

Making Work Work for Tourette syndrome: Developing a Strengths-Based Employment Passport

Authors and Affiliations

Ione Georgakis^{1,2,3,4} Edward Palmer¹, Pippa McClounan¹, Emma McNally¹, Samuel Sutcliffe¹, Paul Stevenson¹, and Danni Phoenix-Kane¹
¹ Tourettes Action ² Royal College of Occupational Therapists RCOT ³ Constance Owens Trust Liverpool ⁴ Livewell Southwest NHS Trust

INTRODUCTION

Adults with Tourette syndrome (TS) frequently experience barriers to obtaining and sustaining employment despite bringing valuable strengths to the workplace. Current research indicates lower employment rates, experiences of stigma, co-occurring conditions and misunderstanding of tics are key barriers. To inform the development of a practical workplace support resource, Tourettes Action’s (TA) Therapies and Advocacy service conducted a survey exploring employment experiences, strengths, challenges and effective adjustment needs among adults with TS.

METHODOLOGY

A mixed methods online survey was distributed through TA networks to adults with TS or related tic conditions. The survey explored employment status, workplace strengths, tic-related challenges, sensory and executive functioning factors, physical impacts including pain and fatigue, compulsions, and workplace adjustments. Quantitative descriptive statistics and qualitative responses were analysed to identify themes relevant to workplace support and the development of a Tourette’s Employment Passport (TEP).

DEMOGRAPHICS

A total of 152 responses were received from across the UK. Most participants were employed full-time (48.7%) or part-time (25.7%). 133 respondents had a primary diagnosis of Tourette syndrome, 34 had functional tic like behaviours (FTLBs) and 23 had a chronic motor or vocal tic disorder. Participants worked across a variety of settings and services including home and office working, health and education roles, retail, hospitality, digital, active-outdoor and laboratory settings.

