

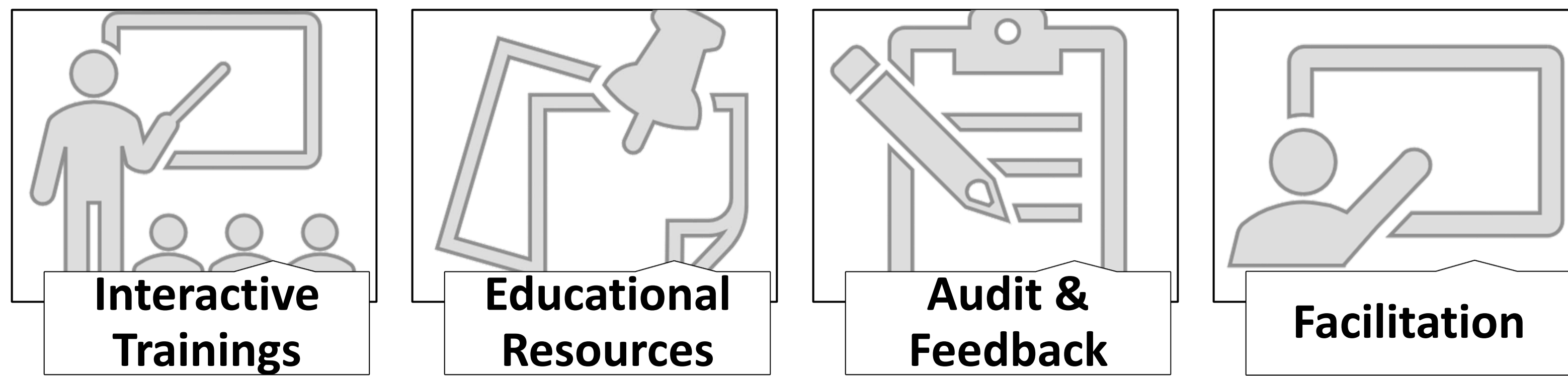
Background

- Long-term exercise participation is beneficial for people with Parkinson's disease (PwP), but it can be hard for PwP to start and remain engaged.
- Purpose:** To explore how physical therapists (PTs) can use digital health technology (DHT) and behavior change approaches to help PwP meet exercise goals.

Implementation Context

- Outpatient rehabilitation clinics (1 urban, 2 suburban)
- 8 PTs with average 5.6 years experience working with PwP had 100% adherence to documenting self-reported baseline exercise for PwP prior to implementation.

IMPLEMENTATION STRATEGIES:

