ASHA NOMS

SLP Healthcare Registry 2020

Treatment Taxonomy

Cognition (18+) Treatment Aims and Targets

Aim 1: Improved Orientation

- ☐ Establishing orientation to self
- ☐ Establishing orientation to others
- ☐ Establishing orientation to location/date/time

Aim 2: Increased Attention

- ☐ Establishing attention
- ☐ Increased capacity for maintaining attention
- ☐ Increased capacity for selective attention
- ☐ Increased capacity for divided attention
- ☐ Increased capacity for alternating attention
- ☐ Increased frequency of self-regulated use of external stimuli for attention
- ☐ Increased frequency of self-regulated use of internal stimuli/strategies for attention

Aim 3: Improved Memory

- ☐ Increased capacity for encoding/retrieval
- ☐ Increased working memory
- ☐ Increased immediate memory
- ☐ Increased short-term memory
- ☐ Increased long-term memory
- ☐ Increased prospective memory
- ☐ Increased frequency of self-regulated use of external stimuli for memory
- ☐ Increased frequency of self-regulated use of internal stimuli/strategies for memory

Aim 4: Improved Executive Functioning

- ☐ Increased capacity for goal setting
- ☐ Increased capacity for planning
- ☐ Increased capacity for implementation of plan
- ☐ Increased capacity for monitoring
- ☐ Increased capacity for problem solving/reasoning
- ☐ Increased capacity for organization/sequencing
- ☐ Increased capacity for self-regulation

Aim 5: Improved Awareness and Performance

- ☐ Increased safety awareness/insight
- ☐ Increased deficit awareness

- ☐ Increased processing speed
- ☐ Increased cognitive endurance

Speech Intelligibility (ages 18+) Treatment Aims and Targets

Aim 1: Increased Intelligibility

- ☐ Increased respiratory support for speech
- ☐ Increased strength of articulators
- ☐ Increased accuracy of articulation
- ☐ Increased accuracy of error perception
- ☐ Increased loudness
- ☐ Decreased rate
- ☐ Improved velopharyngeal function for speech
- ☐ Improved posture for speech
- ☐ Improved caregiver listening skills
- ☐ Increased intelligibility in adverse listening/speaking situations
- ☐ Increased use of compensatory or speech-facilitation strategies
- ☐ Increased use of self-monitoring skills

Aim 2: Increased Comprehensibility

- ☐ Increased comprehensible words/messages per minute
- ☐ Increased use of supplementary strategies
- ☐ Increased comprehensibility in adverse listening/speaking situations

Aim 3: Increased Efficiency

- ☐ Maximized breath groups
- ☐ Increased intelligible words/units of meaning per minute
- ☐ Improved communication repair strategies
- ☐ Increased use of alerting signals
- ☐ Increased speech fluency
- ☐ Increased speech initiations

Aim 4: Increased Naturalness

- ☐ Improved loudness control and loudness variation
- ☐ Increased pitch variability
- ☐ Improved velopharyngeal function
- ☐ Improved use/control of prosody
- ☐ Improved rate control

Spoken Language Comprehension (18+) Treatment Aims and Targets

Aim 1: Increased Auditory Comprehension

- ☐ Increased use of written modality to facilitate auditory comprehension
- ☐ Increased comprehension and inferencing of implicit information
- ☐ Increased ability to make semantic associations
- ☐ Increased use of visual stimuli to support comprehension
- ☐ Increased use of semantic associations to support comprehension
- ☐ Increased comprehension of syntax in subject-verb-object sentences
- ☐ Increased comprehension of syntax in passive sentences
- ☐ Increased comprehension of syntax in complex sentences (e.g., object-cleft)
- ☐ Increased comprehension of narrative discourse
- ☐ Increased comprehension of prosodic intent and emotional tone

Aim 2: Increased Comprehension-Monitoring of Spoken Language

- ☐ Increased recognition of the internal signs or feeling of comprehension breakdowns
- ☐ Increased recognition of nonverbal signals that there is a communication breakdown
- ☐ Increased requesting of clarifications or modifications (e.g., slow rate, speak up)

Spoken Language Expression (ages 18+) Treatment Aims and Targets

Aim 1: Increased Use of Expressive Language for Communication

- ☐ Improved use of semantic concepts and lexical retrieval
- ☐ Improved use of syntactic sentence structures
- ☐ Improved use of grammatical morphemes
- ☐ Improved phonology
- ☐ Increased quantity of output
- ☐ Improved conversation/discourse abilities

Aim 2: Expressive Language Efficiency

- ☐ Increased rate
- ☐ Increased content over time (information units per minute)
- ☐ Decreased perseverations

