

Appendix 4. Performance Quality Rating Scale (PQRS) Single subject design visual analysis per participant

For all graphs:

Figure represents the *PQRS scores across baseline and intervention phases* for each chosen activity of daily living (ADL).

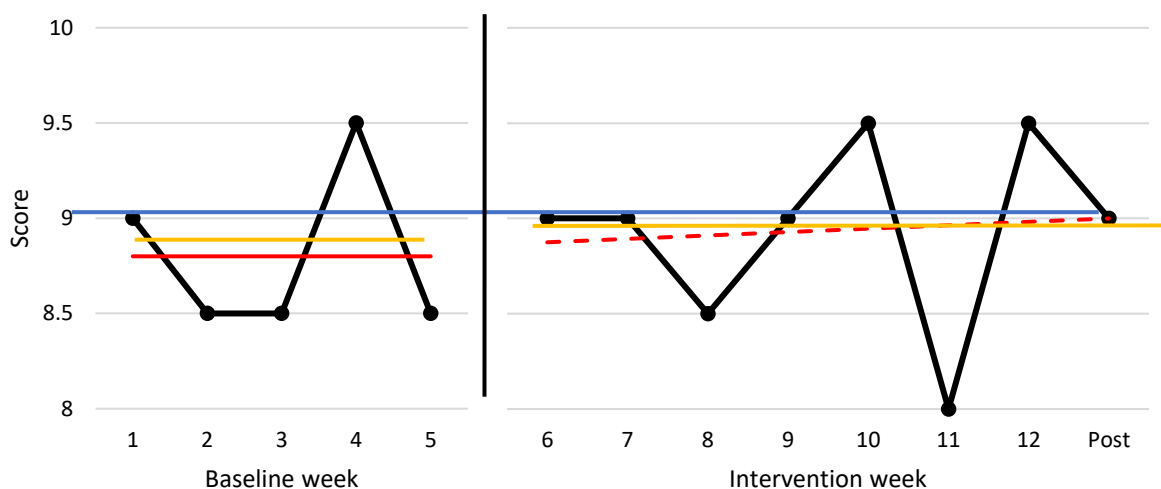
Slope trend line is represented by the red line at baseline, and dashed line at intervention.

Blue line marks the amount of points at B which surpassed the highets score at A (*Percentage of non overalpping data [PND]*).

Yellow lines indicates the mean score at each phase respresenting *slope level change*.

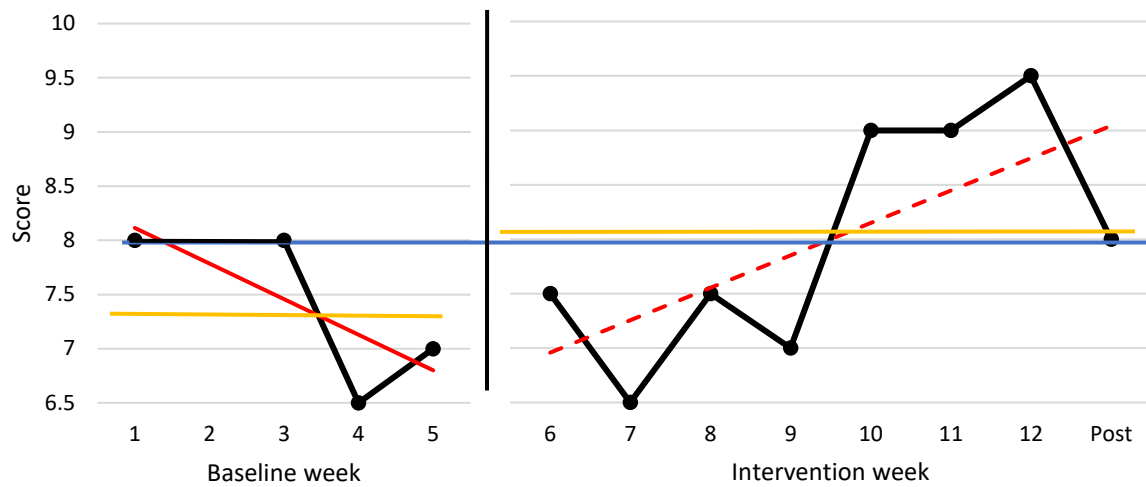
Participant 1

ADL 1



ADL	Improving ability to eat finger foods
PQRS improvement	0 pts
Standard mean difference	0.31 pts
PND	0% ($p=1$)

ADL 2

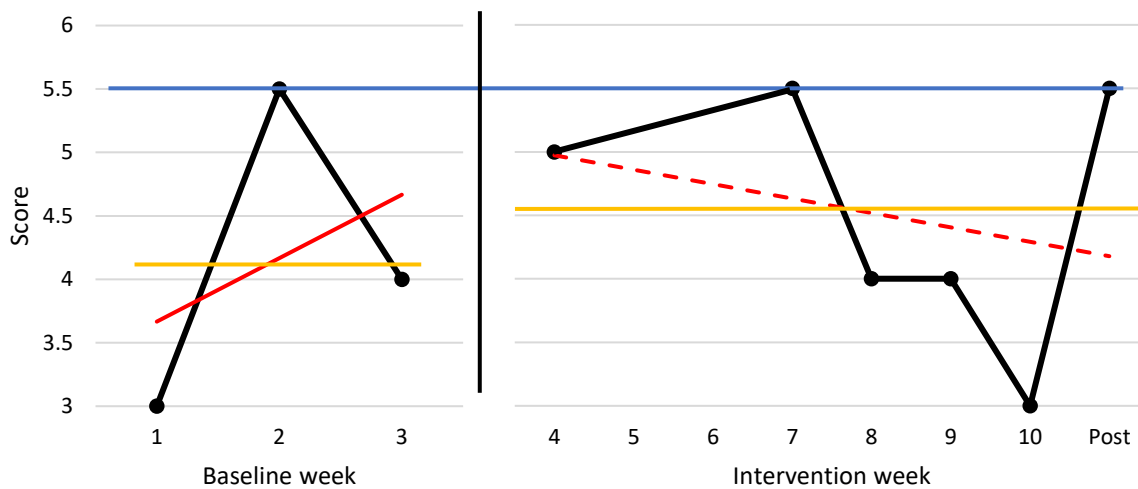


Missing data at baseline week 2.

