



**CONFIDENTIAL**

**University of Nevada, Reno Speech and Hearing Clinic  
Summary of Progress – Summer 2017**

<b>Date of Report:</b> 8/4/17	
<b>Name:</b> Zachary Holm	<b>Parent/Spouse:</b> Sara Holm
<b>Address:</b> PO Box 4501, Incline Village, NV 89450	<b>Telephone:</b> (775) 621-0955
<b>DOB:</b> 3/1/1972	<b>Alternate Telephone:</b> n/a
<b>Age:</b> 45	<b>Referred By:</b> Emily Smith, M.D.
<b>SLP:</b> Tami Brancamp, Ph.D. CCC-SLP	<b>Clinician:</b> Elizabeth Hodgdon, B.A.
✓ <b>ICD-10 Code(s):</b> I69.320 Aphasia following cerebral infarction, I69.390 Apraxia following cerebral infarction	✓ <b>CPT Code:</b> 92507
✓ <b>Dates of Service:</b> 6/22/17, 6/27/17, 6/28/17, 7/6/17, 7/11/17, 7/13/17, 7/18/17, 7/20/17, 7/25/17, 7/27/17, 8/1/17, 8/3/17	

**Current Status:**

Zachary Holm is a 45 year old male who has been attending UNR's Speech and Hearing Clinic for speech therapy from 4/28/17 to the present. This is his 4<sup>th</sup> therapy term at UNR. Mr. Holm presents with nonfluent aphasia, anomia, and severe apraxia of speech (AoS) following a cerebral infarction. Writing is a relative strength for Mr. Holm and he often utilizes writing both in and out of therapy when his apraxia makes pronouncing a word more challenging. Mr. Holm continues to work as the manager and owner of his contracting company. Therapy this sessions focused mostly on activities and therapies that would be most functional in Mr. Holm's active lifestyle and career.

**Summary of Progress:**

**Goal 1:** Client will increase overall speech intelligibility

**Objective 1:** Client will orally read singular English phonemes with 80% accuracy independently.

**Baseline:** Client read 16/23 (69%) of singular English phonemes independently.

**Approaches/Strategies Used:** Lindamood phoneme cards were utilized each meeting time at the beginning of the therapy sessions. When Mr. Holm showed difficulties, he would be given directions on how to make the sound, or a gestural cue. If he still presented with difficulties, he would be given the phoneme verbally to imitate.

**Progress/Final Data:** Client correctly read 20/23 (87%) of English phonemes independently. The phonemes that he had difficulty reading were "w", "ch", and "l".

**Met/Not Met, Continue:** Objective met. Mr. Holm has made considerable improvements in his ability to identify and pronounce phonemes. This skill has improved his reading skills and will aid in meeting future goals targeting his apraxia. It is recommended that Mr. Holm continues to practice phoneme production in the next treatment period.

**Objective 2:** Client will orally read functionally relevant names and words with 80% accuracy independently.

**Baseline:** Client read 17/26 (65%) of functionally relevant words independently.

**Approaches/Strategies Used:** Client reviewed functionally relevant words and names every meeting in therapy. Client wrote down words that are common in his life or that he has noticed are a struggle and brought them to therapy to work on. These words were added to his list, while ones that he mastered were taken off of the list.

**Progress/Final Data:** Client correctly read 24/34 (71%) of functionally relevant words and names independently. In the following session, client correctly read 7/12 (58%) of the previously missed names and words, meaning over the course of 2 consecutive sessions, client correctly read 31/34 (91%) of these words accurately. His ability to easily name over half of the words that he had missed two days previously indicates the high variability in Mr. Holm's apraxia from day to day.

**Met/Not Met, Continue:** Objective partially met. Mr. Holm worked diligently on the correct production of his functional words/names as homework each day. He was observed to use these words often, including in his descriptions during CUI data collection. Future objectives should focus on new functionally relevant words, as he has mastered many of the words that were targeted over the course of the summer therapy term.

The following approaches/strategies were used for Objectives 3 - 6: Sound Production Therapy was utilized. Client was also given the initial phoneme or a sentence completion cue when he needed minimal clinician support.

**Objective 3:** Client will orally read single syllable words with initial stops /d/ in a variety of phonetic contexts with 60% accuracy by his 2nd attempt with minimal clinician support.

**Baseline:** Client read syllables with initial stops /d/ in a variety of phonetic contexts with 1/5 (20%) accuracy independently.

**Progress/Final Data:** Client correctly read 22/42 (52%) of single syllable words with initial stops /d/ in a variety of phonetic contexts by his 2nd attempt with minimal clinician support.

