

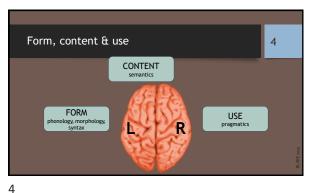
Overview of presentation

Language & Communication
Definition of apragmatism
Description of production and comprehension deficits
Social cognition impacts on communication
Theory of mind, empathy, humor
Impact on social engagement

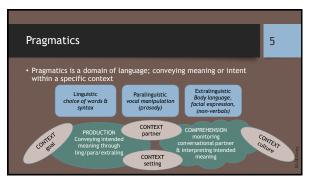
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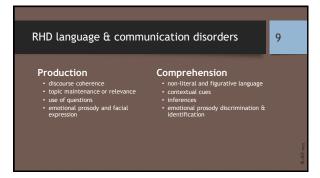
Pragmatics

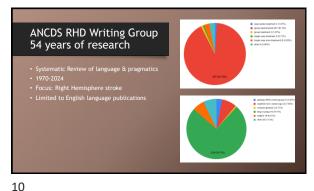
• How do you change how you communicate
• Words, grammar, content, etc.
• Prosody & tone of voice
• Non-verbals
• To different people?
• In different settings?
• For different purposes?

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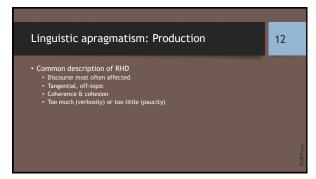






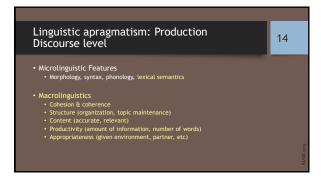


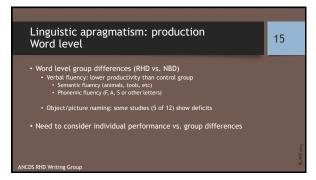




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Linguistic apragmatism: production
Sentence level

• Sentence level group differences (RHD vs. NBD)

• Sentence anagram tasks: consistently poorer than control group

• re-order words into syntactically correct sentence

• Create a sentence given 3-4 words'

• Scenario tasks: consistently poorer than control group

• Create a response based on scenario

• What would the character say next?

• Produce an Indirect response

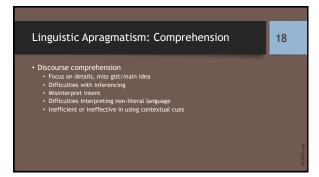
• What is your reaction to the scenario?

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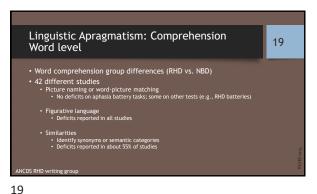
Linguistic apragmatism: Production
Discourse level

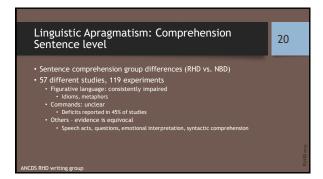
• Lots of different genres
• Narrative, descriptive, autobiographical, conversation, procedural, etc.
• Lots of different tasks
• Picture description, story retelling, interviews, spontaneous, etc.

• Key findings from 52 studies reporting on over 240 variables
• Macrostructure affected more than microstructure
• Coherence & cohesion often affected
• Deficits commonly seen in conversation & descriptive tasks



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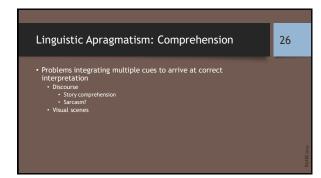