ADL	Buttoning up a large button on a verst
PQRS improvement	1.50 pts
Standard mean difference	0.83 pts
PND	37.50 % ($p=0.20$)

Participant 2

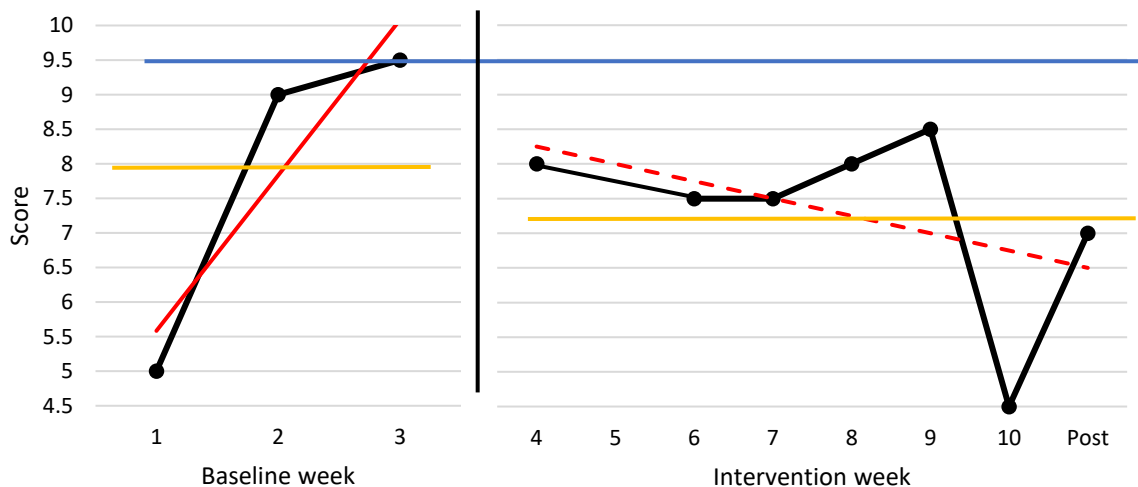
ADL 1



Missing data at interventions weeks 5 and 6.

ADL	Buttoning up the school shirt
PQRS improvement	0 pts
Standard mean difference	0.26 pts
PND	0% ($p=1$)

ADL 2

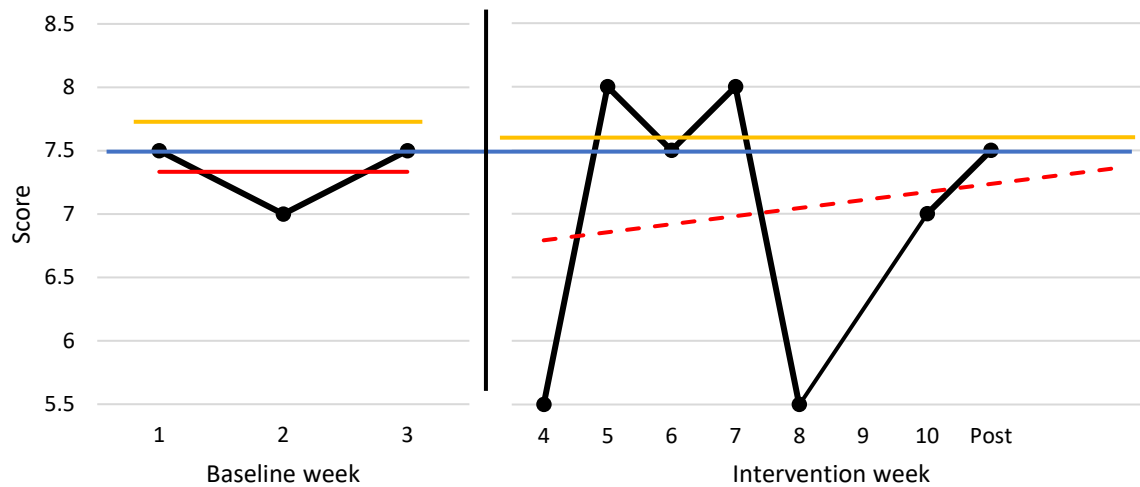


Missing data at intervention week 5.

ADL	Improving ability to type in the computer
PQRS improvement	0 pts
Standard mean difference	-0.22 pts
PND	0% ($p=1$)

Participant 5

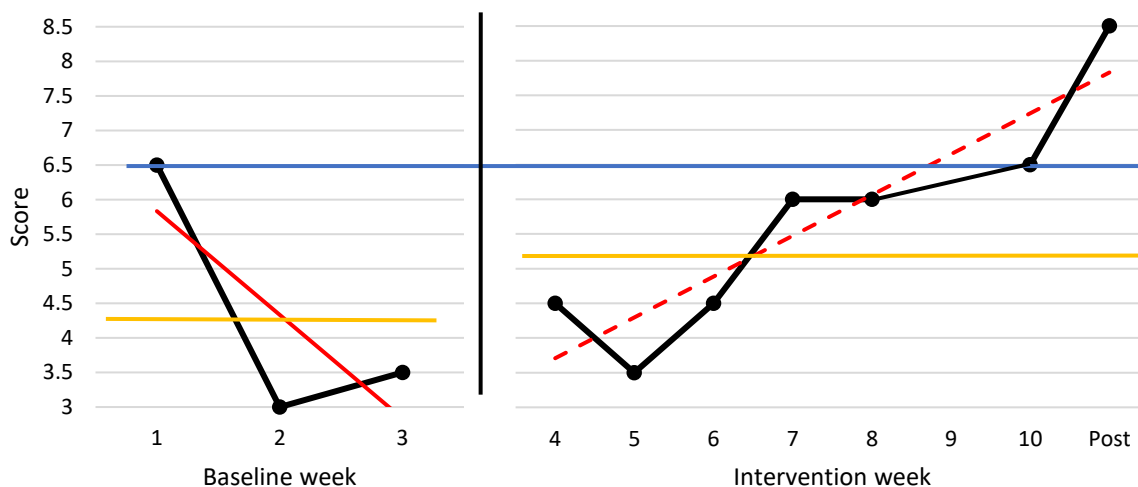
ADL 1



Missing data at intervention week 9.