RESULTS

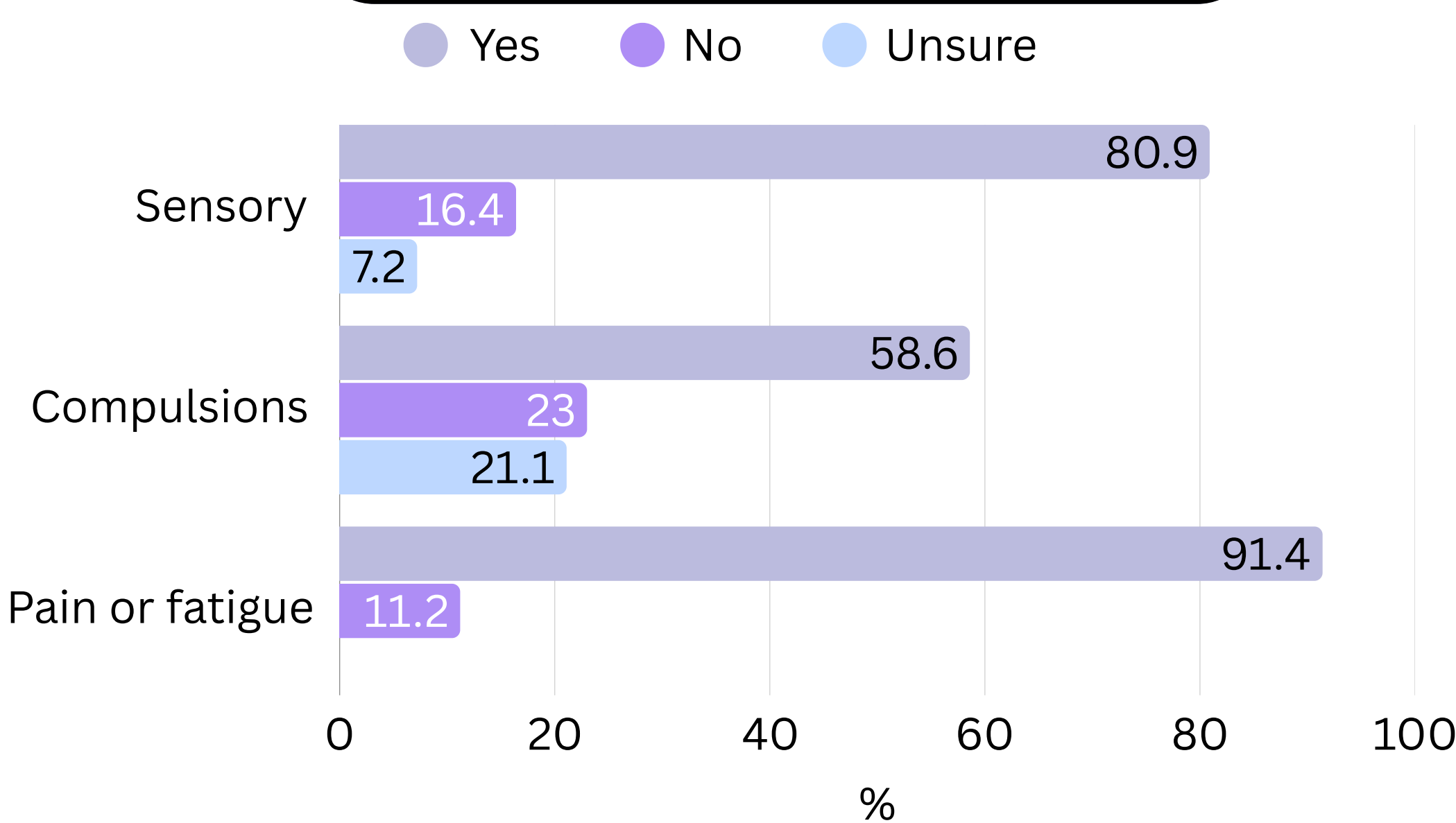
Mean tic impact at work rating

6.3 / 10

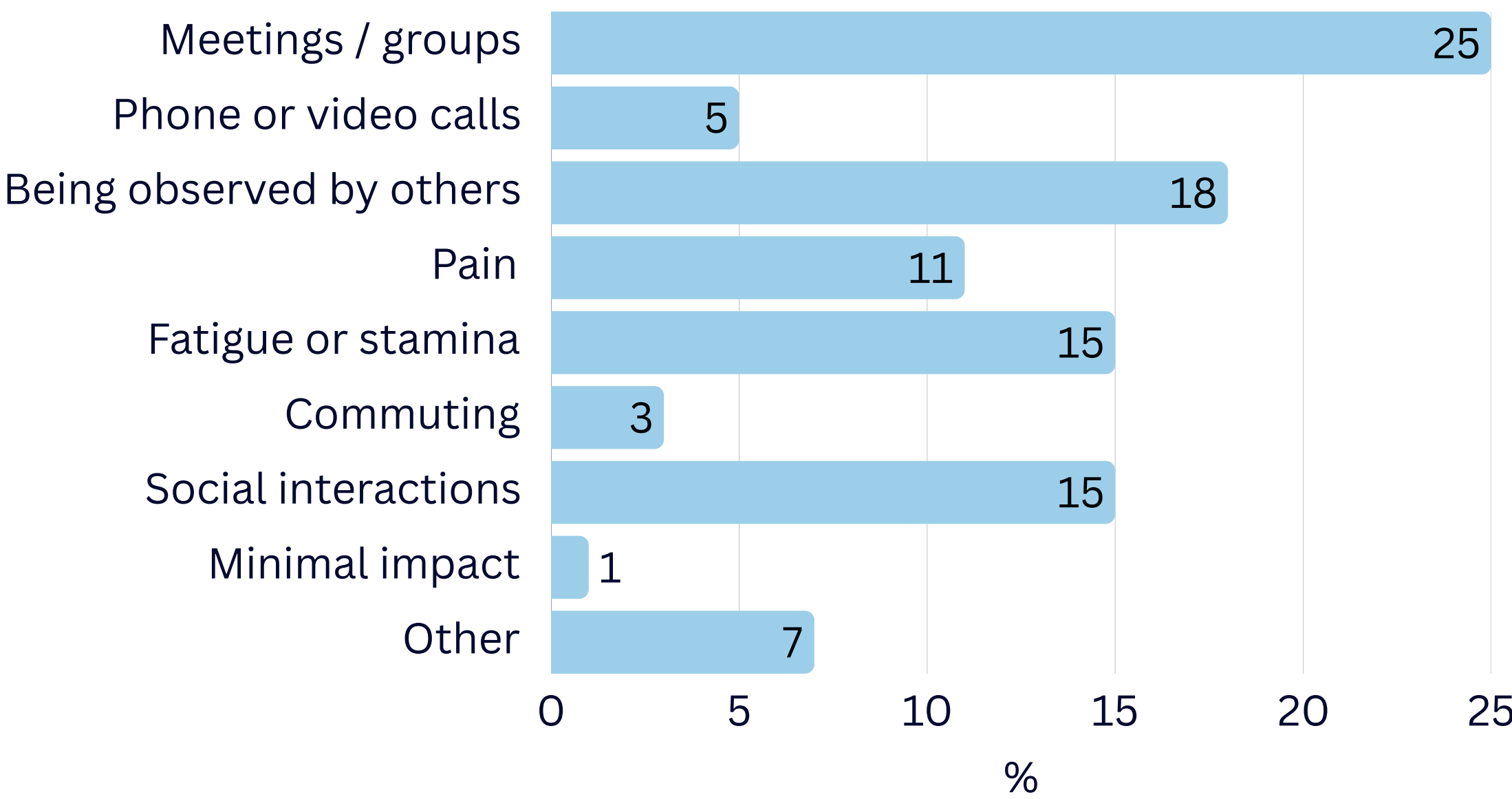
Mean self-reported psychological safety when ticing at work rating