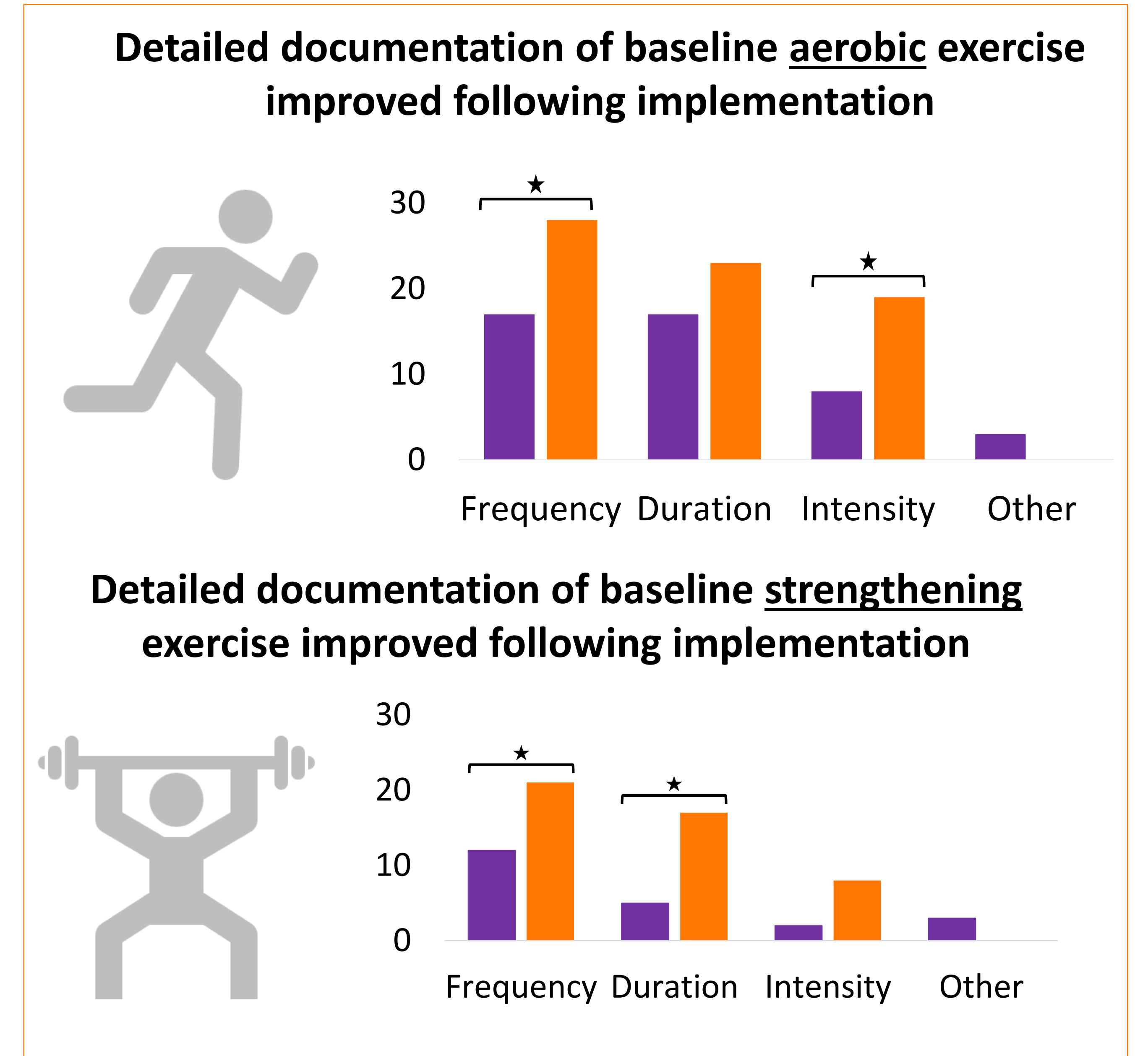
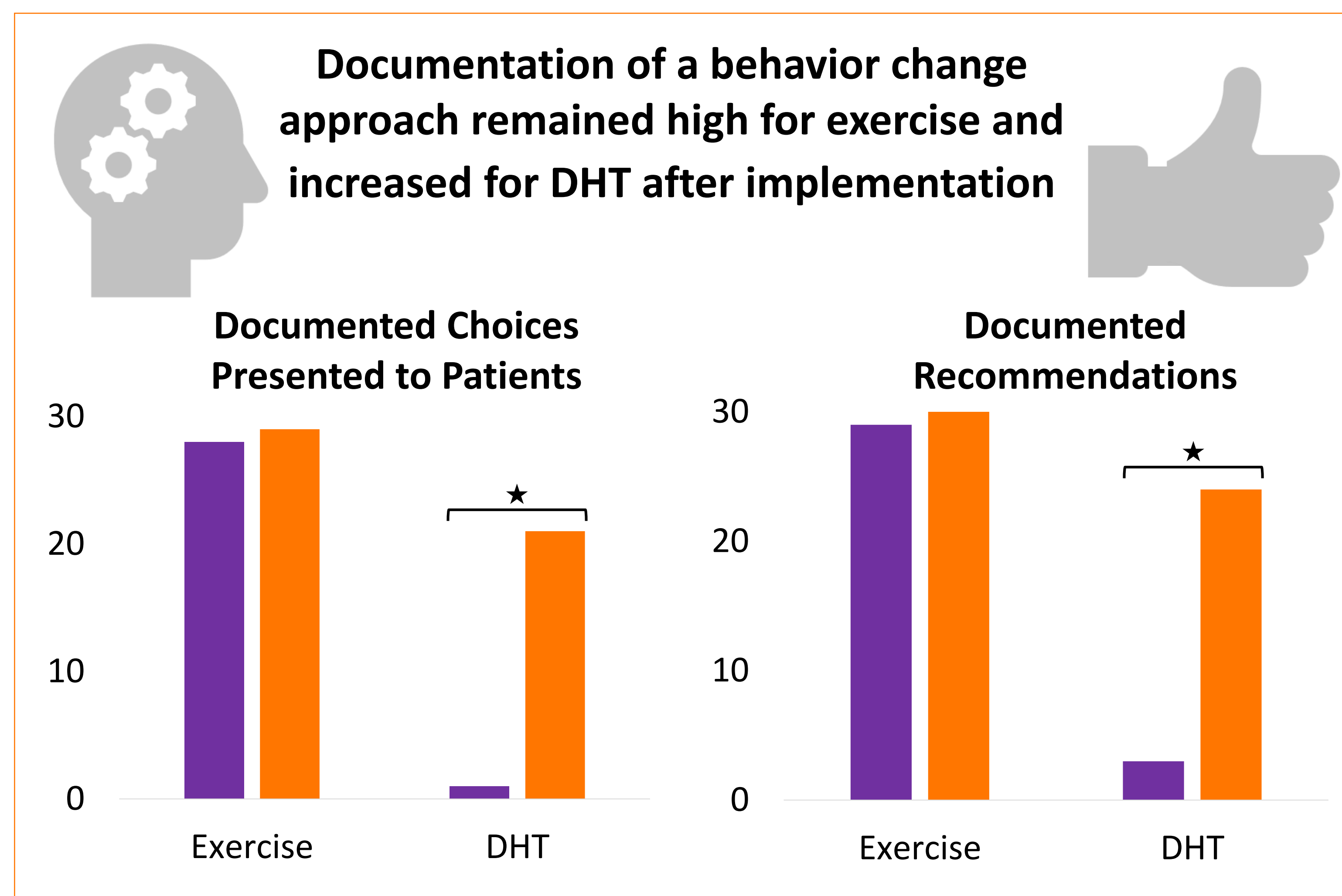
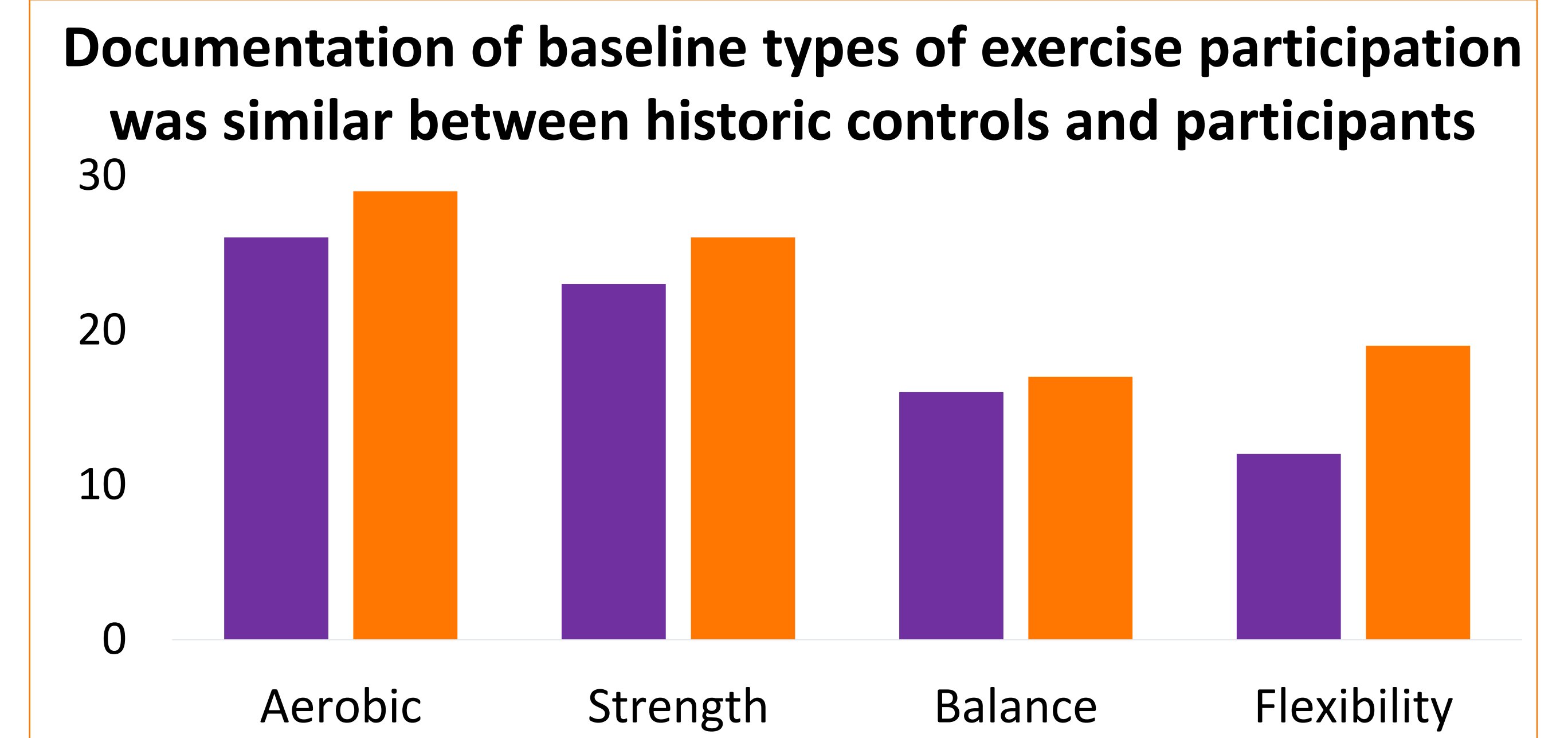
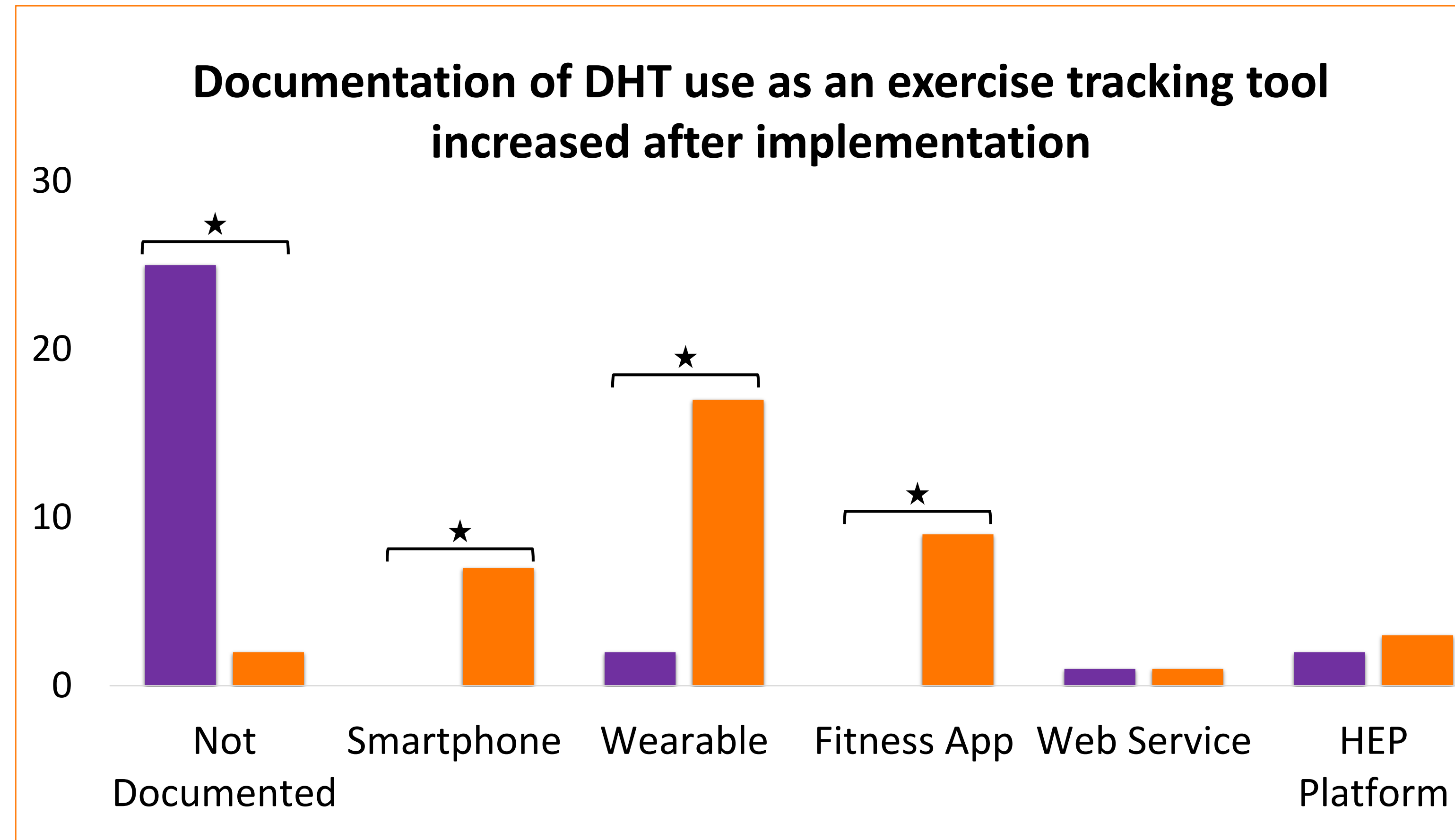


- Implementation aimed to promote the use of DHT and behavior change approaches for exercise adherence in a group of PwP.

Design

- After implementation, PTs provided care to 30 PwP
- Manual chart review:
 - Historical control documentation (n=30)
 - Participant documentation (n=30)
- Age & sex matched. Average age: 64.4 & 64.2 years
- DHT Fidelity Outcomes:**
 - Patient-reported exercise (e.g. frequency, intensity, time, type)
- Behavior Change Fidelity Outcomes:**
 - Documented reference to DHT (e.g. type of technology, step count, and heart rate-based intensity)
 - Documentation of choices for exercise and DHT
 - Documentation of recommendation for exercise and DHT

Results



★ Significance (p = 0.05)

■ Control ■ Participant

Conclusion & Clinical Relevance

- Targeted implementation strategies resulted in improved documentation of exercise details and DHT use in a group of therapists already documenting information about exercise and shared decision making.
- Use of DHT is not standard practice and PTs benefited from specialized implementation training to better facilitate DHT use and improve detailed exercise prescription and monitoring in PwP.