ADL	Putting socks independently
PQRS improvement	1 pts
Standard mean difference	-1.15 pts
PND	23.57% ($p=0.38$)

ADL 2

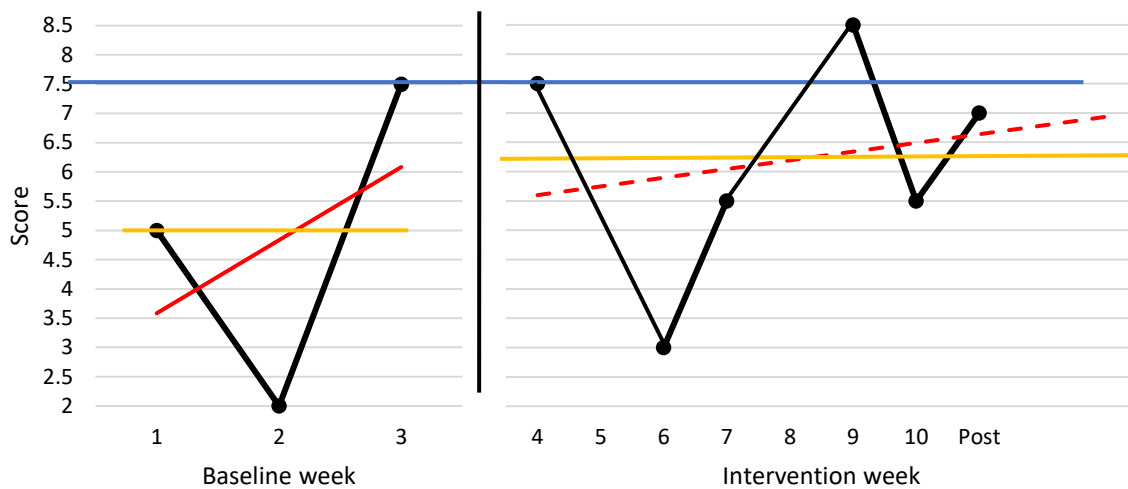


Missing data at intervention week 9.

ADL	Improving ability to type in the computer
PQRS improvement	2 pts
Standard mean difference	0.69 pts
PND	14.3 % ($p=0.57$)

Participant 6

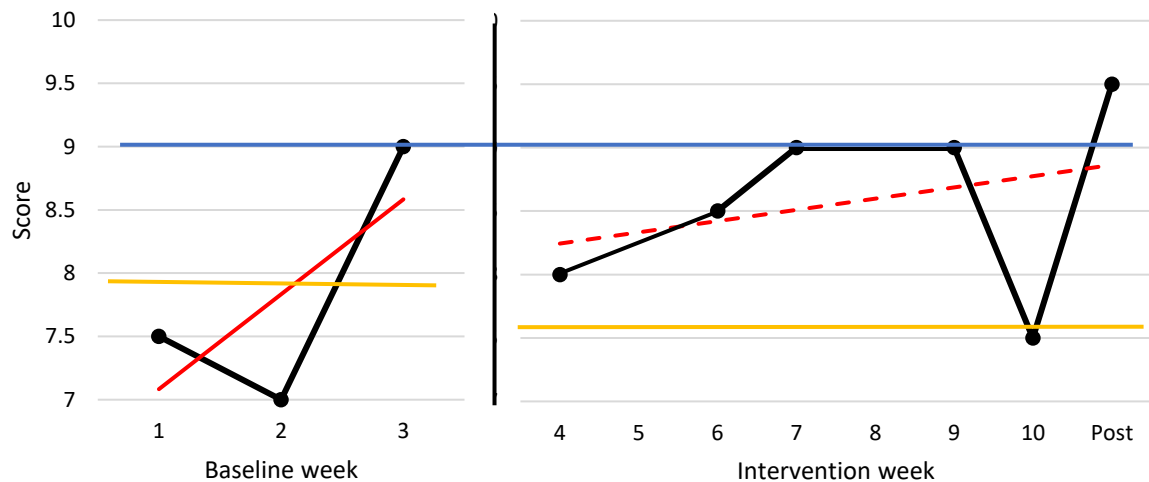
ADL 1



Missing data at intervention weeks 5 and 8.

ADL	Buttoning up the school shirt
PQRS improvement	1 pts
Standard mean difference	0.48 pts
PND	16.67% ($p=0.54$)

ADL 2

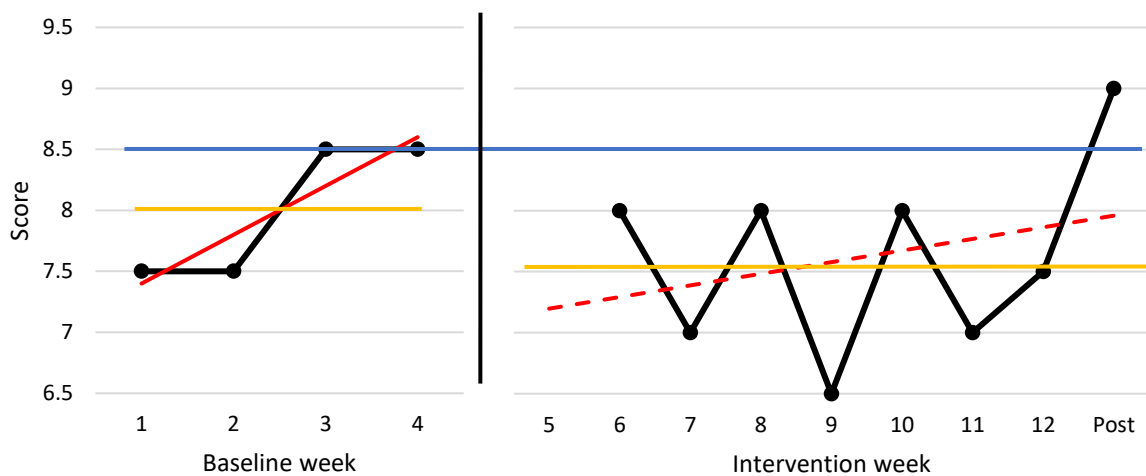


Missing data at intervention weeks 5 and 8.

ADL	Tying shoelaces
PQRS improvement	0.5 pts
Standard mean difference	-0.35pts
PND	16.67% ($p=0.54$)

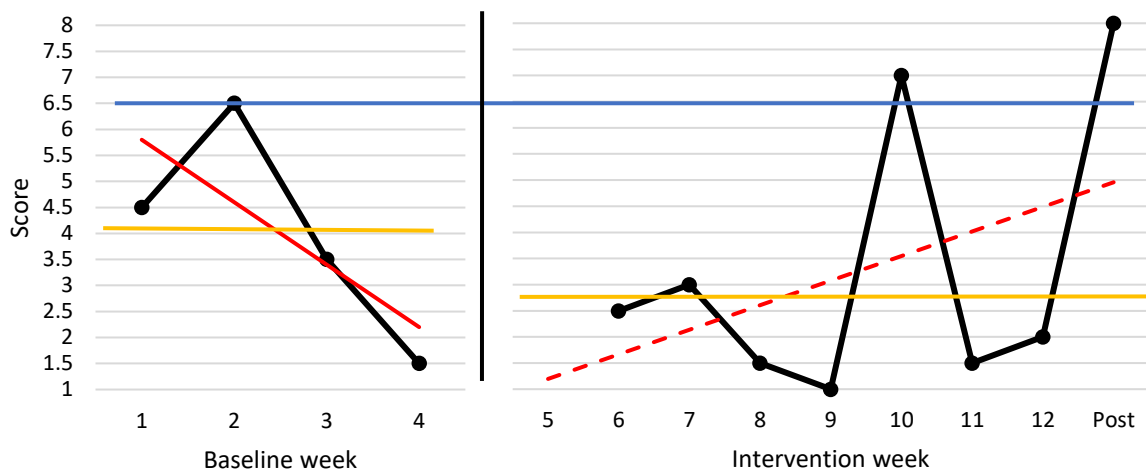
Participant 7

ADL 1



ADL	Improving hand grasp (affected) when using the walker
PQRS improvement	0 pts
Standard mean difference	-0.99 pts
PND	0% ($p=1$)