5.29/10

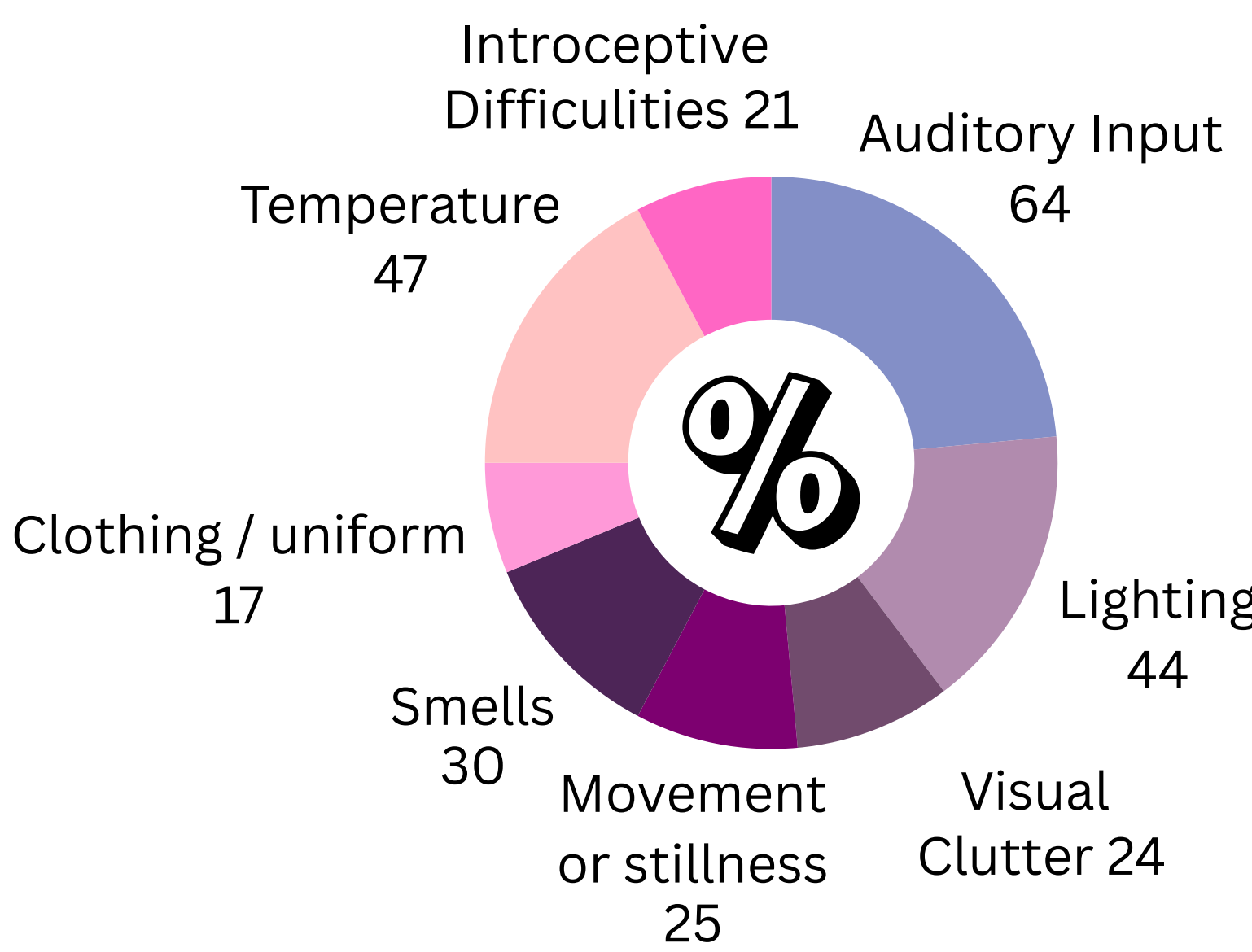
Factors which impact work



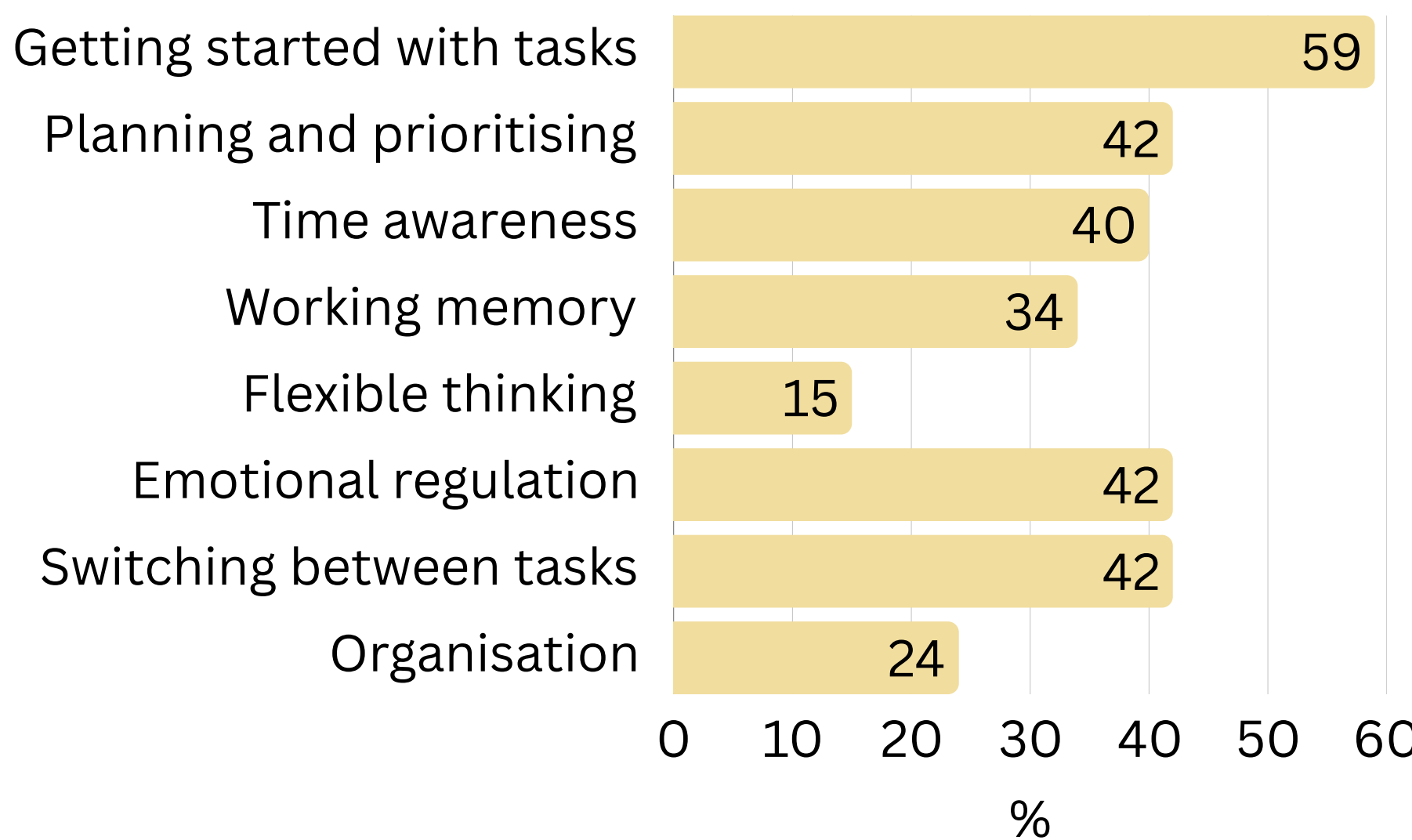
Workplace experiences which impact tics



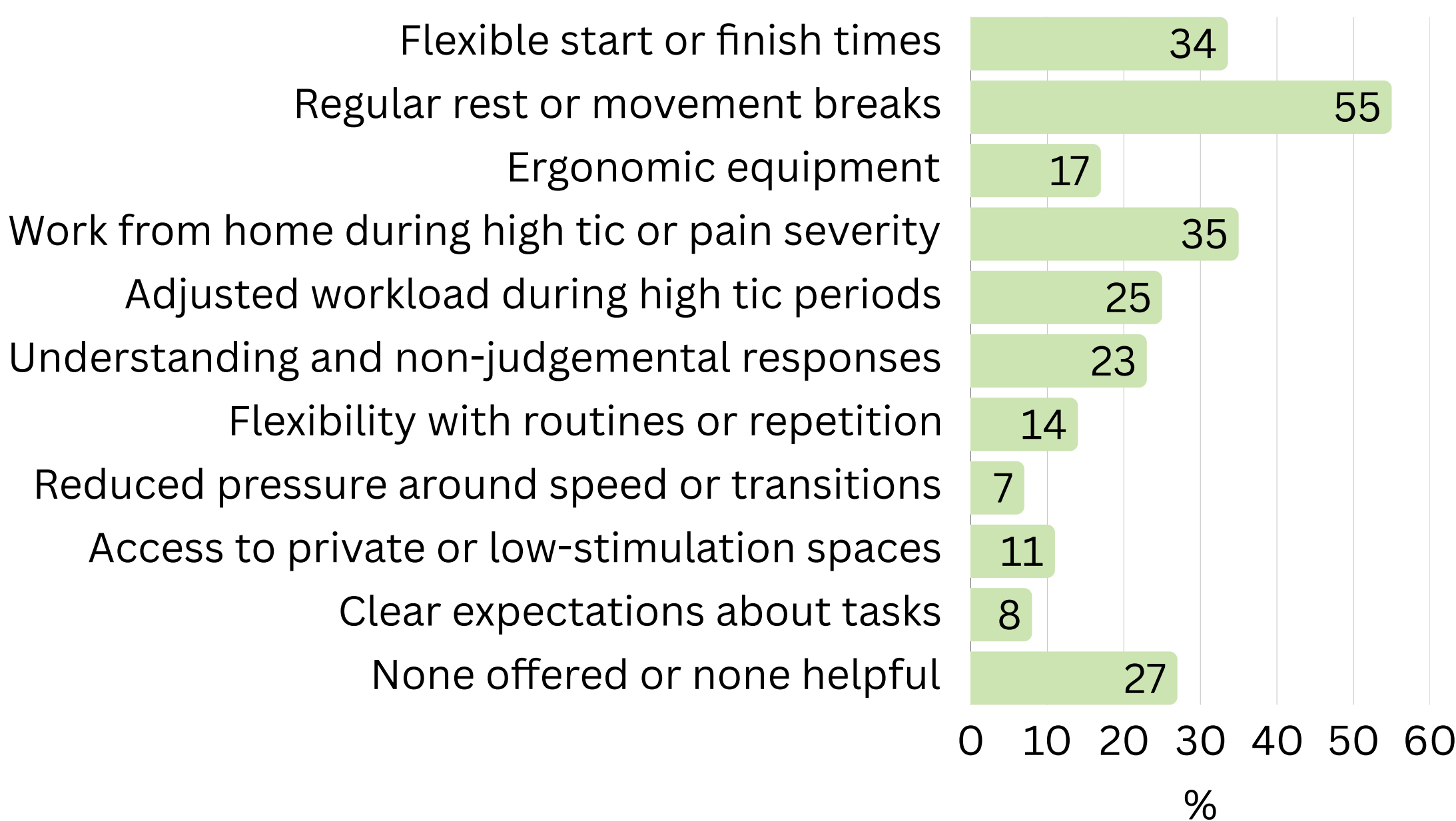