Swallowing (ages 18+) Treatment Aims and Targets

Aim 1: Improved Airway Protection

- ☐ Increased area of vocal fold contact
- ☐ Increased tightness of vocal fold adduction closure during swallow
- ☐ Increased duration of laryngeal closure during swallowing
- ☐ Earlier onset of upper airway closure in relation to bolus position
- ☐ Earlier initiation of pharyngeal response in relation to bolus entry into pharynx
- ☐ Increased percentage of swallows followed by post-swallow expiration
- ☐ Increased epiglottic inversion
- ☐ Improved oral hygiene

Aim 2: Increased Percentage of Bolus Entering Digestive System

- ☐ Prolonged duration of UES opening during swallow
- ☐ Increased traction forces on anterior UES during pharyngeal phase of swallow
- ☐ Increased diameter of UES opening during the pharyngeal swallow
- ☐ Increased compliance of UES during swallowing
- ☐ Decreased pharyngeal residue

Aim 3: Increased Bolus Propulsive Forces

- ☐ Increased contractile strength of tongue
- ☐ Increased lingual propulsive force during swallow
- ☐ Increased propulsion force of pharyngeal constrictors
- ☐ Decreased loss of intrabolus pressure to velopharyngeal incompetence

Aim 4: Increased Oral Efficiency

- ☐ Increased anterior oral containment
- ☐ Increased posterior oral containment
- ☐ Increased strength of lip closure
- ☐ Increased integrity of posterior oral linguavelar/linguapalatal valve during oral preparatory stage
- ☐ Decreased oral residue
- ☐ Exploitation of gravity to increase control of oral contents

Aim 5: Improved Respiratory-Swallow Coordination & Pulmonary-Swallow Interaction

- ☐ Increased lung volume present at swallow onset
- ☐ Increased post-swallow expiratory/cough pressure
- ☐ Increased speed of onset of post-swallow cough

Aim 6: Improved Functional Swallow Endurance

- ☐ Increased oral intake

Voice (ages 18+) Treatment Aims and Targets

Aim 1: Improved Posture/Alignment

- ☐ Improved shoulder and neck alignment
- ☐ Improved chin posture
- ☐ Improved atlanto-occipital alignment

Aim 2: Modify Vocal and Musculoskeletal Effort

- ☐ Widen thyrohyoid space at rest
- ☐ Increased lateral cartilage movement at rest
- ☐ Increased lateral hyoid bone movement at rest
- ☐ Lowered thyroid cartilage at rest
- ☐ Lowered position of hyoid bone at rest
- ☐ Decreased resting tension of neck, tongue, orofacial or postural muscles
- ☐ Increased strength of true vocal fold abduction/adduction
- ☐ Increased range of motion of true vocal fold abduction/adduction
- ☐ Decreased fatigue over exercise
- ☐ Maintain widened thyrohyoid space during voicing
- ☐ Maintain lower thyroid cartilage or hyoid bone during voicing
- ☐ Decreased strained vocal quality
- ☐ Increased loudness range
- ☐ Increased pitch range
- ☐ Modify habitual pitch
- ☐ Modify habitual loudness
- ☐ Increased duration of voicing

Aim 3: Improved Source-Related Voice Quality

- ☐ Decreased breathiness
- ☐ Decreased roughness
- ☐ Decreased strain
- ☐ Modify breathiness in volitional voicing tasks
- ☐ Modify roughness in volitional voicing tasks
- ☐ Modify strain in volitional voicing tasks
- ☐ Decreased roughness or breathiness in skilled voicing tasks

Aim 4: Improved Resonance

- ☐ Increased strength of the velopharyngeal port
- ☐ Modify nasality
- ☐ Modify placement

Aim 5: Improved Respiratory Function/Respiratory-Voicing Coordination

- ☐ Increased strength of respiratory muscles
- ☐ Increased respiratory control
- ☐ Modify voicing onset
- ☐ Modify respiratory support
- ☐ Modify breathing pattern

Aim 6: Improved Naturalness or Prosody

- ☐ Improved intonation (pitch and loudness)
- ☐ Improved rhythm of speech-related activities (stress and breathing patterns)
- ☐ Improved rate (syllables or repetitions per time period)

Aim 7: Decreased Pain, Soreness, Discomfort/Improve Vocal Health

- ☐ Improved vocal conservation
- ☐ Modify lifestyle (e.g., decrease smoking, manage reflux)
- ☐ Reduced pain, soreness, or discomfort at rest
- ☐ Reduced pain, discomfort, soreness during voicing
- ☐ Increased knowledge and/or affect related to vocal health