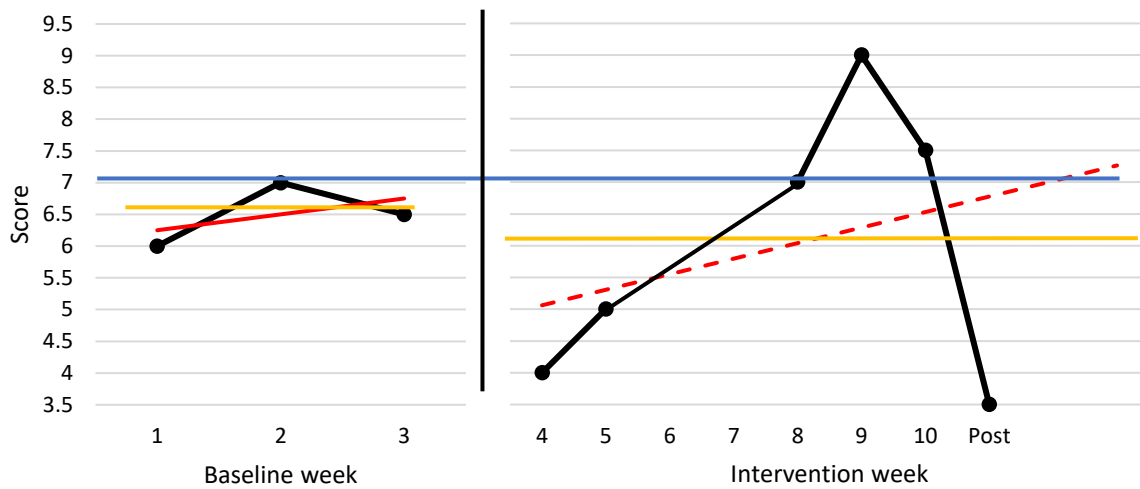
ADL 2



ADL	Holding on to a loose paper, to be able to write on it
PQRS improvement	0.5 pts
Standard mean difference	-0.65 pts
PND	14.29% ($p=0.5$)

Participant 8

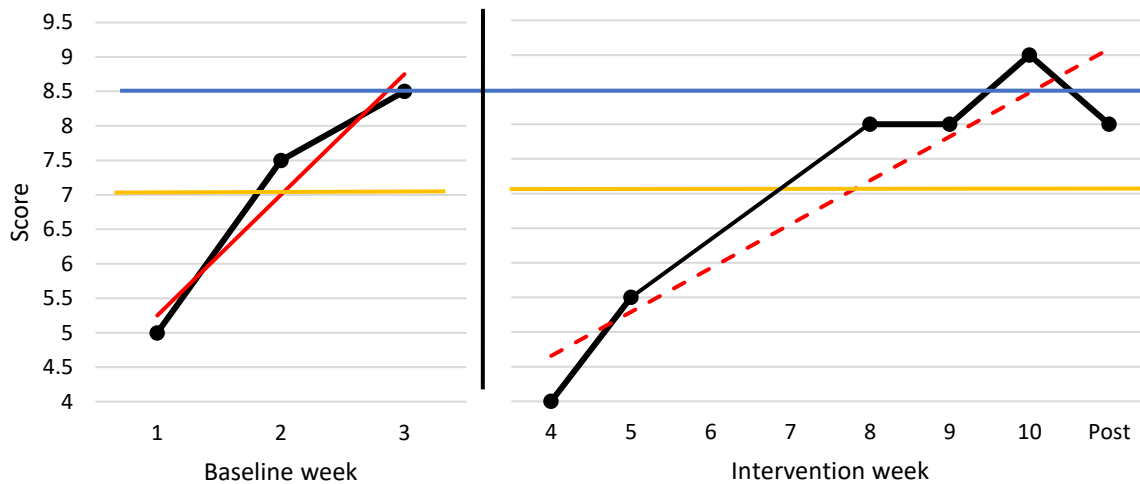
ADL 1



Missing data at intervention weeks 6 and 7.

ADL	Buttoning up school shirt
PQRS improvement	0.5 pts
Standard mean difference	-1 pts
PND	33% ($p=0.33$)

ADL 2

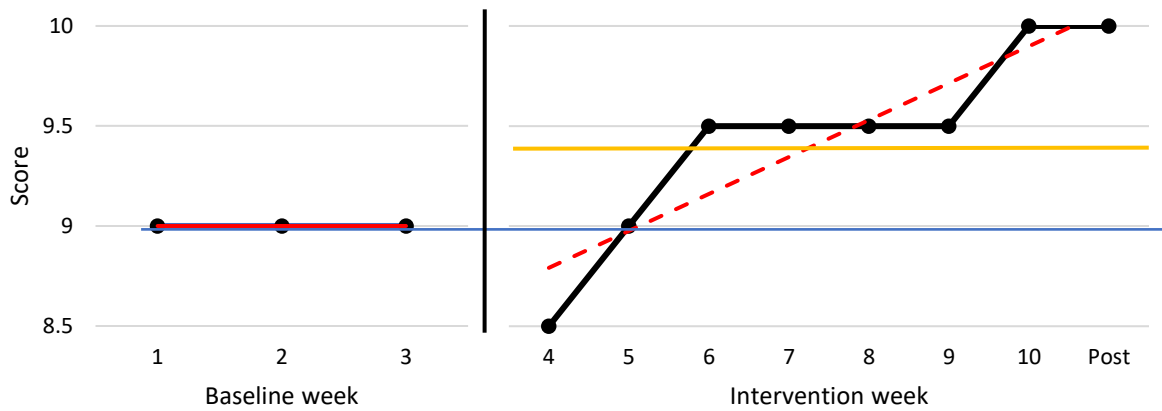


Missing data at intervention weeks 6 and 7.

