

Functional Capacity Evaluation

Table of Contents

Policy Statement	1
Purpose	2
Scope	2
Definitions	2
Description	3
Background	3
Coding Information	4
References	5
History	8

Related Policies Work Conditioning Work Hardening

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Original Effective Date:	2
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480 3/2007 4/27/2023 4/2024 Imaging/Testing

Policy Statement

Pre-FCE Requirements

- 1. The FCE is indicated (see "Background" section; 'Patient Selection Criteria')
- 2. A written referral (from physician, carrier, or employer) is forwarded to the evaluator
- 3. The purpose of the FCE is explicitly stated i.e., clearly defined goals to guide test selection in the referral document and reflects one or more of the applications of an FCE
- 4. The referral source and/or evaluator should:
 - Access and review any medical reports
 - Identify potential return to work goals and options in advance
 - Assess and review information about previous duties, what jobs were attempted in the past and why return to work failed
 - Identify and consider co-morbidities and their impact on the FCE request and on the proposed return to work
 - Review any previous FCEs
 - Obtain a subjective pain assessment with self-reported impact on functional abilities and activities of daily living
 - Perform a screening examination
 - Obtain informed consent

Administration of Testing

- 1. The FCE must be administered by a qualified evaluator (see Evaluator Qualifications section)
- 2. The FCE should be approached on an individual case-by-case basis
- 3. The evaluation is a dynamic process in which the evaluator makes professional, clinical judgments based on data gathered during the evaluation
- 4. Measure/observe functional performance
 - a. Isometric or isokinetic tests of individual or whole-body torque correlate poorly with performance of functional activities.
- 5. Ensure safety & prevention of further injury:
 - a. Communicate risks and contraindications
 - b. Professional judgment is used to determine a safe maximal level for each test component
 - c. Standardized criteria for ceasing a test must be established in advance:
 - 1. Pain
 - 2. Nausea
 - 3. Dizziness
 - 4. Blurred vision
 - 5. Radicular symptoms
 - 6. Continued use of unsafe body mechanics



- d. Cardiovascular monitoring during the evaluation is required
- e. The FCE should be modified if there are any excessive rises in pulse rate, blood pressure or respiratory rate
- f. Only the required testing should be performed i.e., testing should focus on critical job demands
- 6. Evaluators should be aware of the validity and reliability of the FCE system(s) and individual test components they choose to administer.
- 7. The FCE typically requires 4 to 6 hours of client testing. The FCE may extend beyond 6 hours or two days to further quantify the ability of the client to sustain the work tasks over a regular work schedule. The length of the FCE is dependent upon:
 - The complexity of the illness or injury and the residual impairments
 - The availability of clearly defined, work related physical demands

Interpretation of Results

- 1. Test results should be compared with normative data for the system employed
- 2. Results should be relevant to and comparable with the physical demands of a job when identified

Reporting

Reports must be submitted in writing. Reporting requirement details are described in another section of this document.

Coverage

Functional Capacity Evaluation (FCE) is limited to one assessment every 12 months. However, there may be cases that warrant a repeat FCE in less than 12 months. These cases will be reviewed individually based upon individual client/patient objective data compared to standardized norms.

Purpose

This policy describes the criteria and standards used by Optum* (OptumHealth Care Solutions, LLC) for the clinically appropriate and medically necessary application of functional capacity evaluations (FCE) CPT code 97750.

Scope

This document was developed primarily for Workers' Compensation products, where care management is being rendered for individuals who have musculoskeletal conditions that are medically stable and demonstrate residual limitation of function and disability.

Definitions

A *Functional Capacity Evaluation* (FCE) is a method commonly used in work rehabilitation for assessing the residual capacity of the injured worker for return to work. The conceptual basis of the FCE is an evaluation of the person's potential to perform the physical demands of work in a safe environment. The FCE is based on the observation of the performance of the physical demands of work. FCEs are used as an adjunct method of making judgments of performance potential and readiness for work following a musculoskeletal injury.



Description

The process recommended for conducting safe, relevant and actionable functional capacity examinations (FCEs) can be described by the following components:

- 1. Pre-FCE requirements
- 2. Administration of testing
- 3. Interpretation of results
- 4. Reporting

Background

Purpose

Functional Capacity Evaluations (FCEs) provide an objective measurement system to evaluate activity and activity limitations with the specific purpose of matching physical abilities with essential and critical job demands. FCEs also assist with identifying job modifications to enhance worker safety and delineating functional capacities in case of litigation, impairment and disability. The focus of the FCE is on the job demands and the performance of the job demands.

Historically, return-to-work decisions were based upon diagnoses and prognoses of physicians, but did not include objective work function information. Practitioners, whose core competencies include functional evaluation, began to develop relative functional tests. These tests examined and evaluated the ability to perform physical work functions as described in the *Selected Characteristics of Occupations as Defined in the Revised Dictionary of Occupational Titles*. Functional examination/evaluation combined with diagnoses and prognoses by trained clinicians has become an accepted tool for safely returning individuals to employment.