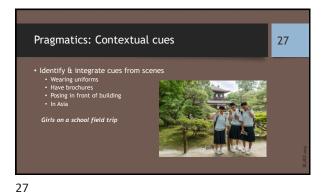












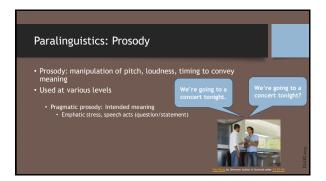


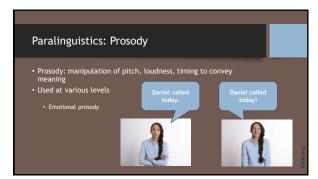
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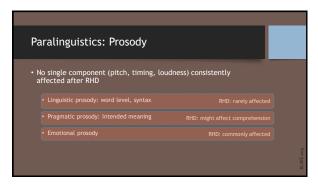


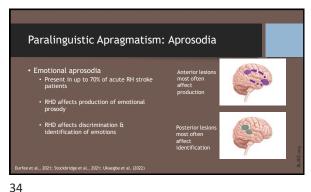


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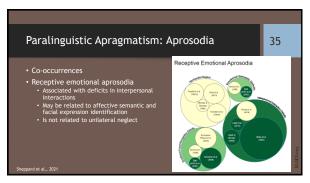






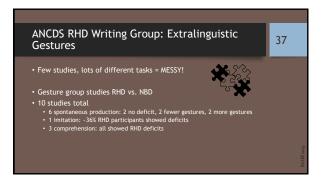


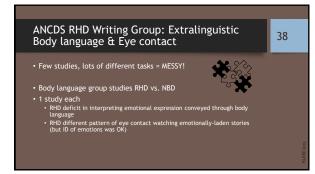
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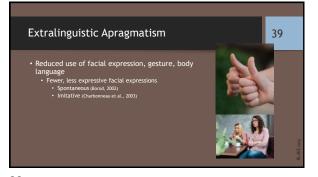




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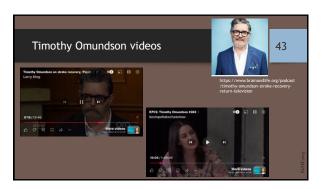


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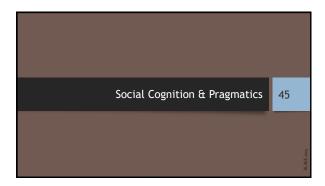


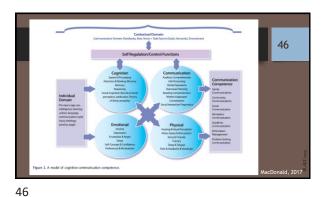


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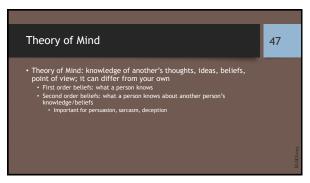


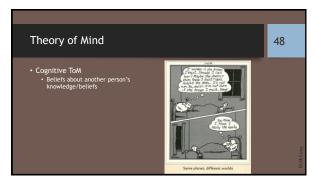




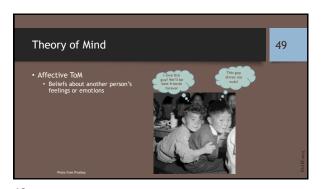


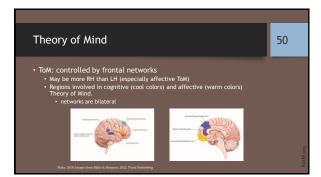
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Theory of Mind and acute stroke

• Acute stroke (tested within 72 hours)

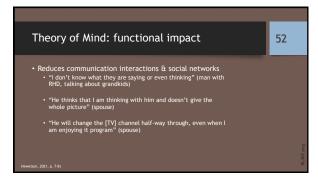
• Theory of Mind video task

• Person puts object in box, observer leaves room, boxes switched

• Question: where is the object?