ADL	Cutting with knife and fork
PQRS improvement	0.5 pts
Standard mean difference	0.05 pts
PND	16.67% ($p=0.54$)

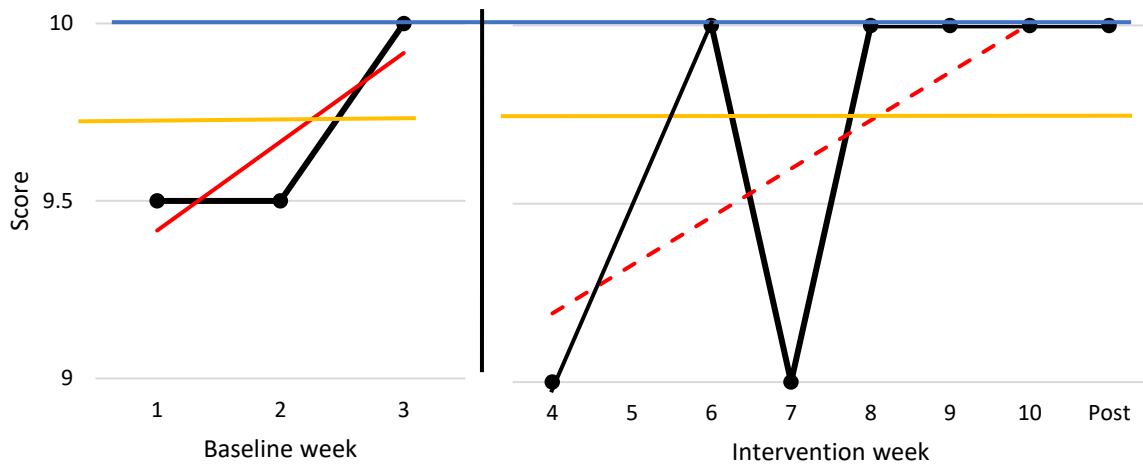
Participant 9

ADL 1



ADL	Improving ability to put on the school shirt (i.e., buttoning up, fixing the collar, putting shirt inside pants).
PQRS improvement	1 pts
Standard mean difference	unable to calculate as the standard deviation of the mean in phase A is 0 (i.e., data suggests a high SMD)
PND	75% ($p=0.05$)

ADL 2

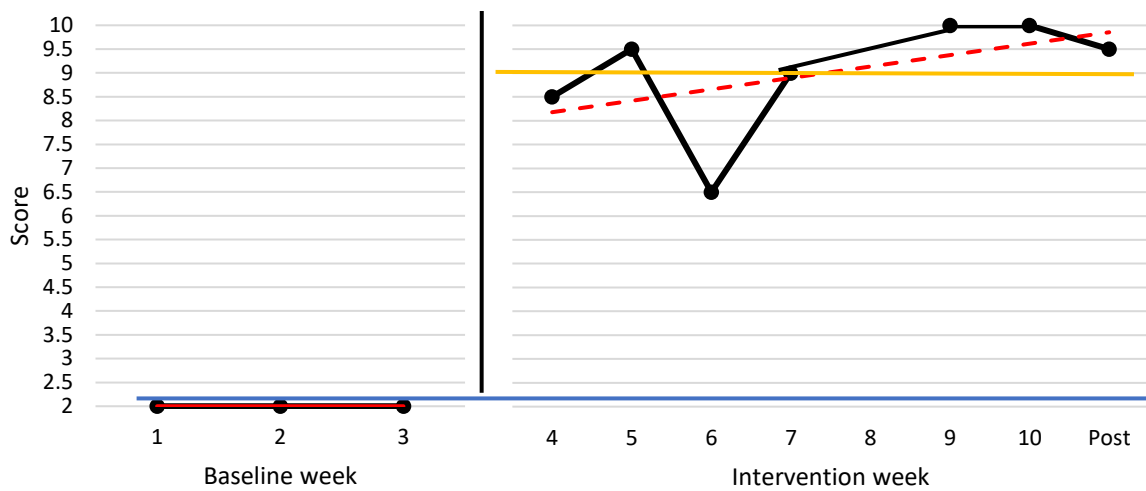


Missing data at intervention week 5.

ADL	Tying shoelaces
PQRS improvement	0 pts
Standard mean difference	0.16 pts
PND	0% ($p=1$)

Participant 10

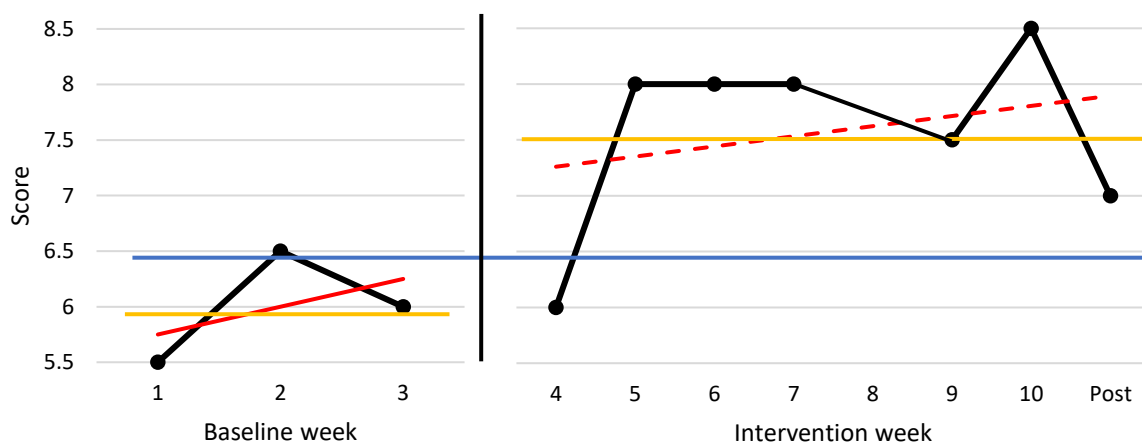
ADL 1



Missing data at intervention week 8.