Sensory experiences which impact work



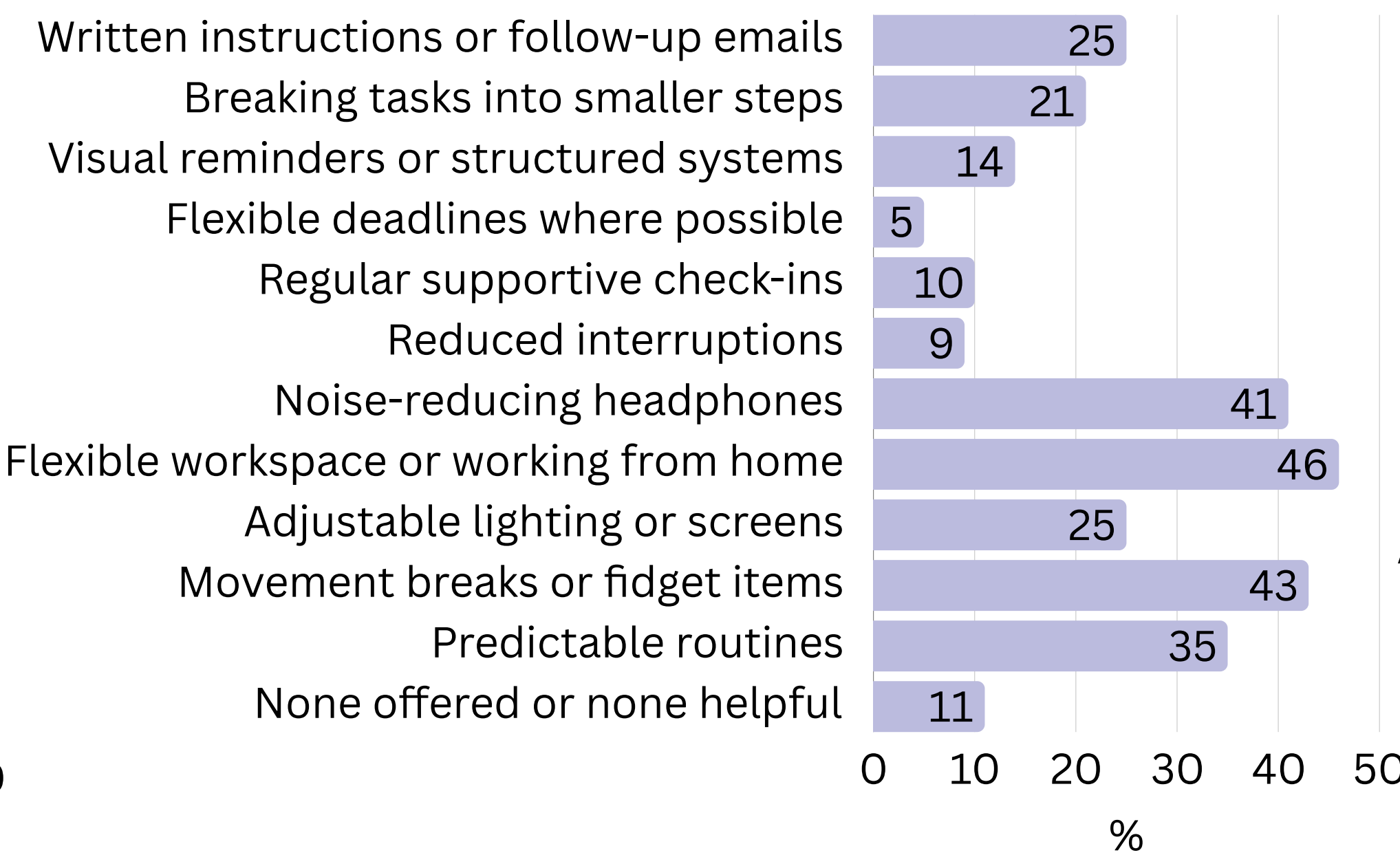
Executive Function needs which impact work



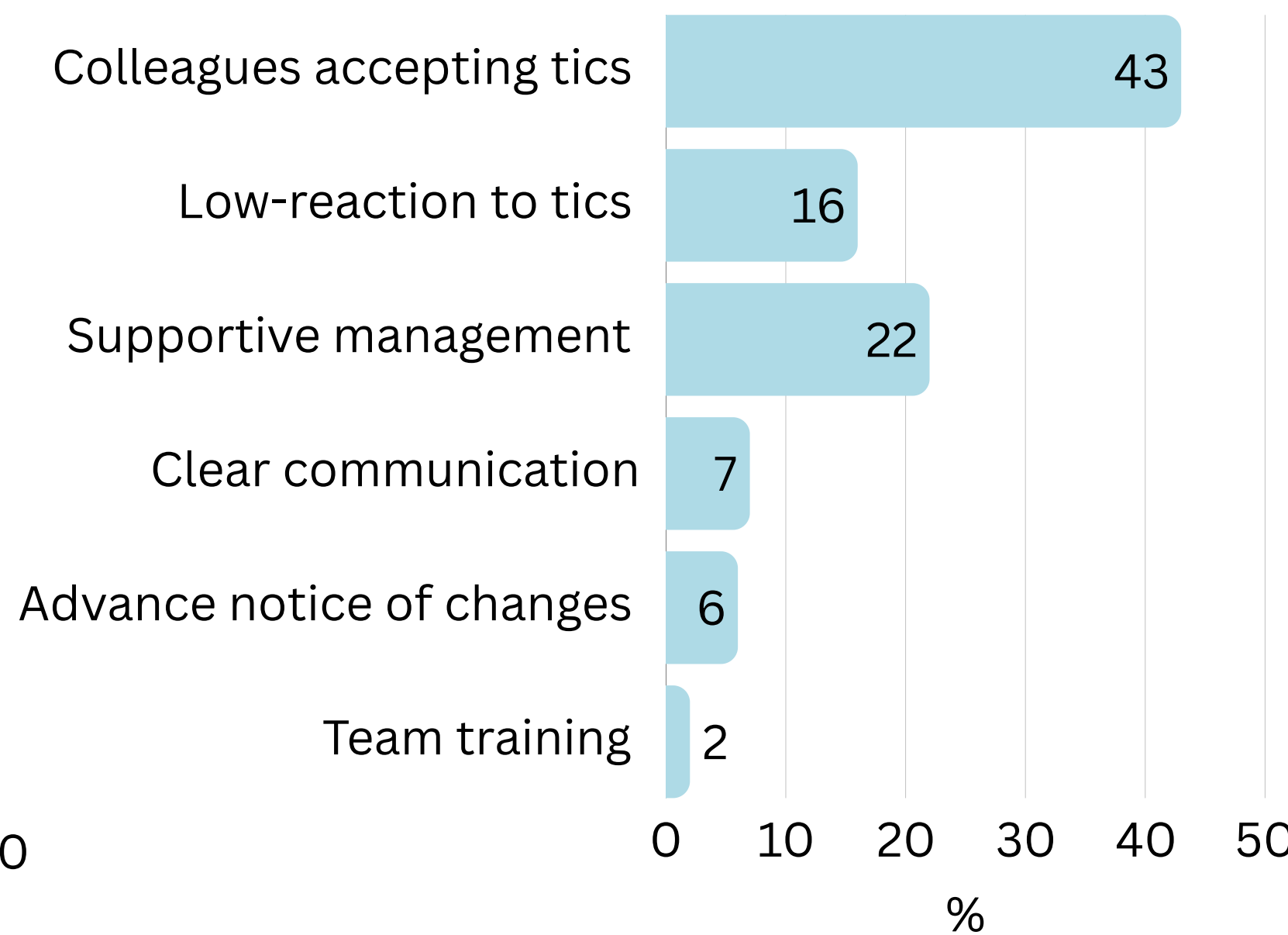
Helpful workplace task and process adjustments



