



# **2025 Evolut Clinical Guidelines for Medical Necessity Review**

**PHYSICAL MEDICINE GUIDELINES**

**Effective July 1, 2025 – July 1, 2026**

# Guidelines for Clinical Review Determination

## **Preamble**

Evolent is committed to the philosophy of supporting safe and effective treatment for patients. The medical necessity criteria that follow are guidelines for the provision of diagnostic imaging. These criteria are designed to guide both providers and reviewers to the most appropriate diagnostic tests based on a patient's unique circumstances. In all cases, clinical judgment consistent with the standards of good medical practice will be used when applying the guidelines. Determinations are made based on both the guideline and clinical information provided at the time of the request. It is expected that medical necessity decisions may change as new evidence-based information is provided or based on unique aspects of the patient's condition. The treating clinician has final authority and responsibility for treatment decisions regarding the care of the patient.

## **Guideline Development Process**

These medical necessity criteria were developed by Evolent for the purpose of making clinical review determinations for requests for therapies and diagnostic procedures. The developers of the criteria sets included representatives from the disciplines of radiology, internal medicine, nursing, cardiology, and other specialty groups. Evolent's guidelines are reviewed yearly and modified when necessary following a literature search of pertinent and established clinical guidelines and accepted diagnostic imaging practices.

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# Table of Contents

## **PHYSICAL MEDICINE GUIDELINES**

### **Therapy**

Outpatient Habilitative Physical (PT) and Occupational Therapy (OT)

Outpatient Habilitative Speech Therapy

Record Keeping and Documentation Standards: Physical Medicine

### **Chiropractic**

Chiropractic Infant Care Policy

Record Keeping and Documentation Standards: Chiropractic Care

### **General**

Active Procedures in Physical Medicine

Durable Medical Equipment

Experimental Unproven Investigational Services

Measurable Progressive Improvement

Passive Treatment



# Evolut Clinical Guideline 1506 for Outpatient Habilitative Physical and Occupational Therapy

<b>Guideline Number:</b> Evolut_CG_1506		
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## TABLE OF CONTENTS

<b>STATEMENT .....</b>	<b>2</b>
GENERAL INFORMATION .....	2
PURPOSE .....	2
SCOPE .....	2
<b>INDICATIONS .....</b>	<b>2</b>
DOCUMENTATION .....	2
EVALUATION .....	4
PLAN OF CARE .....	5
FREQUENCY AND DURATION .....	6
DISCONTINUATION OF TREATMENT .....	9
<b>CODING AND STANDARDS .....</b>	<b>10</b>
APPLICABLE LINES OF BUSINESS .....	10
<b>POLICY HISTORY .....</b>	<b>10</b>
<b>LEGAL AND COMPLIANCE .....</b>	<b>10</b>
GUIDELINE APPROVAL .....	10
<i>Committee</i> .....	10
DISCLAIMER .....	10
<b>REFERENCES.....</b>	<b>12</b>

## STATEMENT

### General Information

*It is an expectation that all patients receive care/services from a licensed clinician. All appropriate supporting documentation, including recent pertinent office visit notes, laboratory data, and results of any special testing must be provided. If applicable: All prior relevant imaging results and the reason that alternative imaging cannot be performed must be included in the documentation submitted.*

### Purpose

This guideline describes the documentation requirements for an episode of care for outpatient or home health habilitative physical or occupational therapy.

All recommendations in this guideline reflect practices that are evidence-based and/or supported by broadly accepted clinical specialty standards.

### Scope (1,2)

This guideline applies to all physical medicine practitioners. If a service can be self-administered safely and effectively by an unskilled person without the direct supervision of a therapist, then the service cannot be regarded as a skilled therapy service even if a therapist rendered the service. The unavailability of a competent person to provide a non-skilled service, notwithstanding the importance of the service to the patient, does not make it a skilled service when a therapist renders the service.

Evolent will review all requests resulting in adverse determinations for Medicaid members for coverage under federal Early and Periodic Screening, Diagnostic and Treatment (EPSDT) guidelines.

## INDICATIONS

The following criteria must be addressed to justify the medical necessity of the prescribed treatment. Medically necessary services are reasonable or necessary, and require:

- Specific training, skills, and knowledge of a physical or occupational therapist to:
  - Diagnose, correct, or significantly improve/optimize a condition.
  - Prevent deterioration or development of additional physical and mental health conditions.
- Complexity of care that can only be safely and effectively performed by or under the general supervision of a skilled therapist.

### Documentation (3,4,5)

- Have written referral from primary care practitioner or other non-physician practitioner (NPP) if required by state guidelines.
- Physical and occupational therapy initial evaluations and re-evaluations that include:
  - Patient history - such as recent illness, injury, or disability

- Diagnosis and date of onset and/or exacerbation of the condition
- Prior and current level of function
  - Identification of any underlying factors that have impacted current functional performance must also be noted.
- Re-evaluations must be performed at a minimum annually to show functional progress.
  - Provide evidence supporting medical necessity for the continuation of services.
  - Use current objective measures to show significant progress and support ongoing delays
  - Re-evaluations should include updated formal testing that is:
    - Age-appropriate
    - Norm-referenced
    - Standardized
    - Specific to the type of therapy provided.
- Skilled services being provided by other community service agencies and/or school systems.
  - Services should not duplicate those being provided by community programs or agencies.
  - Document coordination of services with other agencies.
  - Document unavailable services.
- Evidence that the services are considered reasonable and planned treatments require the ongoing skills and knowledge of a therapist.
- Clinical updates at regular intervals or when additional care is requested and include:
  - Current objective measures
  - Progress towards goals
  - Requested frequency and duration of care.
  - The patient's current level of function
  - Any conditions that are impacting their ability to benefit from skilled intervention.
  - Objective measures of the patient's overall functional progress relative to each treatment goal as well as a comparison to the previous progress report
  - Skilled treatment techniques that are being utilized
  - Explanation of any significant changes in the plan of care and clinical rationale for why the ongoing skills of a PT/OT are medically necessary.
  - Evidence of discharge planning
  - Measurable improvement and progress towards functional goals within an anticipated and reasonable timeframe toward a patient's maximum potential.
- Maintenance programs

- Skilled interventions rendered and objective details of how these interventions are preventing deterioration or making the condition more tolerable.
- Evidence that the specialized judgment, knowledge, and skills of a qualified therapist (as opposed to a non-skilled individual) are required for the safe and effective performance of services.
- Should have a plan of care that clearly reflects maintenance treatment.

## Evaluation (6)

- Habilitative Physical or Occupational Therapy
  - Treatment is reasonable and appropriate for an individual with a progressive disorder and has the potential to prevent the loss of a functional skill or enhance the adaptation to such functional loss.
  - Ongoing treatment is not appropriate when a steady state of sensorimotor functioning or treatment has yielded no measurable functional progress over a reasonable amount of time.
- Establishing a delay or deficit
  - Formal testing/functional assessments <sup>(7,8)</sup>
    - Age-appropriate, norm-referenced, standardized, and specific to the therapy provided.
    - Test scores and interpretation should establish the presence of a significant motor or functional delay as defined by the specific test.
      - Raw scores are not sufficient to establish the presence of a delay.
      - Score reports should include percentile ranks and/or standard deviations from the mean as applicable for the test used.
    - While standardized testing is preferred, scores alone may not be used as the sole criteria for determining a patient's medical need for skilled intervention.
    - Test information must be linked to difficulty with or inability to otherwise perform everyday tasks.
    - Orthopedic diagnoses not related to functional delay should include appropriate tests and measures specific to the deficit and the therapy provided.
    - When standardized testing cannot be completed, the documentation must clearly state the reason formal testing could not be done.
    - At minimum, re-testing must occur yearly, but may occur every 180 days.
      - Providers must assess patient status with the same testing instrument used in the initial evaluation or explain the reason for the change in testing instrument.
  - In the absence of standardized testing or when test scores show skills within normal ranges, the documentation must include one of the following:
    - Detailed clinical observations and objective data to document the degree and severity of the condition.
    - A caregiver interview/questionnaire

- Informal assessment supporting Functional Mobility/ADL (Activities of Daily Living) deficits and the medical need for skilled services.
- In the case of feeding difficulties, the notes must clearly indicate a functional feeding delay as a result of underlying impairments.
  - Indications of a delay may include:
    - Gagging/choking
    - Oral motor or upper extremity coordination deficits
    - Maladaptive behaviors due to a food intolerance/aversion preventing adequate oral intake that contribute to malnutrition or decreased body mass index.
  - If the delay is the result of fine/oral motor or sensory delays or deficits, testing and detailed clinical observations of oral motor skills should be included in the documentation.
  - Parent report of limited food choices is not adequate to support the medical need for feeding therapy.
  - Evidence of ongoing progress and a consistent home regimen to facilitate carry-over of target feeding skills, strategies, and education of patient, family, and caregiver.
  - Therapies are not medically necessary for picky eaters who:
    - Can eat and swallow normally.
    - Meet growth and developmental milestones.
    - Eat at least one food from all major food groups (protein, grains, fruits, etc.)
    - Eat more than 20 different foods.

## Plan of Care (9)

- Evaluations and re-evaluations must include a plan of care.
- The plan of care should detail type, amount, duration, and frequency of therapy services required to achieve targeted outcomes.
- Short and long-term functional goals in the plan of care should:
  - Be SMART: Specific, Measurable, Attainable, Relevant, and Timed <sup>(10)</sup>
  - Include the date the goal was established and the date the goal is expected to be met.
  - Target the functional deficits identified during the assessment and promote attainment of age-appropriate developmental milestones, functional mobility and/or ADL skills.
- Short and long-term functional goals in the plan of care should NOT:
  - Have underlying factors, (performance skills, client factors, the environment) as the targeted outcome of long-term goals.
  - Have underlying factors (strength, range of motion, cognition) as the sole focus of short-term goals.

- The plan of care should include a reasonable anticipated timeframe to meet the established goals.
  - If goals are not met within the expected timeframe, documentation should explain why they were not met and if the plan of care was adjusted accordingly.
    - If the plan of care was not adjusted, documentation must demonstrate why the skills of a therapist are still medically necessary to address the goals.
- Interventions in the plan of care must be:
  - Evidence-based, requiring the skills of a therapist to perform and/or teach the task.
  - Chosen to address the targeted goals.
  - Representative of the best practices outlined by the corresponding national organizations.
  - Considerate of functional limitations outlined in the most recent evaluation/assessment.
  - Promote motor learning or relatively permanent differences in motor skill capability that can be transferred and generalized to new learning situations.
  - Explicitly linked to the targeted goal/outcome they address.
  - Reinforced by the parents or other caregivers and can be practiced in the child's environment to sustain positive benefits.
- Plan of care should be reviewed at intervals appropriate to the patient and in accordance with state and third-party requirements. This review should include:
  - Total visits from the start of care
  - Changes in objective measures
  - Updated outcome measure scoring and interpretation of results
  - Overall quantified progress towards each goal (including if the goal has or has not been met)
  - Modification of treatment interventions needed to meet goals
  - Goals updated as appropriate
  - Summary of patient's response (or lack thereof) to intervention
    - If the patient is not progressing, documentation of a revised plan of care is necessary, and must include specific barriers to progress.
  - Brief statement of the prognosis or potential for improvement in functional status
  - Updates to the frequency or amount of expected care in preparation for discharge

## **Frequency and Duration (11,12,13)**

- Must be supported by skilled treatment interventions regardless of level or severity of delay.
- Must be commensurate with:
  - Patient's level of disability

- Medical and skilled therapy needs.
- Accepted standards of practice
- Clinical reasoning and current evidence
- Intense frequencies (on a case-by-case basis, > 3x/week for a short duration ≤4 weeks) which does not meet the above criteria may be considered with **ALL** of the following documentation:
  - Letter of medical need from the prescribing provider documenting the patient's rehabilitation potential for achieving the goals identified.
  - Purpose of the intense frequency requested (e.g., during an acute phase, close to achieving a milestone)
  - Identification of the functional skill which will be achieved with high frequency therapy.
  - Specific measurable goals related to the high frequency requested and the expected date the goal will be achieved.
- High frequencies (3x/week for a short duration of 2-6 weeks)
  - Considered when documented delays are classified as severe as defined by the specific test utilized and supported by corresponding testing guidelines used in the evaluation.
    - Include documentation and testing supporting a medical need to achieve an identified new skill or recover function with specific, achievable goals within the requested intensive period and details on why a higher frequency is more beneficial than a moderate or low frequency.
  - Considered when the treatment plan is rapidly evolving necessitating frequent updates to the home program.
  - Necessary in the acute phase
    - Progressive decline in frequency is expected within a reasonable time frame.
- Moderate frequency (2x/week)
  - Consistent with moderate delays as established in the general guidelines of formal assessments used in the evaluation.
  - Therapy provided 2x/week may be considered when documentation shows one or more of the following:
    - Patient is making very good functional progress toward goals.
    - Patient is in a critical period to gain new skills or restore function or is at risk of regression.
    - Licensed therapist needs to adjust the patient's therapy plan and home program weekly or more often than weekly based on their progress and medical needs.
    - Patient has complex needs requiring ongoing education of the responsible adult.
    - Each treatment session involves skilled and unique interventions that are not repetitive when compared to recent treatment sessions.

- Low frequency ( $\leq 1x/week$ )
  - One time per week or less is appropriate when:
    - Patient is making progress toward their goals, but the progress has slowed.
    - Patient is at risk of deterioration due to their medical condition.
    - Licensed therapist is required to adjust the patient's therapy plan and home program weekly to every other week based on the patient's progress.
  - Every other week is supported appropriate when:
    - Medical condition is stable.
    - Patient is making progress.
    - Anticipated member will not regress with every other week therapy.
  - Less than every other week is appropriate when:
    - The patient cannot yet tolerate more frequent therapy sessions.
    - The patient has needs that are addressed on a periodic basic as part of comprehensive management in a specialty clinic.
      - Occasional consultation may be appropriate to ensure gains continue, to address emerging concerns, or to help order equipment and train in its use.
- Maintenance Level/Prevent Deterioration (e.g., every other week, monthly, every 3 months)
  - Is appropriate when:
    - Therapy plan changes very slowly
    - Home program is at a level that may be managed by the patient or the responsible adult/caregiver.
    - Therapy plan requires infrequent updates by the skilled therapist.
    - Progress has slowed or stopped (documentation supports that ongoing skilled therapy is required to maintain the progress made or prevent deterioration)
    - Patient may be making limited progress toward goals or that goal attainment is extremely slow.
    - Factors are identified that inhibit the patient's ability to achieve established goals.
  - Documentation must show the following:
    - Habilitative plan of care has ended, and a new plan of care established for maintenance.
    - Goals in the plan of care must be updated to reflect that care is focused on maintaining the current level of functioning and preventing regression, rather than progressing or improving function.
      - Skilled interventions rendered and objective details of how these interventions are preventing deterioration or making the condition more tolerable must be provided.
    - Patient and responsible caregiver have a continuing need for education, a

periodic adjustment of the home program, or regular modification of equipment to meet the patient's needs.

- Specialized judgment, knowledge, and skills of a qualified therapist are required for the safe and effective performance of services.

## Discontinuation of Treatment<sup>(14)</sup>

A discharge plan must be included in the plan of care.

- The discharge plan must indicate the plan to wean services if:
  - Patient has attained their goals.
  - No sustained, measurable functional improvement has been demonstrated.
  - Program can be carried out by caregivers or other non-skilled personnel.
- For members no longer showing functional improvement, a weaning process of one to two months should occur.
- Treatment can be discontinued if the patient:
  - Returned to expected level of function.
  - Adapted to impairment with assistive equipment or devices.
  - Is able to perform ADLs with minimal to no assistance from caregiver.
  - Achieved maximum functional benefit from therapy.
  - Will no longer benefit from additional therapy
  - Is unable to participate in the treatment plan or plan of care due to:
    - Medical, psychological, or social complications
  - Caregiver received instructions on the home treatment program and is able to demonstrate independence with the program.
  - Skills of a therapist are not needed to provide or supervise the service.
  - Standardized testing shows they no longer have a developmental delay (as defined by the specific test used).
  - Plateau in response to therapy or lack of significant progress towards therapy goals.
  - Is non-compliant.
    - Poor attendance of member or responsible caregiver
    - With therapy and home treatment program
  - Treatment ceases to be of therapeutic value.
- Development of an age-appropriate home regimen to facilitate carry-over of targeted skills and strategies as well as patient, family, and caregiver education in home exercises and self-monitoring should be evident in the documentation.
  - Indication of compliance of the home regimen should be documented to show maximum benefit of care.
- Skilled care may be appropriate to resume after discharge if the patient shows signs of regression in function despite a comprehensive home program. Periodic episodes

of care may be needed over a lifetime to address specific needs or changes in condition resulting in functional decline.

## CODING AND STANDARDS

### Applicable Lines of Business

☒	CHIP (Children’s Health Insurance Program)
☒	Commercial
☒	Exchange/Marketplace
☒	Medicaid
☒	Medicare Advantage

## POLICY HISTORY

Date	Summary
November 2024	<ul style="list-style-type: none"> <li>• This guideline replaces Evolent Clinical Guideline 603 for Outpatient Habilitative Physical and Occupational Therapy</li> <li>• Updated references</li> <li>• Edited language for clarity</li> <li>• Moved Intense Frequency to its own section rather than a subsection of High Frequency</li> </ul>
December 2023	<ul style="list-style-type: none"> <li>• Required test score cut-offs removed, replaced with requirement that any testing method be interpreted in accordance with its scoring method.</li> <li>• Distinction made between high frequency and intense frequency of treatments</li> </ul>

## LEGAL AND COMPLIANCE

### Guideline Approval

#### *Committee*

Reviewed / Approved by Evolent Specialty Clinical Guideline Review Committee

### Disclaimer



*Evolent Clinical Guidelines do not constitute medical advice. Treating health care professionals are solely responsible for diagnosis, treatment, and medical advice. Evolent uses Clinical Guidelines in accordance with its contractual obligations to provide utilization management. Coverage for services varies for individual members according to the terms of their health care coverage or government program. Individual members' health care coverage may not utilize some Evolent Clinical Guidelines. A list of procedure codes, services or drugs may not be all inclusive and does not imply that a service or drug is a covered or non-covered service or drug. Evolent reserves the right to review and update this Clinical Guideline in its sole discretion. Notice of any changes shall be provided as required by applicable provider agreements and laws or regulations. Members should contact their Plan customer service representative for specific coverage information.*

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# Evolut Clinical Guideline 1505 for Outpatient Habilitative and Rehabilitative Speech Therapy

<b>Guideline Number:</b> Evolut_CG_1505		
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## TABLE OF CONTENTS

<b>STATEMENT</b> .....	<b>2</b>
GENERAL INFORMATION .....	2
PURPOSE .....	2
SCOPE .....	2
SPECIAL NOTE .....	2
<b>INDICATIONS</b> .....	<b>2</b>
DOCUMENTATION .....	2
<i>Documentation should include</i> .....	2
EVALUATION .....	3
TREATMENT GOALS .....	4
FREQUENCY AND DURATION .....	4
DISCONTINUATION OF TREATMENT .....	6
OTHER CONSIDERATIONS .....	6
<b>CODING AND STANDARDS</b> .....	<b>8</b>
APPLICABLE LINES OF BUSINESS .....	8
<b>BACKGROUND</b> .....	<b>8</b>
DEFINITIONS .....	8
<b>POLICY HISTORY</b> .....	<b>9</b>
<b>LEGAL AND COMPLIANCE</b> .....	<b>9</b>
GUIDELINE APPROVAL .....	9
<i>Committee</i> .....	9
DISCLAIMER .....	9
<b>REFERENCES</b> .....	<b>10</b>

## STATEMENT

### General Information

*It is an expectation that all patients receive care/services from a licensed clinician. All appropriate supporting documentation, including recent pertinent office visit notes, laboratory data, and results of any special testing must be provided. If applicable: All prior relevant imaging results and the reason that alternative imaging cannot be performed must be included in the documentation submitted.*

### Purpose

This guideline describes the documentation requirements of appropriate Habilitative/Rehabilitative Speech Therapy.

All recommendations in this guideline reflect practices that are evidence-based and/or supported by broadly accepted clinical specialty standards.

### Scope

This guideline applies to all physical medicine practitioners, including Speech-Language Pathologists (SLP) and Speech-Language Pathology Assistants (SLP-A). If a service can be self-administered safely and effectively by an unskilled person without the direct supervision of a therapist, then the service cannot be regarded as a skilled therapy service even if a therapist rendered the service. The unavailability of a competent person to provide non-skilled service, notwithstanding the importance of the service to the patient, does not make it a skilled service when a therapist renders the service.

Evolent will review all requests resulting in adverse determinations for Medicaid members for coverage under federal Early and Periodic Screening, Diagnostic and Treatment (EPSDT) guidelines. <sup>(1,2)</sup>

### Special Note

Habilitative/Rehabilitative speech therapy should meet the definitions below, be provided in a clinic, an office, at home, or in an outpatient setting, and be ordered by either a primary care practitioner or specialist.

## INDICATIONS

The following criteria must be addressed to justify the medical necessity of the prescribed treatment.

### Documentation

Progress notes or updated plans of care that cover the patient's specific progress towards their goals with review by the primary care practitioner or other non-physician practitioner (NPP) will be required every 60-90 days or per state guidelines.

#### ***Documentation should include <sup>(3)</sup>:***

- Written referral from primary care practitioner or other non-physician practitioner

(NPP) as required by state guidelines.

- Patient's current level of function and any conditions that are impacting his/her ability to benefit from skilled intervention.
- Objective measures of the patient's overall functional progress relative to each treatment goal as well as a comparison to the previous progress report
- Skilled treatment techniques that are being utilized in therapy as well as the patient's response to therapy.
- If appropriate, documentation should provide a rationale for lack of progress or response to treatment.
- Treatment goals that follow a hierarchy of complexity to achieve the target skills for a functional goal.
- Re-evaluation or annual testing (for habilitative therapy) using formal standardized assessment tools and formal assessment of progress must be performed to support progress, ongoing delays and medical necessity for continued services.
  - An explanation of any significant changes in the plan of care and clinical rationale for why the ongoing skills of a SLP are medically necessary.
- When skilled services are also being provided by other community service agencies and/or school systems the notes must show:
  - Applicable coordination of services with those agencies
  - When services are not available

## Evaluation

- Establishing a delay or deficit
- Formal testing <sup>(3,4)</sup>
  - Age-appropriate, norm-referenced, standardized, and specific to the therapy provided.
  - Different tests use different scoring methods and risk categories; any selected test must be interpreted in accordance with its scoring method.
  - Test scores and interpretation should establish the presence of a significant delay.
  - While standardized testing is preferred, scores alone may not be used as the sole criteria for determining a patient's medical need for skilled intervention; test information must be linked to difficulty with or inability to perform everyday tasks. <sup>(5,6)</sup>
  - In the absence of standardized testing or when test scores show skills within normal ranges, the documentation must include detailed clinical observations and objective data to document the degree and severity of the condition to support the medical need for skilled services; a caregiver interview/questionnaire can also support the request.
  - Any time standardized testing cannot be completed, the documentation must clearly state the reason formal testing could not be done.
- Evaluation for habilitative therapy should include:

- A reasonable expectation that the services will bring about a significant improvement within a reasonable time frame, regardless of whether the individual has a coexisting disorder.
- Evidence that ongoing treatment is appropriate.
  - **Note:** ongoing treatment is not appropriate when patient function is steady and treatment no longer yields measurable and significant functional progress.
- Evaluation for rehabilitative therapy should include:
  - The specific impact or exacerbation of injury on the patient's ability to perform in their everyday environment must be supported by appropriate tests and measures in addition to clinical observations.
- Functional Skills
  - The initial plan of care must document baseline impairments as they relate to functional communication and feeding/swallowing with specific goals developed that are measurable, sustainable and time specific.

