



Educators' attitudes and experiences of using technology with autistic pupils in special education

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Background

- Children with autism are frequent users of technology (1)
- Technology can support a range of educational and clinical outcomes for pupils with autism, in both mainstream and specialist schools (2,3)
- Parents and professionals have reported concerns about using technology in practice (4)

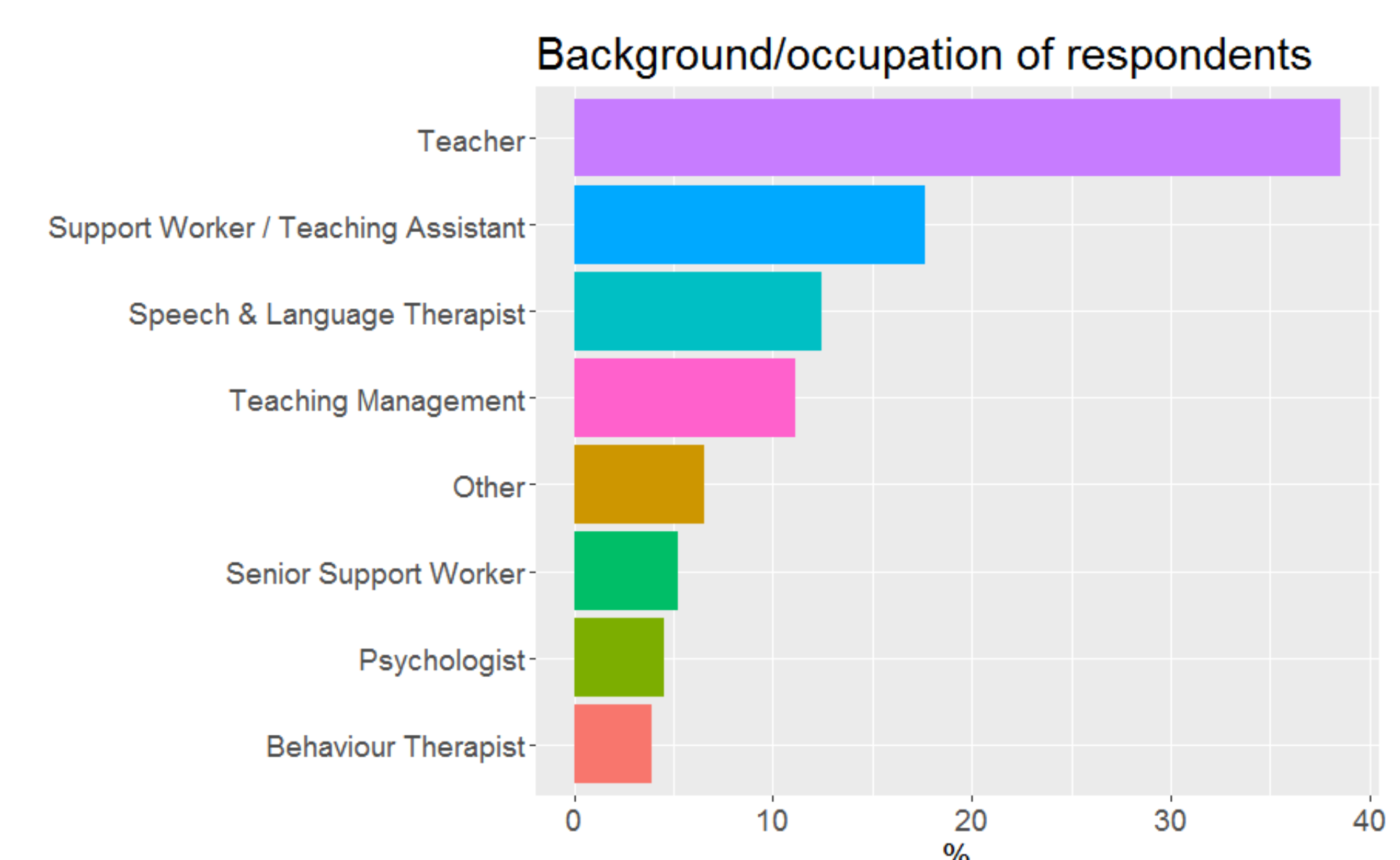


Objective: To explore the experience and attitudes of education professionals working with children with autism and using technology