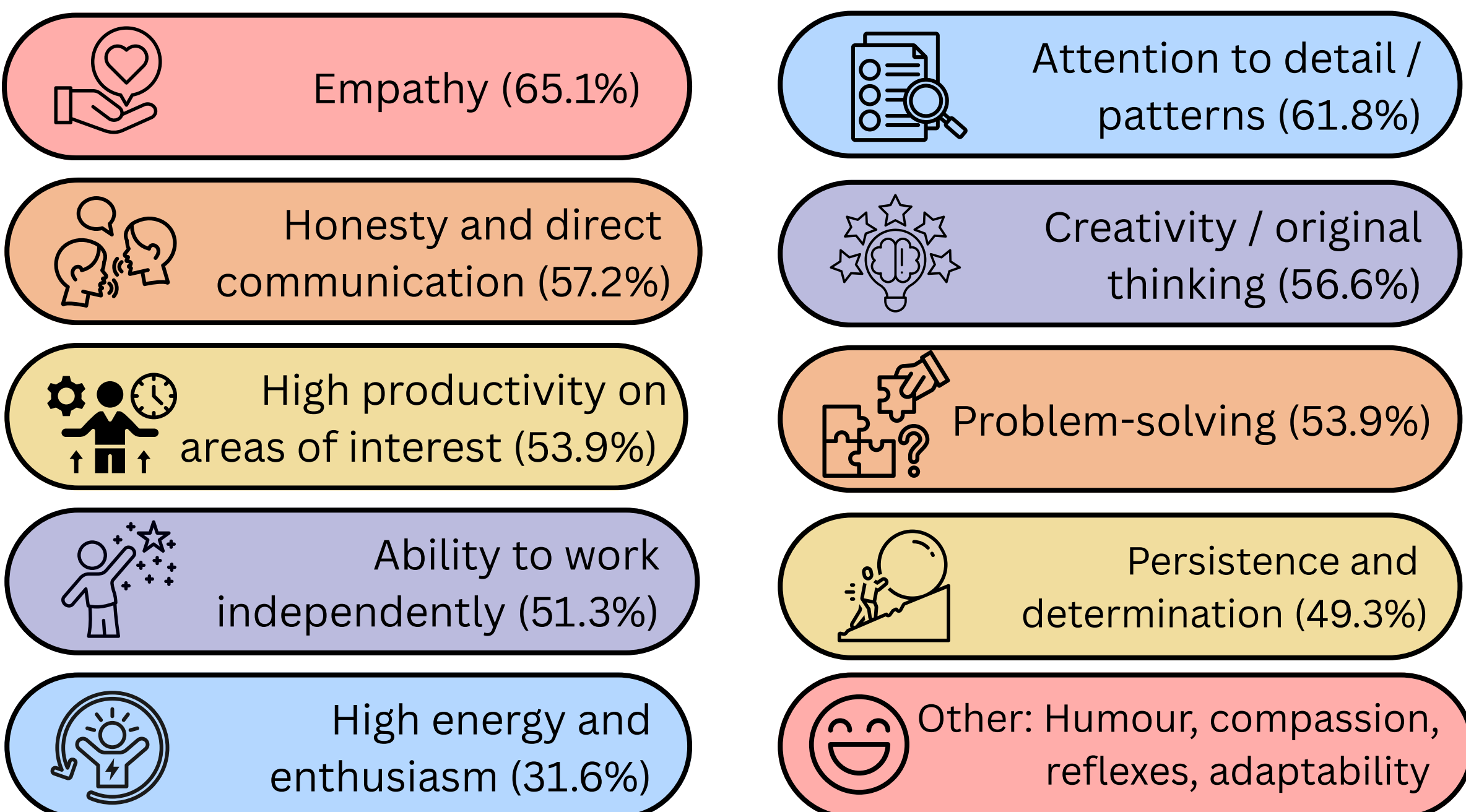
Helpful Executive Function and Sensory Adjustments



Protective workplace factors



Workplace strengths and skills (n=152)



CONCLUSION

Findings highlight the complex interaction of neurological, sensory, cognitive and environmental factors influencing employment participation in adults with TS. Alongside strengths, participants reported barriers including tic visibility, fatigue, compulsions, sensory environments and executive function demands.

The co-produced TEP will incorporate an employee workbook for individuals to explore and reflect on workplace strengths and needs and a two page summary profile which can be shared with employers which will include key personalised adjustments relevant to the individual's needs and setting.

Tic Attire: Exploring Tic-Related Pain, Injury and the Co-Design of Protective Clothing

Authors and Affiliations

Ione Georgakis^{1,2,3,4}, Emma McNally¹, Pippa McClounan¹, Edward Palmer¹, and Florence Meredith¹
¹ Tourettes Action ² Royal College of Occupational Therapists ³ Mediequip ⁴ Livewell Southwest NHS Trust

INTRODUCTION

Tic-related pain and injury (TRPI) in Tourette syndrome (TS) and related tic disorders including functional tic like behaviours (FTLBs) can significantly limit participation in daily activities. Pain often results from repetitive, forceful movements and environmental interaction, including neck and limb hyperflexion, object-directed tics (e.g. hitting surfaces), and self-directed behaviours such as self-hitting. These may lead to acute injury (e.g. bruising, soft tissue damage) and chronic musculoskeletal pain. The Tic Attire project explores the feasibility of co-designed protective clothing to reduce injury without restricting movement or suppressing tics.

