

# Trouble Source Repair (TSR) Coding

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# What is a Communication Breakdown?

- A miscommunication, misunderstanding of information, or a break in mutual understanding between communication partners.
- Caused by problems in speech production, expressive language structures, language processing, cognitive processes, hearing problems, word finding difficulties, memory problems, or attentional difficulties.

# What is a TSR Sequence?

- The attempts made by communication partners to resolve miscommunications or misunderstandings.



# Types of TSR Sequences

- Most Successful and Simple
- Successful and Simple
- Successful and Complex
- Unsuccessful and Simple
- Unsuccessful and Complex

<b>Success</b>	
<b>Successful</b> Result in continuation of the conversation on topic or a convention garnered movement to a related or new topic occurs	<b>Unsuccessful</b> Result in inappropriate trunk taking, a topic change, termination of the conversation, or a continuation on topic occurs
<b>Complexity</b>	
<b>Simple</b> 1 trouble source	<b>Complex</b> Multiple Trouble Sources
<b>Efficiency</b> Number of repairs initiators and repairs required	

# Unsuccessful and Simple

RIs and RPs do not resolve the single TS. The conversation may continue on topic or have an inappropriate topic change, turn taking, or termination.

W1 Yeah, sound/s like you/re a bit on the edge of qualify/ing though like> TS #1: Acceptability

W2 Oh, is that what she said? RI for TS#1: Request for confirmation

W1 Well she said that (y\* you barely qual\*) you qualify/ed but barely. RP for TS#1-Substitution

W1 I heard her say that <> when she walk/ed in here. RP for TS#1-Elaboration

W2 <Oh, I don't know>. {Shows that it is unsuccessful}

W2 Oh I did/n't hear her say that. {Shows that it is unsuccessful}

# Successful and Complex

Multiple RIs and RPs are required to resolve multiple TSs and allow the conversation to continue on topic.

M (Just go) just through the light/s and then> *TS #1 – Other: Abandoned*

; :02

W Through the light/s where? *RI for TS #1 – Request for clarification/specification*

M (Well) that/'s where their office was. *RP for TS #1 – Elaboration; acts as TS #2 – Discourse: Referencing issue*

M \*It was in that shopping centre, that little mall. *RP for TS #1 - Elaboration*

W What office? *RI for TS #2 – Request for clarification/specification*

W Serv\*~ *RI for TS #2 – Part word rising inflection cue*

M Service\_<Canada>. *RP for TS #2 – Elaboration*

W <Service>\_Canada, right.

M X.

W (Uh[FP]), yeah right.

# The Process

Transcripts: 166

Transcripts TSR Coded: 6

- Analyzing audio to identify communication breakdowns and TSR sequences
  - All transcripts are dual-coded due to the complexity of the data
- TSR codebook was developed using previous research but changes are made to adapt to this data
  - Tables are used to denote the efficiency of sequences
  - New codes have been implemented to more accurately reflect the data
    - Lack of Uptake code
- Take note of patterns that arise during analysis
  - Testing causes conversation breakdowns

## Next Steps

- Continue to code all transcripts
- Eventually compare to control group files
- Compare differences in conversation breakdowns in relation to
  - Relationship of care partners (spousal vs child/parent)
  - Caregiver burden
  - Type of cognitive impairment



**Thank you!**