



Harmony Behavioral Health, Inc.

Harmony Behavioral Health of Florida, Inc.

Harmony Health Plan of Illinois, Inc.

HealthEase of Florida, Inc.

*'Ohana Health Plan, a plan offered by
WellCare Health Insurance of Arizona, Inc.*

WellCare Health Insurance of Illinois, Inc.

WellCare Health Insurance of New York, Inc.

WellCare Health Plans of New Jersey, Inc.

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WellCare of Texas, Inc.

WellCare Prescription Insurance, Inc.

Gait Analysis

Policy Number: HS-096

Original Effective Date: 4/2/2009

Revised Date(s): 7/7/2011

DISCLAIMER

The Clinical Coverage Guideline is intended to supplement certain standard WellCare benefit plans. The terms of a member's particular Benefit Plan, Evidence of Coverage, Certificate of Coverage, etc., may differ significantly from this Coverage Position. For example, a member's benefit plan may contain specific exclusions related to the topic addressed in this Clinical Coverage Guideline. When a conflict exists between the two documents, the Member's Benefit Plan always supersedes the information contained in the Clinical Coverage Guideline. Additionally, Clinical Coverage Guidelines relate exclusively to the administration of health benefit plans and are NOT recommendations for treatment, nor should they be used as treatment guidelines. The application of the Clinical Coverage Guideline is subject to the benefit determinations set forth by the Centers for Medicare and Medicaid Services (CMS) National and Local Coverage Determinations and state-specific Medicaid mandates, if any.

APPLICATION STATEMENT

The application of the Clinical Coverage Guideline is subject to the benefit determinations set forth by the Centers for Medicare and Medicaid Services (CMS) National and Local Coverage Determinations and state-specific Medicaid mandates, if any.

BACKGROUND

Human gait consists of a complex and highly coordinated series of movements. Analysis of human gait usually divides gait into the movements required to take a step, also referred to as the gait cycle. The gait cycle defines the sequence of movements occurring from heel strike to heel strike of the same foot. It is divided into two main phases: stance phase and swing phase. The stance phase is further subdivided into the contact, midstance, and propulsive phases.

Human gait may be altered by underlying conditions that affect the musculoskeletal system involved in gait. Examples of these conditions are cerebral palsy (CP), spastic diplegia, and meningomyelocele. Gait analysis data are used to diagnose, plan treatments, and evaluate outcomes for gait disorders. In the past, physicians used observational gait analysis systems and questionnaires to evaluate and document abnormal gait. Computerized gait analysis was developed as an objective tool to evaluate abnormal gait patterns with high reproducibility and accuracy.

POSITION STATEMENT

Gait analysis **is considered medically necessary** for members with the following indications:

- 343.9 Spastic Cerebral palsy; **OR**,
- 343.0 Spastic diplegia; **OR**,
- 741.9 Meningomyelocele; **OR**,
- Spasticity following acute brain injury.

Gait analysis **is considered experimental and investigational** for the following indications:

- Dyskinetic (athetoid) cerebral palsy; **OR**,
- Spina bifida; **OR**,
- Orthopedic applications; **OR**,
- Any indication not listed in the medically necessary section above.

NOTE: Analysis may be repeated to evaluate the results of the therapeutic intervention.

CODING**Covered CPT® Codes**

- 96000** Comprehensive computer-based motion analysis by video-taping and 3-D kinematics
96001 Comprehensive computer-based motion analysis by video-taping and 3-D kinematics; with dynamic plantar pressure measurements during walking
96002 Dynamic surface electromyography, during walking or other functional activities, 1-12 muscles
96003 Dynamic fine wire electromyography, during walking or other functional activities, 1 muscle
96004 Physician review and interpretation of comprehensive computer based motion analysis, dynamic plantar pressure measurements, dynamic surface electromyography during walking or other functional activities, and dynamic fine wire electromyography, with a written report

ICD-9-CM Procedure Codes

- 89.15** Other non-operative neurologic function tests
93.08 Electromyography

HCPCS Codes

S3900* Surface electromyography (EMG)

***S- Codes are NON COVERED FOR MEDICARE – Refer to HCPCS Level II Temporary National Codes**

Covered ICD-9 Diagnosis Codes - *This list may not be all inclusive*

- **342.10 - 342.12** SPASTIC HEMIPLEGIA AND HEMIPARESIS AFFECTING UNSPECIFIED SIDE - SPASTIC HEMIPLEGIA AND HEMIPARESIS AFFECTING NONDOMINANT SIDE
- **343.0 - 343.4** CONGENITAL DIPLEGIA - INFANTILE HEMIPLEGIA
- **343.8** OTHER SPECIFIED INFANTILE CEREBRAL PALSY
- **343.9** INFANTILE CEREBRAL PALSY UNSPECIFIED
- **741.90 - 741.93** SPINA BIFIDA UNSPECIFIED REGION WITHOUT HYDROCEPHALUS - SPINA BIFIDA LUMBAR REGION WITHOUT HYDROCEPHALUS
- SPASTICITY FOLLOWING ACUTE BRAIN INJURY

Gait analysis is considered **experimental and investigational** for the following indications:

Non-Covered ICD-9-CM Diagnosis Codes

- **333.71** Dyskinetic (athetoid) cerebral palsy
- **741.00 - 741.03** Spina Bifida with Hydrocephalus
- **Orthopedic applications**
- **Any indication not listed in the medical necessity section above**

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REFERENCES

Peer Reviewed

1. Hayes Directory. Computerized Gait Analysis for Cerebral Palsy, Spina Bifida, and Orthopedic Disorders. November 3, 2006.

Government Agencies, Professional and Medical Organizations

1. Centers for Medicare and Medicaid Services (CMS), Local Coverage Determination (LCD), Gait Analysis (L28263). Palmetto GBA. November 24, 2010.
2. UnitedHealthcare Technology Assessment. Computerized Gait Analysis for Cerebral Palsy, Spina Bifida, and Orthopedic Disorders. February 15, 2007.

HISTORY AND REVISIONS

Date	Action
12/1/2011	<ul style="list-style-type: none">• New template design approved by MPC.
7/7/2011	<ul style="list-style-type: none">• Approved by MPC. Added 3 covered ICD-9 codes and 2 non-covered.