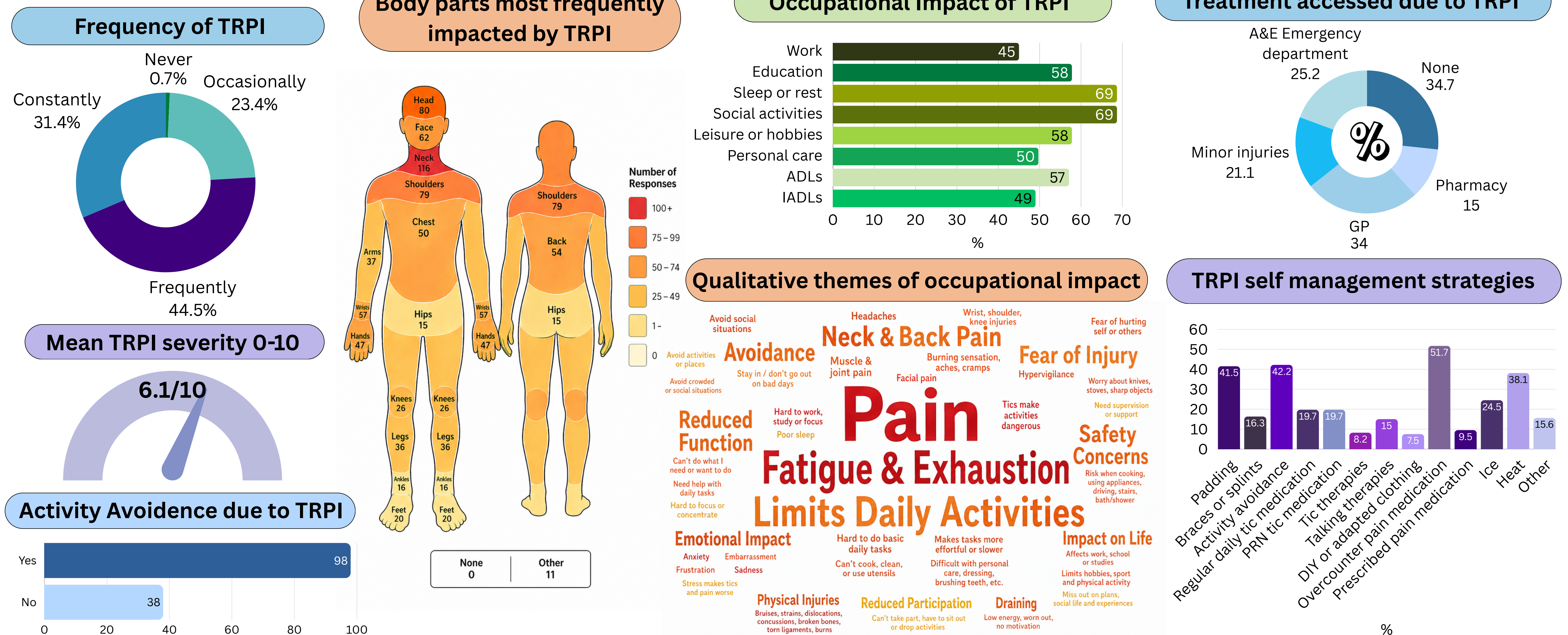
METHODOLOGY

An online mixed methods survey examined TRPI experiences, healthcare use, coping strategies, and design priorities. It was distributed nationally via Tourettes Action and locally through a Surrey support group. A total of 147 respondents participated. Findings were analysed to inform development of an initial protective hoodie prototype. Qualitative feedback was gathered at a face to face support group where participants could try the first working prototype.

DEMOGRAPHICS

Respondents			Gender				Diagnosis						
Adult with tics	A young person with tics (under 18)	Parent or carer of a young person with tics	Man	Woman	Non-binary	Prefer not to say	Tourette syndrome	Chronic Motor tics	Chronic Vocal tics	FTLB	Stereotyped movements	Other	No formal diagnosis
98	21	28	41	90	14	2	109	13	4	20	2	6	16

RESULTS



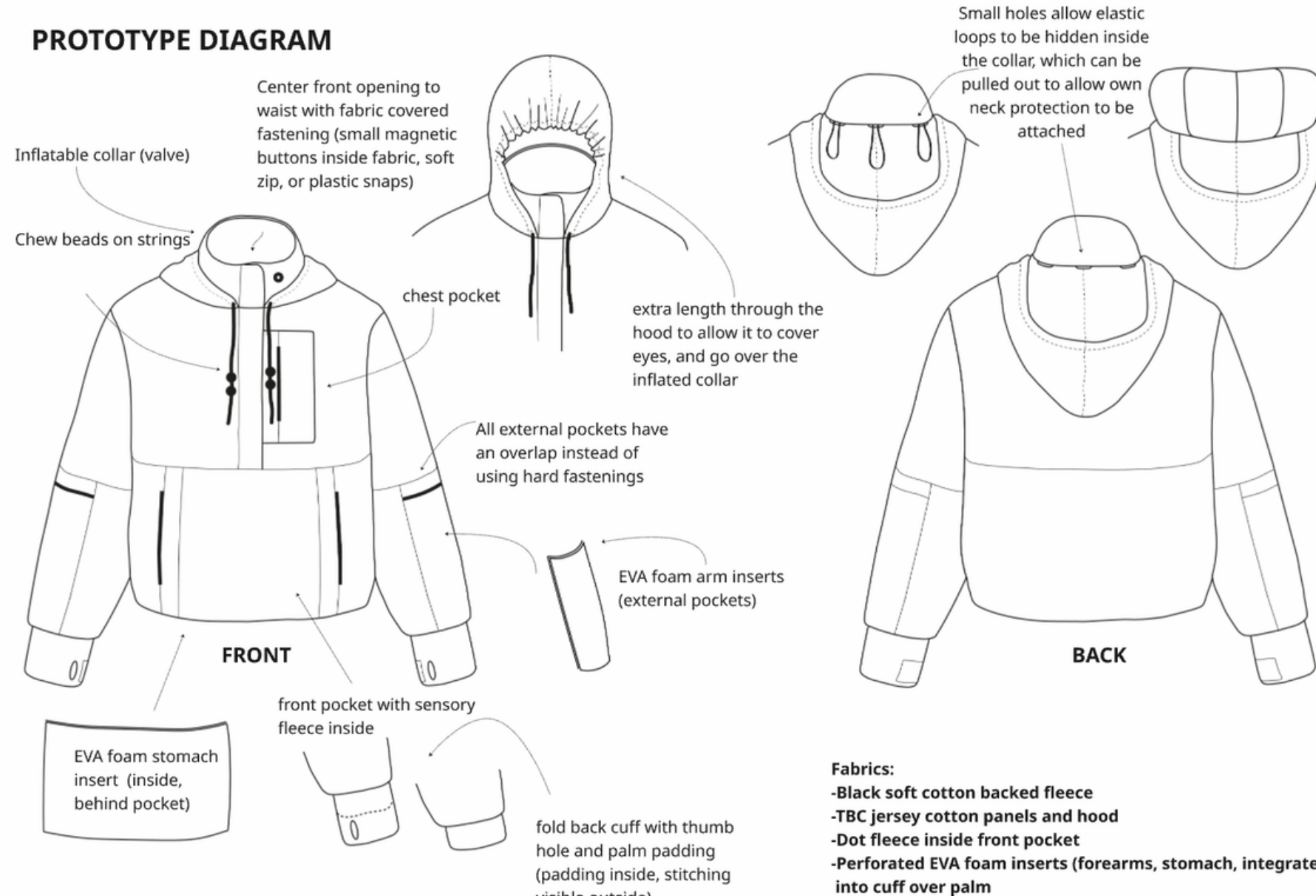
OUTCOMES

Survey findings informed the co-production of a padded hoodie prototype targeting high-risk areas, including the hands and neck, designed to be comfortable, discreet, and sensory-informed.

A key priority identified by participants was that the garment should not appear medical or clinical; therefore, the hoodie is intentionally styled to resemble everyday clothing.

Features include a discreet, hidden inflatable pillow to reduce range of hyperextension during head and neck tics, which can be replaced with a higher-density foam insert for individuals experiencing more rapid or forceful tics.

Additional elements include soft tactile features to provide external sensory feedback, chewable components to support reduction of vocal tics, and removable padded EVA foam inserts. The cotton-lined fleece fabric supports temperature regulation, is machine washable, enhances overall comfort and wearability. Initial focus group feedback has been very positive.



CONCLUSIONS

TRPI are common and significantly affect wellbeing, healthcare use, and participation across rest, productivity, and social domains. Co-designed protective clothing may offer a promising harm-reduction approach that supports safety and occupational engagement without aiming to suppress tics. Further development and evaluation will assess feasibility and effectiveness.