ADL	Button jeans
PQRS improvement	8 pts
Standard mean difference	unable to calculate as the standard deviation of the mean in phase A is 0 (i.e., data suggests a high SMD)
PND	100% ($p=0.005$)

ADL 2

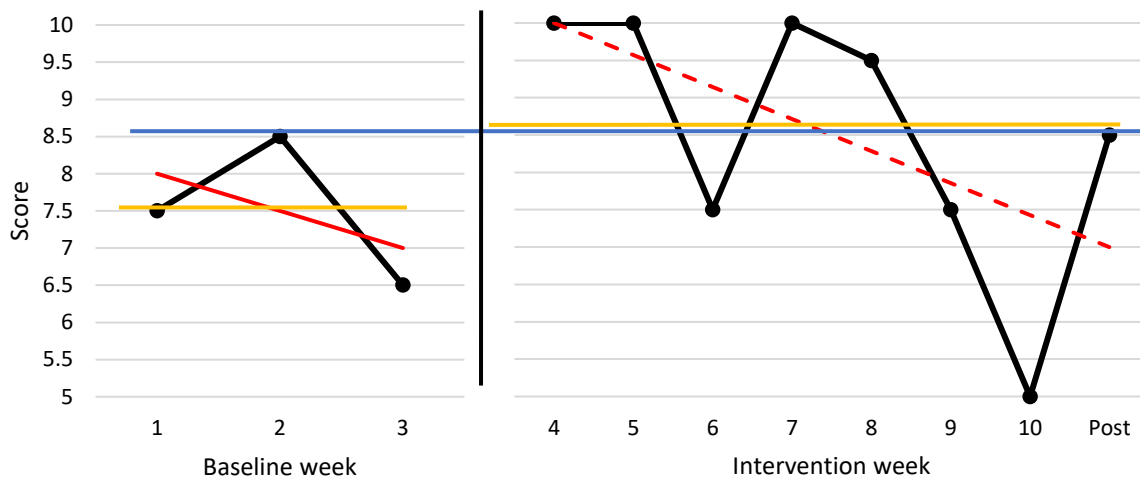


Missing data at intervention week 8.

ADL	Improving ability to type in the computer
PQRS improvement	2 pts
Standard mean difference	3.14 pts
PND	85.71% ($p=0.023$)

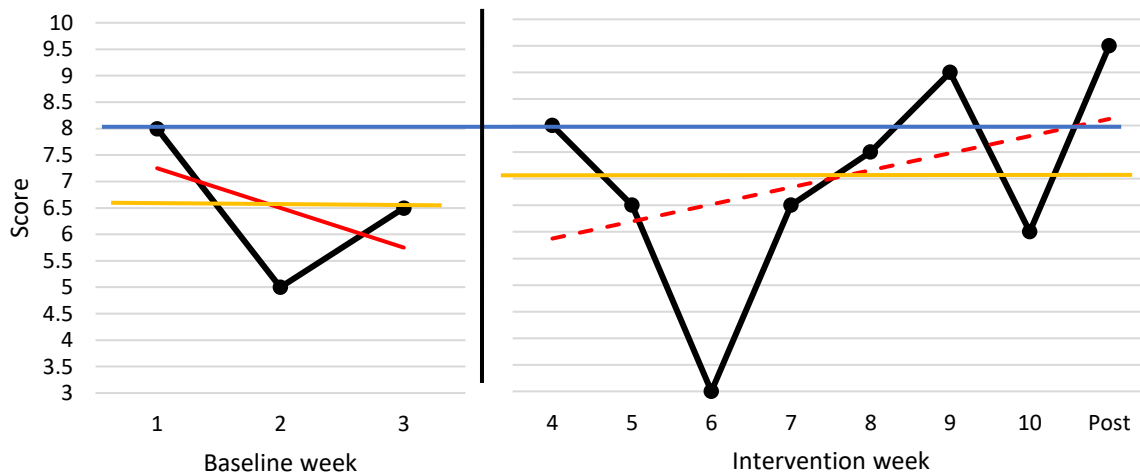
Participant 11

ADL 1



ADL	Cutting with knife and fork
PQRS improvement	1.5 pts
Standard mean difference	1 pts
PND	50% ($p=0.17$)

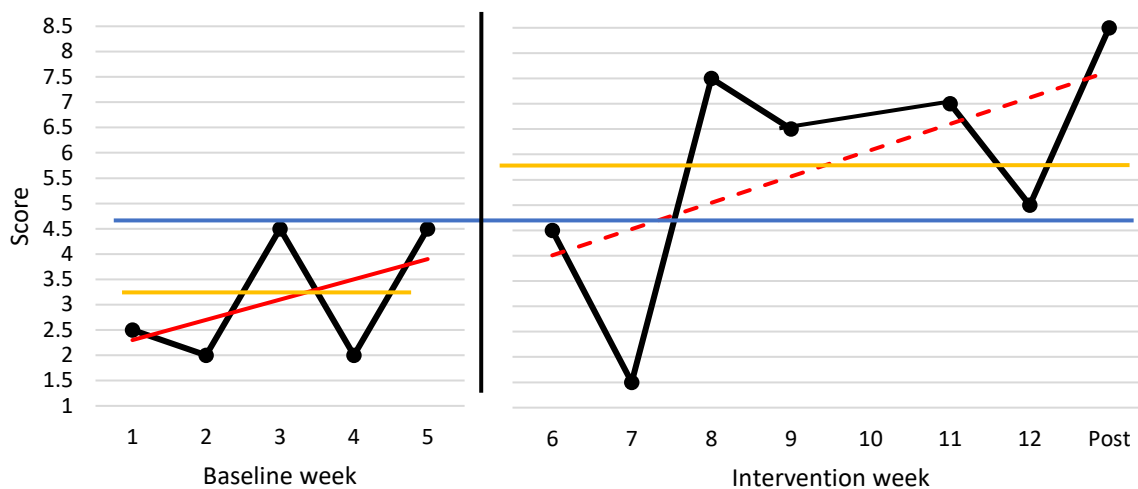
ADL 2



ADL	Tying shoelaces
PQRS improvement	1.5 pts
Standard mean difference	0.33 pts
PND	25% ($p=0.43$)