## Treatment Goals

- Treatment goals must be:
  - Realistic, measurable, and promote attainment of developmental milestones and functional communication abilities appropriate to the patient's age and circumstances. <sup>(4,7)</sup>
  - Include the type, amount, duration, and frequency of therapy services.
    - These must be consistent with accepted standards of practice and correspond with the patient's medical and skilled therapy needs and level of disability.
  - Individualized and measurable in order to identify the functional levels related to appropriate maintenance or maximum therapeutic benefit, targeted to identified functional deficits, and promote the attainment of:
    - Age-appropriate developmental milestones
    - Functional skills appropriate to the patient's age and circumstances
- Although identified as component parts of participation, underlying factors, performance skills, client factors and/or the environment should not be the targeted outcome of long-term goals.
- Services must be considered reasonable, effective, and of such a complex nature that they require the technical knowledge and clinical decision-making skill of a therapist or can be safely and effectively conducted by non-skilled personnel without the supervision of qualified professionals.
- For sustained positive benefits from therapeutic interventions, activities can be practiced in the child's environment and reinforced by the parents or other caregivers.

## Frequency and Duration

- All requested frequencies must be supported by skilled treatment interventions

regardless of the level of severity of delay.

- Intense frequencies (i.e., 3x/week or more) will require additional documentation and testing supporting a medical need to achieve an identified new skill or recover function with specific, achievable goals within the requested intensive period.
  - Intense frequencies may be considered when delays are classified as severe as indicated by corresponding testing guidelines used in the evaluation). <sup>(4)</sup>
  - The provider must include documentation and testing supporting a medical need to achieve an identified new skill or recovery of function with specific, achievable goals within the requested intensive period and details on why an intensive frequency is more beneficial than a moderate or low frequency.
  - Intensive frequency can be considered when the treatment plan is rapidly evolving necessitating frequent updates to the home program.
  - More intensive frequencies may be necessary in the acute phase, however, progressive decline in frequency is expected within a reasonable time frame. <sup>(4)</sup>
- Moderate frequency (i.e., 2x/week) should be consistent with moderate delays as established in the general guidelines of formal assessments used in the evaluation.
  - This frequency may be used for ongoing care when documentation supports this frequency as being clinically effective toward achieving the functional goals in the treatment plan within a reasonable time frame.
  - Therapy provided at a moderate frequency may be considered when documentation shows at least one of the following:
    - Patient is making very good functional progress towards goals.
    - Patient is in a critical period to gain new skills or restore function.
    - Patient is at risk of regression.
    - A licensed therapist needs to adjust the patient's therapy plan and home program weekly or more often than weekly based on progress or medical needs of the patient.
    - Patient has complex needs requiring ongoing education of the responsible adult.
    - Each treatment session involves skilled and unique interventions that are not repetitive when compared to recent treatment sessions.
- Low frequency (i.e., 1x/week or less) may be considered when testing guidelines indicate mild delays or when a higher frequency has not been clinically effective, and a similar outcome is likely with less treatment per week.
  - Low frequency is appropriate for the following:
    - Patient is making progress toward their goals, but the progress has slowed.
    - Patient is at risk of deterioration due to their medical condition.
    - A licensed therapist is required to adjust the patient's therapy plan and home program weekly to every other week based on the patient's progress.
- Additional factors may be considered on a case-by-case basis.
- If the patient is not progressing, documentation of a revised treatment plan is necessary.

- Maintenance level of therapy services may be considered when a member requires skilled therapy for ongoing periodic assessments and consultations and the member and the responsible adult have a continuing need for education, or a periodic adjustment of the home program is needed to meet the member's needs.
  - It is expected that there be evidence of the development of age-appropriate home regimen to facilitate carry-over of target skills and strategies and education of patient, family, and caregiver in home practice exercises, self-monitoring as well as indication of compliance for maximum benefit of therapy.
  - Goals in the plan of care must be updated to reflect that care is focused on maintaining the current level of functioning and preventing regression, rather than progressing or improving function.
  - Clear documentation of the skilled interventions rendered and objective details of how these interventions are preventing deterioration or making the condition more tolerable must be provided. The notes must also clearly demonstrate that the specialized judgment, knowledge, and skills of a qualified therapist (as opposed to a non-skilled individual) are required for the safe and effective performance of services in a maintenance program.

## Discontinuation of Treatment

- A specific discharge plan, with the expected treatment frequency and duration is included in the plan of care. <sup>(7)</sup> The discharge plan must indicate the plan to wean services once the patient has attained their goals. <sup>(5)</sup> Discharge may also be warranted if:
  - No measurable functional improvement has been demonstrated.
    - Behaviors that interfere with the ability to progress with therapy qualify under the American Speech-Language-Hearing Association (ASHA) discharge criteria guidelines.
  - Program can be conducted by caregivers or other non-skilled personnel.
  - Maximum therapeutic value of a treatment plan has been achieved.
  - No additional functional improvement is apparent or expected to occur.
  - Provision of services for a condition cease to be of therapeutic value.
- If the patient shows signs of regression in function, the need for skilled speech therapy can be re-evaluated at that time.
  - Periodic episodes of care may be needed over a lifetime to address specific needs or changes in condition resulting in functional decline.

\* A weaning process of one or two months should be implemented.

## Other Considerations

- When a patient's language background differs from the rendering therapist and a clinician with native or near-native proficiency is not available, use of an interpreter is appropriate and should be documented accordingly along with a treatment plan that does not target second language influence.
- When language-matched multilingual service providers are not available, the clinician considers their own language skills in the target language, assesses the language

needs of the client and family, and uses available resources to support language access. If a patient is exposed to more than one language, the assessment must evaluate all language exposures and contain assessment tools that are culturally and linguistically adapted test equivalents in all languages is necessary to accurately distinguish between communication disorders and typical linguistic variations .<sup>(8)</sup>

- Swallowing disorders (dysphagia) and feeding disorders will need documentation of an oral, pharyngeal, and/or esophageal phase disorder, food intolerance or aversion.<sup>(4,5,7)</sup>
  - There must be evidence of ongoing progress and a consistent home regimen to facilitate carry-over of target feeding skills, strategies and education of patient, family, and caregiver.
  - Therapies for picky eaters who can eat and swallow normally, are meeting growth and developmental milestones, eat at least one food from all major food groups (protein, grains, fruits, etc.) and more than 20 different foods are not medically necessary.
- Treatment that includes goals for reading/literacy must also have a primary diagnosis of a speech or language disorder.
  - Documentation must support that the deficits in reading/literacy are affecting functional activities of daily living and are not the primary focus of treatment. They must show how the services for reading/literacy are of such a complex nature that they require the skills of a speech language pathologist.
- Treatment for voice disorders will need evidence of an instrumental assessment completed by a specialized medical physician to rule out a medical cause or structural deficit.<sup>(9)</sup>
- Treatment for fluency disorders will need evidence that stuttering is a medical condition and is no longer developmental in nature.<sup>(10)</sup>
- Treatment incorporating nonspeech oral motor exercises (NSOMEs) must be evidence based and paired with functional articulation and/or feeding/swallowing tasks.<sup>(11)</sup>

## CODING AND STANDARDS

### Applicable Lines of Business

☒	CHIP (Children’s Health Insurance Program)
☒	Commercial
☒	Exchange/Marketplace
☒	Medicaid
☒	Medicare Advantage

## BACKGROUND

### Definitions

#### Habilitative Speech Therapy

Treatment provided by a state-regulated speech therapist to help a person attain, maintain, or prevent deterioration of a skill or function never learned or acquired. Treatment may also be appropriate in a child with a progressive disorder when it has the potential to prevent the loss of a functional skill or enhance the adaptation to such functional loss.

#### Rehabilitative Speech Therapy

Treatment provided by a state-regulated speech therapist designed to help a person recover from an acute injury or exacerbation of a chronic condition that has resulted in a decline in functional performance.

#### Functional Skills

They are considered necessary communication and feeding/swallowing activities of daily life.

## POLICY HISTORY

Date	Summary
November 2024	<ul style="list-style-type: none"> <li>● This guideline replaces Evolent Clinical Guideline 602 for Outpatient Habilitative and Rehabilitative Speech Therapy</li> <li>● Updated references</li> <li>● Revised "bilingual services" to "multilingual services" per ASHA guidance.</li> </ul>
December 2023	<ul style="list-style-type: none"> <li>● Required test score cut-offs removed, replaced with requirement that any testing method be interpreted in accordance with its scoring method</li> <li>● Distinction made between high frequency and intense frequency of treatments.</li> <li>● Additional guidance on treatment for fluency disorders and nonspeech oral exercises added</li> </ul>

## LEGAL AND COMPLIANCE

### Guideline Approval

#### Committee

Reviewed / Approved by Evolent Specialty Clinical Guideline Review Committee

### Disclaimer

*Evolent Clinical Guidelines do not constitute medical advice. Treating health care professionals are solely responsible for diagnosis, treatment, and medical advice. Evolent uses Clinical Guidelines in accordance with its contractual obligations to provide utilization management. Coverage for services varies for individual members according to the terms of their health care coverage or government program. Individual members' health care coverage may not utilize some Evolent Clinical Guidelines. A list of procedure codes, services or drugs may not be all inclusive and does not imply that a service or drug is a covered or non-covered service or drug. Evolent reserves the right to review and update this Clinical Guideline in its sole discretion. Notice of any changes shall be provided as required by applicable provider agreements and laws or regulations. Members should contact their Plan customer service representative for specific coverage information.*

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# Evolut Clinical Guideline 1510 for Record Keeping and Documentation Standards: Physical Medicine

<b>Guideline Number:</b> Evolut_CG_1510		
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<b>Original Date:</b> November 2015	<b>Last Revised Date:</b> November 2024	<b>Implementation Date:</b> July 2025

## TABLE OF CONTENTS

<b>STATEMENT .....</b>	<b>2</b>
GENERAL INFORMATION .....	2
PURPOSE .....	2
SCOPE .....	2
SPECIAL NOTE .....	2
<b>MEDICAL RECORD CONTENT REQUIREMENTS .....</b>	<b>2</b>
GENERAL GUIDELINES .....	2
EVALUATION/RE-EVALUATION .....	3
DAILY NOTES .....	4
TREATMENT PLAN OR PLAN OF CARE .....	4
MAINTENANCE CARE .....	6
LACK OF INFORMATION .....	7
CONFIDENTIALITY OF RECORDS.....	7
<b>CODING AND STANDARDS .....</b>	<b>7</b>
APPLICABLE LINES OF BUSINESS .....	7
<b>BACKGROUND .....</b>	<b>7</b>
MEDICAL NECESSITY .....	7
<b>POLICY HISTORY .....</b>	<b>9</b>
<b>LEGAL AND COMPLIANCE .....</b>	<b>9</b>
GUIDELINE APPROVAL .....	9
<i>Committee</i> .....	9
DISCLAIMER .....	9
<b>REFERENCES.....</b>	<b>10</b>

## STATEMENT

### General Information

*It is an expectation that all patients receive care/services from a licensed clinician. All appropriate supporting documentation, including recent pertinent office visit notes, laboratory data, and results of any special testing must be provided. If applicable: All prior relevant imaging results and the reason that alternative imaging cannot be performed must be included in the documentation submitted.*

### Purpose

This guideline will assist the physical therapist, occupational therapist, and/or speech-language pathologist in creating and maintaining complete and appropriate clinical records and documentation.

All recommendations in this guideline reflect practices that are evidence-based and/or supported by broadly accepted clinical specialty standards.

### Scope

All network practitioners will maintain clinical documentation that clearly supports the medical necessity of all health care services. In addition, all network practitioners are required to provide additional clinical documentation and/or explanation regarding medical necessity of services at the request of this organization.

These guidelines apply to all markets and populations, including teletherapy, contracted with this organization through the corresponding state health plans unless a market-specific health plan has been developed.

To be covered, documentation must contain evidence to support medical necessity and the need for skilled services as appropriated by the following descriptions and definitions.

### Special Note

Recordkeeping is used to document the condition and care of the patient, avoid or defend against a malpractice claim, and support the concurrent and/or retrospective medical necessity requiring the provision of skilled services. The provider is responsible for documenting the evidence to clearly support the foregoing indices and submitting the documentation for review in a timely manner.

## MEDICAL RECORD CONTENT REQUIREMENTS (1,2,3)

### General Guidelines

- Documentation should clearly reflect why the skills of a practitioner are needed/the care is **medically necessary**
- All records (both digital and handwritten) must be legible: the ability of at least two people to read and understand the documents.
- Documentation should be complete and include:
  - Practitioner's signature and credentials

- Appropriately dated chart entries
- Patient identifications on each page
- Corrections to the patient's record must be made legibly in permanent ink (single line through the error), dated, and authenticated by the person making the correction(s)
  - Electronic documentation should include the appropriate mechanism indicating that a change was made without the deletion of the original record.
- Services must be documented in accordance with Current Procedural Terminology (CPT®) coding criteria (e.g., location (body region), time component, etc.)
- Adverse events associated with treatment should be recorded in the patient chart.

## Evaluation/Re-Evaluation

Initial evaluations and re-evaluations including plan of care (**see below**) must be performed by a state-licensed PT, OT, SLP, MD, DO or DPM and should document:

- Medical need for a course of treatment through objective findings and subjective self or caregiver reporting
- Pertinent history and general demographics including:
  - Past or current treatment for the same condition
  - Baseline evaluation including current and prior functional status (submit for review)
- Copy of discharge summary including a written letter from the member stating when services ended or a specific reference to the date the member chose to end care with a prior provider must be provided if patient has a current authorization with a different provider and is seeking services with a new provider.
  - Treatment should not duplicate services provided in multiple settings or disciplines.
- Impact of the conditions and complexities on the prognosis and/or the plan for treatment such that it is clear to the peer reviewer that the planned services are reasonable and appropriate for the individual.
- Objective measures and/or discipline-specific standardized testing demonstrating delays that are connected to a decline in functional status must be provided.
  - Assessment tools used during the evaluation should be:
    - Valid
    - Reliable
    - Relevant to the condition(s) being addressed
    - Supported by the appropriate national therapy best practices guidelines.
  - Scores alone may not be used as the sole criteria for determining a patient's medical need for skilled intervention.
    - Test information must be linked to difficulty with/inability to perform everyday tasks.
- In the absence of objective measures, the report must include:

- Detailed clinical observations of current skill sets
- Patient or caregiver interview/questionnaire and/or informal assessment supporting functional mobility/ADL deficits.
- Medical need for skilled services
- The reason formal testing could not be completed.
- Functional outcome assessment and/or standardized test results to include:
  - Raw scores
  - Standardized scores
  - Score interpretation.
- Detailed clinical observations and prognosis and rehab potential must be outlined.
- Contraindications to care must be listed with an explanation of their current management.
- School programs, including frequency and goals to ensure there is no duplication (*for Habilitative OT/PT/SLP*)
- Information regarding child's involvement in home and community programs (*for Habilitative OT/PT/SLP*)

## Daily Notes

Should include the following:

- Clear evidence of skilled treatment interventions that cannot be conducted solely by non-skilled personnel.
- Assessment of patient's response or non-response to intervention and plan for subsequent treatment sessions, assessments, or updates
- Any significant, unusual, or unexpected changes in clinical status

## Treatment Plan or Plan of Care

The plan of care should clearly support why the skills of a professional are needed as opposed to discharge to self-management or non-skilled personnel without the supervision of qualified professionals. This includes the use of telehealth rather than on-site treatment.

The plan of care should include the following:

- Meaningful clinical observations
- Patient's response to the evaluation process
- Interpretation of the evaluation results including:
  - Prognosis for improvement
  - Recommendations for therapy services amount, frequency, and duration
- Short and long-term goals that are required to achieve targeted outcomes.
  - SMART (Specific, Measurable, Attainable, Realistic, and Time-bound)
  - Detail the type of intervention that must be:

- Skilled treatment interventions, regardless of level of severity of deficit or delay
- Evidence-based
- Chosen to address the targeted goals and/or outcomes.
- Representative of the best practices outlined by the corresponding national organizations.
- If telehealth is included, the plan of care should clearly support why the skills of a professional are needed as opposed to discharge to self-management or non-skilled personnel without the supervision of qualified professionals.
- Amount, duration, and frequency
  - The frequency and duration must be commensurate with:
    - Patient's level of disability
    - Medical and skilled therapy needs
    - Accepted standards of practice
    - Clinical reasoning and current evidence
    - Frequency and duration of skilled services must also be in accordance with the following <sup>(4,5,6)</sup>:
      - ◆ Intense frequencies ( $\geq 3x/week$ ) require additional documentation and testing to support a medical need (achieve an identified new skill or recover a function with specific, achievable goals within the requested period)
        - ◇ Include details on why a higher frequency is more beneficial than a moderate or low frequency.
        - ◇ Higher frequencies may be considered when delays are classified as severe (indicated by corresponding objective measures and/or testing guidelines used in the evaluation)
        - ◇ More intensive frequencies may be necessary in the acute phase (progressive decline in frequency is expected within a reasonable time)
      - ◆ Moderate frequency (2x/week) should be consistent with moderate delays (established by objective measures and/or the general guidelines of formal assessments in the evaluation)
        - ◇ Frequency may be used for ongoing care when documentation supports it as being clinically effective toward achieving the functional goals in the treatment plan within a reasonable time.
      - ◆ Low frequency (1x/week or every other week) may be considered when objective measures and/or testing guidelines indicate mild delays or when a higher frequency has not been clinically effective, and a similar outcome is likely with less treatment per week
    - Visits or units requested must not exceed the frequency and duration supported in the plan of care.
  - Linked to functional limitations outlined in the most recent valuation or assessment.

- Additional factors may be considered on a case-by-case basis.
- Expected caregiver involvement in the patient's treatment
- Educational plan, including:
  - Home exercises
  - Activities of Daily Living (ADL) modifications
  - Anticipated discharge recommendations including:
    - Education of the member in a home program
    - Primary caregiver education (when applicable)
- Anticipated discharge planning should be included in plans of care; formal discharge from care should be considered when:
  - Records demonstrate services are unskilled or could be completed as part of a home management program.
  - Functional limitations do not support the rate of care requested (stated above)
  - Treatment is provided without a treatment plan, functional goals, or recent, sustained improvement.
- Plan of care should be reviewed at intervals appropriate to the patient and in accordance with state and third-party requirements. This review should include:
  - Total visits from the start of care
  - Changes in objective measures
  - Updated outcome measure scoring and interpretation of results
  - Overall quantified progress towards each goal (including if goal has been met or not met)
  - Modification of treatment interventions needed to meet goals.
  - Goals updated as appropriate.
  - Summary of a patient's response (or lack thereof) to intervention
  - Statement (brief) of the prognosis or potential for improvement in functional status
  - Updates to the frequency or amount of expected care in preparation for discharge

**Note:** Treatment must not be focused on returning to activities beyond normal daily living, including but not limited to return to sports, recreational activities, and/or work-specific tasks.

## Maintenance Care

Maintenance level of therapy services may be considered when a member requires skilled therapy for ongoing periodic assessments, consultations, and treatment.

- Goals in the plan of care must reflect that care is focused on maintaining the current level of function and preventing regression rather than progressing or improving function.
- Clear documentation of the skilled interventions rendered and objective details of how these interventions are preventing deterioration or making the condition more tolerable must be provided.

- The documentation must clearly demonstrate that the specialized judgement, knowledge, and skills of a qualified therapist (as opposed to a non-skilled individual) are required for the safe and effective performance of services in a maintenance program.
- It is expected that evidence will be provided regarding the implementation of a comprehensive home program with indications of compliance by the member to the home program for maximum benefit of therapy.

## Lack of Information

Reviewers can determine that claims or requests have insufficient documentation when the medical documentation submitted is inadequate to support a request for services as medically necessary or requiring skilled services for the requested amount of care. Incomplete notes (e.g., unsigned, undated, and insufficient detail showing clear evidence supporting recent significant progress with treatment, such as lacking baseline/updated objectives and goals, or specific plan of care) may result in denial for lack of sufficient information.

## Confidentiality of Records

All contracted practitioners will treat patient identifiable health information according to HIPAA standards to ensure the confidentiality of the record and provide the minimum necessary information when requested to perform a review of services.

## CODING AND STANDARDS

### Applicable Lines of Business

<input checked="" type="checkbox"/>	CHIP (Children's Health Insurance Program)
<input checked="" type="checkbox"/>	Commercial
<input checked="" type="checkbox"/>	Exchange/Marketplace
<input checked="" type="checkbox"/>	Medicaid
<input checked="" type="checkbox"/>	Medicare Advantage

## BACKGROUND

### Medical Necessity (1,2,7)

Medically necessary services are reasonable or necessary services that require the specific training, skills, and knowledge of a physical or occupational therapist and/or speech/language pathologist to diagnose, correct, or significantly improve/optimize as well as prevent deterioration or development of additional physical health conditions. These

services require a complexity of care that can only be safely and effectively performed by or under the general supervision of a licensed practitioner.

- Services shall not be considered reasonable and medically necessary if:
  - They can be omitted without adversely affecting the member's condition or their quality of care.
  - Simply because a licensed practitioner furnishes it.
    - If a service can be self-administered or safely and effectively conducted by an unskilled person, without the direct supervision of a practitioner, then it cannot be regarded as a skilled service even though a licensed practitioner rendered the service.
    - The unavailability of a competent person to provide a non-skilled service resulting in the non-skilled service being rendered by a licensed practitioner does not make the service provided a skilled service.
  - They include repetitive activities (exercises, skill drills) which do not require a licensed practitioner's expertise (knowledge, clinical judgment and decision-making abilities) and can be learned and performed by the patient or caregiver.
  - They are activities for general fitness and flexibility, sports-specific training enhancement or general tutoring for improvement in academic performance.