From Training to Practice: Evaluating a CBIT Programme’s Impact on Clinician Confidence and Service Pathways

Authors and Affiliations

Ione Georgakis^{1,2}, Emma McNally¹, Pippa McClounan¹, Edward Palmer¹ and Jane Platt³
¹ Tourettes Action ² Livewell Southwest NHS Trust ³ Edge Hill University



BACKGROUND

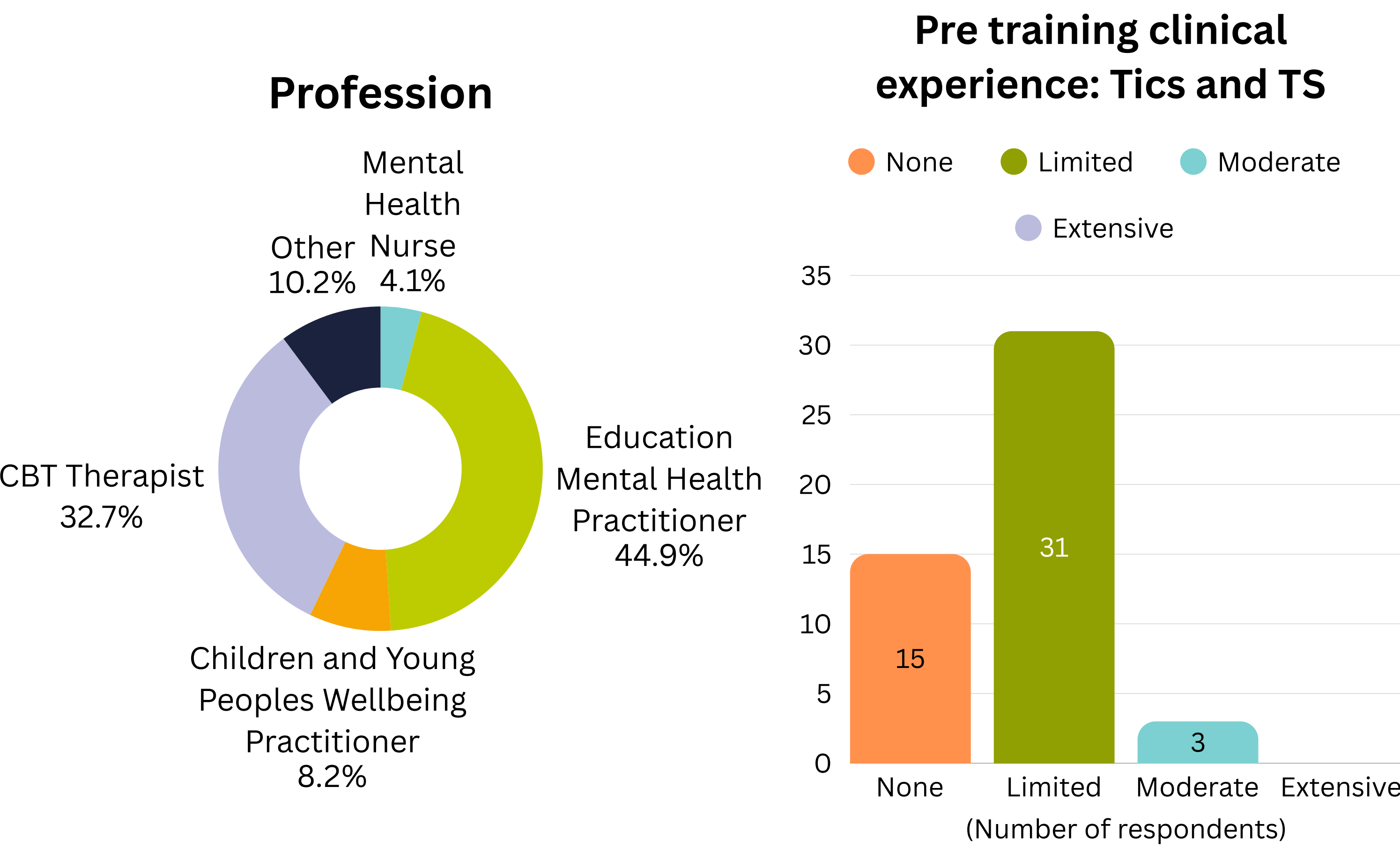
Within the UK, limited access to Comprehensive Behavioural Intervention for Tics (CBIT) remains a barrier to timely and effective treatment for tic disorders, partly due to low clinician confidence, limited training opportunities and inconsistent service provision across regions. Consequently, many individuals with tics and Tourette syndrome experience limited access to evidence-based treatment, long wait times, or are required to travel significant distances to access specialist support. To address these gaps, Tourettes Action developed a structured CBIT training programme designed to improve clinician knowledge, confidence, and readiness to deliver evidence-based tic assessment and intervention within primary and secondary mental health services.

