\*\*SOAP Note for Patient M.A.: AI-Assisted Communication Strategies Session\*\*  
  
\*\*Date:\*\* 08-08-2024   
\*\*Session Type:\*\* Individual Training and Needs Assessment   
  
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\*\*Subjective:\*\*   
- \*\*Chief Complaint (CC):\*\* Client seeks to refine AI-generated speech prompts for clarity when interacting with Alexa.   
- \*\*History of Present Illness (HPI):\*\*   
 - Patient M.A., male, has been using Alexa for various daily tasks, including reminders and assembling medication lists. The current focus is on enhancing communication efficiency and clarity with AI tools.   
 - The patient successfully added reminder prompts for medication by refining them with specific terms such as "daily" to ensure consistent execution.   
 - Instances include the omission of wake words in 2/5 interactions, leading to unrecognized commands by Alexa. The use of filler words was noted in 10% of sessions when engaging with the device.   
- \*\*Review of Systems (ROS):\*\*   
 - Language and Cognition: Struggles with balancing prompt speed and clarity, impacting the effectiveness of verbal queries to AI.   
 - Technological Adaptation: Challenges persist in maintaining precision in constructed AI commands, particularly around medication listings and event scheduling.  
  
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\*\*Objective:\*\*   
- \*\*Speech Disfluency Metrics:\*\*   
 - Wake words omitted in 2/5 interactions.   
 - Filler words used in 10% of utterances during AI tasks.   
- \*\*AI Tool Engagement:\*\*   
 - Revised prompt from "Add medicine" to "Add Trazodone to my medicine list," resulting in successful list creation.   
 - Demonstrated ability to schedule new events with minimal verbal assistance, showing improvement in command construction.   
- \*\*Therapeutic Observations:\*\*   
 - Patient demonstrated improved initiative in self-muting and unmuting Alexa, showing increased control in interactive sessions.   
 - Required less prompting when refining search-related commands, indicating growing understanding of AI interactions.  
  
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\*\*Assessment:\*\*   
- \*\*Problem:\*\* Patient's speech disfluency, particularly omission of critical terms, affects the efficacy of AI tool engagements, resulting in error-prone interactions.   
- \*\*Differential Diagnosis:\*\*   
 - Potential overreliance on AI defaults leading to generic responses.   
 - Difficulty in ensuring prompt specificity and clarity, contributing to miscommunications.   
- \*\*Discussion:\*\* Patient's verbal hesitations and filler words diminish the precision of responses received from AI devices such as Alexa, impacting adherence to task goals.  
  
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\*\*Plan:\*\*   
- \*\*Skill-Building Interventions:\*\*   
 - Implement practice sessions using visual templates to construct effective prompts with Alexa.   
 - Utilize Alexa's voice recognition feature to rehearse structured, clear queries.   
 - Introduce a 2-minute timer during sessions for prompt revision to increase awareness of clarity.   
- \*\*Therapeutic Goals:\*\*   
 - Aim to increase clarity and accuracy in AI-generated commands by 20% within four weeks.   
 - Reduce the occurrence of filler words in 80% of AI-related utterances to enhance communication efficacy.   
- \*\*Client Education:\*\*   
 - Educate on utilizing Alexa’s 'flash briefing' feature for efficient news retrieval.   
 - Provide checklist emphasizing specificity and context for refining AI prompts.  
  
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\*\*Issues of Concern:\*\*   
- Client's dependency on Alexa’s default configurations often leads to insufficient or erroneous feedback.   
- Need for balanced AI assistance with manual verification to ensure accuracy of information, such as verifying news and updates independently.   
  
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\*\*Clinical Significance:\*\*   
- Integration of AI in therapy has directly supported improved communication effectiveness, with enhanced specificity in prompts correlating with faster task completion times (15% increase noted).   
- Supports a dynamic approach to leveraging AI as a tool for augmenting therapeutic outcomes, making documentation a pivotal part of ongoing progress assessment.   
  
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\*\*Next Review:\*\* Scheduled in four weeks to evaluate progress in clarity and accuracy of speech prompting using AI tools.