• Results

• 54% of participants had ToM deficit



51 52

Empathy

• Empathy: extension of emotion & ToM

• Make inferences about another's emotional state

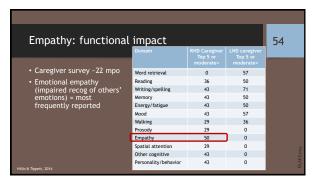
• Cognitive empathy: understanding another's emotions

• Affective empathy: feeling/sharing another's emotions

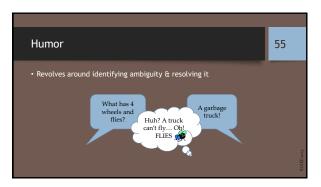
• Large bilateral network for empathy; overlaps with ToM network

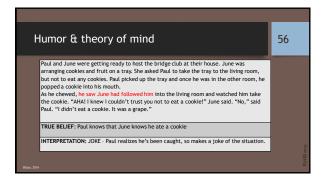
• LH - more involved in cognitive

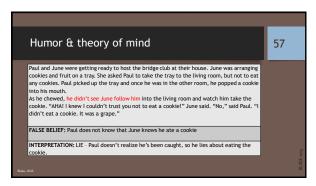
• RH - more involved in affective



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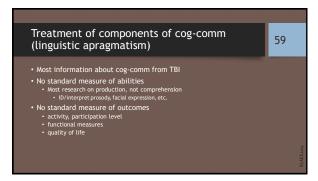








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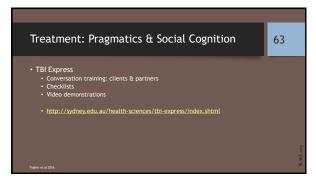


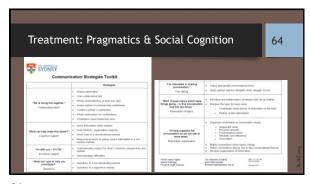


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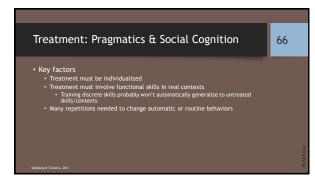




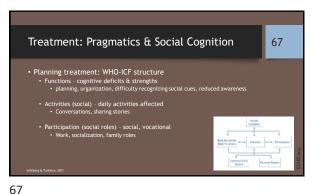


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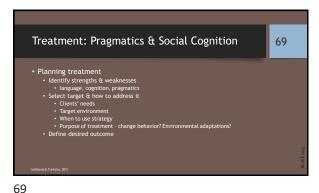


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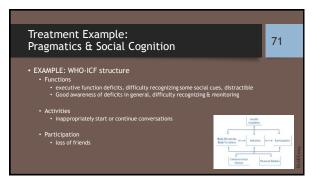
Treatment: Pragmatics & Social Cognition 68 Planning treatment: WHO-ICF structure
 Environmental - external factors that help/hinde
 access to social activities or people Personal - internal factors that help or hinder
 Pre-morbid personality, presence of depression, pre-morbid intelligence

68



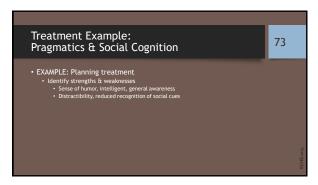
Treatment: Pragmatics & Social Cognition 70 Methods
Recognition of target behavior
Verbal, video
Identify contexts in which it occurs; triggers
Teach social rules & provide practice using them
Metacognitive strategies
WTC (what, strategy, try, check) Fade cues
 Variable practice (people, contexts, situations)

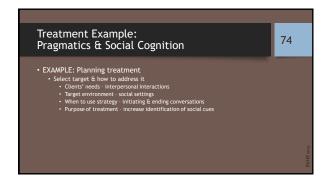
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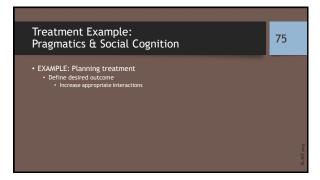


Treatment Example: 72 Pragmatics & Social Cognition • EXAMPLE: WHO-ICF structure Environmental
 Ives with spouse & 3 teen children (family style = commonly interrupt) Personal
 55 years old, previously very social, frustrated that intelligence is masked by deficits

