**Evaluating the benefits of aphasia intervention delivered in virtual reality:**

**Results of a quasi-randomised study**

**Supplementary material: S3 File**

This supplement provides box plots of dependent variables’ scores across time for the immediate and waitlist control groups. The box plots show the median as a dark line; the box represents the 25-75 centiles, i.e. the interquartile range; and the lines the full range of scores.

**Figure A: Boxplot of CADL scores across time for immediate (n=10) and waitlist control (n=10) groups**



CADL: Communication Activities of Daily Living test scores

1: Week 1 (pre-therapy for immediate treatment group and pre-therapy 1 for waitlist control group)

2: Week 7 (post-therapy for immediate treatment group and pre-therapy 2 for waitlist control group)

3: Week 13 (maintenance for immediate treatment group and post-therapy for waitlist control group)

**Figure B: Boxplot of Verbal Fluency scores across time for immediate (n=10) and waitlist control (n=10) groups**



totname: Verbal Fluency scores

1: Week 1 (pre-therapy for immediate treatment group and pre-therapy 1 for waitlist control group)

2: Week 7 (post-therapy for immediate treatment group and pre-therapy 2 for waitlist control group)

3: Week 13 (maintenance for immediate treatment group and post-therapy for waitlist control group)

**Figure C: Boxplot of Conversation % content words scores across time for immediate (n=10) and waitlist control (n=10) groups**



percentC1: Conversation % of content words scores

T1: Week 1 (pre-therapy for immediate treatment group and pre-therapy 1 for waitlist control group)

T2: Week 7 (post-therapy for immediate treatment group and pre-therapy 2 for waitlist control group)

T3: Week 13 (maintenance for immediate treatment group and post-therapy for waitlist control group)

**Figure D: Boxplot of Conversation content words per turn scores across time for immediate (n=10) and waitlist control (n=10) groups**



CWperturn: Conversation content words per turn scores

T1: Week 1 (pre-therapy for immediate treatment group and pre-therapy 1 for waitlist control group)

T2: Week 7 (post-therapy for immediate treatment group and pre-therapy 2 for waitlist control group)

T3: Week 13 (maintenance for immediate treatment group and post-therapy for waitlist control group)

**Figure E: Boxplot of Narrative Words per minute scores across time for immediate (n=10) and waitlist control (n=9) groups**



narwdsmin: Narrative words per minute scores

1: Week 1 (pre-therapy for immediate treatment group and pre-therapy 1 for waitlist control group)

2: Week 7 (post-therapy for immediate treatment group and pre-therapy 2 for waitlist control group)

3: Week 13 (maintenance for immediate treatment group and post-therapy for waitlist control group)

**Figure F: Boxplot of Narrative Sentences scores across time for immediate (n=10) and waitlist control (n=9) groups**



sentut: Narrative sentences scores

1: Week 1 (pre-therapy for immediate treatment group and pre-therapy 1 for waitlist control group)

2: Week 7 (post-therapy for immediate treatment group and pre-therapy 2 for waitlist control group)

3: Week 13 (maintenance for immediate treatment group and post-therapy for waitlist control group)

**Figure G: Boxplot of CCRSA scores across time for immediate (n=10) and waitlist control (n=10) groups**



CCRSA: Communication Confidence Rating Scale for Aphasia scores

1: Week 1 (pre-therapy for immediate treatment group and pre-therapy 1 for waitlist control group)

2: Week 7 (post-therapy for immediate treatment group and pre-therapy 2 for waitlist control group)

3: Week 13 (maintenance for immediate treatment group and post-therapy for waitlist control group)

**Figure H: Boxplot of Friendship Scale scores across time for immediate (n=10) and waitlist control (n=10) groups**



Friendscale: Friendship Scale scores

1: Week 1 (pre-therapy for immediate treatment group and pre-therapy 1 for waitlist control group)

2: Week 7 (post-therapy for immediate treatment group and pre-therapy 2 for waitlist control group)

3: Week 13 (maintenance for immediate treatment group and post-therapy for waitlist control group)