Medically necessary care must be:

- **Contractual** – all health care services are determined by the practitioner's contract with the payer and individual health plan benefits.
- **Within Scope of Practice** – all health care services are limited to the scope of practice under all applicable state and national health care boards.
- **Within Standard of Practice** – all health care services must be within the practitioner's generally accepted standard of practice.
- **Considerate of Patient Safety** – all health care services must be delivered in the safest possible manner.
- **A Medical Service** – all health care services must be medical, not social or convenient for the purpose of evaluating, diagnosing, and treating an illness, injury, or disease and its related symptoms and functional deficit.
  - These services must be appropriate and effective regarding type, frequency, level, duration, extent, and location of the enrollee's diagnosis or condition.
- **Considerate of Setting** – all health care services must be delivered in the least intensive setting.
- **Considerate of Cost** – the practitioner must deliver all health care services in the most cost-effective manner as determined by this organization, the health plan, and/or employer.
  - No service should be more costly than an alternative diagnostic method or treatment that is at least as likely to provide the same diagnostic or treatment outcome.
- **Supported by Clinical Guidelines** – health care services meet all of the Clinical Guidelines of this organization.

## POLICY HISTORY

Date	Summary
November 2024	<ul style="list-style-type: none"> <li>● This guideline replaces Evolent Clinical Guideline 606-01 for Record Keeping and Documentation: Physical Medicine</li> <li>● Updated references</li> </ul>
December 2023	<ul style="list-style-type: none"> <li>● “Maintenance Section” added</li> </ul>

## LEGAL AND COMPLIANCE

### Guideline Approval

#### **Committee**

**Reviewed / Approved by Evolent Specialty Clinical Guideline Review Committee**

#### **Disclaimer**

*Evolent Clinical Guidelines do not constitute medical advice. Treating health care professionals are solely responsible for diagnosis, treatment, and medical advice. Evolent uses Clinical Guidelines in accordance with its contractual obligations to provide utilization management. Coverage for services varies for individual members according to the terms of their health care coverage or government program. Individual members’ health care coverage may not utilize some Evolent Clinical Guidelines. A list of procedure codes, services or drugs may not be all inclusive and does not imply that a service or drug is a covered or non-covered service or drug. Evolent reserves the right to review and update this Clinical Guideline in its sole discretion. Notice of any changes shall be provided as required by applicable provider agreements and laws or regulations. Members should contact their Plan customer service representative for specific coverage information.*



# Evolut Clinical Guideline 1501 for Chiropractic Infant Care Policy

<b>Guideline Number:</b> Evolut_CG_1501		
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<b>Original Date:</b> April 2016	<b>Last Revised Date:</b> November 2024	<b>Implementation Date:</b> July 2025

## TABLE OF CONTENTS

<b>STATEMENT</b> .....	<b>2</b>
GENERAL INFORMATION.....	2
PURPOSE .....	2
SPECIAL NOTE .....	2
SCOPE.....	2
<b>INDICATIONS</b> .....	<b>2</b>
<b>CODING AND STANDARDS</b> .....	<b>3</b>
APPLICABLE LINES OF BUSINESS .....	3
<b>BACKGROUND</b> .....	<b>3</b>
LITERATURE SUPPORT.....	3
INFANTILE COLIC .....	4
NON-MUSCULOSKELETAL .....	4
MUSCULOSKELETAL.....	4
<b>POLICY HISTORY</b> .....	<b>4</b>
<b>LEGAL AND COMPLIANCE</b> .....	<b>5</b>
GUIDELINE APPROVAL .....	5
Committee.....	5
DISCLAIMER .....	5
<b>REFERENCES</b> .....	<b>6</b>

## STATEMENT

### General Information

*It is an expectation that all patients receive care/services from a licensed clinician. All appropriate supporting documentation, including recent pertinent office visit notes, laboratory data, and results of any special testing must be provided. If applicable: All prior relevant imaging results and the reason that alternative imaging cannot be performed must be included in the documentation submitted.*

### Purpose

Support medically necessary, appropriate, and acceptable chiropractic treatment of infants (age: birth to 24 months).

### Special Note

The evaluation, diagnosis, and management of infants falls within the scope of chiropractic practice.

**NOTE:** Chiropractic providers should not engage in unsafe or unproven services as outlined in this policy. There is insufficient evidence that manual therapy (spinal manipulation, extraspinal manipulation, and mobilization) results in improved health outcomes, particularly functional outcomes, related to the treatment of both musculoskeletal and non-musculoskeletal infant conditions. <sup>(1)</sup>

### Scope

This guideline applies to all physical medicine participating network practitioners.

## INDICATIONS

**ALL** of the following apply:

- Therapeutic trial of chiropractic care for the infant patient <sup>(2)</sup>:
  - In the absence of conclusive evidence, clinical experience and patient/parent preferences must align
  - If the infant patient shows no clinically significant improvement (progress toward measurable goals) after a trial period of chiropractic care, no additional chiropractic care is indicated, and referral may be appropriate
- Manual-based therapy (spinal/extraspinal manipulation and mobilization), active care, and passive therapies have not been shown to improve the health outcomes of spine, extremity-based musculoskeletal conditions, or non-musculoskeletal conditions (childhood immunizations, treatment of infectious diseases, etc.) in infant populations <sup>(3)</sup>
- There is no contemporary chiropractic consensus demonstrating a general agreement to support the treatment of non-musculoskeletal conditions, <sup>(4)</sup> such as:
  - Treatment of the common cold
  - Sinus congestion

- Allergies
- Sleep disturbances
- Difficulty nursing
- Infantile colic
- ADHD
- Asthma
- Autism
- Cerebral palsy
- Constipation
- Nocturnal enuresis
- Otitis media
- Chiropractic infant care for wellness care, well-baby checks, and preventive care are **NOT** covered
- The use of maintenance or preventive<sup>‡</sup> spinal/extraspinal manipulation

**NOTE:** This organization has the decisive authority to determine if treatment is medically necessary and appropriate.

## CODING AND STANDARDS

### Applicable Lines of Business

☒	CHIP (Children’s Health Insurance Program)
☒	Commercial
☒	Exchange/Marketplace
☒	Medicaid
☒	Medicare Advantage

## BACKGROUND

<sup>‡</sup>Preventive, defined as prevention of any disease or condition or the promotion and enhancement of health after maximum therapeutic benefit has occurred.

### Literature Support

As of August 15, 2023, there is no first-level, evidence-based literature in relation to the effectiveness of manual therapy/manipulation for spinal disorders in the infant (young) population. <sup>(4,5)</sup>

## Infantile Colic

In the American Academy of Family Physicians (AAFP) report on infantile colic, one of the primary levels of treatment is parental reassurance and support because colic is benign. <sup>(6)</sup> Although the AAFP article addresses physical therapies for colic, which included chiropractic and osteopathic manipulation, massage, and acupuncture, there is insufficient evidence to support these therapies. <sup>(4)</sup>

## Non-musculoskeletal

The American Academy of Pediatrics clinical report on Pediatric Integrative Medicine corroborates there is a lack of quality evidence to support the effectiveness of spinal manipulation for non-musculoskeletal conditions in infants and children in which the risks of adverse events may be the highest because of immature stability of the spine or high-velocity extension and rotational spinal manipulation. <sup>(3)</sup>

## Musculoskeletal

No high-quality methodological guidelines, systematic reviews, or randomized controlled trials were discovered in a literature search regarding the treatment of infant musculoskeletal conditions with spinal or extra-spinal manipulation, mobilization, massage therapy, mechanical traction, electrical stimulation, ultrasound therapy, or low-level laser therapy (LLLT).

## POLICY HISTORY

Date	Summary
November 2024	<ul style="list-style-type: none"> <li>● This guideline replaces Evolent_CG_611 Chiropractic Infant Care Policy</li> <li>● CPT Codes removed from the Indications section. The CPT Codes section in Coding was also removed</li> <li>● Editorial changes to match the formatting and layout of the Evolent template</li> <li>● Edited the 'Infantile Colic' section of the Background to make it more concise</li> <li>● Updated references</li> </ul>
December 2023	<ul style="list-style-type: none"> <li>● Editorial changes - sections moved/updated for better reading flow</li> <li>● Updated references</li> </ul>

## **LEGAL AND COMPLIANCE**

### **Guideline Approval**

#### **Committee**

**Reviewed / Approved by Evolent Specialty Clinical Guideline Review Committee**

#### **Disclaimer**

*Evolent Clinical Guidelines do not constitute medical advice. Treating health care professionals are solely responsible for diagnosis, treatment, and medical advice. Evolent uses Clinical Guidelines in accordance with its contractual obligations to provide utilization management. Coverage for services varies for individual members according to the terms of their health care coverage or government program. Individual members' health care coverage may not utilize some Evolent Clinical Guidelines. A list of procedure codes, services or drugs may not be all inclusive and does not imply that a service or drug is a covered or non-covered service or drug. Evolent reserves the right to review and update this Clinical Guideline in its sole discretion. Notice of any changes shall be provided as required by applicable provider agreements and laws or regulations. Members should contact their Plan customer service representative for specific coverage information.*

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# Evolut Clinical Guideline 1509 for Record Keeping and Documentation Standards: Chiropractic Care

<b>Guideline Number:</b> Evolut_CG_1509		
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<b>Original Date:</b> November 2015	<b>Last Revised Date:</b> November 2024	<b>Implementation Date:</b> July 2025

## TABLE OF CONTENTS

**STATEMENT ..... 2**  
  GENERAL INFORMATION ..... 2  
  PURPOSE ..... 2

**MEDICAL RECORD CONTENT REQUIREMENTS..... 2**  
  GENERAL GUIDELINES ..... 2  
  EVALUATION ..... 3  
  TREATMENT PLAN/PLAN OF CARE ..... 4  
    *Plan of care elements* ..... 5  
  DAILY TREATMENT NOTE ..... 6  
  RE-EVALUATION ..... 6  
  UTILIZATION REVIEW..... 7  
  LACK OF INFORMATION ..... 8  
  CONFIDENTIALITY OF RECORDS..... 8

**CODING AND STANDARDS ..... 8**  
  APPLICABLE LINES OF BUSINESS ..... 8

**BACKGROUND ..... 9**  
  MEDICAL NECESSITY ..... 9  
  MEDICAL HISTORY ..... 10  
  DEFINITIONS..... 10

**POLICY HISTORY ..... 11**

**LEGAL AND COMPLIANCE ..... 11**  
  GUIDELINE APPROVAL ..... 11  
    *Committee*..... 11  
  DISCLAIMER ..... 11

**REFERENCES..... 12**

## STATEMENT

### General Information

*It is an expectation that all patients receive care/services from a licensed clinician. All appropriate supporting documentation, including recent pertinent office visit notes, laboratory data, and results of any special testing must be provided. If applicable: All prior relevant imaging results and the reason that alternative imaging cannot be performed must be included in the documentation submitted.*

### Purpose

This guideline will assist the chiropractor in creating and maintaining complete and appropriate clinical records and documentation.

All recommendations in this guideline reflect practices that are evidence-based and/or supported by broadly accepted clinical specialty standards.

## MEDICAL RECORD CONTENT REQUIREMENTS

### General Guidelines (1,2)

- Documentation should clearly reflect why the skills of a licensed chiropractor are needed/the care is **medically necessary**
- All records (both digital and handwritten) must be legible.
  - the ability of at least two people to read and understand the documents.
- Each date of service must adequately identify the patient and include the treating chiropractor's signature and credentials. Each subsequent page must also contain:
  - The patient's name or ID number
  - The subjective complaint(s)
  - Objective findings, assessment
  - Diagnosis, treatment/ancillary diagnostic studies performed.
  - Any recommendations, instructions, or patient education
- All chart entries must be dated with the month, day, and year.
- Handwritten records
  - In chronological order and in permanent ink with original signatures
- Electronic entries
  - Use appropriate security and confidentiality provisions.
- Patient demographics including all of the following:
  - Name
  - Address
  - Telephone numbers (home and work)

- Gender
- Date of birth
- Occupation
- Marital status
- Working diagnosis(es) or condition description similar to the appropriate ICD code
  - If the ICD code is not applicable/allowed, it must be documented and consistent with the associated findings.
- Reason for the encounter or referral (i.e., presenting complaint(s))
- Services must be documented in accordance with Current Procedural Terminology (CPT®) coding criteria (e.g., location (body region), time component, etc.)
- Adverse events associated with treatment should be recorded in the patient chart.
- Copies of
  - Relevant reports and correspondence with other skilled practitioners
    - Diagnostic studies
    - Laboratory findings
    - Consultations
  - Reports and correspondence related to treating chiropractor's diagnostic studies
    - Laboratory findings
    - Consultations including
      - Rationale for the service
      - Rationale for consult and findings
      - Conclusions
      - Recommendations
- Copy of discharge if patient has a current authorization with a different provider and is seeking services with a new provider
  - Treatment should not duplicate services provided in multiple settings.
- Appropriate consent forms should be included when applicable
- A key or summary of terms when non-standard abbreviations are used.
- Any corrections to the patient's record must be made legibly in permanent ink (single line through the error), dated, and authenticated by the person making the correction(s)
  - Electronic documentation should include the appropriate mechanism indicating that a change was made without the deletion of the original record

## **Evaluation (1,2)**

The evaluation documentation must include:

- Support the medical need for a course of treatment through:

- Objective findings
- Detailed clinical observations
- Subjective self-reporting
- Patient's prior medical, familial, and social history
- Baseline evaluation
  - Current and prior functional status (functional mobility and ADL deficits)
- Systems review consistent with the nature of the complaint(s) and relevant historical information
- Objective measures and/or standardized orthopedic and neurological testing demonstrating a decline in functional status
  - Assessment tools used during the evaluation should be valid, reliable, relevant, and supported by appropriate chiropractic best practices guidelines
  - While outcome assessment measures are preferred, scores alone may not be used as the sole criteria for determining a patient's medical need for skilled intervention; test information must be linked to difficulty with or inability to perform everyday tasks
- In the absence of objective measures, the evaluation must include:
  - Detailed clinical observations of current skill sets
  - Patient interview/questionnaire, and/or informal assessment supporting functional mobility/ADL deficits
  - Medical need for skilled services
  - The reason formal testing could not be completed
- Functional outcome assessment and/or standardized test results with:
  - Raw scores
  - Standardized scores
  - Score interpretations
- Prognosis and rehab potential

## **Treatment Plan/Plan of Care (2,3)**

Plan of care must be individualized, goal-oriented, and aimed at restoring specific functional deficits.

**NOTE:** Treatment must not be focused on returning to activities beyond normal daily living.

The plan of care should clearly support why the skills of a licensed chiropractor are needed as opposed to discharge to self-management or non-skilled personnel without the supervision of a licensed chiropractor. If telehealth is included, the plan of care should clearly support why the skills of a licensed chiropractor are needed as opposed to discharge to self-management or non-skilled personnel without the supervision of a licensed chiropractor.

## ***Plan of care elements***

- The patient's age and date of birth
- Date of evaluation
- Medical history and background
- All diagnoses related to the patient's condition
- Contraindications to treatment
- Safety risks
- Date of onset or current exacerbation of the patient's condition
- Description of baseline functional status/limitations based on standardized testing administered or other assessment tools
- Patient's response to the evaluation process and interpretation of the evaluation results
- Prognosis for improvement
- Recommendations for the amount, frequency, and duration of services must:
  - Include what is required to achieve targeted outcomes
  - Be commensurate with the patient's level of disability
  - Demonstrate accepted standards of practice
  - Reflect clinical reasoning and current evidence
  - Not request visits that exceed the frequency and duration supported in the plan of care
    - Initial plan of care for a musculoskeletal condition should not exceed 4 weeks
- Patient-specific functional goals that are measurable, attainable, time-specific and sustainable
- Specific therapeutic interventions
- Predicted level of improvement in function (prognosis)
- Specific discharge plan

The plan of care should be reviewed at intervals appropriate to the patient and in accordance with state and third-party requirements. If a plan of care must be updated or altered, documentation must list all changes/updates, including but not limited to:

- New time frame for current treatment period
- Total number of visits from start of care
- Change in objective outcome measures and standardized testing compared to baseline and/or most recent re-assessment
- Measurable overall progress toward each goal, including whether goal has been met or not met (goals should be updated and modified as appropriate)
- Modification of treatment interventions in order to meet goals
- Collaboration with other services/professionals

- Measurable short- and long-term functional goals that are achievable within the length of time services are requested
- Individualized targeted outcomes that are linked to functional limitations outlined in the most recent evaluation
- Updated intervention and modality selections
  - Evidence-based and chosen to address the targeted goals
- Educational plan to include
  - Home exercises
  - ADL modifications
  - Self-management teaching
- Changed discharge recommendations (including education of the member in a home program)
- Date and signature of treating chiropractor

## Daily Treatment Note <sup>(3)</sup>

Daily notes should include:

- Standard type format (i.e., SOAP) and contain the date for return visits or follow-up
- Skilled treatment interventions that cannot be carried out solely by non-skilled personnel. All services and level of services must be supported by the documentation and include the clinical rationale for the treatment intervention, a time component, and goals, if needed.
- Assessment of patient's response or non-response to intervention and plan for subsequent treatment sessions, assessments, or updates
- Changes in clinical status (significant, unusual, or unexpected)

## Re-evaluation

Re-evaluations should not be routine or recurring; an established patient evaluation is indicated if any of the following apply:

- Patient presents with a new condition
- Significant or unanticipated change in symptoms or decline in functional status
- Assessment of response or non-response to treatment at a point in care when meaningful clinical change can reasonably be detected
- Basis for determining the need for change in the treatment plan/goals

The re-evaluation exceeds the parameters of the typical office visit and includes the following:

- Updated history
- Subjective symptoms
- Physical examination findings

- Appropriate standardized outcome tool/measurements as compared to the previous evaluation/reevaluation
- Evidence to support the need for continued skilled care
- Identify appropriate services to achieve new or existing treatment goals
- Revision in Treatment Plan (i.e., updated goals)
- Correlation to meaningful change in function
- Evidence of the effectiveness of the interventions provided (progress toward goals)

## Utilization Review

Clinical Guidelines have been developed to support medically necessary treatment as part of the peer review process.

Clinical documentation is evaluated when making utilization review determinations. The elements evaluated by a clinical reviewer include, but are not limited to:

- Whether treatment involves an initial trial of care or ongoing care
- Proposed services/procedures for initial trial or ongoing treatment
- Reported condition was acute, sub-acute, or chronic at the onset of care
- Exacerbation or significant flare-up (if applicable)
- Condition is trauma-related, insidious onset, or repetitive/overuse injuries as a result of activities of daily living
- Date of onset and mechanism of onset is specified
- History of the condition
- Interim history for recurrent episodes
- Pain (level, intensity, and frequency)
- Measurable and functional treatment goals are:
  - Appropriate
  - Time-specific
  - Monitored
- Outcome Assessment Tools
  - Utilized at pre-determined intervals
  - Treatment does not continue after further meaningful change would be minimal or difficult to measure
- Treatment demonstrates functional improvement that is sustained over time and meets
  - Minimum detectable change (MDC)
  - **And / Or**
  - Minimum clinically important change (MCIC) requirements
- All services billed meet CPT® coding requirements and supported by:

- Subjective complaints
- Objective findings
- Diagnoses
- Treatment performed
- Meet the requirements according to this organization’s Clinical Guidelines
- Demonstrated need for skilled services as opposed to home management or unskilled services
- Patients with mild complaints and minimal functional limitations are released to a home exercise program
- Treatment has exceeded 2-3 months for the same or similar condition
- Treatment is provided to patient on an “as needed” basis, without a treatment plan, functional goals, or sustained improvement

## Lack of Information

Reviewers determine that claims/requests have insufficient documentation when the medical documentation submitted is inadequate to support a request for services as medically necessary, such as an initial evaluation, recent progress note and/or the most recent daily treatment notes. Incomplete notes (for example, unsigned, undated, insufficient detail) may also result in a denial for lack of sufficient information.

## Confidentiality of Records

All contracted practitioners will treat patient identifiable health information according to HIPAA standards to ensure the confidentiality of the record and provide the minimum necessary information when requested to perform a review of services.

## CODING AND STANDARDS

### Applicable Lines of Business

☒	CHIP (Children’s Health Insurance Program)
☒	Commercial
☒	Exchange/Marketplace
☒	Medicaid
☒	Medicare Advantage

## BACKGROUND

### Medical Necessity

Medically necessary services are reasonable or necessary services that require the specific training, skills, and knowledge of a chiropractor in order to diagnose, correct, or significantly improve/optimize as well as prevent deterioration or development of additional physical health conditions. These services require a complexity of care that can only be safely and effectively performed by or under the general supervision of a licensed chiropractor.

- Services shall not be considered reasonable and medically necessary if:
  - They can be omitted without adversely affecting the member's condition or their quality of care
  - Simply because it is furnished by a licensed chiropractor
    - If a service can be self-administered or safely and effectively carried out by an unskilled person, without the direct supervision of a chiropractor, then it cannot be regarded as a skilled service even though a licensed chiropractor actually rendered the service.
    - The unavailability of a competent person to provide a non-skilled service resulting in the non-skilled service being rendered by a chiropractor does not make the service provided a skilled service
  - They include repetitive activities (exercises, skill drills) which do not require a licensed chiropractor's expertise (knowledge, clinical judgment and decision-making abilities) and can be learned and performed by the patient or caregiver
  - They are activities for general fitness, flexibility, sports-specific training enhancement or general tutoring for improvement in academic performance

Medically necessary care must be:

- **Contractual** – all health care services are determined by the practitioner's contract with the payer and individual health plan benefits.
- **Within Scope of Practice** – all health care services are limited to the scope of practice under all applicable state and national health care boards.
- **Within Standard of Practice** – all health care services must be within the practitioner's generally accepted standard of practice.
- **Considerate of Patient Safety** – all health care services must be delivered in the safest possible manner
- **A Medical Service** – all health care services must be medical, not social or convenient, for the purpose of evaluating, diagnosing, and treating an illness, injury, or disease and its related symptoms and functional deficit.
  - These services must be appropriate and effective regarding type, frequency, level, duration, extent, and location of the enrollee's diagnosis or condition
- **Considerate of Setting** – all health care services must be delivered in the least intensive setting
- **Considerate of Cost** – the practitioner must deliver all health care services in the most cost-effective manner as determined by this organization, the health plan, and/or employer

- No service should be more costly than an alternative diagnostic method or treatment that is at least as likely to provide the same diagnostic or treatment outcome
- **Supported by Clinical Guidelines**— health care services meet all of the Clinical Guidelines of this organization.

## Medical History

The Medical History includes all of the following:

- The History of Present Illness (HPI)
  - includes the location, quality, severity, duration, timing, context, modifying factors that are associated with the signs and symptoms
- A Review of Systems (ROS)
  - 13 systems (musculoskeletal/neurological, etc.) and constitutional symptoms; should also address communication/language ability, affect, cognition, orientation, consciousness
- Past Medical, Family and Social History (PFSH)
  - includes the patient's diet, medications, allergies, hospitalizations, surgeries, illness or injury, the family health status, deaths, problem-related diseases, and
- The patient's social status
  - includes marital status, living conditions, education/occupation, alcohol/drug use, sexual history

## Definitions

**Physical Examination (PE):** Examination of the body areas that includes the head, neck, chest, abdomen, back, and extremities, and the organ systems (11), constitutional, eyes, ENT, CV, GI, GU, musculoskeletal, skin, neurological, psychiatric, lymphatic, immunological, and hematological.

**New Patient:** The patient has not been seen at any time by any practitioner within the same group practice, for any purpose, within the last 3 years.