Methods

An online survey gathered practitioners responses (N = 186) to questions about

- Individual and occupational demographics
- The training/guidance received about technology implementation
- Devices and software used with supported pupils
- The function and impact of technology use in the classroom
- Attitudes to technology use with children in general, and with autistic children

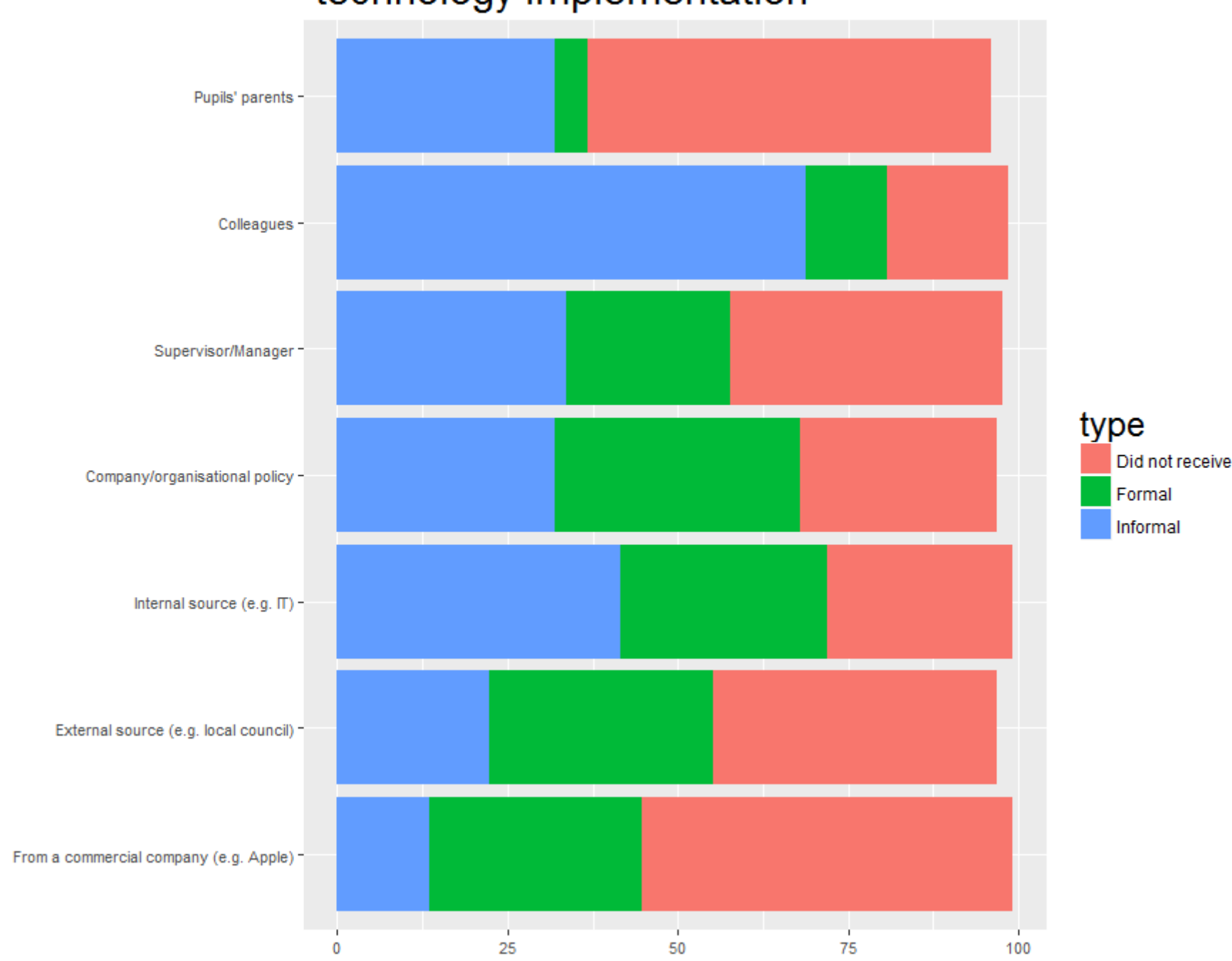


Results

1. Technology-related training

There was relatively little formal training reported. 80% of respondents said they would like **more training**. Over 70% said that the training offered was useful to them.

Sources of training & guidance on technology implementation



2. Impact of technology

85% of respondents reported that technology generally had a **positive impact** in the classroom.

3. Function of technology

The ranking of technology uses was largely **consistent** among respondents

Ranked functions of technology