**Met/Not Met, Continue:** Objective partially met. With initial phoneme cues, client more easily read the single syllable words. Therapy should continue to concentrate on sound production therapy to aid in Mr. Holm's difficulties in motor speech planning.

**Objective 4:** Client will orally read single syllable words with initial stops /k/ in a variety of phonetic contexts by his 2nd attempt with 60% accuracy and minimal clinician support.

**Baseline:** Client orally read syllables with initial stops /k/ in a variety of phonetic contexts with 1/5 (20%) accuracy independently.

**Progress/Final Data:** Client orally read single syllable words with initial stops /k/ in a variety of phonetic context by his 2nd attempt with 19/28 (68%) accuracy. Mr. Holm's imitated the clinician's productions with 100% accuracy.

**Met/Not Met, Continue:** Objective met. Future objective should continue to target sounds that are most difficult for Mr. Holm to produce, including initial /k/ words. Difficulty could be increased by practicing words with alternating initial sounds.

**Objective 5:** Client will orally read single syllable words with initial stops /g/ in a variety of phonetic contexts with 60% accuracy and minimal clinician support.

**Baseline:** Client read CVC syllables with initial stops /g/ in a variety of phonetic contexts with 1/5 (20%) accuracy independently.

**Progress/Final Data:** Client orally read single syllable words with initial stops /g/ in a variety of phonetic contexts with 13/26 (50%) accuracy and minimal clinician support.

**Met/Not Met, Continue:** Objective partially met. Given more time to concentrate on this objective, Mr. Holm will continue to make progress in his ability to produce difficult sound combinations within

words. The reading component to this objective adds another layer of difficulty. With 1:1 imitation tasks, client correctly imitated 23/16 (88%) of the single syllable words. Future objectives should focus on both extensive repetitions of correct pronunciations as well as a reading component.

**Objective 6:** Client will orally read single syllable words with initial liquids /r/ in a variety of phonetic contexts with 70% accuracy and minimal clinician support.

**Baseline:** Client read CVC syllables with initial liquid /r/ in a variety of phonetic contexts with 2/5 (40%) accuracy independently.

**Progress/Final Data:** Client orally read single syllable words with initial liquids /r/ in a variety of phonetic contexts with 27/32 (84%) accuracy with minimal clinician support in the form of phonemic cues. Clint obtained 21/32 (66%) accuracy with no clinician support.

**Met/Not Met, Continue:** Objective met. Sound Production Therapy should continue to be utilized to target Mr. Holm's apraxia of speech. Initial /r/ phonemes continue to be difficult for Mr. Holm, but he has made significant progress. Future objective should focus on the correct production of initial /r/ words with a decrease in clinician support.

**Goal 2:** Client will increase expressive language

**Objective 1:** Client will increase CIUs to an average of 60% in discourse with no clinician support.

**Baseline:** 53% CIUs

**Approaches/Strategies Used:** CAAST and VNeST therapy were used in the beginning of the treatment period to target the correct production of canonical sentences (subject + verb + object). Sound production therapy was used to target the correct pronunciation of words within sentences.

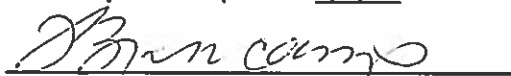
**Progress/Final Data:** Mr. Holm accomplished an average %CIU of 54% during final data collection. An average of Mr. Holm's description of a single picture, a series of pictures, and answers to "Tell me where you live and describe it to me", and "tell me how you would go about making a sandwich". Mr. Holm showed a wide variability in his ability to convey meaning with his lowest %CIU being 31% and his highest being 80%. His lowest %CIU was his description of how to make a sandwich, and his highest was a description of his home.

**Met/Not Met, Continue:** Objective partially met. Mr. Holm achieved a much higher percentage of correct information units when talking about his home. His description included words that were worked on during therapy (functional word list), suggesting that continued practice of common words in Mr. Holm's life will increase his ability to convey meaning in conversation.

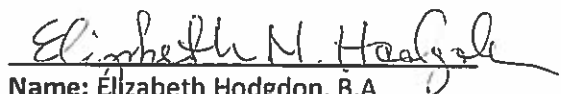
**Recommendations:**

Mr. Holm requests that he come to therapy 4 days per week during the next treatment period. He has made significant progress since beginning therapy at UNR, but would benefit from a more intensive treatment program. Treatment goals should focus on both his language and motor speech difficulties. Mr. Holm requests to continue working on functional words, sentence configuration, speech sound production, and prepositions.

**Date Report Completed:** 8/4/17



**Name:** Tami Brancamp, M.S. CCC-SLP  
**Speech-Language Pathologist/Supervisor**



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**Graduate Student Clinician**

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