## POLICY HISTORY

Date	Summary
November 2024	<ul style="list-style-type: none"> <li>● This guideline replaces Evolent Clinical Guideline 606-02 for Record Keeping and Documentation Standards: Chiropractic Care</li> <li>● Updated references</li> <li>● Removed section on E&amp;M Coding</li> <li>● Removed Scope</li> </ul>
December 2023	<ul style="list-style-type: none"> <li>● No content changes</li> </ul>

## LEGAL AND COMPLIANCE

### Guideline Approval

#### Committee

Reviewed / Approved by Evolent Specialty Clinical Guideline Review Committee

#### Disclaimer

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2. National Committee for Quality Assurance. Guidelines For Medical Records Documentation. 2018; Accessed: August 27, 2024. [https://www.ncqa.org/wp-content/uploads/2018/07/20180110\\_Guidelines\\_Medical\\_Record\\_Documentation.pdf](https://www.ncqa.org/wp-content/uploads/2018/07/20180110_Guidelines_Medical_Record_Documentation.pdf).
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# Evolut Clinical Guideline 1507 for Passive Treatment

<b>Guideline Number:</b> Evolut_CG_1507		
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## TABLE OF CONTENTS

<b>STATEMENT</b> .....	<b>2</b>
GENERAL INFORMATION .....	2
PURPOSE .....	2
SCOPE .....	2
<b>INDICATIONS</b> .....	<b>2</b>
DOCUMENTATION REQUIREMENTS .....	2
APPROPRIATE USE .....	2
<i>Clinically Appropriate Use of Passive Treatment</i> .....	2
<i>Clinically Inappropriate Use of Passive Treatment</i> .....	3
<i>Exclusions</i> .....	3
PROCEDURES AND MODALITIES .....	3
<i>Thermotherapy/Cryotherapy</i> .....	3
<i>Light Therapy (aka Phototherapy)</i> .....	4
<i>Electrical Stimulation Therapy</i> .....	4
<i>Mechanical Therapy</i> .....	4
<i>Therapeutic Massage and Manual Therapy</i> .....	4
<b>CODING AND STANDARDS</b> .....	<b>5</b>
APPLICABLE LINES OF BUSINESS .....	5
<b>BACKGROUND</b> .....	<b>5</b>
DEFINITIONS .....	5
<b>POLICY HISTORY</b> .....	<b>6</b>
<b>LEGAL AND COMPLIANCE</b> .....	<b>6</b>
GUIDELINE APPROVAL .....	6
<i>Committee</i> .....	6
DISCLAIMER .....	6
<b>REFERENCES</b> .....	<b>7</b>

## STATEMENT

### General Information

*It is an expectation that all patients receive care/services from a licensed clinician. All appropriate supporting documentation, including recent pertinent office visit notes, laboratory data, and results of any special testing must be provided. If applicable: All prior relevant imaging results and the reason that alternative imaging cannot be performed must be included in the documentation submitted.*

### Purpose

This organization does not recognize the use of multiple passive treatments for the care of musculoskeletal pain as within the scope of network practitioners. Most passive treatments have similar physiological effects related to pain control and reduction of inflammation. The use of treatments with duplicative physiological effects is unnecessary and inappropriate.

All recommendations in this guideline reflect practices that are evidence-based and/or supported by broadly accepted clinical specialty standards.

### Scope

This guideline applies to all physical medicine participating network practitioners, including rendering chiropractors, physical therapists, occupational therapists, speech therapists, and therapist assistants as applicable. This guideline also applies to out of network practitioners as dictated by the health plan.

## INDICATIONS

### Documentation Requirements

The treatment plan or plan of care must include the clinical rationale for each service, a description of the service, the area of the body for which the service will be provided, goals for each service, and a time component, if indicated.

### Appropriate Use

#### ***Clinically Appropriate Use of Passive Treatment***

- The initial period of an episode of treatment or exacerbation of a sub-acute or chronic condition for pain control, reduction of inflammation, or reduction of muscle spasm
  - Most studies show the duration of treatment effectiveness was typically reported as short (2 weeks to 2 months).
- When there are no contraindications to the intervention
- Self-administration is implausible or places the patient at risk of harm.
- Used primarily during the initial period of an episode of treatment.
- Used to support an active care approach (i.e., therapeutic exercise)
  - Most international guidelines recommend these interventions should only be reservedly used based upon individual circumstances and not as a principal

component of a treatment regime.

- Used for a particular condition for which there is an evidence-basis of significant benefit.

### ***Clinically Inappropriate Use of Passive Treatment***

- When patient safety is jeopardized by the application of the modality
- When the treatment can safely and effectively be administered by the patient or another individual
- Used during a course of treatment, which continues beyond the initial period.
  - As a condition progresses passive care should be replaced by active treatment modalities, such as therapeutic exercise. Insufficient evidence exists to support the continued use of passive treatment as a means for improved clinical outcomes.
- Used as the primary or sole therapy.
- More than two passive treatments are used involving the same body region(s)
- Used largely for the comfort and convenience of the patient.
- Used as part of the routine office protocol.

### ***Exclusions***

- The use of chiropractic manipulation (CPT codes: 98940 - 98943) is not considered a duplication of service or physiological effect when used in conjunction with passive treatment, except for the following:
  - The National Correct Coding Initiative (NCCI) edits require that the manual therapy techniques be performed in a separate anatomic site than the chiropractic adjustments in order to be reimbursed separately.

## **Procedures and Modalities**

### ***Thermotherapy/Cryotherapy***

The superficial or deep application of heat or cold.

- Superficial
  - Hot/cold packs
  - Paraffin bath
  - Whirlpool
- Deep
  - Diathermy
  - Microwave
  - Ultrasound (US)

**NOTE:** Thermal therapy has been found to be most successful in the short-term relief of musculoskeletal pain but is also often used in conjunction with other therapies to improve outcomes. <sup>(1,2)</sup>

**NOTE:** Ultrasound therapy is used as both thermal therapy and mechanical therapy <sup>(3)</sup> and may provide short-term pain relief for knee osteoarthritis. <sup>(4,5)</sup>

### ***Light Therapy (aka Phototherapy)***

Light concentrated in a narrow beam to excite cells in local tissues.

- Ultraviolet
- Infrared
- Laser therapy
  - Low level
  - High level

**NOTE:** Ultraviolet therapy is primarily used to treat skin disorders and promote wound healing.

**NOTE:** Both low (including infrared) and high level laser therapy have been shown effective in reducing pain and as adjuncts to other physical therapy modalities. <sup>(4,6,7)</sup>

### ***Electrical Stimulation Therapy***

- Administration of an electrical current to a specific, localized body site.
- Volt
  - High
  - Low
- Interferential current (IFC)
- Transcutaneous electrical nerve stimulation (TENS)
- Neuromuscular electrical stimulation (NMES)

**NOTE:** IFC and TENS have consistently been found to reduce pain during and shortly after application, helping facilitate other therapies and/or improving outcomes. <sup>(8,9)</sup>

### ***Mechanical Therapy***

Mechanically assisted and often sustained pull of the spine or limb

- Traction

**NOTE:** Lumbar traction has been shown to be effective in relieving low back pain and lumbar radiculopathy. <sup>(10,11)</sup>

**NOTE:** Cervical traction may offer some short-term pain relief for neck pain and cervical radiculopathy. <sup>(12,13)</sup>

### ***Therapeutic Massage and Manual Therapy***

Includes but not limited to:

- Active Release Technique
- Trigger point therapy
- Myofascial release

- Mobilization/manipulation
- Manual lymphatic drainage
- Manual traction

**NOTE:** A range of manual therapies have been found to be effective in treating tension-type headaches. <sup>(14,15)</sup>

**NOTE:** Manual therapies can decrease pain, increase range of motion, and improve functionality in a range of musculoskeletal conditions, including osteoarthritis. <sup>(4,16,17)</sup>

## CODING AND STANDARDS

### Applicable Lines of Business

☒	CHIP (Children’s Health Insurance Program)
☒	Commercial
☒	Exchange/Marketplace
☒	Medicaid
☒	Medicare Advantage

## BACKGROUND

### Definitions

**Modality:** any group of agents that may include thermal, acoustic, radiant, mechanical, or electrical energy to produce physiologic changes in tissues for therapeutic purposes. Modalities affect tissue at the cellular level.

**Multiple Modalities:** the use of and/or billing of two or more physical medicine modalities each visit or during the same session to the same region.

**Passive Treatment:** treatment that is applied by the provider or in a clinical setting and does not involve active participation by the patient.

**Procedure:** a service provided to increase the functional abilities in self-care, mobility, or safety.

## POLICY HISTORY

Date	Summary
November 2024	<ul style="list-style-type: none"> <li>● This guideline replaces Evolent Clinical Guideline 604 for Passive Treatment</li> <li>● Updated references</li> <li>● Added knee osteoarthritis to ultrasound section</li> </ul>
December 2023	<ul style="list-style-type: none"> <li>● Clinical guidance was reorganized to emphasize indications rather than contraindications</li> </ul>

## LEGAL AND COMPLIANCE

### Guideline Approval

#### Committee

Reviewed / Approved by Evolent Specialty Clinical Guideline Review Committee

### Disclaimer

*Evolent Clinical Guidelines do not constitute medical advice. Treating health care professionals are solely responsible for diagnosis, treatment, and medical advice. Evolent uses Clinical Guidelines in accordance with its contractual obligations to provide utilization management. Coverage for services varies for individual members according to the terms of their health care coverage or government program. Individual members' health care coverage may not utilize some Evolent Clinical Guidelines. A list of procedure codes, services or drugs may not be all inclusive and does not imply that a service or drug is a covered or non-covered service or drug. Evolent reserves the right to review and update this Clinical Guideline in its sole discretion. Notice of any changes shall be provided as required by applicable provider agreements and laws or regulations. Members should contact their Plan customer service representative for specific coverage information.*

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# Evolut Clinical Guideline 1500 for Active Procedures in Physical Medicine

<b>Guideline Number:</b> Evolut_CG_1500		
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## TABLE OF CONTENTS

<b>STATEMENT</b> .....	<b>3</b>
GENERAL INFORMATION.....	3
PURPOSE .....	3
SPECIAL NOTE .....	3
SCOPE.....	3
CLINICAL REASONING .....	3
<b>MANAGEMENT OF CARE</b> .....	<b>3</b>
<b>DOCUMENTATION REQUIREMENTS</b> .....	<b>3</b>
MEDICAL NECESSITY .....	3
THERAPY SERVICES .....	4
BILLING UNITS.....	5
<b>INDICATIONS</b> .....	<b>5</b>
97110 - THERAPEUTIC EXERCISE.....	5
<i>Defined</i> .....	5
<i>Parameters</i> .....	5
<i>Services Support</i> .....	6
<i>Noncompliance</i> .....	7
97112 - NEUROMUSCULAR RE-EDUCATION .....	7
<i>Defined</i> .....	7
<i>Services Support</i> .....	7
97113 - AQUATIC THERAPY .....	8
<i>Defined</i> .....	8
<i>Services Support</i> .....	8
97116 - GAIT TRAINING .....	8
<i>Defined</i> .....	8
<i>Services Support</i> .....	8
97760 - ORTHOTICS MANAGEMENT AND TRAINING.....	9
<i>Defined</i> .....	9
<i>Additional Information</i> .....	9
<i>Services Support</i> .....	9
97761 - PROSTHETIC TRAINING .....	10
<i>Defined</i> .....	10
<i>Services Support</i> .....	10
97763 - CHECKOUT FOR ORTHOTIC/PROSTHETIC USE - ESTABLISHED PATIENT.....	10
<i>Defined</i> .....	10

<i>Services Support</i> .....	10
97530 - THERAPEUTIC ACTIVITIES.....	10
<i>Defined</i> .....	10
<i>Services Support</i> .....	10
97129 - COGNITIVE SKILLS DEVELOPMENT.....	11
<i>Defined</i> .....	11
<i>Services Support</i> .....	11
97533 - SENSORY INTEGRATION.....	11
<i>Defined</i> .....	11
<i>Additional Information</i> .....	11
<i>Services Support</i> .....	12
97535 - SELF-CARE/HOME MANAGEMENT TRAINING.....	12
<i>Defined</i> .....	12
<i>Services Support</i> .....	12
97542 - WHEELCHAIR MANAGEMENT AND TRAINING.....	13
<i>Defined</i> .....	13
<i>Services Support</i> .....	13
97537 - COMMUNITY WORK REINTEGRATION.....	13
<i>Defined</i> .....	13
<i>Additional Information</i> .....	13
<i>Services Support</i> .....	14
97545 - WORK HARDENING/CONDITIONING.....	14
<i>Defined</i> .....	14
<i>Additional Information</i> .....	15
<i>Services Support</i> .....	15
<b>CODING AND STANDARDS</b> .....	<b>16</b>
APPLICABLE LINES OF BUSINESS.....	16
<b>BACKGROUND</b> .....	<b>16</b>
HEALTH CARE PROVIDERS.....	16
SERVICES.....	16
<i>Overview</i> .....	16
<i>Skilled</i> .....	17
<i>Unskilled</i> .....	17
<i>Reasonable and Necessary</i> .....	17
<i>Objective Evidence</i> .....	17
<b>POLICY HISTORY</b> .....	<b>18</b>
<b>LEGAL AND COMPLIANCE</b> .....	<b>19</b>
GUIDELINE APPROVAL.....	19
<i>Committee</i> .....	19
DISCLAIMER.....	19
<b>REFERENCES</b> .....	<b>20</b>

## STATEMENT

### General Information

*It is an expectation that all patients receive care/services from a licensed clinician. All appropriate supporting documentation, including recent pertinent office visit notes, laboratory data, and results of any special testing must be provided. If applicable: All prior relevant imaging results and the reason that alternative imaging cannot be performed must be included in the documentation submitted.*

### Purpose

This guideline will assist the physical medicine provider to accurately choose the appropriate service(s) when indicated for case management. All recommendations in this guideline reflect practices that are evidence-based and/or supported by broadly accepted clinical specialty standards.

### Special Note

Evidence shows active care services support outcomes when used alone or in combination with manual-based treatments, and/or passive care services. <sup>(1,2)</sup>

### Scope

This guideline applies to all physical medicine participating network practitioners<sup>‡</sup> who provide active procedures, data/claims processing, and peer reviews.

### Clinical Reasoning

Interventions chosen to treat the patient's symptoms/conditions should be based on the most effective and efficient means of achieving the patient's functional goals. <sup>(3)</sup>

## MANAGEMENT OF CARE

Introduction and management of active care procedures should begin as soon as clinically possible and when the patient exhibits sufficient range of motion/functional ability. Beneficial and effective active care services should generally be provided within the first two weeks of intervention. <sup>(4)</sup>

## DOCUMENTATION REQUIREMENTS

### Medical Necessity

Written documentation should indicate services meet the requirements for medical necessity and should include the following <sup>(5)</sup>:

- Services are skilled
- Skilled services are required **AND** provided by skilled clinicians<sup>‡</sup> (or qualified professionals when appropriate with approval of a physician/NPP)

- Skilled clinicians must have the expertise, knowledge, clinical judgment, and decision-making abilities that otherwise caretakers and patients do not have independently
- Skilled clinicians must apply their skills and actively participate in the treatment of the patient during each progress report period and document skilled treatment provided or modification to skilled treatment
- Services are safe and effective

## Therapy Services

- Evaluation and Plan of Care (by skilled clinician) must include <sup>(5)</sup>:
  - Initial and re-evaluations
    - Necessity for course of therapy through objective findings and subjective patient self-reporting
    - Patient-specific need for care and intervention (activities of daily living [ADL], mobility, and safety)
    - Timeline for initiating, progressing, and discharging patient from skilled services
    - Specific treatment parameters to support the intervention (appropriate service type, frequency, intensity, and duration for individual need of the patient)
    - Measurable goals that support the identified intervention with identified precautions
- Progress Reports or daily treatment notes should include <sup>(5)</sup>:
  - Justification for the medical necessity of treatment or treatment change
  - Functional improvement as a result of improved objective and/or outcome assessment measures
  - Clear evidence of recent and significant progress with treatment which could be indicated by progress towards functional goals
  - Clear evidence to support the continued need of a skilled medical provider
  - If there is a lack of progress, justification for continued treatment
  - Any barriers to establishing an independent home program
- Documentation includes:
  - Specific skilled services that are being provided
  - Medical necessity of the interventions performed
  - Supportive evidence for the number of visits (including excess to the standards for treatment of musculoskeletal conditions)
  - Functional improvement (as a result of skilled interventions)
  - Specify evidence that skilled services of a physical medicine provider/practitioner<sup>‡</sup> are needed (beyond establishment of the program)
  - Specify evidence that interventions are part of a comprehensive rehab program with the goal of improving the functional status

- Plan of care guided by functional impairments (not the intervention itself)

## Billing Units

This organization follows Medicare rules for reporting timed units. <sup>(6)</sup> Billing units are based on 15 minutes per unit for time-based codes. The units listed below are the Medicare minimum time requirement for a service to be justifiably billed.

- 1 unit ≥ 8 through 22 minutes
- 2 units ≥ 23 through 37 minutes
- 3 units ≥ 38 through 52 minutes
- 4 units ≥ 53 through 67 minutes
- 5 units ≥ 68 through 82 minutes
- 6 units ≥ 83 through 97 minutes
- 7 units ≥ 98 through 112 minutes
- 8 units ≥ 113 through 127 minutes

**NOTE:** States may have varying statutory guidelines for reporting timed units that supersede Medicare rules.

## INDICATIONS

### 97110 - Therapeutic Exercise

#### *Defined*

- Therapeutic exercise is any exercise planned and performed to attain a specific goal (increase strength, endurance, range of motion, and flexibility)
- Therapeutic procedures/exercise could be applied to one or more areas and billed in units as noted above

#### *Parameters*

The following must be documented in the medical record to support/justify the use of all therapeutic procedures and exercises:

- Detailed active care services including:
  - Which exercise(s) were provided
  - What body area (including muscle groups) the exercise(s) target
  - Service/exercise
    - Amount and type of resistance
    - Number of repetitions and sets
    - Time component
- Evidence to support the need for the patient's skilled services completed by a licensed professional<sup>‡</sup>

The initiation of appropriate therapeutic procedures/exercise begins as soon as the patient is reasonably able to engage in the planned activity. The expectation is for the patient to learn and perform therapeutic exercises with a detailed home exercise program within a reasonable timeframe. <sup>(7,8)</sup>

The use of high tech fitness equipment (e.g., MedX equipment, cervical/lumbar extension machines, Isostation B-220 Lumbar Dynamometer, Cybex Back System, exoskeleton systems) lacks evidence of improved outcomes compared to the use of standard exercise equipment. <sup>(9)</sup>

## **Services Support**

The following are indications of the skilled services required to support the use of therapeutic exercise (supportive evidence documented). Without documented evidence the records would suggest the patient is 'working out' in the clinical setting (considered not medically necessary and not eligible for reimbursement).

- Loss or restriction of joint motion, reduced strength, and functional capacity or mobility concerns
  - The clinical records need to objectively validate (quantitative if possible) the loss of ROM, strength, flexibility, or functional mobility
  - The therapeutic exercise code is generally **NOT** reimbursable for
    - Increasing a patient's endurance without deficits
    - Promotion of overall fitness
    - Weight loss
    - Return to work
    - Return to sports (sports/recreation and/or sports/aerobic conditioning)
- Services are required and provided by skilled clinicians<sup>‡</sup> (or qualified professionals when appropriate with approval of a physician/NPP)
- Patient competency and compliance with instructions require
  - One to three billing units at a time
  - > 3 billing units needs supported clinical documentation
- In-office patient exercise
  - 1-3 sessions for the non-surgical patient
    - Ensure competency and compliance with a home exercise program
  - > 3 sessions
    - Document reason(s) the patient is unable to participate in a home exercise program
    - Active care program may include periodic review as part of case management in regard to monitoring continued therapeutic benefit and progression
    - Case management should outline
      - Patient compliance
      - Alterations and progression to active home care program

- Anticipated termination date for skilled in-office services

### ***Noncompliance***

- Patient non-compliance with active home instructions
  - In-office instruction will no longer be medically necessary
  - Patient will be discharged for non-compliance, acting against medical advice

## **97112 - Neuromuscular Re-Education** <sup>(10,11)</sup>

### ***Defined***

- Neuromuscular re-education is a series of therapeutic techniques of movement, balance, coordination, kinesthetic sense, posture, and proprioception to restore normal function of nerves and muscles
  - Neuromuscular deficits requiring re-education may be associated with stroke, closed head injury, spinal cord injury, tumor, congenital disorders (cerebral palsy, genetic conditions, or secondary to degenerative joint disease), musculoskeletal injury (ankle sprain, post orthopedic surgery, or prolonged immobilization) <sup>(12)</sup>
- Neuromuscular re-education may be considered medically necessary if at least **ONE** of the following conditions is present (documented)
  - The loss of deep tendon reflexes and vibration sense accompanied by
    - Paresthesia, burning, or diffuse pain of the feet, lower legs, and/or fingers
  - Nerve palsy (e.g., peroneal nerve injury causing foot drop)
  - Muscular weakness or flaccidity from
    - Cerebral dysfunction
    - Nerve injury or disease
    - Spinal cord disease
    - Trauma
  - Muscle compensations requiring targeted exercise to produce stable, coordinated movements during functional tasks <sup>(13)</sup>
  - Peripheral or central vestibular dysfunction causing dizziness, vertigo, imbalance, or disequilibrium that supports the use of Vestibular Balance and Rehabilitation Therapy (VBRT) <sup>(14,15)</sup>

### ***Services Support***

The following are indications of the skilled services required to support the use of neuromuscular re-education (supportive evidence documented):

- Document the need for individual, in direct contact skilled therapy services by a licensed professional<sup>‡</sup>
- Document the injury to the neuromuscular skeletal system and the therapeutic procedure(s)
- Provide and document home care instructions and education

## 97113 - Aquatic Therapy

### **Defined**

- Aquatic therapy is the skilled practice by a qualified clinician directed towards an individual and involves the use of therapeutic exercise techniques with the properties of water to improve function
- Aquatic therapy treatment aims to improve circulation, decrease venous pooling, increase endurance with less stress on weight-bearing joints, and enhancement of balance and coordination as a result of the buoyancy obtained from an aquatic environment.
- Aquatic therapies include:
  - Clinical Ai Chi <sup>(16)</sup>
  - Aquatic PNF <sup>(17)</sup>
  - Bad Ragaz Ring Method (BRRM) <sup>(18)</sup>
  - Halliwick-Therapy <sup>(19)</sup>
  - Watsu (WaterShiatsu) <sup>(20)</sup>
  - Aquatic Cardiovascular Training (ACT) <sup>(21)</sup>

### **Services Support**

The following are indications of the skilled services required to support the use of aquatic therapy (supportive evidence documented):

- Document the need for individual, direct-contact skilled therapy services by a licensed professional<sup>‡</sup>
- Provided in a pool of water deemed safe and appropriate for patient therapy
- Provide the patient's medical necessity for aquatic therapy (e.g., buoyancy, hydrostatic pressure, and heat) to transition to standard land-based therapy and the anticipated reasonable timeframe to make that transition

## 97116 - Gait Training

### **Defined**

- Training the patient to ambulate on varied surfaces and stair climbing with or without an assistive device; this includes training in rhythm, speed, sequencing, and safety

### **Services Support**

The following are indications of the skilled services required to support the use of gait training (supportive evidence documented):

- Consider the contextual factors that affect the patient's ability to participate in meaningful ADLs <sup>(22)</sup>
- Gait training and ambulation interventions should directly address functional mobility
- Document the need for individual skilled therapy services by a licensed professional
- Document deficits in gait parameters including:

- Walking speed
- Cadence
- Stride length and balance
- Functional ambulation category scores
- Document if body-weight support (BWS) systems, unweighting devices, or assistive devices are used
- Documentation should include the assessment of the phases of gait to include:
  - Stance phase
  - Stride length
  - Balance issues
  - Ankle, knee, hip, and low back impact during the phases of gait cycle

## **97760 - Orthotics Management and Training**

### ***Defined***

- Assessment and fitting when not reported as a separate L HCPCS code (L-code)
- Fitting and training
- Upper or Lower extremity (extremities) and/or trunk, each 15 minutes

### ***Additional Information***

- Applies to custom-fabricated or adjustments to over-the-counter orthotics
- Orthotics management refers to time spent assessing the need, type, fitting and fabrication of the orthotic (if fabrication is done in the presence of the patient)
- Code **cannot** be used if the orthotic is fabricated or formed without the patient being present
- Training in the care and use of the orthotic device
- Supplies and time for orthotic fabrication is typically reported under L-codes (If an L-code is **NOT** used to report the orthotic then the time assessing and fitting/fabricating would be reported under code 97760)

### ***Services Support***

The following are indications of the skilled services required to support the use of orthotic management and training (supportive evidence documented):

- Document the need for individual skilled therapy services by a licensed professional<sup>‡</sup>
- Orthotics require documented support
  - Proper examination (not vendor specific evaluation)
  - Outline the causal nexus to justify inclusion (all complaints other than foot-based)
    - Foot-based complaints need further notation as to the fault/deficit present requiring custom orthotics versus heel lift or over-the-counter orthotics.