71 72



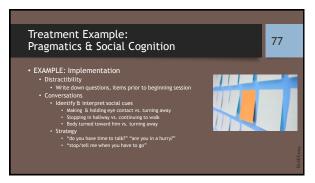


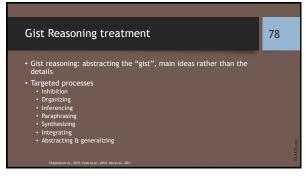


Treatment Example:
Pragmatics & Social Cognition

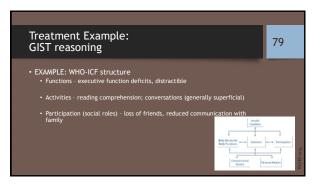
• What treatment activities,
goals, tasks could you use
for this client?

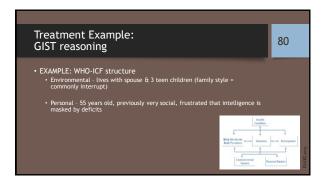
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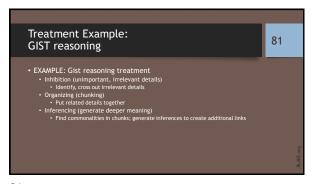


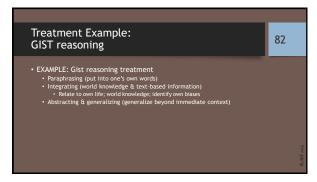


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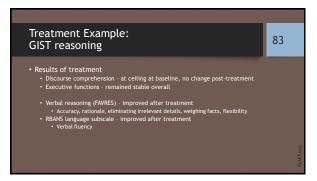


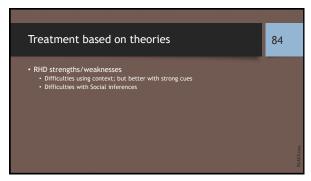




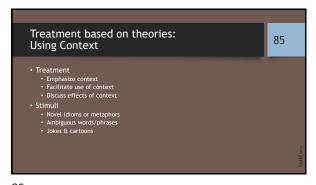


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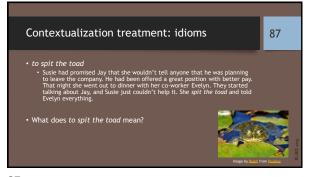


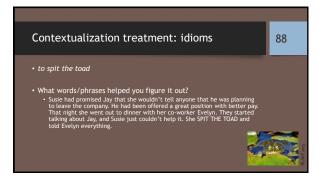


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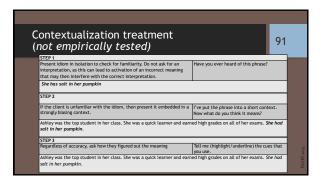


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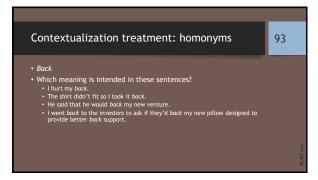


Contextualization treatment: homonyms

• Back

• Tell me all the meanings you can think of for the word back

91 92



Contextualization treatment: homonyms

Back

Mich words in each sentence led you to the right meaning?

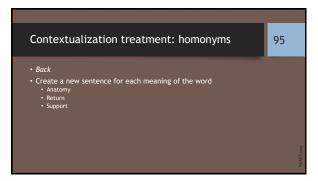
I hurt my back.

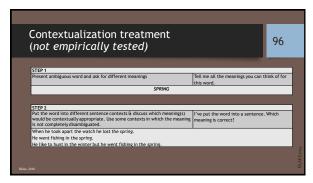
The shirt didn't fit so I took it back.

He said that he would back my new venture.

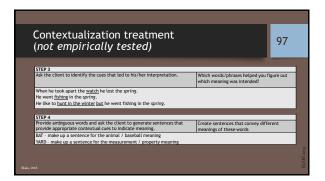
I went back to the investors to ask if they'd back my new pillow designed to provide better back support.