Patient Selection Criteria

The FCE may be indicated for the assessment of the worker's capacity to meet the physical demands of specific duties when other sources do not provide this information. *It is noted that a work trial is often the most valid test of a worker's capacity.*

The FCE may be used as a source of information for the development of a return to work program/plan at the point of maximal medical improvement when:

- Treatment progress has reached a plateau/medically stationary
- Discrepancy between subjective complaints and objective findings
- Difficulty returning to gainful employment
- Physical limitations and/or functional impairments impede performance of regular work demands
- Vocational planning, job placement and/or medico legal case settlement

The FCE is typically not indicated prior to three (3) months post-injury, unless there is a significant documented change in the claimant's status which justified earlier utilization.

Outcomes

Anticipated outcomes of the FCE include:

- Making recommendations about interventions such as safe manual handling and other actions which facilitate return to work
- o Specifying duties including proposed return to work duties or different duties



Facilities and Equipment

The FCE should be performed in settings that meet ALL the following:

- The equipment represents an appropriate system i.e., relevant tests, normative standards, acceptable reliability and validity
- The environment and space for the equipment meet system specifications
- The evaluator has completed the training necessary to understand the advantages and limitations of the equipment
- Appropriate maintenance and calibration of the equipment is documented and available for review
- There are appropriate planning, facilities and equipment to respond to emergencies

Evaluator Qualifications

The FCE shall be performed in its entirety by a physical or occupational therapist currently holding a valid license, or other licensed provider qualified by scope of practice. The FCE should be performed by evaluators who have education, training and competencies. Competencies must be evident by certification, where required specific to the FCE system that is being used, and by experience (having satisfactorily performed a minimum of five (5) FCEs. Proof of competencies may include a review by the Credentialing and Risk Management Committee of a sampling of previously completed FCE reports.

Reporting Requirements

Written reports will include the following information:

- a. Patient demographics including work history
- b. Indication for evaluation
- c. Type of evaluation performed
- d. Raw and tabulated data
- e. Normative data values
- f. Narrative coversheet at the beginning of the document describing the results of the evaluation and recommendations

Where relevant, the detailed report should include the following additional areas:

- g. Results of subjective interview
- h. Results of self-reported measures of disability
- i. Results of physical examination/screening
- j. Behavioral aspects including pain behavior and effort
- k. Pace of work
- 1. Clinical observations including body mechanics
- m. Functional abilities for the assessed physical demands

Coding Information

Note: The Current Procedural Terminology (CPT) codes listed in this policy may not be all inclusive and are for reference purposes only. The listing of a service code in this policy does not imply that the service described by the code is a covered or non-covered health service. Coverage is determined by the member's benefit document.

	Code	Description
9	97750	Physical performance test or measurement (e.g., musculoskeletal, functional capacity),
		with written report, each 15 minutes

^{*}OptumTM Physical Health ("Optum") includes OptumHealth Care Solutions, LLC; ACN Group IPA of New York, Inc.; ACN Group IPA of California, Inc. d/b/a OptumHealth Physical Health of California; Managed Physical Network, Inc.; and OrthoNet Holdings, Inc. which includes OrthoNet New York IPA, Inc., OrthoNet West, Inc., OrthoNet, LLC, OrthoNet of the South, Inc.