- Patient should typically not be seen more than once per calendar year for one set of orthotics
- Orthotic use is based on plan benefit

## **97761 - Prosthetic Training**

### ***Defined***

- Assessment of the functional mobility and ADLs (Activities of Daily Living) while training and practicing with the prosthesis
- Training with the prosthesis (upper and/or lower extremity)
  - Instruction and practice in use of prosthesis

### ***Services Support***

The following are indications of the skilled services required to support the use of prosthetic training (supportive evidence documented)

- New prosthetic device or adjustments to current prosthetic device to improve function

## **97763 - Checkout For Orthotic/Prosthetic Use - Established Patient**

### ***Defined***

- Training and management of subsequent encounters for orthotic(s) or prosthetic(s) for the upper/lower extremity(ies) and/or trunk

### ***Services Support***

- Document the need for individual skilled therapy services by a licensed professional<sup>‡</sup>

## **97530 - Therapeutic Activities**

### ***Defined***

- Dynamic activities in teaching/training the patient to improve functional performance in a progressive manner

### ***Services Support***

The following are indications of the skilled services required to support the use of therapeutic activities (supportive evidence documented):

- Document the need for individual skilled therapy services by a licensed professional<sup>‡</sup>
- Coverage for therapeutic activities - **ALL** of the following requirements must be met:
  - The patient has a condition for which therapeutic activities can reasonably be expected to restore or improve function
  - The patient is unable to perform therapeutic activities (due to condition) except under the direct supervision of a skilled and licensed therapy services professional

- Correlation between the patient's underlying medical condition and the type of exercise performed for which the therapeutic activities were prescribed
- The therapeutic exercise code is generally **NOT** reimbursable for:
  - Increasing a patient's endurance without deficits
  - Promotion of overall fitness
  - Weight loss
  - Return to work
  - Return to sports (sports/recreation **and/or** sports/aerobic conditioning)

## **97129 - Cognitive Skills Development**

### ***Defined***

- Therapeutic interventions focusing on cognitive function for:
  - Attention
  - Memory
  - Reasoning
  - Executive function
  - Problem solving
  - Pragmatic functioning
- Compensatory strategies to manage performance related to functional ADLs
  - Managing time or schedules
  - Initiating, organizing, and sequencing tasks

### ***Services Support***

The following are indications of the skilled services required to support the use of cognitive skills development (supportive evidence documented):

- Document the need for individual skilled therapy services by a licensed professional<sup>1</sup>
- Document cognitive deficits (quantifiable)

## **97533 - Sensory Integration**

### ***Defined***

- Treatment techniques to enhance sensory processing and adaptive responses to environmental demands
- Improve how the brain processes sensory information, organizes and responds appropriately for complex learning behavior

### ***Additional Information***

- Sensory integration (SI) therapy - treatment of developmental, environmental, or acquired brain disorders in patients with established dysfunction of sensory

processing which may be associated with:

- Neurodevelopmental Disorders such as Autism Spectrum Disorder, Attention Deficit Hyperactivity Disorder (ADHD), Intellectual Disability, Conduct Disorders, and Language Communication Disorders that may be caused from:
  - Fetal alcohol syndrome
  - Genetics
  - Neurotransmitter imbalance
  - Illness
  - Brain injury
- Therapy activities may provide one or more of the following stimuli with the intent to help organize the sensory system and promote adaptive responses to environmental demands:
  - Vestibular
  - Proprioceptive
  - Tactile
  - Visual
  - Auditory

**NOTE:** Sensory Integration differs from neuromuscular re-education (97112). Neuromuscular re-education focuses on training to restore the ability to perform particular activities versus training to enhance sensory processing and adaptive responses.

### ***Services Support***

The following are indications of the skilled services required to support the use of sensory integration treatment (supportive evidence documented):

- Document the need for individual skilled therapy services by a licensed professional<sup>1</sup>
- Document sensory processing deficits impacting functional skills
- Sensory integration therapy provided by occupational and physical therapists

## **97535 - Self-Care/Home Management Training**

### ***Defined***

- Instructing and training the patient in self-care and home management activities (ADL/IADLs)
  - Compensatory training
  - Safety procedures
  - Instruction in the use of assistive technology devices and adaptive equipment

### ***Services Support***

The following are indications of the skilled services required to support the use of self-care/home management training (supportive evidence documented):

- Document the need for individual skilled therapy services by a licensed professional<sup>‡</sup>
- Document the related ADL instruction to the patient's expected functional goals and indicate it is part of an active treatment plan directed at a specific goal

## **97542 - Wheelchair Management and Training**

### ***Defined***

- Assessment, fitting, and adjustment of the wheelchair and seating
- Instructing the patient and/or caregiver on how to propel and safely operate the wheelchair

**NOTE:** 97001 and 97002 cannot be billed with this code

### ***Services Support***

The following are indications of the skilled services required to support the use of wheelchair management and training (supportive evidence documented):

- Document the need for individual skilled therapy services by a licensed professional<sup>‡</sup>
- Document the current event that prompted a skilled wheelchair assessment
- Document results of prior wheelchair assessments
- Document functional level (current and previous)
- Document interventions attempted by nursing staff, caregivers, and/or the patient to address poor seating or positioning
- Documentation correlates the training provided to expected functional goals by the patient and/or caregiver
- Document the response of the patient to the instruction or fitting

## **97537 - Community Work Reintegration**

**NOTE:** 97537 Community work reintegration is **typically not a covered service.**

### ***Defined***

- Instructing and training the patient in community and/or work re-integration activities<sup>(23,24)</sup>.
  - Shopping
  - Safely accessing transportation sources
  - Money management
  - Avocational activities or work environment modification analysis
  - Work task analysis
  - Assistive technology devices and/or use of adaptive equipment

### ***Additional Information***

- Community reintegration is performed in conjunction with other therapeutic

procedures such as:

- Gait training
- Self-care or home management training
- Billing is often bundled into the payment for other services; other services are not usually reimbursed separately
- The following services on assistive technology devices and/or adaptive equipment provided to the patient by a third-party payer are not covered if the devices/equipment are not covered by the third-party payer:
  - Issue
  - Modify
  - Adjust
  - Educate
- Services related to the listed items are not considered reasonable and necessary for the diagnosis and treatment of an illness or injury and are excluded from coverage according to Section 1862(a)(1)(A) of the Social Security Act <sup>(25)</sup>:
  - Employment opportunities
  - Work skills
  - Work

### ***Services Support***

The following are indications of the skilled services required to support the use of community work reintegration (supportive evidence documented):

- Document the need for individual skilled therapy services by a licensed professional<sup>‡</sup>

### **97545 - Work Hardening/Conditioning**

**NOTE:** 97545 Work hardening/conditioning is **typically not a covered service.**

**NOTE:** 97545 is for initial 2 hours, use 97546 for each additional hour with 97545.

### ***Defined***

- Job simulation tasks, exercises, and educational activities related to a safe return to work
- Interdisciplinary approach to restore physical, behavioral, and/or vocational functions
- Work conditioning programs are designed to address neuromuscular functions, such as:
  - Flexibility
  - Strength
  - Endurance
  - Range of motion
  - Cardiopulmonary functions

### ***Additional Information***

- Work-induced injury and/or impairment that resulted in the need for therapeutic exercises/procedures
- Completed acute medical care (chiropractic or rehabilitation treatment) by the patient may require a comprehensive and individualized program for safely returning to work
- Patient may begin a work hardening and/or work conditioning program
  - Patient will participate in a program for at least two hours a day, three days a week up to eight hours a day, five days a week
  - Activities in the program may include:
    - Exercise regimen
    - Simulation of specific or general work requirements
    - Training and/or modifications of activities of daily living
    - Injury prevention training
    - Cognitive-behavioral pain management
    - Occupational/educational training

### ***Services Support***

The following are indications of the skilled services required to support the use of work hardening/conditioning (supportive evidence documented):

- Documentation the patient had an injury and/or impairment within the last 12 months
- Documentation the patient has received acute rehabilitation services and is expected to return to his/her previous employment
- Document the patient's limitations regarding:
  - Returning to work
  - Willingness to participate in the program
- Document plan of care (structured and goal-oriented), including discharge from skilled services and a reference to return to work
- Identify systemic neuromusculoskeletal deficits that interfere with work
- Document care is at the point of resolution for the initial or principal injury so that participation in the conditioning process is not prohibited
- Identify psychosocial and/or vocation problems and evidence of a referral to the appropriate professional

## CODING AND STANDARDS

### Applicable Lines of Business

☒	CHIP (Children’s Health Insurance Program)
☒	Commercial
☒	Exchange/Marketplace
☒	Medicaid
☒	Medicare Advantage

## BACKGROUND

### Health Care Providers

‡A qualified licensed health care provider (chiropractors, physical therapists, occupational therapists, physician assistants, speech therapists, physical therapist assistants, and occupational therapy assistants) by education, training, and licensure/regulation performs a professional service within his/her scope of practice and reports to health professional boards.

A clinical staff member works under the supervision of a qualified health care provider and is allowed by law or regulation to perform or assist in the performance of a specified professional service (e.g., physical therapy aide or speech language assistant).

A clinician may not merely supervise but must apply the skills of a professional by actively participating in the treatment of the patient. The skills of the clinician should be clearly documented (e.g., the clinician’s descriptions of their skilled treatment, changes made to the treatment due to a clinician’s assessment of the patient’s needs on the treatment day, changes due to progress the clinician judged sufficient to modify the treatment toward the next more complex or difficult task). <sup>(5)</sup>

## Services

### Overview

The patient’s medical condition is a factor in decisions about health care services, diagnosis or prognosis is not the lone basis in deciding that skilled care services are reasonable and necessary. The key judgment is if the skills of a qualified licensed health care provider are needed to treat the illness or injury or if the services can be carried out by unskilled personnel.

Skilled care services are not required to effect improvement or restoration of function when a patient suffers a transient (reversible loss) or reduction of function which could reasonably be expected to improve naturally as the patient gradually resumes normal activities. Skilled care services provided in these situations are **NOT** considered reasonable and necessary for the treatment of the individual’s illness or injury.

Health care services are considered 'active' when the patient takes part in the completion of the service and 'passive' when the patient receives services without any physical input or effort.

### ***Skilled***

The services outlined in this guideline require the provision of skilled therapy services by a qualified licensed health care professional<sup>‡</sup> and direct (one-on-one) provider-patient contact.

Skilled services must be part of a documented treatment plan to improve or restore lost or impaired physical function resulting from illness, injury, neurologic disorder, congenital defect, or surgery. Skilled care services enhance the rehabilitation and recovery by clarifying a patient's impairments, functional limitations and identifying interventions, treatment goals, and precautions.

### ***Unskilled***

Services that do not require the performance or supervision of a qualified health care provider are **NOT** skilled and are **NOT** considered reasonable or necessary services; even if they are performed or supervised by a qualified licensed health care professional.

Services (activities) for the general good and welfare of patients (e.g., general exercises to promote overall fitness or flexibility, activities to provide distraction or general motivation) do not constitute skilled services.

Unskilled services include palliative procedures that are repetitive or reinforce previously learned skills or services performed to maintain function.

### ***Reasonable and Necessary***

Skilled care services (reasonable and necessary) must be provided by a qualified health care provider, require a high level of complexity, or the services can only be safely and effectively performed by a qualified health care provider due to the condition of the patient.

Rehabilitative therapy services are designed to address recovery or improvement in function or restoration to a previous level of health and well-being. Improvement is evidenced by successive objective measurements resulting in improved functional outcomes (e.g., impairments and pain). If an individual's expected rehabilitation potential is insignificant in relation to the extent and duration of the therapy services required to achieve such potential, then rehabilitative therapy services is **NOT** reasonable and necessary.

### ***Objective Evidence***

Consists of serial standardized assessment tools, instruments, outcome measurements, or measurable assessments of functional outcome used to quantify functional progress of the patient and support justification for continued treatment. Examples of objective evidence include:

- Functional assessment from standardized and validated outcomes instruments; **OR**
- Functional assessment scores from tests and measurements that are validated in the professional literature, which are appropriate for the condition/function being measured

In isolation, objective measures (e.g., range of motion or manual muscle strength testing) are generally not considered to be functional assessment measurements of a patient.

## POLICY HISTORY

Date	Summary
November 2024	<ul style="list-style-type: none"> <li>● This guideline replaces Evolent_CG_608 for Active Procedures in Physical Medicine</li> <li>● CPT Codes removed from the Coding section</li> <li>● Editorial changes to match the formatting and layout of the Evolent template</li> </ul>
December 2023	<ul style="list-style-type: none"> <li>● The following sections had the listed 'examples' removed:               <ul style="list-style-type: none"> <li>○ 97110 – Therapeutic Exercise: Strengthening of select muscle groups (beginning in gravity-eliminated plane, if needed) progressing to anti-gravity plane utilizing body weight with progressive resistive exercises utilizing thera-tubing, exercise ball, free weights, etc.; closed chain exercises are often preferable to open chain exercises in preventing shearing forces and simulating functional activities); monitored graded exercise following cardiac or pulmonary surgery or heart attack; selective stretching to increase joint range of motion (ROM).</li> <li>○ 97112 – Neuromuscular re-education: Treatment involves the stimulation of reflexes, sensation, posture, proprioception and motor activity through rocker/BAPS board, mini-trampolines, targeted exercises to spastic or rigid muscles, balance training, proprioceptive neuromuscular facilitation (PNF), Feldenkrais, Bobath, neurodevelopmental treatment (NDT), and desensitization techniques</li> <li>○ 97116 – Gait training: Gait training can be useful for people with any condition needing to re-learn proper ambulation to allow for functional performance and mobility. Common conditions include amputation, osteoarthritis, muscular dystrophy, cerebral palsy, stroke, Parkinson's disease, multiple sclerosis, brain/spinal cord injuries, post-surgical, sports injury, and low back pain.</li> <li>○ 97530 – Therapeutic activities: Activities that address quantifiable deficits (e.g., loss of ROM, strength, or functional capacity) resulting in a deficit in functional mobility. Functional mobility may include bending, reaching, lifting, carrying, pushing, pulling, bed mobility and transfers</li> </ul> </li> <li>● Editorial changes – sections moved for better reading flow</li> <li>● References updated</li> </ul>

## LEGAL AND COMPLIANCE

### Guideline Approval

#### **Committee**

Reviewed / Approved by Evolent Specialty Clinical Guideline Review Committee

#### **Disclaimer**

*Evolent Clinical Guidelines do not constitute medical advice. Treating health care professionals are solely responsible for diagnosis, treatment, and medical advice. Evolent uses Clinical Guidelines in accordance with its contractual obligations to provide utilization management. Coverage for services varies for individual members according to the terms of their health care coverage or government program. Individual members' health care coverage may not utilize some Evolent Clinical Guidelines. A list of procedure codes, services or drugs may not be all inclusive and does not imply that a service or drug is a covered or non-covered service or drug. Evolent reserves the right to review and update this Clinical Guideline in its sole discretion. Notice of any changes shall be provided as required by applicable provider agreements and laws or regulations. Members should contact their Plan customer service representative for specific coverage information.*

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# Evolut Clinical Guideline 1502 for Durable Medical Equipment

<b>Guideline Number:</b> Evolut_CG_1502		
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## TABLE OF CONTENTS

<b>STATEMENT .....</b>	<b>2</b>
GENERAL INFORMATION.....	2
PURPOSE .....	2
SCOPE .....	2
<b>MEDICAL NECESSITY FOR DURABLE MEDICAL EQUIPMENT .....</b>	<b>2</b>
<b>CODING AND STANDARDS .....</b>	<b>3</b>
APPLICABLE LINES OF BUSINESS .....	3
<b>BACKGROUND.....</b>	<b>3</b>
OVERVIEW .....	3
<b>POLICY HISTORY .....</b>	<b>4</b>
<b>LEGAL AND COMPLIANCE .....</b>	<b>4</b>
GUIDELINE APPROVAL .....	4
Committee.....	4
DISCLAIMER .....	4
<b>REFERENCES.....</b>	<b>5</b>

## STATEMENT

### General Information

*It is an expectation that all patients receive care/services from a licensed clinician. All appropriate supporting documentation, including recent pertinent office visit notes, laboratory data, and results of any special testing must be provided. If applicable: All prior relevant imaging results and the reason that alternative imaging cannot be performed must be included in the documentation submitted.*

### Purpose

The medical necessity or support for prior authorization of Durable Medical Equipment (DME).

### Scope

Applies to DME requests for adult and pediatric members in any setting and to all physical medicine practitioners (chiropractors, physical therapists, occupational therapists, and speech language pathologists).

## MEDICAL NECESSITY FOR DURABLE MEDICAL EQUIPMENT

DME and services are medically necessary when **ALL** of the following criteria are met:

- Equipment is expected to provide improvement in specific measurable functional deficits related to a documented illness or injury
- The DME is provided by a health care professional
- Equipment has significant medical uses
- Alternative options have been ruled out
- Clinical records clearly establish the medical need

Clinical documentation **must** include the following elements:

- Diagnosis justifying the equipment or supply being requested
- Treatment plan (anticipated start and end date) for training and/or use
- Measurable functional deficit(s)
- Expected outcomes and benefit (related to measurable functional deficit)
- Healthcare providers training/education, supervision, and monitoring use of the DME (identification of provider type and signature in the record)
- Trial of conservative services that failed to improve a measurable functional deficit (unless contraindicated)
- In-office trial use that provided improvement in a measurable functional deficit (when appropriate)
- Home or vehicle assessment to ensure equipment can be utilized in the home or

vehicle (when appropriate)

- Prior equipment used for a similar purpose (include reasons that equipment no longer meets current needs)
- If an insurance plan does not cover the specific DME, any visit solely associated with instruction on the DME would not be covered

## CODING AND STANDARDS

### Applicable Lines of Business

☒	CHIP (Children’s Health Insurance Program)
☒	Commercial
☒	Exchange/Marketplace
☒	Medicaid
☒	Medicare Advantage

## BACKGROUND

### Overview

- DME provides therapeutic benefits for patients with certain conditions or illnesses in which the equipment is reusable and durable for repeated use outside the medical setting (e.g., home, school, work):
  - Back, knee, and ankle supports/braces
  - Cervical collars
  - Foot orthotics
  - Electrical stimulation units and supplies
  - Traction devices
  - Hospital beds
  - Equipment to aid with ADLs such as bathing, toileting, and dressing
  - Splints/slings
  - Equipment to aid with seating, positioning, and transfers
  - Wheelchairs and assistive devices for gait
  - Post-operative equipment (cold/cryotherapy, CPM (continuous passive motion), DVT prevention/IPC (interpneumatic compression devices); compression garments)
- The use of DME needs to have evidence of efficacy in peer-reviewed medical

literature; the use of these devices is not considered medically necessary in the absence of accepted standards of medicine within medical literature. <sup>(1-3)</sup>

## POLICY HISTORY

Date	Summary
November 2024	<ul style="list-style-type: none"> <li>● This guideline replaces Evolent_CG_609 Durable Medical Equipment</li> <li>● Removed the CPT Codes section from Coding</li> <li>● Editorial changes to match the formatting and layout of the Evolent template</li> <li>● Added a bullet point about post-operative equipment to the Background</li> </ul>
December 2023	<ul style="list-style-type: none"> <li>● Editorial changes-sections adjusted/moved for better reading flow</li> <li>● References updated</li> </ul>

## LEGAL AND COMPLIANCE

### Guideline Approval

#### **Committee**

**Reviewed / Approved by Evolent Specialty Clinical Guideline Review Committee**

#### **Disclaimer**

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# Evolut Clinical Guideline 1503 for Experimental, Unproven, or Investigational Services

<b>Guideline Number:</b> Evolut_CG_1503		
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## TABLE OF CONTENTS

<b>STATEMENT</b> .....	<b>2</b>
GENERAL INFORMATION.....	2
PURPOSE .....	2
SPECIAL NOTE .....	2
COVERAGE.....	2
<b>SERVICES</b> .....	<b>2</b>
DEFINED .....	2
CRITERIA .....	2
EXPERIMENTAL AND INVESTIGATIONAL SERVICES.....	3
SERVICES EXCEPTIONS (POSSIBLY COVERED UNDER ANOTHER SERVICE).....	4
<i>Plethysmography</i> .....	5
ELECTION OF SERVICES BY MEMBER .....	5
FUTURE CONSIDERATIONS.....	5
<b>CODING AND STANDARDS</b> .....	<b>6</b>
APPLICABLE LINES OF BUSINESS .....	6
<b>BACKGROUND</b> .....	<b>7</b>
HEALTH CARE PROVIDERS.....	7
<b>POLICY HISTORY</b> .....	<b>7</b>
<b>LEGAL AND COMPLIANCE</b> .....	<b>7</b>
GUIDELINE APPROVAL .....	7
<i>Committee</i> .....	7
DISCLAIMER .....	7
<b>REFERENCES</b> .....	<b>9</b>

## STATEMENT

### General Information

*It is an expectation that all patients receive care/services from a licensed clinician. All appropriate supporting documentation, including recent pertinent office visit notes, laboratory data, and results of any special testing must be provided. If applicable: All prior relevant imaging results and the reason that alternative imaging cannot be performed must be included in the documentation submitted.*

### Purpose

To provide a listing of procedures or services considered experimental, investigational, or unproven provided by any physical medicine practitioner<sup>‡</sup>.