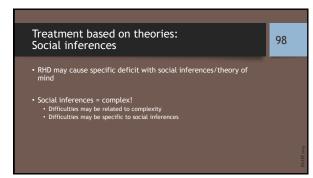
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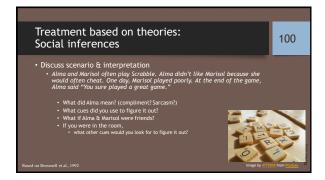


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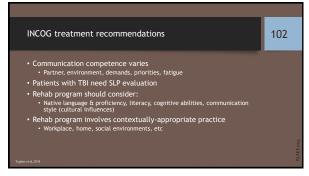




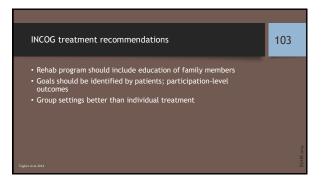


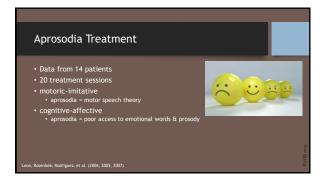
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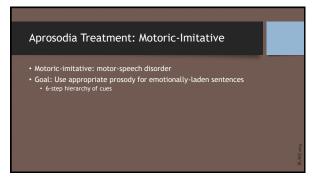




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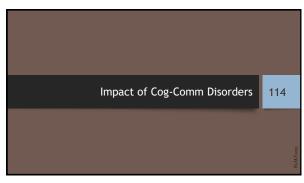






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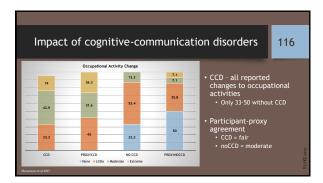
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Impact of cognitive-communication disorders

• Changes related to RH stroke
• Occupational activities
• Interpersonal relationships
• Independent living
• Questionnaire for participants & proxies
• SLP eval for CCD
• Lexical semantics, discourse, pragmatics
& prosody

• Lexical semantics, discourse, pragmatics

• Type of Unique in out of the Superior area US-2 formers a cognitive proper with proper with participants and providers area under the purpose with the proper with proper with participants and providers area under the purpose with the p



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Impact of cognitive-communication disorders

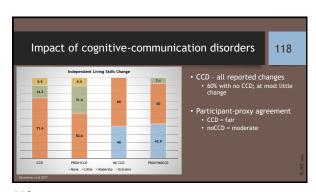
Interpersonal Relationship
Change

CCD - 77% reported changes to relationships
only 40% with no CCD; at most little change

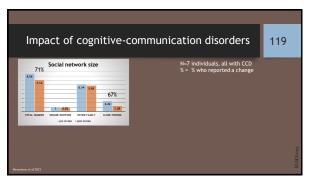
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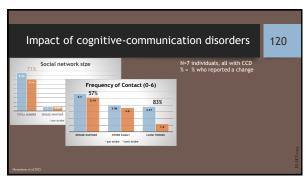
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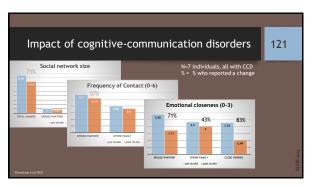


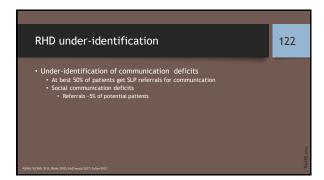
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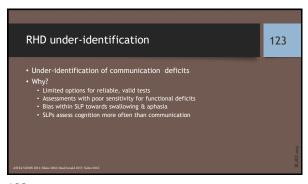


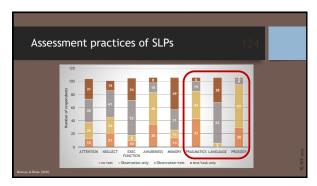


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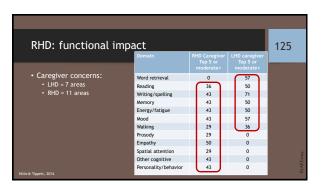








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