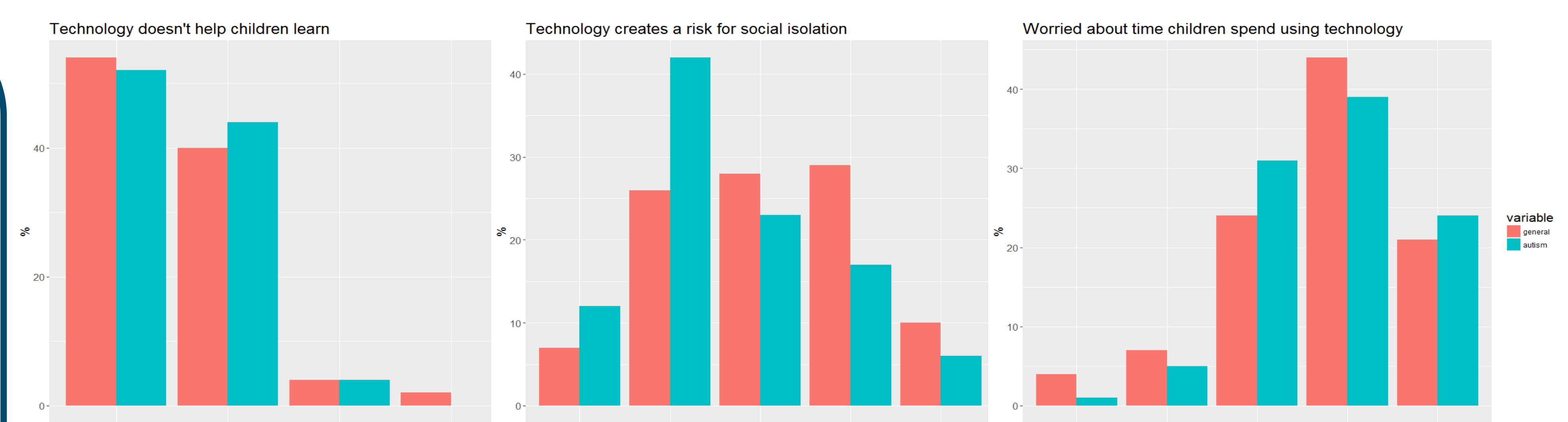
1. Learning about a topic
2. Motivating students
3. Supporting communication
4. Learning a new skill
5. Speech generation device
6. Leisure activities
7. Sensory activities
8. Scaffolding an activity
9. Socialising with other pupils
10. Socialising with staff
11. Socialising with others

4. Attitudes to technology

Attitudes were very **similar** in both a general- and autism-specific context. This might be explained by most respondents having limited experience in non-SEN settings. Attitudes towards technology were not predicted by participant age, current job role, time spent working in similar roles, or pupils' intellectual ability.

Conclusions

Technology is widely used to support autistic students. Whilst there are some concerns, there are also clear reported benefits to using technology. Staff would like more technology-related training in the workplace.



References

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