### Special Note

This policy lists the procedures considered experimental, or investigational provided by any physical medicine practitioner<sup>‡</sup>.

**NOTE:** Services listed in the policy are not eligible for reimbursement.

### Coverage

If there is inconsistency between this medical policy and the terms of an enrollee's benefit plan, the terms of the enrollee's benefit plan supersede this policy.

**NOTE:** Coverage is subject to the terms of an enrollee's benefit plan

## SERVICES

### Defined

Experimental and investigational services (treatment, service, procedure, supply, device, or drug) are not recognized as standard clinical care for the condition (disease, illness, or injury) when scientific evidence to support its use is insufficient.

A service, procedure, or supply includes but is not limited to:

- Diagnostic service
- Treatment
- Facility
- Equipment or device

**NOTE:** This organization will determine whether a service, procedure, or supply is considered experimental and investigational, based upon reliable scientific methodology published in credible peer-reviewed journals or expert opinion from national and international professional medical organizations in the absence of definitive data.

### Criteria

A service is considered experimental/investigation if **ANY** of the following criteria is met:

- A service, treatment, procedure, supply, device, or drug requiring appropriate government regulatory bodies approval does **NOT** have final approval (e.g., the Food and Drug Administration)
  - Restricted market approval for use in the treatment of a specified condition (not substituted for final approval)
  - Interim step in the regulatory process (not substituted for final approval)
- Insufficient or inconclusive evidence of the service, procedure, or supply
  - To evaluate the therapeutic value
  - On the beneficial effect on health outcomes
  - Is not as beneficial as an established alternative
  - When used in a non-investigational setting the service, procedure, or supply has a beneficial effect on health outcomes as any established alternatives

## Experimental and Investigational Services

Experimental and investigational services listing (**non-exclusive list**):

- Advanced BioStructural Correction™ (ABC™)
- Alphabiotics
- Applied Kinesiology (including subfields)
- Applied Spinal Biomechanical Engineering
- Bio-Energetic Synchronization Technique (B.E.S.T)
- Blood Flow Restriction Training
- Chiropractic Biophysics (CBP, Clinical Biomechanics of Posture, CBP Mirror Image Technique)
- Chiropractic services directed at controlling progression and/or reducing scoliosis, including but not limited to the SpineCor brace and CLEAR scoliosis treatment
- Coccygeal Meningeal Stress Fixation
- Cold Laser Therapy
- Computerized muscle testing or analysis
- Cupping
- Craniosacral Therapy (CST, including the Upledger Technique)
- Directional Non-force Technique
- Dry Needling
- Hako-Med electrotherapy (horizontal electrotherapy)
- High-density surface electromyography (HD-sEMG), surface scanning EMG, paraspinal surface EMG, or macro EMG Hippotherapy (e.g., evaluating low back pain, thoracolumbar segmental abnormalities, soft tissue injury, intervertebral disc disease, nerve root irritation, or scoliosis)
- Impulse adjusting instrument

- Intersegmental traction and Autotraction
- Kinesio taping (Elastic Therapeutic Taping)
- Live Cell Analysis or hair analysis
- Manipulation under Anesthesia (MUA)
- Moire Contourographic Analysis
- Nambudripad's Allergy Elimination Technique (NAET)/ other Allergy Testing
- National Upper Cervical Chiropractic Association (NUCCA technique)/Grostic technique
- Network Chiropractic, Neuro Emotional Technique (NET)
- Neural Organizational Technique, Contact Reflex Analysis (CRA), Whole System Scan
- Neurocalometer, Nervo-Scope, Nerve Conduction Velocity, Surface EMG, Paraspinal Electromyography, Spinoscopy or other nerve conduction testing for non-specific neck and back pain
- Neurophysiologic Pain Profile (NPP), spine matrix scan (lumbar matrix scan)
- Nimmo Receptor-Tonus method
- Pettibon, including, but not limited to wobble chair/board treatment and posture pump
- Preventive Care, Corrective Care (chiropractic services)
- Pro-Adjuster
- Sacro Occipital Technique, Neurocranial Restructuring (NCR), Cranial Manipulation
- Sound Assisted Soft Tissue mobilization
- Spinal Diagnostic Ultrasound
- Repeat imaging to determine the progress of conservative treatment
- Thermography
- Treatment for brachioradial pruritis
- Vascular Studies, including, but not limited to, Doppler ultrasound analysis and **plethysmography**
- VAX-D, Lordex, LTX3000, DRX-9000, DRS (Decompression Reduction Stabilization System), or other back traction devices charged at a higher rate than mechanical traction (97012)
- Whole Body Vibration (WBV), Vibration Plate, Vibration Therapy
- Any lab work for which the office is not CLIA Certified or falls outside of the scope of practice, including, but not limited to drug testing, therapeutic drug assays, and organ or disease-oriented panels

## **Services Exceptions (Possibly Covered Under Another Service)**

- Whole body vibration as a treatment for low back pain (LBP) evidence remains

equivocal

- Low level laser therapy could be an effective method for relieving pain in non-specific chronic low back pain <sup>(1)</sup>

**NOTE:** No significant treatment effect was identified for disability scores or spinal range of motion outcomes. Laser therapy combined with exercise provides better short-term relief of low back pain than either therapy alone. <sup>(2)</sup> No short-term benefit of laser therapy when compared with exercise alone. <sup>(2)</sup>

## ***Plethysmography***

- Plethysmography is one diagnostic modality for the conditions listed below or as an initial evaluation to determine the need for venography or arteriography
  - Chronic venous disease <sup>(3,4)</sup>
  - Arterial occlusive disease <sup>(5)</sup>
  - Evaluating total lung capacity and residual volume (Body Plethysmography/Pulmonary Function Test) <sup>(6)</sup>

**NOTE:** Since treatment of cardiovascular and lung conditions falls outside of the scope of chiropractic, patients should be referred for testing if these conditions are suspected.

## **Election of Services by Member**

- If an experimental, unproven, or investigational service are to be provided, the practitioner will inform the member, in writing, that such services will be the member's responsibility
  - No services are to be performed in lieu of an appropriate examination or without consideration of an appropriate referral
- There is limited scientific evidence that the use of experimental, investigational, and unproven services provides a more accurate diagnosis, nor do they result in an improved clinical outcome
- For member exclusions or limitations refer to the enrollee's Certificate of Coverage or Summary Plan Description

## **Future Considerations**

### **Removal of a service from the Experimental and Investigations Policy**

- A review of the current literature will be evaluated annually to determine if there is additional evidence in support of any of the services listed under this policy (governmental regulatory bodies approval and scientific evidence)
- Scientific evidence must demonstrate the final conclusions pertaining to a treatment are based upon sound scientific study methodology published in credible, peer reviewed journals following a hierarchy of reliable evidence is used:
  - Systematic reviews or Meta analyses of randomized controlled trials
  - Technology assessments
  - Randomized Controlled Trials
  - Cohort studies

- Case-Control studies
- National and International Professional Medical Societies consensus (in absence of definitive scientific data)

**NOTE:** reliable evidence comes from well designed, high quality, double-blinded studies and not from personal professional opinions or personal choice for the standard of practice

- Services must be proven safe and effective:
  - Safety
    - Is the potential benefit superior to the potential harm
  - Health Outcomes
    - Superior or comparable to the established alternatives
  - Patient Management
    - Does the service improve clinical decision making
  - Clinical Performance
    - Is the reliability and predictive value of the service equal or superior to the current gold standard for the service
  - Cost-effectiveness
    - Is the service equal to or lower cost than established treatments that produce similar outcomes

**NOTE:** If the service appears to be safe and cost-effective, this organization will present these results to our health plan partners for consideration of coverage and/or payment. Final authority for such coverage determinations rests with the health plan.

## CODING AND STANDARDS

### Applicable Lines of Business

☒	CHIP (Children’s Health Insurance Program)
☒	Commercial
☒	Exchange/Marketplace
☒	Medicaid
☒	Medicare Advantage

## BACKGROUND

### Health Care Providers

‡A qualified licensed health care providers (chiropractors, physical therapists, occupational therapists, speech language pathologist, physician assistants, speech language pathologist assistants, physical therapist assistants, and occupational therapy assistants) by education, training, and licensure/regulation performs a professional service within his/her scope of practice and reports to health professional boards.

## POLICY HISTORY

Date	Summary
November 2024	<ul style="list-style-type: none"> <li>● This guideline replaces Evolent_CG_601 Experimental, Unproven, or Investigational Services</li> <li>● Removed the CPT Codes section within Coding</li> <li>● Editorial changes to match the formatting and layout of the Evolent template</li> <li>● Corrected 'Resistance' to 'Restriction' for Blood Flow Restriction Training in the Indications section</li> <li>● Clarified language regarding Plethysmography within the "Service Exceptions" section</li> </ul>
December 2023	<ul style="list-style-type: none"> <li>● Removed; Services Exceptions – Ultrasound: as ultrasound is not applicable to therapy services</li> <li>● Editorial changes-sections adjusted/moved for better reading flow</li> <li>● Updated References</li> </ul>

## LEGAL AND COMPLIANCE

### Guideline Approval

#### **Committee**

**Reviewed / Approved by Evolent Specialty Clinical Guideline Review Committee**

### Disclaimer

*Evolent Clinical Guidelines do not constitute medical advice. Treating health care professionals are solely responsible for diagnosis, treatment, and medical advice. Evolent uses Clinical Guidelines in accordance with its contractual obligations to provide utilization management. Coverage for services varies for individual members according to the terms of their health care coverage or government program. Individual members' health care*



*coverage may not utilize some Evolent Clinical Guidelines. A list of procedure codes, services or drugs may not be all inclusive and does not imply that a service or drug is a covered or non-covered service or drug. Evolent reserves the right to review and update this Clinical Guideline in its sole discretion. Notice of any changes shall be provided as required by applicable provider agreements and laws or regulations. Members should contact their Plan customer service representative for specific coverage information.*

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# Evolut Clinical Guideline 1504 for Measurable Progressive Improvement

<b>Guideline Number:</b> Evolut_CG_1504		
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## TABLE OF CONTENTS

<b>STATEMENT .....</b>	<b>3</b>
GENERAL INFORMATION.....	3
PURPOSE .....	3
SPECIAL NOTE .....	3
<b>MEASURABLE IMPROVEMENT .....</b>	<b>3</b>
DEFINED .....	3
SCOPE.....	4
ACCEPTABLE THRESHOLDS.....	4
5 Times Sit to Stand Test (5XSTS).....	4
6-Minute Walk Test (6MWT) for Older Adults .....	4
10 Meter Walk Test (10MWT).....	5
Activities of Daily Living Scale of the Knee Outcome Survey .....	6
Activity-Specific Balance Confidence Scale (ABC).....	6
Berg Balance Scale (BBS).....	7
Bournemouth – Back Questionnaire.....	7
Bournemouth – Neck Questionnaire.....	8
Bruininks-Oseretsky Test of Motor Proficiency, 2nd Edition (BOT™-2) .....	8
Disability of Arm, Shoulder, and Hand (DASH) .....	8
Disability of Arm, Shoulder, and Hand (QuickDASH) .....	9
Dizziness Handicap Inventory (DHI).....	9
Dynamic Gait Index (DGI).....	10
Falls Self Efficacy Scale/Falls Efficacy Scale-International (FES-I) .....	10
Foot and Ankle Ability Measures (FAAM).....	10
Fear Avoidance Belief Questionnaire (FABQ).....	11
Functional Gait Assessment (FGA) .....	11
Functional Rating Index (FRI).....	12
Functional Status (FS) Measure or FOTO .....	12
Gait Speed for Adults.....	12
Global Rating of Change (GRoC) .....	13
Goal Attainment Scale (GAS) .....	13
Gross Motor Function Measure-66 (GMFM-66) .....	13
Headache Disability Inventory (HDI).....	14
Keele STarT Back Screening Tool.....	14
Knee Injury and Osteoarthritis Outcome Score (KOOS) .....	14
Knee Injury and Osteoarthritis Outcome Score for Children (KOOS-Child) .....	18
Knee Outcome Survey (KOS).....	18

<i>Lower Extremity Functional Scale (LEFS)</i> .....	19
<i>Lysholm Knee Rating System</i> .....	20
<i>Neck Disability Index (NDI)</i> .....	20
<i>Numeric Pain Rating Scale (NPRS)</i> .....	21
<i>Oswestry Disability Index (ODI)</i> .....	22
<i>Pain Disability Index</i> .....	22
<i>Patient Specific Functional Scale (PSFS)</i> .....	23
<i>Peabody Developmental Motor Scales-2nd Edition (PDMS-2)</i> .....	23
<i>Pediatric Balance Scale</i> .....	24
<i>Pediatric Evaluation of Disability Inventory (PEDI)</i> .....	24
<i>Roland-Morris Disability Questionnaire (RMDQ)</i> .....	24
<i>Roll Evaluation of Activities of Life (REAL)</i> .....	25
<i>Shoulder Pain and Disability Index (SPADI)</i> .....	26
<i>Simple Shoulder Test (SST)</i> .....	26
<i>Timed Up and Go (TUG)</i> .....	27
<i>Tinetti Performance Oriented Mobility Assessment (POMA)</i> .....	28
<i>Upper Extremity Functional Index/Scale (UEFI/UEFS)</i> .....	28
<i>Visual Analog Scale (VAS) Scores</i> .....	28
<i>Western Ontario and McMaster Universities Osteoarthritis Index (WOMAC)</i> .....	29
<b>CODING AND STANDARDS</b> .....	<b>31</b>
APPLICABLE LINES OF BUSINESS .....	31
<b>BACKGROUND</b> .....	<b>31</b>
DEFINITIONS.....	31
<b>POLICY HISTORY</b> .....	<b>33</b>
<b>LEGAL AND COMPLIANCE</b> .....	<b>33</b>
GUIDELINE APPROVAL .....	33
Committee.....	33
DISCLAIMER .....	33
<b>REFERENCES</b> .....	<b>35</b>

## STATEMENT

### General Information

*It is an expectation that all patients receive care/services from a licensed clinician. All appropriate supporting documentation, including recent pertinent office visit notes, laboratory data, and results of any special testing must be provided. If applicable: All prior relevant imaging results and the reason that alternative imaging cannot be performed must be included in the documentation submitted.*

### Purpose

This guideline provides minimal clinical thresholds using specific, measurable, and functional treatment goals and/or outcome measures in the determination of improved, lasting, and sustained outcomes. These thresholds will assist in medical necessity reviews of billed clinical services by network practitioners.

All recommendations in this guideline reflect practices that are evidence-based and/or supported by broadly accepted clinical specialty standards.

### Special Note

Outcome measures and pre-determined treatment goals (specific, measurable, and functional) must be used with each patient. These measures must be clearly defined in the patient record to ascertain the amount or degree of change over time and the documentation must provide evidence of lasting, sustainable progress with treatment.

## MEASURABLE IMPROVEMENT

### Defined

Meaningful clinical changes are calculated outcome measures using a standardized assessment tool. Using standardized assessment tools in the management of neuromusculoskeletal disorders follows Physical Medicine's professional standards. These include:

- Minimal Clinically Important Change (MCIC)
- Minimal Clinically Important Differences (MCID)
- Minimal Detectable Change (MDC)
- Minimal Important Change (MIC)
- Maximum Therapeutic Benefit (MTB)
- Smallest Detectable Change (SDC)
- Standard Error of Measurement (SEM)
- Small Meaningful Change (SMC)
- Smallest Real Change (SRC)

## Scope

In determining meaningful progress toward goals (MCIC and MTB) the record must include documented relevant standardized outcome assessments. The calculated outcome measures can be used to set goals and determine treatment effectiveness. Progress towards goals should be assessed at predetermined time periods and supported by anticipated meaningful clinical change based on the treatment plan goals, e.g.:

- Recovery patterns for neuromusculoskeletal conditions involving the low back, neck, and headache disorders show that > 50% of the overall improvement with care occurs within 4 - 6 weeks
- When patients are categorized via predictive modeling, the percentage of those showing significant improvement within 6 weeks rises considerably <sup>(1)</sup>
- This organization requires all practitioner records must evaluate and document whether treatment is resulting in progressive and sustained improvement, including clear, specific, and measurable improvement in the patient's pain and function.
- Every two weeks or at regular intervals as appropriate for the documented condition
- Measured by one or more of the below methods for each anatomic region (listed below in  $\neq$ Measurable Improvement Acceptable Thresholds) <sup>(2)</sup>
- If no functional tool is available for the patient's condition it is expected the practitioner will develop specific, measurable, and functional goals

## Acceptable Thresholds

### **5 Times Sit to Stand Test (5XSTS) <sup>(3)</sup>**

- Older Adults: 5 repetitions of this test exceeding the following can be considered to have worse than average performance
  - 11.4 s (60 to 69 years)
  - 12.6 s (70 to 79 years)
  - 14.8 s (80 to 89 years)
- MCID
  - Vestibular Disorders = 2.3 seconds
- MDC
  - Vestibular Disorders = 3.6 to 4.2 seconds

### **6-Minute Walk Test (6MWT) for Older Adults**

- MDC
  - Alzheimer's Disease: 33.5 m (110 feet) <sup>(4)</sup>
  - Hip Osteoarthritis or knee osteoarthritis that later received a total joint replacement: 61.34 m <sup>(5)</sup>
  - Huntington's Disease – chronic progressive <sup>(2)</sup>
    - Premanifest = 39.22 m
    - Manifest = 86.57 m

- Early-stage = 56.6 m
  - Middle-stage = 126.14 m
  - Late-stage = 70.65 m
- Multiple Sclerosis – chronic progressive: 88 m <sup>(2)</sup>
- Multiple Sclerosis – chronic progressive = 20% <sup>(2)</sup>
- Older Adults: 58.21 m <sup>(4)</sup>
- Parkinson’s Disease: 82 m <sup>(2,4)</sup>
- Stroke – chronic: 34 – 37 m or 13% change <sup>(4)</sup>
- Stroke – subacute: 61 m
- MIC
  - Multiple Sclerosis – chronic progressive (mild to severe): 21.56 m (patient anchor) <sup>(2)</sup>
  - Multiple Sclerosis – chronic progressive (mild to severe): 9.06 m (clinician anchor) <sup>(2)</sup>
  - Multiple Sclerosis – chronic progressive (deterioration): -53.35 m (patient anchor) <sup>(2)</sup>
  - Multiple Sclerosis – chronic progressive (deterioration): -55.06 m (clinician anchor) <sup>(2)</sup>
- SEM
  - Multiple Sclerosis – chronic progressive: 32 m <sup>(2)</sup>
  - Stroke – subacute: 22 m <sup>(2)</sup>
  - Stroke – chronic: 12 – 18 m <sup>(4)</sup>
- SMC
  - Older adults with limited mobility: 20 m (66 feet) <sup>(4)</sup>
  - Older adults with stroke: 22 m (72 feet)
  - Stroke – subacute: 21 m (anchor stairs) <sup>(2)</sup>
  - Stroke – subacute: 54 m (anchor-walk block) <sup>(2)</sup>
- SRC<sub>individual</sub>
  - Multiple Sclerosis – chronic progressive (mild to severe): 67.22 m (patient anchor) <sup>(2)</sup>
  - Multiple Sclerosis – chronic progressive (mild to severe): 68.32 m (clinician anchor) <sup>(2)</sup>

### **10 Meter Walk Test (10MWT) <sup>(6)</sup>**

- Normative Values (m/s) - Healthy Adults
  - Men/Women (20s) = 1.358/1.341
  - Men/Women (30s) = 1.433/1.337
  - Men/Women (40s) = 1.434/1.390

- Men/Women (50s) = 1.433/1.313
- Men/Women (60s) = 1.339/1.241
- Men/Women (70s) = 1.262/1.132
- Men/Women (80/90s) = 0.968/0.943
- MDC
  - Huntington's Disease
    - Pre-manifest, comfortable = 0.23 m/s
    - Manifest, comfortable = 0.34 m/s
    - Early-stage, comfortable = 0.20 m/s
    - Middle-stage, comfortable = 0.46 m/s
    - Late-stage, comfortable = 0.29 m/s
  - Multiple Sclerosis = 0.26 m/s
  - Parkinson's Disease (comfortable) = 0.18 m/s
  - Parkinson's Disease (fast) = 0.25 m/s
  - Spinal Cord Injury (incomplete < 12 months) = 0.13 m/s
  - Stroke (acute) = 0.11 m/s
  - Stroke (chronic > 6 months, comfortable) = 0.18 m/s
  - Stroke (chronic > 6 months, fast) = 0.13 m/s
- MCID
  - Stroke (subacute) = 0.16 m/s

### ***Activities of Daily Living Scale of the Knee Outcome Survey***

- MCID
  - = 7.1% <sup>(7)</sup>
- MDC
  - = 2.23 <sup>(8)</sup>

### ***Activity-Specific Balance Confidence Scale (ABC)***

- MCID
  - Vestibular Disorders = 18.1% <sup>(9)</sup>
- MDC
  - Parkinson's Disease = 11 – 13% <sup>(10,11)</sup>
  - Parkinson's Disease – chronic progressive = 13 <sup>(2)</sup>
  - Cerebral Vascular Accident = 14%
- SEM
  - Parkinson's Disease – chronic progressive = 11% <sup>(2)</sup>

- Parkinson's Disease = 4.01 <sup>(10)</sup>
- Stroke – acute and chronic = 5.05 – 6.81 <sup>(10)</sup>
- Older adults = 1.2 <sup>(10)</sup>
- SMC
  - Older adults = 7 points

### ***Berg Balance Scale (BBS)***

- MIC <sup>(2)</sup>
  - Multiple Sclerosis: deterioration (clinician anchor) = -0.60
  - Multiple Sclerosis: deterioration (patient anchor) = -1.41
- MCID <sup>(12)</sup>
  - Subacute stroke (assisted walking): 5 points
  - Subacute stroke (unassisted walking): 4 points
- MDC
  - = 6.2 – 6.5 points <sup>(13)</sup>
  - Alzheimer's Disease and Progressive Dementia = 1.92 <sup>(14)</sup>
  - Huntington's Disease <sup>(2)</sup>
    - Chronic progressive premanifest = 1
    - Chronic progressive manifest = 5
    - Chronic progressive early-stage = 4
    - Chronic progressive middle-stage = 5
    - Chronic progressive late-stage = 5
  - Older adults = 8 – 10.5 points <sup>(14,15)</sup>
  - Parkinson's Disease = 5 points <sup>(2)</sup>
  - Stroke (acute) = 6 (90%) <sup>(2)</sup>
  - Stroke (acute) = 7 (95%) <sup>(2)</sup>
  - Stroke (chronic) = 2.7 points <sup>(14)</sup>
  - Stroke (chronic/stable) = 4.66 – 6.7 <sup>(2)</sup>
- SEM
  - Alzheimer's Disease and Progressive Dementia = 0.97 <sup>(14)</sup>
  - Stroke (acute) = 2.49 <sup>(2)</sup>
  - Stroke (chronic/stable) = 1.49 – 2.4 <sup>(2)</sup>
  - Traumatic Brain Injury = 1.65 <sup>(16)</sup>

