategy is provided. Quantitative information was gathered from surveys of Cal Poly CM students and industry workers in the UK, and qualitative information was gained through interviews of project managers and BIM managers of contractors that work in California. Generally, the UK had success implementing its Construction Standard, and California should follow its example.

Student Data

Were the projects you worked on that utilized BIM mainly public or private jobs?

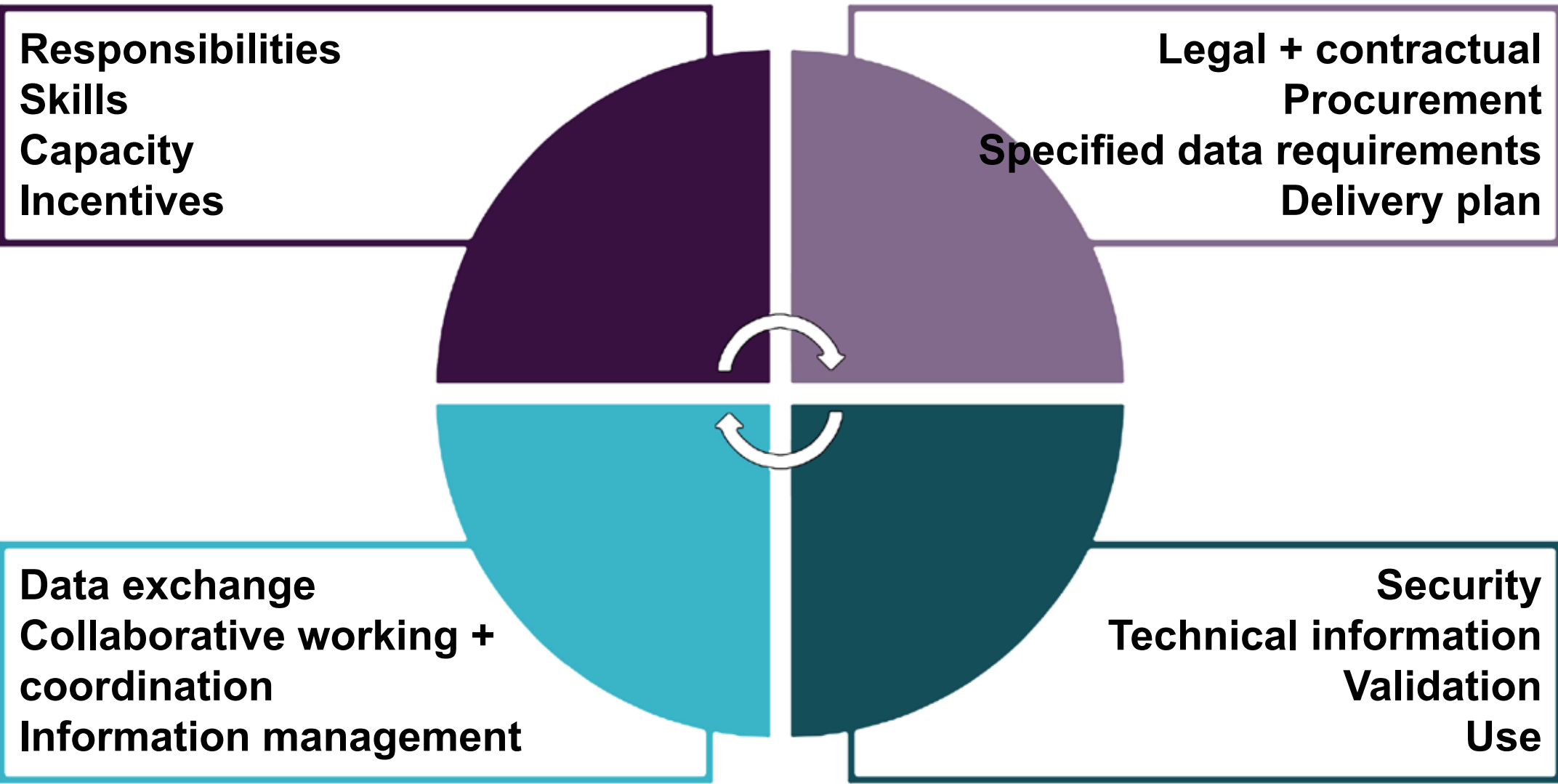
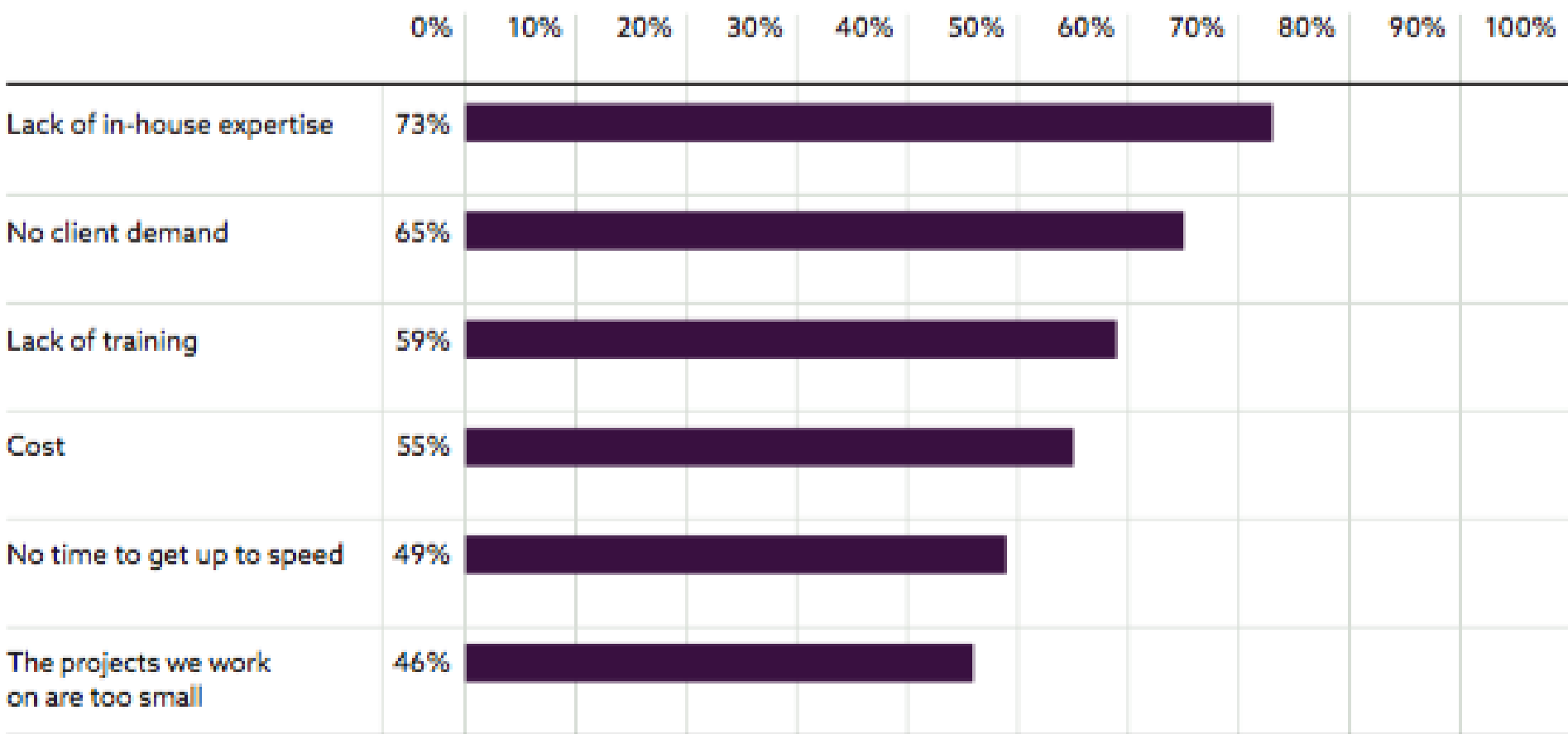


Do you think mandating the use of BIM on projects would save money in the budget, save time on schedules, or add value to projects?



U.K. Government Strategy

What are the main barriers to using BIM?



Strategic Framework for Public Sector BIM Programs

Grow Industry Capacity
-Early wins, pilot projects, training
-Increasing use of strategic lever to grow capacity
-Measure + monitor, case studies, embed change

Communicative Vision + Foster Communities

-Engage industry stakeholders
-Create regional + focus networks
-Events, media, web, social media

Build a Common Collaborative Framework

-Legal + regulatory framework
-Data + process standards
-Skills, tools, guidance

Foundation of Public Leadership

-Competing drivers, visions, + goals
-Aligned value proposition + strategy
-Sponsor, funded program, stewardship team