

## Treatment of Underlying Forms (TUF)

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### Technology description

#### Short Description

Treatment of Underlying Forms (TUF) is a linguistically based therapy for improving sentence deficits in agrammatic aphasia. TUF focuses on non-canonical sentence structures and includes training for both sentence comprehension and production. For a sample of the test stimuli and response form, please see the sample file below.

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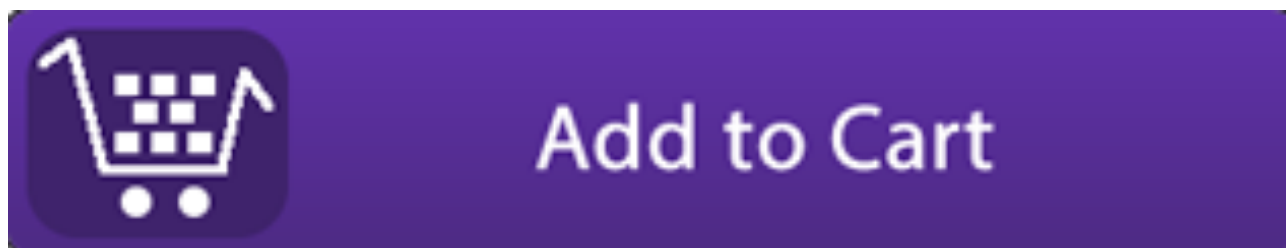
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- (1) Examiner's manual
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### Availability

Treatment of Underlying Forms (TUF) is available via a license from Northwestern University for research and clinical use.

TUF is offered as three separate package options:

#### TUF Treatment Materials

##### Examiner' s Manual

40 colored picture stimulus cards (20 reversible picture pairs)

3 sets of word cards (20 reversible sentences per set)

#### TUF Supplemental Materials

188 colored picture stimulus cards (29 reversible picture pairs + 65 non-reversible picture pairs)

3 sets of word cards (29 reversible sentences per set) + 1 set of word cards for 130 non-reversible sentences

#### TUF Treatment + Supplemental Materials

##### Examiner' s Manual

228 colored picture stimulus cards (49 reversible picture pairs and 65 non-reversible picture pairs)

3 sets of word cards (49 reversible sentences per set) + 1 set of word cards for 130 non-reversible sentences

Each package is also available as a digital download, which may be printed.

Payment by credit card can be made after agreeing to the TUF license agreement at checkout. For hard-copies: your order will be shipped within ten (10) days of payment confirmed by your credit card.

Please allow 5-7 days for delivery. For digital options: you will receive an access code with instructions for download after your payment has been confirmed.

What is TUF?

TUF was developed for use with individuals with agrammatic aphasia, a type of aphasia characterized by production of short, grammatically impoverished utterances, with frequent word-finding pauses.

TUF focuses on non-canonical sentence structures and incorporates training for both sentence production and comprehension. Importantly, treatment is based on the premise that training underlying, abstract properties of language facilitates generalization to untrained structures with similar linguistic properties, especially those of lesser linguistic complexity.

The TUF treatment materials consist of three treatment protocols for the training of: (1) Passive Sentences, (2) Object Cleft Sentences, and (3) Wh-questions. Within each structure are materials for training 20 reversible sentences with the use of reversible picture pairs and word cards needed to construct target sentences, as shown above.

The supplemental package includes materials for an additional 29 reversible sentences and 65 non-reversible sentences, as shown above. In conjunction with treatment, instructions for behavioral probes are included for tracking treatment progress and checking for generalization.

## Institution

[Northwestern University](#)

## Inventors

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## 联系我们



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