Participant 12

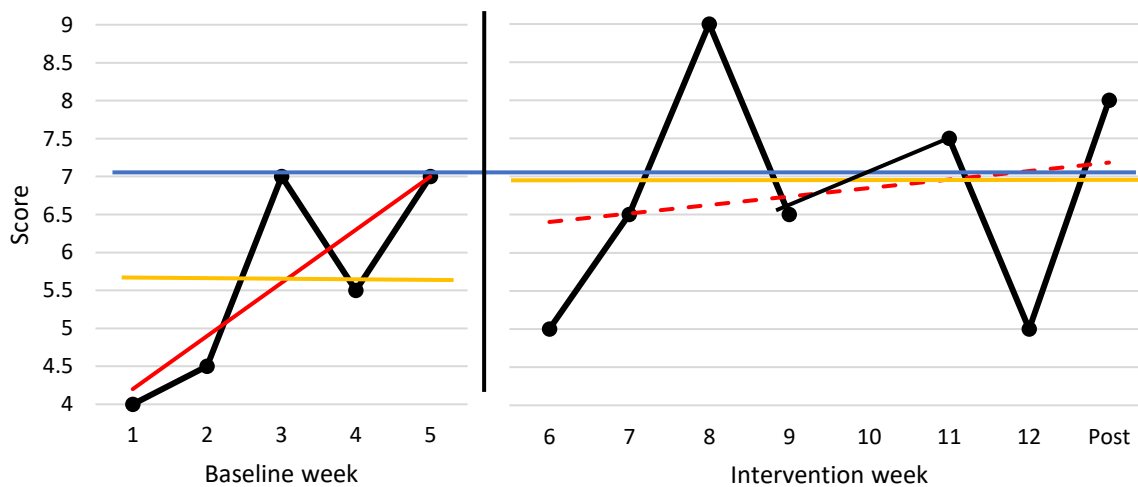
ADL 1



Missing data at intervention week 10.

ADL	Buttoning up the school shirt
PQRS improvement	4 pts
Standard mean difference	2.08 pts
PND	71.43% ($p=0.018$)

ADL 2

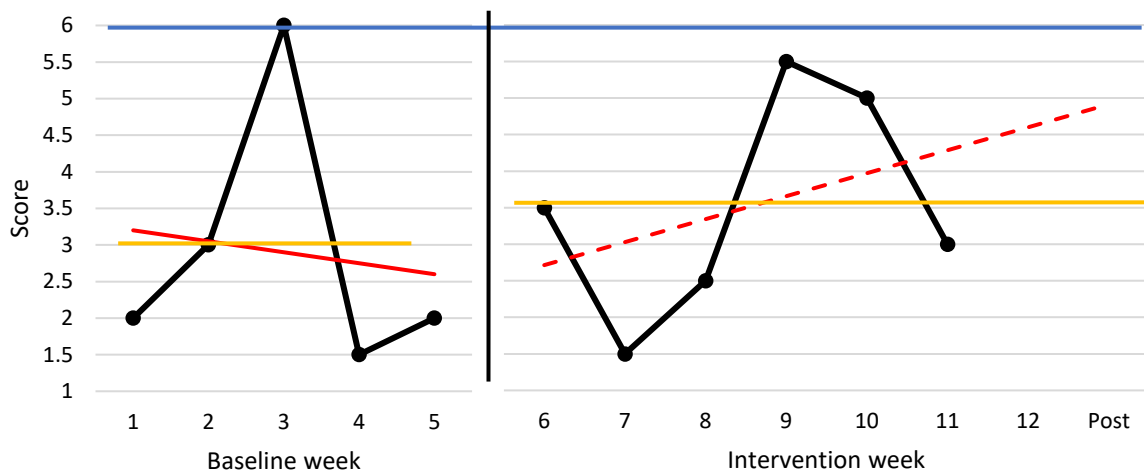


Missing data at intervention week 10.

ADL	Putting socks on
PQRS improvement	3.5 pts
Standard mean difference	2.25 pts
PND	42.86% ($p=0.12$)

Participant 13

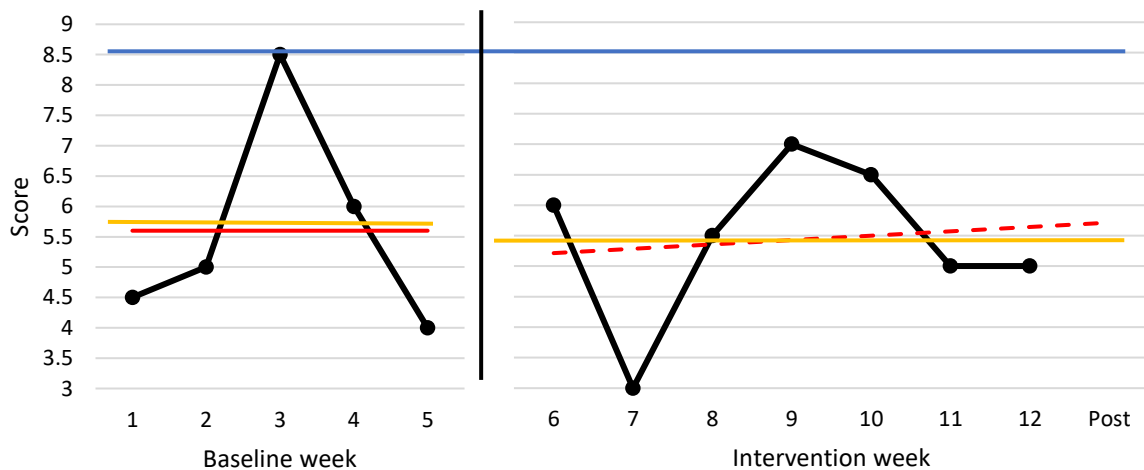
ADL 1



Missing data at intervention week 12 and post.

ADL	Cutting with knife and fork
PQRS improvement	0 pts
Standard mean difference	0.33 pts
PND	0% ($p=0.21$)

ADL 2

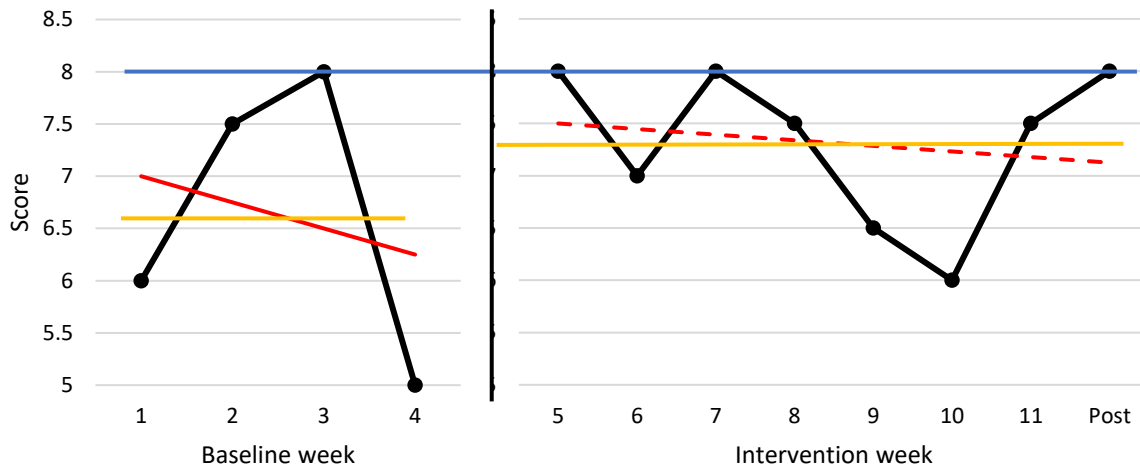


Missing data at post.