METHODS

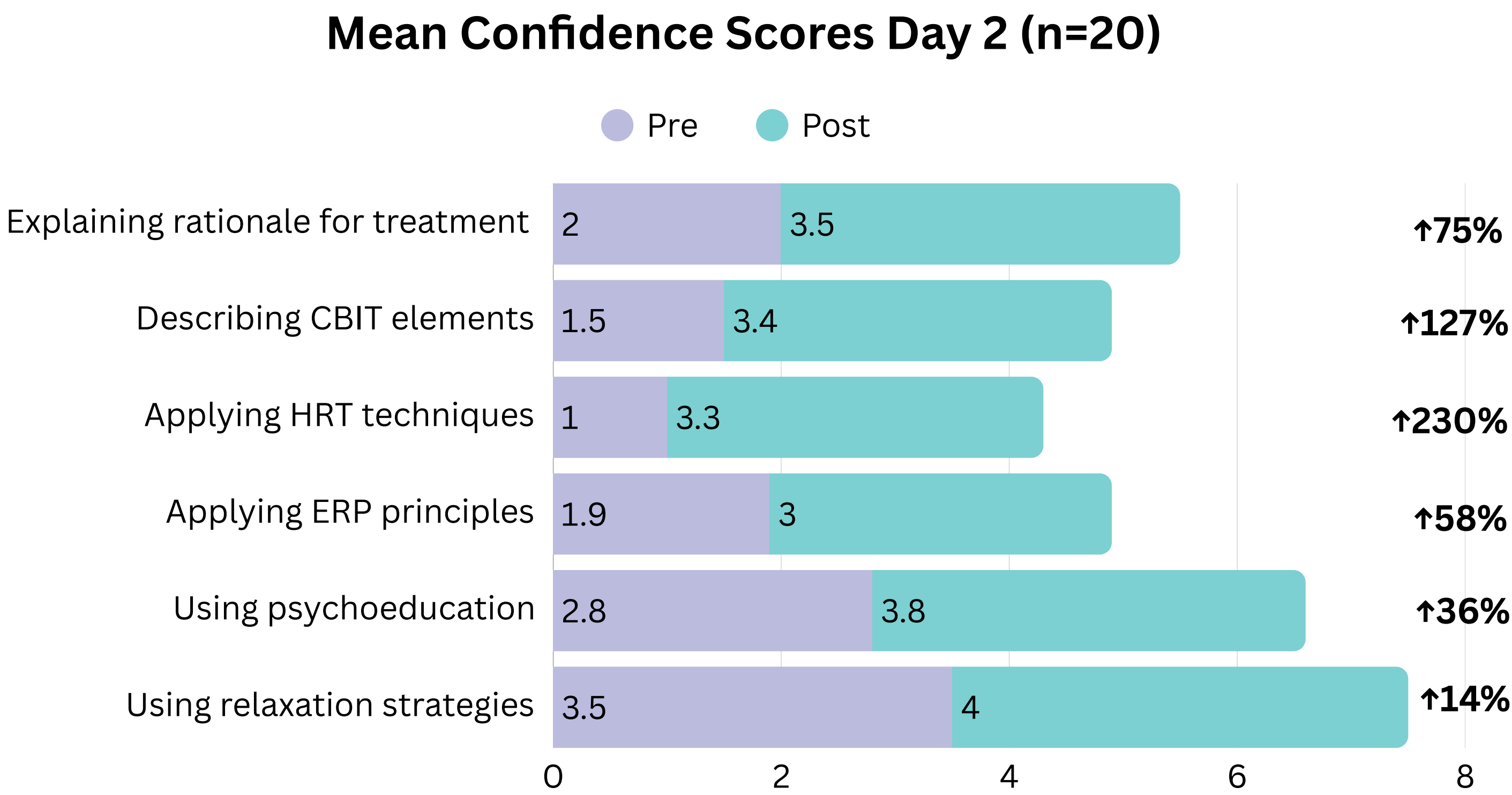
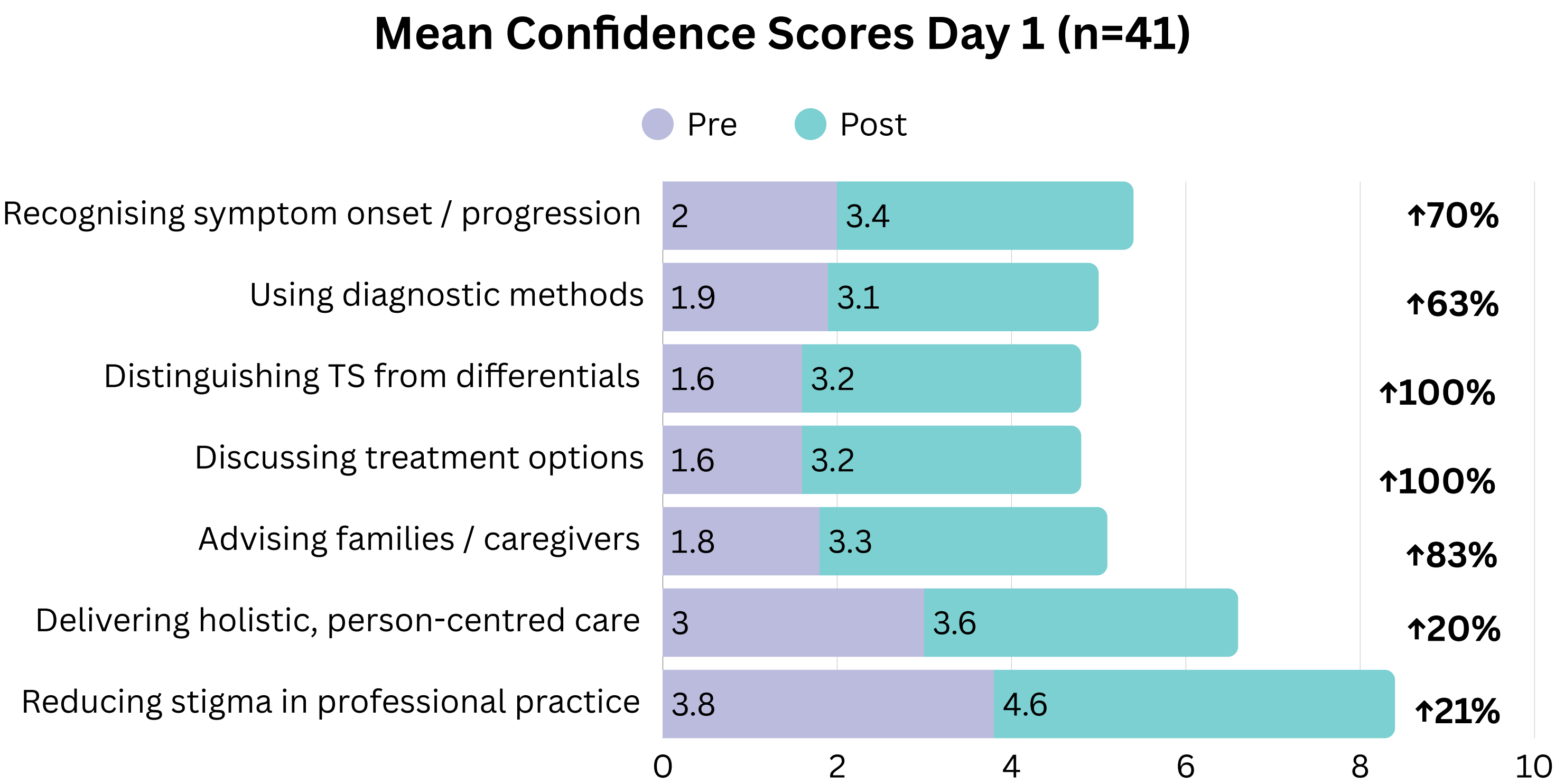
A two day CBIT training programme was developed and delivered to Senior Wellbeing Practitioners for Children and Young People PGDip and clinical supervisors at Edge Hill University.

The programme was designed and delivered by Tourettes Action employee, a CBIT-certified Occupational Therapist with lived experience. Pre and Post confidence scores and long term follow up feedback was gathered via a mixed-methods online survey.

RESULTS



Training Delivery Format	
Day 1: 5 Hours Online	Delivered to students and supervisors; Focused on tic assessment, co-occurring features and differential diagnosis.
Day 2: 5 hours Face-to-face	Delivered to students only and focused on therapeutic interventions including CBIT, Habit Reversal Training (HRT), Psychoeducation, and Exposure and Response Prevention (ERP), alongside practical clinical activities.
Pre, post-and 6 month follow-up	Self-rated confidence scores were collected via mixed method online surveys. Qualitative data from open-ended responses were analysed thematically.



Qualitative survey analysis (n=61)		
Specialist Expertise & Lived Experience	Improved Clinical Understanding	Demand for Further Training
- Expertise valued - Lived experience enhanced learning - Real-world examples and case studies	- Better understanding of tics - Differential diagnosis - CBIT and alternative interventions	- Longer sessions requested - More discussion time - Practical skill development
"The knowledge, skill and expertise of the presenters." "Videos and your own experiences." "Very engaging and insightful." "Accessible teaching approach"	"Greater understanding of TS." "Comorbidities and overlap with mental health and neurodevelopmental conditions." "Difference between tics and functional tics."	"A lot of information." "More time for activities." "Would benefit from longer training." "More time on ERP would be helpful"

6 Month follow up (n=11)		
55% applied CBIT strategies - those who did not had not had opportunities	64% supported at least one individual with tics	73% shared learning and contributed to tic service development discussions

CONCLUSIONS

This evaluation demonstrates that a blended CBIT training programme improves clinician confidence and implementation readiness, with early evidence of sustained application. Training may also act as a catalyst for service-level change, supporting development of referral pathways and more inclusive access to care. Programme expansion to a three-day model is planned to support advanced skill consolidation.