### ***Bournemouth – Back Questionnaire <sup>(17)</sup>***

- Acute: change of 26 points

- Chronic: change of 18 points

**NOTE:** It is recommended that the Bournemouth be used at baseline and for every 2 - 4 weeks or 6 - 12 visits thereafter within the treatment program to measure progress

### ***Bournemouth – Neck Questionnaire*** <sup>(18)</sup>

- A change of 13 points or 36% is considered clinically significant improvement

**NOTE:** It is recommended that the Bournemouth be used at baseline and for every 2 - 4 weeks or 6 - 12 visits thereafter within the treatment program to measure progress

### ***Bruininks-Oseretsky Test of Motor Proficiency, 2nd Edition (BOT™-2)*** <sup>(19)</sup>

- MCID
  - Children aged 3-6 years with intellectual disability
    - = 6.5 (BOT™-2-SF Standard Scores)
  - Children aged 4-21 years with intellectual disability
    - = 6.5 (aged 4-12 years) (BOT™-2-SF standard scores)
    - = 7.4 (aged 13-21 years) (BOT™-2-SF standard scores)
    - Balance subtest: children with Cerebral Palsy = 2.54 <sup>(20)</sup>
- MDC
  - Children aged 3-6 years with intellectual disability
    - = 7.4 (BOT™-2-SF Standard Scores)
  - Children aged 4-21 years with intellectual disability
    - = 4.2 (aged 4-12 years) (standard scores)
    - = 7.4 (aged 13-21 years) (standard scores)
  - Children aged 7-10 with fetal alcohol syndrome
    - = 6.1 (BOT™-2-SF Raw scores)
    - Balance subtest: children with Cerebral Palsy = 9.61
- SEM
  - Children aged 3-6 years with intellectual disability
    - = 1.6 (BOT™-2-SF standard scores)
  - Children aged 7 – 9 years with fetal alcohol disorders= 2.2 (BOT™-2-SF raw score) / 2.1 (BOT™-2-SF standard score)
  - Balance subtest in children with Cerebral Palsy = 0.70

### ***Disability of Arm, Shoulder, and Hand (DASH)***

- MCID <sup>(21)</sup>
  - Elbow Arthroplasty (much worse or much better) = 19 points
  - Elbow Arthroplasty (somewhat better or somewhat worse) = 10 points

- Elbow Arthroplasty (no change) = -3 points
- Musculoskeletal Upper Extremity (Adults) = 10.2
- MDC
  - Humeral Joint Pain and Fractures = 16.1 (DASH) <sup>(21)</sup>
  - Musculoskeletal Upper Extremity (Adults) = 10.7 – 12.2 (90% CI) <sup>(21)</sup>
  - Musculoskeletal Upper Extremity (Adults) = 12.75 (95%CI) <sup>(21)</sup>
  - Shoulder = 10.7% (90%CI) <sup>(22)</sup>
  - Shoulder = 12.75% (95%CI) <sup>(22)</sup>
- SEM
  - Humeral Joint Pain and Fractures = 5.82 (DASH) <sup>(21)</sup>
  - Musculoskeletal Upper Extremity (Adults)= 4.6 – 5.22 <sup>(21)</sup>
  - Osteoarthritis = 2.27 (DASH 0-3\*) <sup>(21,23)</sup>
  - Osteoarthritis = 3.26 (DASH 0-6\*) <sup>(21,23)</sup>
  - Osteoarthritis = 4.49 (DASH 0-12\* Osteoarthritis) <sup>(21,23)</sup>

**NOTE:** \*Paired differences of the DASH score; DASH 0 is mean score preoperative, DASH 3 is mean score at 3 months, DASH 6 is mean score at 6 months, and DASH 12 is mean score at 12 months.

### ***Disability of Arm, Shoulder, and Hand (QuickDASH) <sup>(24)</sup>***

- MCID
  - Upper Extremity (whole) = 8 points
- MDC
  - = 11 – 17.2 points (90%CI)
  - = 20.4 points (95%CI)
- SEM
  - = 6.43 (very much improved)
  - = 3.26 (much improved)
  - = 3.37 (minimally improved)
  - = 10.22 (no change)

### ***Dizziness Handicap Inventory (DHI)***

- MCID
  - Benign Paroxysmal Positional Vertigo = decrease from 18.05 at the first day to 9.54 at 30 days <sup>(25)</sup>
  - Vestibular Disorders = change of 18 points (95% CI, pretreatment and posttreatment scores difference) <sup>(25,26)</sup>
- MDC

- Multiple Sclerosis = 22.50 <sup>(25)</sup>
- Vestibular Disorders = 17.18 points <sup>(26)</sup>
- SEM
  - Vestibular Disorders = 6.2 <sup>(25,26)</sup>

### ***Dynamic Gait Index (DGI)***

- MDC
  - Multiple Sclerosis = 4.19 – 5.54 <sup>(27)</sup>
  - Stroke = 4 points <sup>(27)</sup>
  - Stroke (change) = 16.6% <sup>(27)</sup>
  - Stroke (chronic) = 2.6 points <sup>(27)</sup>
  - Parkinson's Disease = 13.3% <sup>(27,28)</sup>
  - Parkinson's Disease and Older Adults = 2.9 points <sup>(27,28)</sup>
  - Vestibular Disorders = 3.2 points <sup>(27,29)</sup>
- SEM
  - Older Adults = 1.04 points <sup>(27)</sup>
  - Multiple Sclerosis (inter-rater reliability) = 1.51 points <sup>(27)</sup>
  - Multiple Sclerosis (intra-rater reliability) = 2.00 points <sup>(27)</sup>
  - Stroke (chronic) = 0.71 <sup>(27)</sup>
  - Stroke (inter-rater reliability) = 0.94 <sup>(30)</sup>
  - Stroke (test-retest condition) = 0.97 <sup>(30)</sup>
  - Vestibular Disorders = 2.8 points <sup>(27,29)</sup>

### ***Falls Self Efficacy Scale/Falls Efficacy Scale-International (FES-I)*** <sup>(31)</sup>

- MDC
  - Multiple Sclerosis = 0.52 points
  - Older Adult (Hip fracture) = 17.7 points <sup>(32)</sup>
  - Vestibular Disorders = 8.2 points
- SEM
  - Multiple Sclerosis = 0.19 points
  - Older Adult (Hip Fracture) = 6.4 points <sup>(32)</sup>
  - Vestibular Disorders = 3.0 points

### ***Foot and Ankle Ability Measures (FAAM)*** <sup>(33,34)</sup>

- MCID
  - Activities of Daily Living (subscale) = 8% points
  - Sport (subscale) = 9% points

- MDC
  - Activities of Daily Living (subscale 95% CI) = 5.7
  - Sports (subscale 95% CI) = 12.3
- SEM
  - Activities of Daily Living (subscale) = 2.1
  - Sports (subscale) = 4.5

### ***Fear Avoidance Belief Questionnaire (FABQ)***

- MCIC
  - Arthroscopic subacromial decompression (following) = -5.0 <sup>(35)</sup>
- MCID <sup>(36)</sup>
  - Lower Back Pain = 13 points
  - Physical Activity (Pelvic Girdle Pain) = 25%
- MDC
  - Low back pain = -5.4
  - Physical Activity (Pelvic Girdle Pain) = 6.1 <sup>(36)</sup>
  - Physical Activity (Subscale) = 12 points <sup>(37)</sup>
  - Physical Activity (Worker UE injury) = 8 points (change scores equivalent to 30-33% of scale) <sup>(36)</sup>
  - Work (Subscale) = 9 points <sup>(37)</sup>
- SEM
  - Physical Activity (Pelvic Girdle Pain) = 2.20 <sup>(36)</sup>

### ***Functional Gait Assessment (FGA) <sup>(38)</sup>***

- MCID
  - Older Adults = 4 points (from interim to end of care) <sup>(39)</sup>
  - Vestibular Disorders = 4 points <sup>(9)</sup>
  - Vestibular Disorders = 18.1%
- MDC
  - Parkinson's Disease = 4 points <sup>(39)</sup>
  - Stroke (acute and chronic) = 4.2 <sup>(39)</sup>
  - Stroke (acute and chronic) = 14.1% <sup>(39)</sup>
  - Vestibular Disorders (acute) = 6 points (95% CI) <sup>(2)</sup>
- SEM
  - Stroke = 1.52 <sup>(39)</sup>

### **Functional Rating Index (FRI) <sup>(40)</sup>**

- MCIC
  - Spinal musculoskeletal system = 10% absolute change
- MCID
  - Spinal musculoskeletal system = 8.4%
- MDC
  - Spinal musculoskeletal system = 15%

#### **NOTES:**

- Acute and subacute conditions: recommended the FRI be used at baseline and every 1 week or 3 visits thereafter
- Chronic conditions: recommended the FRI be used at baseline and every 2 weeks or 6 visits thereafter
- If the score does not improve by at least 10% (absolute change) in any two successive two-week periods, you should pursue a change in management

### **Functional Status (FS) Measure or FOTO <sup>(41,42)</sup>**

- The MCII (Minimally Clinically Important Improvement) and MDC are stated on the assessment report
  - For significant, minimal improvement, the patient status should increase by the MDC value

**NOTE:** FOTO summary report is available upon request

### **Gait Speed for Adults <sup>(43–45)</sup>**

- MCID
  - Joint pain and fractures = 0.1 m/s
  - Older Adults = 0.05 – 0.12 m/s
  - Older Adults with Heart Failure = 0.05 – 0.12 m/s
  - Chronic Obstructive Pulmonary Disease = 0.11 m/s (anchored against ISW)
  - Chronic Obstructive Pulmonary Disease = 0.08 m/s (anchored against self-reported improvement)
  - Stroke = 0.1 m/s
  - Vestibular Disorders = 0.09 m/s <sup>(9)</sup>
- MDC
  - Heart Failure = 0.05 m/s
  - Joint pain and fractures = 0.08 m/s
  - Older Adults = 0.05 m/s
  - Pulmonary Diseases (Chronic Obstructive Pulmonary Disease) = 0.11 m/s (95% CI)

- Meaningful change for those with stroke undergoing rehab = 0.175 m/s
- SEM
  - Pulmonary Diseases (Chronic Obstructive Pulmonary Disease) = 1.14% (Interobserver)
  - Pulmonary Diseases (Chronic Obstructive Pulmonary Disease) = 1.5% (Test-retest reliability)
- SMC = 0.5 m/s
- Substantial meaningful change = 0.10 m/s

### ***Global Rating of Change (GRoC)***

(†See Note below)

- MCIC
  - 2 points on 11-point scale
- MDC
  - 0.45 points on 11-point scale
- MIC
  - Low Back Pain = 2.5 points on 11-point scale <sup>(46)</sup>

#### **†NOTE: Questionable Outcome tool: Global Rating of Change (GRoC)**

Further work is needed to determine the true value of the GRoC as an outcome measure and in turn as an anchor measure. Several key points have been identified <sup>(47)</sup>:

- There is fluctuant temporal stability of the GRoC from week to week
- There is poor correlation between the GRoC and functional measures
- The GRoC is only correlated to functional measures up to 3 weeks

### ***Goal Attainment Scale (GAS)*** <sup>(48)</sup>

- MDC
  - Cerebral Palsy (Pediatric) = 2.040 (Low Response Group)
  - Cerebral Palsy (Pediatric) = 1.275 (High Response Group)
- SEM
  - Cerebral Palsy (Pediatric) = 0.736 (Low Response Group)
  - Cerebral Palsy (Pediatric) = 0.460 (High Response Group)

### ***Gross Motor Function Measure-66 (GMFM-66)*** <sup>(49)</sup>

- Clinically meaningful improvement <sup>(50)</sup>
  - = 1.58
- MCID
  - Cerebral Palsy <sup>(51)</sup>

- Gross Motor Function Classification System Level I: 1.7 -2.7
- Gross Motor Function Classification System Level II: 1.0-1.5
- Gross Motor Function Classification System Level III: 0.7 – 1.2
- Gross Motor Function Classification System Level Overall: 0.8 – 1.3

### **Headache Disability Inventory (HDI) <sup>(52)</sup>**

- Decrease of 29 points (95% CI) or more is considered clinically significant

### **Keele STarT Back Screening Tool <sup>(53,54)</sup>**

- High-risk categories: > 4 (psychosocial subscale scores)
- Medium-risk categories: > 3 (overall tool score) and < 4 (psychosocial subscale scores)
- Low-risk categories: < 3 (overall tool score)

**NOTE:** No MDC or MCID established

### **Knee Injury and Osteoarthritis Outcome Score (KOOS)**

- MDC
  - Athletes <sup>(55)</sup>
    - Pain = 6.1
    - Symptoms = 8.5
    - Activities of Daily Living = 8.0
    - Sports/Rec = 5.8
    - Quality of Life = 7.2
  - Joint Pain and Fractures = 8 – 10-point change may represent minimal perceptible clinical improvement <sup>(55)</sup>
  - Knee Ligament Injury
    - Anterior Cruciate Ligament Reconstruction in Athletic Populations (KOOS subscales) <sup>(56)</sup>
      - Symptoms = 8.5
      - Pain = 6.1
      - Activities of Daily Living = 8.0
      - Sports/recreation = 5.8
      - Quality of Life = 7.2
    - Articular Cartilage Lesion (KOOS subscales) <sup>(56)</sup>
      - Symptoms = 11.8
      - Pain = 11.2
      - Activities of Daily Living = 11.1
      - Sports/recreation = 12.1

- Quality of Life = 8.7
  - Focal Cartilage Repair (KOOS subscales) <sup>(56)</sup>
    - Symptoms = 5
    - Pain = 6
    - Activities of Daily Living = 7
    - Sports/recreation = 12
    - Quality of Life = 7
  - Osteoarthritis and No Indication for Joint Replacement (KOOS subscales) <sup>(56)</sup>
    - Symptoms = 15.5
    - Pain = 13.4
    - Activities of Daily Living = 15.4
    - Sports/recreation = 19.6
    - Quality of Life = 21.1
  - Meniscal Injury (with and without surgery) (KOOS subscales) <sup>(56)</sup>
    - Symptoms = 19.4
    - Pain = 25.7
    - Activities of Daily Living = 20.2
    - Sports/recreation = 35.0
    - Quality of Life = 26.2
- Osteoarthritis and Joint Replacement = 8 – 10-point change may represent minimal perceptible clinical improvement <sup>(55)</sup>
- Younger individuals (KOOS subscales) = 14.3 – 19.6 points <sup>(57)</sup>
- Older individuals (KOOS subscales) = ≥ 20 points <sup>(57)</sup>
- MCID
  - Knee
    - Arthroplasty (total knee, post)
      - Function = 15.
      - Pain = 13.5 2
      - Quality of Life = 8.0
    - Autologous Chondrocyte Implantation (KOOS subscale) <sup>(56)</sup>
      - Symptoms = could not be calculated
      - Pain = 11 – 18.8
      - Activities of Daily Living = 2 – 17.3
      - Sports/recreation = 5 – 18.6
      - Quality of Life = 8 – 19.6
    - Meniscal repair (Post arthroscopic) <sup>(58)</sup>

- Symptoms = 12.3
  - Pain = 11.8
  - Activities of Daily Living = 11.4
  - Sports/recreation = 16.7
  - Quality of Life = 16.9
  - Osteochondral Allograft Transplantation (KOOS subscales) <sup>(56)</sup>
    - Symptoms = could not be calculated
    - Pain = 7
    - Activities of Daily Living = could not be calculated
    - Sports/recreation = 25
    - Quality of Life = could not be calculated
  - Platelet-rich plasma Injection Treatment <sup>(59)</sup>
    - 6 months after (KOOS subscales)
      - ◆ Symptoms = 8.4
      - ◆ Pain = 9.3
      - ◆ Activities of Daily Living = 9
      - ◆ Sports/recreation = 12.5
      - ◆ Quality of Life = 10.3
    - 12 months after (KOOS subscales)
      - ◆ Symptoms = 8.2
      - ◆ Pain = 9.1
      - ◆ Activities of Daily Living = 9.2
      - ◆ Sports/recreation = 11.6
      - ◆ Quality of Life = 10.3
- SEM <sup>(56)</sup>
  - Athletes (mean age 25.6 ± 3.4 years)
    - Pain = 2.2
    - Symptoms = 3.1
    - Activities of Daily Living = 2.9
    - Sports/Rec = 2.1
    - Quality of Life = 2.6
  - Knee Ligament Injury
    - Anterior Cruciate Ligament Reconstruction in Athlete (KOOS subscales)
      - Symptoms = 3.1
      - Pain = 2.2
      - Activities of Daily Living = 2.9

- Sports/recreation = 2.1
- Quality of Life = 2.6
- Anterior Cruciate Ligament Tear Within 1 Year or Anterior Cruciate Ligament Repair Within 1 Year (KOOS subscales)
  - Symptoms = 9.1
  - Pain = 6.6
  - Activities of Daily Living = 7.8
  - Sports/recreation = 12.7
  - Quality of Life = 7.6
- Articular Cartilage Lesion: Autograft Implantation System (KOOS subscales)
  - Symptoms = 11.1
  - Pain = 9.50
  - Activities of Daily Living = 10.7
  - Sports/recreation = 10.8
  - Quality of Life = 7.4
- Meniscal Injury (with/without Meniscal Surgery) (KOOS subscales)
  - Symptoms = 7.0
  - Pain = 9.3
  - Activities of Daily Living = 7.3
  - Sports/recreation = 12.6
  - Quality of Life = 9.5
- Knee Osteoarthritis (KOOS subscales)
  - Mild Osteoarthritis with Anterior Cruciate Ligament Reconstruction
    - Symptoms = 9.0
    - Pain = 7.2
    - Activities of Daily Living = 5.2
    - Sports/recreation = 9.0
    - Quality of Life = 7.4
  - Moderate Osteoarthritis with High Tibial Osteotomy and Valgus Correction (KOOS subscales)
    - Symptoms = 8.0
    - Pain = 9.0
    - Activities of Daily Living = 5.8
    - Sports/recreation = 11.6
    - Quality of Life = 7.4
  - Osteoarthritis with TKA Revision (KOOS subscales)

- Symptoms = 7.2
- Pain = 10.1
- Activities of Daily Living = 11.7
- Sports/recreation = 24.6
- Quality of Life = 10.8

### ***Knee Injury and Osteoarthritis Outcome Score for Children (KOOS-Child)***

- SEM
  - Children with Knee Disorders <sup>(60)</sup>
    - Pain = 5.69
    - Symptoms = 8.14
    - Activities of Daily Living = 5.28
    - Sports/play = 8.02
    - Quality of Life = 7.59
  - Children with Stable Knee Conditions <sup>(61)</sup>
    - Pain = 9.9
    - Symptoms = 10.2
    - Activities of Daily Living = 8.9
    - Sports/play = 16.9
    - Quality of Life = 10.5
- MDC
  - Children with Knee Disorders <sup>(60)</sup>
    - Pain = 15.78
    - Symptoms = 22.56
    - Activities of Daily Living = 14.64
    - Sports/play = 22.22
    - Quality of Life = 21.03
  - Children with Stable Knee Conditions <sup>(61)</sup>
    - Pain = 27.3
    - Symptoms = 28.4
    - Activities of Daily Living = 24.7
    - Sports/play = 46.9
    - Quality of Life subscale = 29.2

### ***Knee Outcome Survey (KOS)***

- MCID <sup>(7)</sup>

- Activities of Daily Living = 7.1 percentage points change
- MDC <sup>(62)</sup>
  - = 11.4

### **Lower Extremity Functional Scale (LEFS)**

- MCID
  - Ankle Sprains = 4 points <sup>(63)</sup>
  - Joint Pain and Fractures <sup>(64)</sup>
    - Anterior Cruciate Ligament reconstruction = 9 points
    - Arthroplasty
      - Total knee = 9 points
      - Total hip = 9 points
    - Hip Impairment = 6 points or 11.3%
    - Lower Extremity Injury = 9 points
  - Knee <sup>(65)</sup>
    - Osteoarthritis = 6.3 points (0-2 months)
    - Osteoarthritis = 7.5 points (0-6 months)
    - Osteoarthritis = 12.5 points (0-12 months)
  - Lower extremity musculoskeletal dysfunction = 9 points <sup>(65)</sup>
- MDC
  - Ankle Sprains = 4 points <sup>(63)</sup>
  - Joint Pain and Fractures <sup>(64)</sup>
    - Anterior Cruciate Ligament reconstruction = 8.7 points
    - Arthroplasty
      - Total knee = 9 points
      - Total hip = 9 points
    - Hip Impairment = 7 points or 11.3%
    - Lower Extremity Injury = 9 points
  - Knee <sup>(65)</sup>
    - Anterior knee pain = 8 points
    - Osteoarthritis = 19.2 points (at 2 months)
    - Osteoarthritis = 17.6 points (at 6 months)
    - Osteoarthritis = 22.6 points (at 12 months)
    - Total knee arthroplasty = 9 points
  - Lower extremity musculoskeletal dysfunction = 9 points <sup>(65)</sup>
  - Osteoarthritis

- Hip = 9.9 – 10 points <sup>(65,66)</sup>
  - Lower extremity = 9 points
- SEM
  - Ankle Sprains = 4 points <sup>(63)</sup>
  - Chronic Pain (Orthopaedic Rehab) = 4 points
  - Joint Pain and Fractures <sup>(64)</sup>
    - Anterior Cruciate Ligament reconstruction = 3.7 points
    - Arthroplasty
      - Total knee = 3.7 points
      - Total hip = 3.7 points
    - Lower Extremity Injury = 3.9 points
    - Orthopaedic Rehab = 4 points
  - Knee <sup>(65)</sup>
    - Anterior knee pain = 0.10 points
    - Osteoarthritis = 3.4 points
    - Osteoarthritis = 6.9 points (at 2 months)
    - Osteoarthritis = 6.4 points (at 6 months)
    - Osteoarthritis = 8.2 points (at 12 months)
    - Total knee arthroplasty = 3.7 points
  - Osteoarthritis
    - Hip = 3.6 – 5.3 points <sup>(66)</sup>
    - Orthopaedic Rehab = 4 points
- **NOTE:** It is recommended that the LEFS be used at baseline and for every 2 - 4 weeks or 6 - 12 visits thereafter within the treatment program to measure progress

### ***Lysholm Knee Rating System*** <sup>(62)</sup>

- MDC
  - Knee Injuries (Anterior Cruciate Ligament, meniscal, chondral, patellar dislocation) = 8.9 – 10.1
- SEM
  - Knee Injuries (Anterior Cruciate Ligament, meniscal, chondral, patellar dislocation) = 3.2 – 3.6

### ***Neck Disability Index (NDI)***

- MCID
  - Cervical radiculopathy = 7.0 – 8.5 points <sup>(67,68)</sup>
  - Cervical spine fusion = 7.5 points <sup>(67)</sup>

- Mechanical neck disorders = 5 – 7.5 points <sup>(67)</sup>
- Mechanical neck disorders = 19% <sup>(67)</sup>
- Mechanical neck pain = 7.5 points <sup>(68)</sup>
- Neck Pain (non-specific) = 3.5 points <sup>(67)</sup>
- MDC
  - = 10 – 20%
  - Cervical radiculopathy = 10.2 – 13.4 points <sup>(67)</sup>
  - Mechanical neck disorders = 10.2 points <sup>(67)</sup>
  - Mechanical neck disorders = 19.6% <sup>(67)</sup>
  - Mechanical pain = 10.2 points <sup>(68)</sup>
  - Neck pain = 5 points (90% CI) <sup>(69)</sup>
  - Neck Pain (non-specific) = 8.4 – 10.5 <sup>(67)</sup>
- SEM
  - Cervical Radiculopathy = 4.4 – 5.7 <sup>(67)</sup>
  - Mechanical Neck Disorder = 4.3 – 8.4 <sup>(67)</sup>
  - Neck Pain (non-specific) = 3.0 <sup>(67)</sup>

**NOTE:** It is recommended that the Neck Disability Index be used at baseline and for every 2 weeks thereafter within the treatment program to measure progress.