ADL	Taking out small items (with dominant hand) from a bag (while holding it with affected hand)
PQRS improvement	0 pts
Standard mean difference	-0.09 pts
PND	0% ($p=1$)

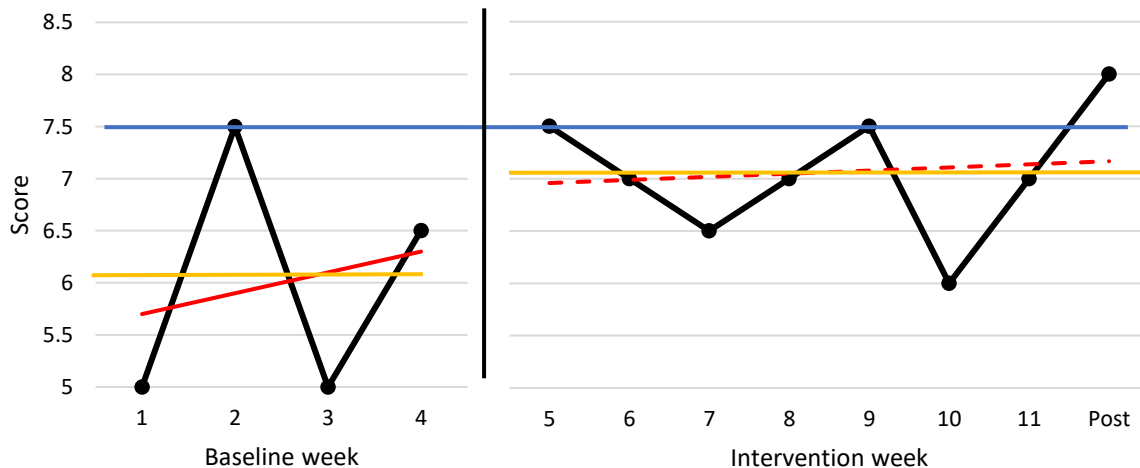
Participant 14

ADL 1



ADL	Cutting with knife and fork
PQRS improvement	0 pts
Standard mean difference	0.50 pts
PND	0% ($p=0.35$)

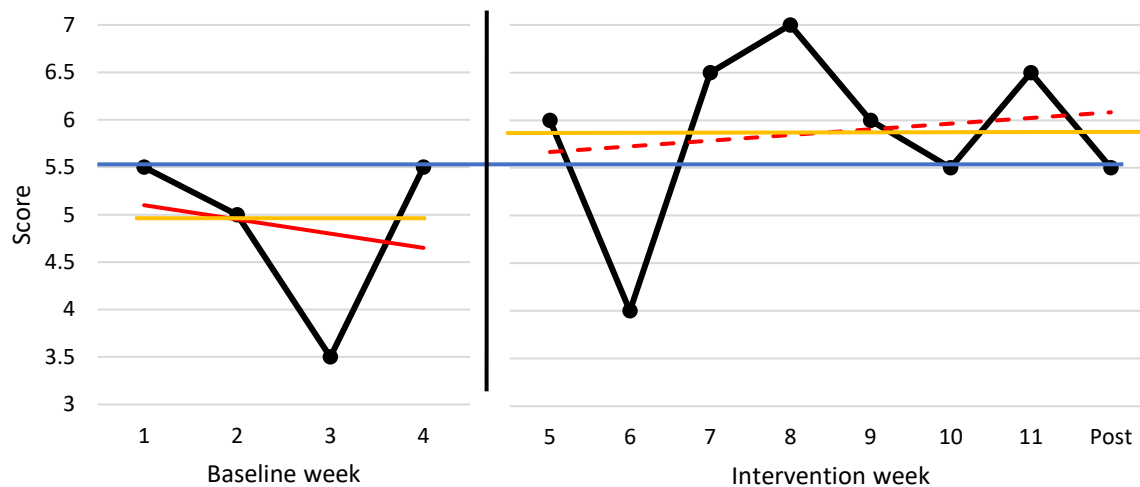
ADL 2



ADL	Folding a blouse
PQRS improvement	0.5 pts
Standard mean difference	0.87 pts
PND	12.50% ($p=0.54$)

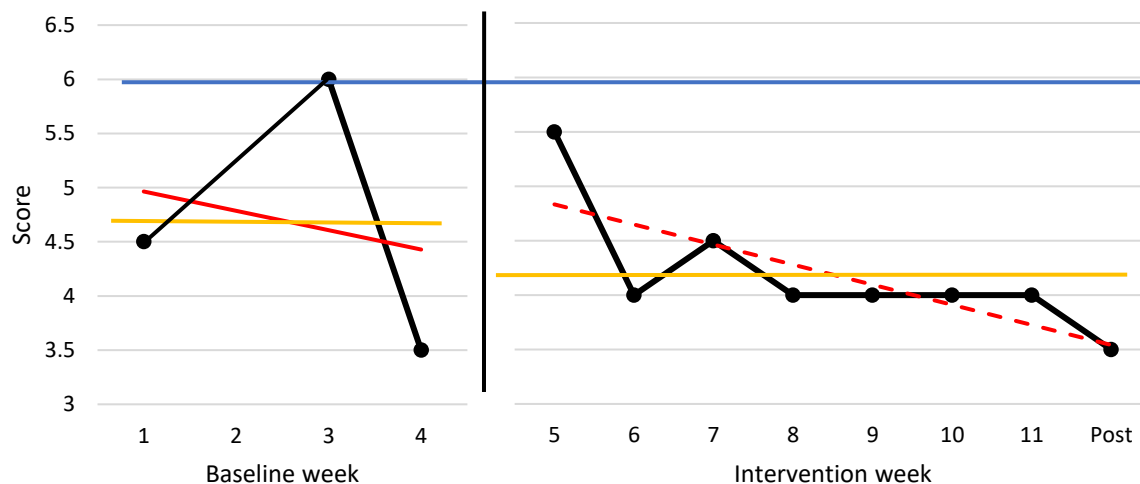
Participant 15

ADL 1



ADL	Putting on and buttoning up the school shirt
PQRS improvement	1.5 pts
Standard mean difference	1.06 pts
PND	50% ($p=0.11$)

ADL 2



Missing data at baseline week 2.

ADL	Putting on shoes
PQRS improvement	0 pts
Standard mean difference	-0.38 pts
PND	0% ($p=0.62$)