**NOTE:** A score of 0% - 20% represents a minimal disability; usually, no treatment is indicated except for advice on posture, physical fitness, and diet. Patients often do not score the Neck Disability items as zero, once they are in treatment. The practitioner should consider the patient's prior level of function when goal writing (e.g., the patient's prior level of function would place them in the minimal disability category, their goal should not be to obtain a zero score).

### ***Numeric Pain Rating Scale (NPRS)*** <sup>(70,71)</sup>

- MCID <sup>(70)</sup>
  - Emergency Room (acute pain) = 1.3 points <sup>(70)</sup>
  - Low Back Pain (1 week of physical therapy) = 1.5 points
  - Low Back Pain (4 weeks of physical therapy) = 2.2 points
  - Musculoskeletal Pain (Chronic) = 1 point or 15% change
  - Chronic Pain (other; low back pain, OE, diabetic neuropathy, post-herpetic neuralgia, fibromyalgia) = 1.7 points or reduction of 27.9%
  - Post-operative
    - Abdominal surgery = 56%
    - Orthopedic surgery = 28.6%
    - Other types of surgery = 15.4%
  - Shoulder Pain = 2.17 points (surgical and nonsurgical subjects after 3-4 week of

rehabilitation)

- Spinal cord injuries (Chronic) = 1.6 – 1.80 points or 36% <sup>(70,71)</sup>
- MDC <sup>(70)</sup>
  - Low Back Pain = 2 points (95% CI)
- SEM <sup>(70)</sup>
  - Low Back Pain = 1.02

### **Oswestry Disability Index (ODI) <sup>(72)</sup>**

- MCIC
  - Lower back = 10 points or a 20% improvement
- MCID <sup>(73)</sup>
  - Low back pain (anchor based, ROC) = 7.5% - 16.7%
  - Lumbar Spine Surgery (anchor based (HTI)) = 9.5 – 15.4 points
  - Lumbar Spine Surgery (anchor based (ROC)) = 11.8 – 17.9 points
  - SI Joint Fusion Surgery (anchor based (HTI)) = 19.5% average change
  - SI Joint Fusion Surgery (ROC) = 12.2% - 15.0%
  - Spinal Deformity Surgery = 15.0%
- MDC
  - Back pain = 5.9 – 6.4 points (90% CI) <sup>(73)</sup>
  - Low back pain (subacute and chronic) = 11.1 – 15.35 (95% CI) <sup>(74)</sup>
  - Lumbar fusion = 11.7% - 15.5 % (90-95% CI) <sup>(73)</sup>
- SEM <sup>(73)</sup>
  - Back pain (mean duration 6 years) = 4.2 – 4.6 points
  - Low/upper back pain (< 1 year) = 2.6% - 2.8%
  - Spinal stenosis = 6.1%

**NOTE:** It is recommended that the Oswestry Disability Index be used at baseline and for every 2 weeks thereafter within the treatment program to measure progress.

**NOTE:** A score of 0% -20% represents a minimal disability; usually no treatment is indicated apart from advice on lifting, sitting posture, physical fitness, and diet. Patients often do not score the Oswestry items as zero once they are in treatment. The practitioner should consider the patient's prior level of function when goal writing (e.g., if the patient's prior level of function would place them in the minimal disability category, their goal should not be to obtain a zero score).

### **Pain Disability Index <sup>(75)</sup>**

- MCIC
  - Low Back Pain (chronic) = decrease of 8.5 - 9.5 points

### ***Patient Specific Functional Scale (PSFS) <sup>(76-78)</sup>***

- MCID <sup>(77)</sup>
  - Humeral fracture (proximal) = 2 or more points
  - Knee arthroplasty (total) = 3.83 – 5.13
  - Osteoarthritis (hand) = 2.2-point change
  - Spinal Stenosis = 1.34 points
  - Upper Extremity Musculoskeletal = 1.2 points
- MDC
  - Chronic pain = 2 points <sup>(77)</sup>
  - Knee dysfunction = 1.5 <sup>(77)</sup>
  - Low Back pain = 1.4 points <sup>(77)</sup>
  - Lower Limb Amputees = 11.2 (90% CI) <sup>(77)</sup>
  - Neck Dysfunction and Whiplash = 2 points <sup>(77)</sup>
  - Older adults = 2.8 <sup>(77)</sup>
  - Osteoarthritis (hand) = 1.30 (90% CI) 1.56 (95% CI) <sup>(77)</sup>
  - Single activity score = 3 points (90% CI)
  - Spinal Stenosis = 2.4 points <sup>(77)</sup>
- SEM
  - Chronic pain = 0.41 <sup>(77)</sup>
  - Knee dysfunction = 0.62 – 1.0 <sup>(77)</sup>
  - Knee arthroplasty (total, 3 months post-surgery) = 1.38 – 1.85 <sup>(77)</sup>
  - Lower Limb Amputees = 4.8 <sup>(77)</sup>
  - Neck dysfunction or pain = 0.43 <sup>(76,77)</sup>
  - Older Adults = 1.0 <sup>(77)</sup>
  - Osteoarthritis (hand) = 0.56 <sup>(77)</sup>
  - Spinal Stenosis = 1.03 <sup>(77)</sup>

**NOTE:** It is recommended that the PSFS be used at baseline and for every 2-4 weeks or 6-12 visits thereafter within the treatment program to measure progress

### ***Peabody Developmental Motor Scales-2nd Edition (PDMS-2) <sup>(79)</sup>***

- MCID <sup>(80,81)</sup>
  - Intellectual disabilities (includes preschoolers) = 8.39
- MDC <sup>(80,81)</sup>
  - Intellectual disabilities (includes preschoolers) = 7.76
- SEM
  - Cerebral Palsy <sup>(80,81)</sup>

- Fine Motor Quotient = 2.5
- Gross Motor Quotient = 1.1
- Total Motor Quotient = 1.6
- Intellectual Disability = 1.80 <sup>(80)</sup>

### ***Pediatric Balance Scale*** <sup>(82)</sup>

- MDC:
  - Cerebral Palsy
    - Dynamic = 0.96 points
    - Static = 0.79 points
    - Total = 1.59 points
- MDIC
  - Cerebral Palsy
    - Dynamic 2.92
    - Static 2.92
    - Total 5.83

### ***Pediatric Evaluation of Disability Inventory (PEDI)*** <sup>(83)</sup>

- MCID
  - Caregiver Assistance
    - = 11.6 (Lickert Scale with range 8.7-14.9)
  - Functional Skills
    - = 10.9 (Lickert Scale with range 8.7-14.9)
  - Visual Analog Scale (VAS)
    - = 11.5 (mean)
    - = 11.2 (Caregiver Assistance with range 6.0-15.6)
    - = 11.6 (Functional Skills with range 6.0-15.6)
  - Traumatic Brain Injury, Spinal Cord Injury, Lower Extremity Trauma, Non-traumatic Brain Injury, Developmental Disorders
    - = 11 points (mean; all 6 scales)
    - = 11.3 (mean; for Likert Scale categories)

### ***Roland-Morris Disability Questionnaire (RMDQ)*** <sup>(84,85)</sup>

- MCID <sup>(84)</sup>
  - Low Back Pain
    - Acute, subacute, or chronic = 3.5 points
    - Detect change = 3 points or 30% of baseline score

- Score > 7 then = 3 points
- Score < 7 then = 30% change in score
- Treatment of 3-6 weeks = 5-point change
- MDC <sup>(85)</sup>
  - = 7.6 points or a 30% improvement from baseline
- SEM <sup>(84)</sup>
  - Low Back Pain = 1.79
  - Lumbar Disc Surgery (post) = 2.0 scale points (95% CI)

**NOTE:** It is recommended that the RMDQ be used at baseline and for every 2-4 weeks or 6-12 visits thereafter within the treatment program to measure progress.

### ***Roll Evaluation of Activities of Life (REAL) <sup>(86)</sup>***

- MDC
  - Children without Disabilities (Ages 2-18)
    - ADL = 15.91
    - IADL = 11.08
- SEM
  - Children without Disabilities (Ages 2-18)
    - Activities of Daily Living
      - Average = 5.74
      - Preschool = 1.41
      - Elementary = 3.00
      - Preadolescent = 2.45
      - Teenage = 4.00
    - Independence with Activities of Daily Living
      - Average = 4.00
      - Preschool = 1.73
      - Elementary = 2.00
      - Preadolescent = 1.41
      - Teenage = 2.65
- Mean Standard Scores
  - Children with Disabilities
    - Attention Deficit Disorders: 85.08
    - Autism Spectrum Disorder: 54.53
    - Cerebral Palsy: -6.17
    - Children with Disabilities: 67.14

- Developmental Delay: 60.34
- Down Syndrome: 55.17
- Learning Disabled: 76.32
- Sensory Integration Disorders: 88.86
- Speech Delay: 99.53

### ***Shoulder Pain and Disability Index (SPADI)***

- MCID
  - Musculoskeletal Upper Extremity Problems = 13.2 <sup>(87)</sup>
  - Pain Upper Extremity = 8 – 10 points <sup>(87,88)</sup>
  - Rotator Cuff Disease = 15.4 <sup>(87)</sup>
- MDC <sup>(87)</sup>
  - Adhesive Capsulitis = 17
  - Arthroplasty (shoulder) = 18
  - Musculoskeletal Upper Extremity Problems = 18.1
  - Shoulder Disorders = 21.5
- MIC
  - Shoulder pain = 20 points (43% of baseline) <sup>(89)</sup>
- SEM
  - Arthroplasty (shoulder) = 2 <sup>(88)</sup>
  - Non-specific population = 4.75 – 11.65 <sup>(87)</sup>
- SDC
  - Shoulder pain = 19.7 points <sup>(89)</sup>

**NOTE:** It is recommended that the SPADI be used at baseline and for every 2 - 4 weeks or 6 - 12 visits thereafter within the treatment program to measure progress

### ***Simple Shoulder Test (SST)***

- MCID
  - Arthroplasty (anatomic total shoulder) (aTSA) = 1.6 <sup>(90)</sup>
  - Arthroplasty (Ream-and-run) (R&R) = 2.6 <sup>(90)</sup>
  - Arthroplasty (Reverse total shoulder) (rTSA) = 3.7 <sup>(90)</sup>
  - Arthroplasty (shoulder) = 2.4 – 3.0 <sup>(91)</sup>
  - Rotator cuff disease = 8.5 – 9.7 <sup>(91)</sup>
- MDC <sup>(91)</sup>
  - Musculoskeletal (shoulder) = 32.3 (95% CI)
- SEM <sup>(91)</sup>

- Musculoskeletal (shoulder) = 4.75 -11.65

### **Timed Up and Go (TUG)**

- Cut-off score indicating risk of falls <sup>(92)</sup>
  - Adults = > 13.5 s
  - Lower extremity amputees = > 19 s
  - Older adults (fall clinic) = > 15 s
  - Older adults (frail) = > 32.6 s
  - Osteoarthritis (hip) = > 10 s
  - Parkinson's Disease = > 7.95 – 11.5 s
  - Stroke (older adults) = > 14 s
  - Vestibular disorders = > 11.1 s
- MCID
  - Lumbar degenerative disc disease (post-surgery) = 2.1 s (or TUG z score change of 1.5) <sup>(93)</sup>
- MDC
  - Alzheimer's disease = 4.09 s <sup>(92)</sup>
  - Arthroplasty (Total hip) = 1.62 s (95% CI) <sup>(94)</sup>
  - Parkinson's Disease = 3.5 – 11 s <sup>(92,95)</sup>
  - Spinal cord injury = 10.8 s (30% difference) <sup>(92,96)</sup>
  - Stroke (chronic) = 2.9 s <sup>(92)</sup>
- SEM
  - Arthroplasty (Total hip) = 0.59 s <sup>(94)</sup>
  - Alzheimer's disease <sup>(92)</sup>
    - All = 2.48 s
    - Mild to Moderate = 1.52 s
    - Moderately severe to Severe = 3.03 s
  - Cerebral Palsy <sup>(97)</sup>
    - Evening trial = 0.4 s
    - Morning trial = 0.6 s
    - Spastic diplegia mean TUG score = 10.1 s
    - Spastic hemiplegia mean TUG score = 8.4 s
    - Spastic quadriplegia mean TUG score = 28 s
    - Trials administered 5 minutes apart = 0.19 s
    - Trials administered 1 week apart = 0.32 s
  - Parkinson's Disease = 1.75 s <sup>(92,95)</sup>

- Spinal cord injury = 3.9 s <sup>(92,96)</sup>
- Stroke (chronic) = 1.14 s <sup>(92)</sup>

**NOTE:** The Timed Up and Go test has limited ability to predict falls in community dwelling elderly and should not be used in isolation to identify individuals at high risk of falls in this setting

### ***Tinetti Performance Oriented Mobility Assessment (POMA) <sup>(98)</sup>***

- Cut-Off Scores
  - Older adults = 19
  - Older adults (frail) = 11
  - Parkinson's Disease = < 20
  - Stroke (chronic) = < 20
- MDC
  - Older adults
    - Individual assessment = 4.0 – 4.2 points
    - Group assessment = 0.7 – 0.8 points
  - Stroke = 6 points

### ***Upper Extremity Functional Index/Scale (UEFI/UEFS) <sup>(99)</sup>***

- MCID
  - UEFI-20 = 8 (95% CI)
  - UEFI-15 = 6.7 (95% CI)
- MDC<sub>90</sub>
  - UEFI-20 = 9.4 (95% CI)
  - UEFI-15 = 8.8 (95% CI)
  - UEFS = 9.8 (95% CI)

**NOTE:** UEFI-20 is a 20-item Upper Extremity Functional Index (0-80, higher scores indicate better function). UEFI-15 is a 15-item Upper Extremity Functional Index (0-100, higher scores indicate better function). UEFS is an Upper Extremity Functional Scale (8-80, lower scores indicate better function).

### ***Visual Analog Scale (VAS) Scores***

- MCID
  - Hand surgery (post-operative) = 1.6 – 1.9 <sup>(100)</sup>
- MDC
  - Vestibular Disorders (Head Movement) = 4.57 <sup>(101)</sup>
- Minimum of a 2-point change on a 0-10 pain scale
- SEM

- Vestibular Disorders (Head Movement) = 1.65 <sup>(101)</sup>

## **Western Ontario and McMaster Universities Osteoarthritis Index (WOMAC)**

- MCID
  - Arthroplasty (total knee, post) <sup>(102)</sup>
    - Function = 9
    - Pain = 11
    - Stiffness = 8
    - Total score = 10
  - Osteoarthritis
    - Hip or knee = 12% change from baseline
    - Hip (total replacement) <sup>(103)</sup>
      - Pain = 29.26
      - Stiffness = 25.91
    - Knee <sup>(103)</sup>
      - 2 months = 4 – 8.8
      - 6 months = 6.6 – 6.8
      - 12 months = 1.6 – 12.0
    - Knee (total replacement) <sup>(103)</sup>
      - 6 months = 11.5
      - 12 months = 11.5
    - Lower extremity = 17 - 22% change from baseline
- MDC <sup>(103)</sup>
  - Knee (total replacement)
    - 6 months = 10.9 (95% CI)
    - 12 months = 15.3 (95% CI)
  - Hip (total replacement)
    - Function = 11.93
    - Pain = 21.38
    - Stiffness = 27.98
  - Osteoarthritis
    - Hip = 9.1 points (95% CI)
    - Hip and Knee pain = 3.94 (90% CI)
    - Knee
      - 2 months = 14.1 (95% CI)

- 6 months = 15.0 (95% CI)
  - 12 months = 18.5 (95% CI)
- MIC
  - Arthroplasty (total knee, post) <sup>(102)</sup>
    - Function = 16
    - Pain = 21
    - Stiffness = 13
    - Total score = 17
- SEM
  - Hip (total replacement) <sup>(103)</sup>
    - Pain subscale (6 months post) = 7.71
    - Physical function (6 months post) = 4.30
    - Stiffness subscale (6 months post) = 10.10
  - Knee (total replacement) <sup>(103)</sup>
    - 6 months = 3.9
    - 12 months = 5.5
    - Pain subscale (6 months post) = 8.08
    - Physical function (6 months post) = 4.73
    - Stiffness subscale (6 months post) = 10.50
  - Osteoarthritis <sup>(103)</sup>
    - Hip = 3.3
    - Knee
      - 2 months = 5.1
      - 6 months = 5.4
      - 12 months = 6.7
  - Osteoarthritis (Older individuals with hip or knee)
    - Pain = 0.58
    - Physical function = 1.65
    - Stiffness = 0.62

## CODING AND STANDARDS

### Applicable Lines of Business

☒	CHIP (Children’s Health Insurance Program)
☒	Commercial
☒	Exchange/Marketplace
☒	Medicaid
☒	Medicare Advantage

## BACKGROUND

The records must compare baseline measures to updated measures and document progress toward measurable goals as defined in Clinical Guideline and Plan of Care.

It is the responsibility of the treating practitioner to maintain a patient record that includes periodic measures of treatment response by employing valid, reliable, and relevant outcome assessment tools and include sufficient clinical documentation, so that a peer reviewer can render a reasonable determination on baseline functional status and/or treatment response.

Most individuals can expect to notice measurable improvement in pain and/or disability within 2 to 6 weeks after beginning treatment. If improvement has not occurred with 6 weeks of treatment, it is highly unlikely that continuing treatment will be helpful. When initial improvement did occur, studies showed no additional lasting improvement beyond 6 to 12 weeks of treatment. Most flare-ups resolve quickly, within a few days to 3 weeks.

When progress towards goals is such that outcome measures approximate normative data for asymptomatic populations or are indicative of mild deficits, which can typically be managed through home exercise or other self-care, then a determination of maximum therapeutic benefit (MTB) is appropriate.

## Definitions

### Episode of Care

Consultation or treatment preceded and followed by at least 3 months without treatment for the same complaint.

### Lasting, Sustainable Progress

Progress made by the patient has been maintained at a reasonable level over a reasonable period of time.

### Maximum Therapeutic Benefit (MTB)

MTB is determined following a sufficient course of care where demonstrable improvement would be expected in a patient’s health status and one or more of the following are present:

- The patient has returned to pre-clinical/pre-onset health status

- Meaningful improvement has occurred; however, there is no basis for further meaningful improvement
- Meaningful improvement has occurred and there is no basis for further in-office treatment
- The patient no longer demonstrates meaningful clinical improvement, as measured by standardized outcome assessment tools
- Meaningful improvement, as measured by standardized outcome assessment tools, has not been achieved
- There is insufficient information documented in the submitted patient record to reliably validate the response to treatment

### **Minimally Clinically Important Change (MCIC)**

The smallest change in the outcome assessment score that the patient perceives as beneficial, i.e., clinically meaningful improvement.

### **Minimal Clinically Important Difference (MCID)**

MCID is the smallest change in an outcome that a patient would identify as important.

### **Minimal Detectable Change (MDC)**

The minimal detectable change is the smallest change in score than can be detected beyond random error and is dependent upon sample distribution.

### **Minimal Important Change (MIC)**

A threshold for a minimal within-person change over time, above which patients perceive themselves as importantly changed

### **Outcome Measures**

- Objective, measurable assessments by the clinician to determine patient progress with treatment
- Standardized tests and measures at the onset of care establishes the baseline status of the patient, providing a means to quantify change in the patient's functioning
- Used with other standardized tests and measures throughout the episode of care as part of periodic reexamination to provide information about whether predicted outcomes are being realized
- Refers to the systematic collection (data gathered at multiple time points using same methods) and analysis of information that is used to evaluate the efficacy of an intervention

### **Patient Acceptable Symptom State (PASS)**

PASS is defined as the point at which the patient considers themselves well, recovered, and satisfied with treatment.

### **Smallest Detectable Change (SDC)**

A value for the minimum change that needs to be observed to know that the observed change is real and not potentially a product of measurement error.

### **Smallest Real Change (SRC)**

Meaningful improvement can occur only when there is a potential for MCIC. The timelines for improvement may not be applicable to some types of post-surgical care.

**Specific, Measurable, and Functional Goals**

Clearly defined goals of treatment that allow measurement of the amount and/or degree of meaningful change over time. These goals are often determined by the use of functional outcome assessment tools, as defined in Clinical Guideline, Record Keeping and Documentation Standards.

**Standard Error of Measurement (SEM)**

Estimates the standard error in a set of repeated scores.

**Treatment Goals**

Determined at the initial encounter for each episode of care between the patient and clinician. Unique for each patient’s clinical presentation based on the evaluation/examination findings, outcome assessment tool results, and personal preferences.

**POLICY HISTORY**

Date	Summary
November 2024	<ul style="list-style-type: none"> <li>● This guideline replaces Evolent_CG_605 for Measurable Progressive Improvement</li> <li>● Removed the CPT Codes section from Coding</li> <li>● Updated numerical indications based upon clinical literature, where appropriate</li> <li>● Added Knee Injury and Osteoarthritis Outcome Score for Children (KOOS-Child) as a new section in the Indications</li> <li>● Editorial changes to match the formatting and layout of the Evolent template</li> <li>● Removed duplicate/unnecessary references for concision</li> </ul>
December 2023	<ul style="list-style-type: none"> <li>● Measurable improvement thresholds added</li> <li>● Editorial changes</li> <li>● References updated</li> </ul>

**LEGAL AND COMPLIANCE**

**Guideline Approval**

***Committee***

**Reviewed / Approved by Evolent Specialty Clinical Guideline Review Committee**

**Disclaimer**

*Evolent Clinical Guidelines do not constitute medical advice. Treating health care professionals are solely responsible for diagnosis, treatment, and medical advice. Evolent*



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