References

- American College of Occupational and Environmental Medicine. Chronic Pain. In: Occupational medicine practice guidelines: evaluation and management of common health problems and functional recovery in workers, Elk Grove Village (IL): *American College of Occupational and Environmental Medicine (ACOEM)*; 2008. P. 73-502. Guideline Summary NGC-7160
- Anderson C and Briggs J. A study of the effectiveness of ergonomically-based functional screening tests and their relationship to reducing worker compensation injuries. *Work* 2008;31:27-37.
- Barth, J, de Boer W, Busse, J, et al. Inter-rater agreement in evaluation of disability: systemic review of reproducibility studies. BMJ 2017;356:j14
- Bieniek S, Bethge M. The reliability of WorkWell Systems Functional Capacity Evaluation: a systematic review. BMC Musculoskelet Disord. 2014 Mar 27;15:106.
- Bohl, Ahn, Collins, et al. Functional Capacity Evaluation following spinal fusion surgery. Spine 2016 Jul. Volume 41, number 13, pp 1104-1110.
- Branton E, Arnold K, Appelt S, et al. A short-form functional capacity evaluation predicts time to recovery but not sustained return-to-work. J Occup Rehabil. 2010 Sep;20(3):387-93.
- Buhne D, Alles T, Hetzel C, et al. Predictive validity of a customized functional capacity evaluation in patients with musculoskeletal disorders. Int Arch Occup Environ Health. 2020 Jul;93(5):635-643
- California Functional Capacity Evaluation Guidelines for Physical Therapists <u>http://www.ccapta.org</u>
- Cancio JM, Oliver RA, Yancosek KE. Functional Capacity Evaluation-Military; Program Description and Case Series. Mil Med 2017 Jan; 182(1).
- Chen A, Cheng S. Use of Job-Specific Functional Capacity Evaluation to Predict Return to Work of Patients with Distal Radius Fracture. *American Journal of Occupational Therapy* 2011;65:445-452
- Cotton A, Schonstein E and Adams R. Use of Functional capacity Evaluations by rehabilitation providers in NSW. *Work* 2006;26:287-295.
- Current Procedural Terminology (CPT) Manual, Professional Edition. American Medical Association
- De Baets S, Calders P, Schalley N, et al. Updating the Evidence on Functional Capacity Evaluation Methods: A Systematic Review. J Occup Rehabil. 2018 Sep;28(3):418-428.
- Denniston PL, Whelan P. Official Disability Guidelines. 18th Ed. 2013; Work Loss Data Institute
- Gibson L, Strong J. A conceptual framework of functional capacity evaluation for occupational therapy in work rehabilitation. *Australian Occupational Therapy Journal* 2003;50:64-71
- Gibson L and Strong J. A review of functional capacity evaluation practice. Work 1997;9:3-11
- Gross D, Asante A, Miciak M, Battie M, et al. A cluster randomized clinical trial comparing FCE and functional interviewing as components of occupational rehabilitation programs. Journal of Occupational Rehabilitation 2014 Dec;24(4):617-630
- Gross DP, Battie MC. Reliability of Safe Maximum Lifting Determinations of a Functional Capacity Evaluation. *Physical Therapy* 2002; 82:364-371
- Gross D, Battie M Cassidy JD. The Prognostic Value of Functional Capacity Evaluation in Patients with Chronic Low Back Pain: Part 1. *Spine* 2004;29:914-919
- Gross DP, Battie MC. The Prognostic Value of Functional Capacity Evaluation in Patients with Chronic Low Back Pain: Part 2. *Spine* 2004; 29:920-924
- Gross D, Beattie M. Does functional capacity evaluation predict recovery in workers' compensation claimants with upper extremity disorders. *J Occup Environ Med* 2006;63:404-410
- Gross DP and Battie M. Factors Influencing Results of FCE in Workers' Compensation Claimants with Low Back Pain. *Physical Therapy* 2005;85:315-322
- Gross, DP, Battie, M. Functional capacity evaluation performance does not predict sustained return to work in claimants with chronic back pain. J Occup Rehabil. 2005 Sept;15(3):285-94
- Gross DP, Battie M, Asante A. Evaluation of a short-form functional capacity evaluation: less may be best. Randomized Control Trial. J Occup Rehabil. 2007 Sep;17(3):422-35.
- Gross DP, Asante KA, Miciak M, et al. A Cluster Randomized Clinical Trial Comparing Functional Capacity Evaluation and Functional Interviewing as Components of Occupational Rehabilitation Programs. *J Occup Rehabil.* 2013 [Epub ahead of print] DOI 10.1007/s10926-013-9491-4
- Guidelines for Functional Capacity Evaluations (FCE) 2006; WorkCover Corp, South Australia



- Guidelines: Occupational Health Physical Therapy: Evaluating Functional Capacity; Parts 1-3. American
 Physical Therapy Association http://www.apta.org
- Hart DL, et al. Guidelines for Functional Capacity Evaluation of People With Medical Conditions. *Journal* of Orthopedic and Sports Physical Therapy 1993; 18:682-686
- Innes E, Straker. Reliability of work-related assessments. Work 1999;13:107-124
- Innes E, Straker. Validity of work-related assessments. Work 1999;13:125-152
- Innes E and Straker L. Attributes of excellence in work-related assessments. Work 2003;20:63-76
- Innes E and Straker L. a clinician's guide to work-related assessments: 2 –design problems. Work 1998;11:191-206
- Isernhagen SJ. Functional capacity evaluation. In: Isernhagen SJ, ed. *Work Injury; Management and Prevention*. Rockville, MD: Aspen; 1988:139-194.
- Isernhagen SJ. Functional capacity evaluation: rationale, procedure, utility of the kinesiophysical approach. *Journal of Occupational Rehabilitation* 1992;2:157-168
- King PM, Tuckwell N and Barrett TE. A critical review of functional capacity evaluations. PHYS THER. 1998; 78:852-866
- Lakke SE, Soer R, et al. Construct validity of functional capacity tests in healthy workers. BMC Musculoskeletal Disord. 2013; 14:180.
- Lechner D, Page J, Sheffield G. Predictive validity of a functional capacity evaluation: the physical work performance evaluation. *Work* 2008;31:21-25
- Matheson, L. The Functional Capacity Evaluation. In G. Andersson & S. Demeter & G. Smith (Eds.), Disability Evaluation, 2nd edition 2003; Chicago, IL: Mosby Yearbook
- Matheson L, Mooney V, Grant J, et al. Standardized evaluation of work capacity. *Journal of Back and Musculoskeletal Rehabilitation* 1996;6:249-264
- McGee S, Sipos T, Allin T, et al. Systematic review of the measurement properties of performance-based functional tests in patients with neck disorders. BJM Open. 2019 Nov 24;9(11):e031242.
- Medicare Benefit Policy Manual. Centers for Medicare and Medicaid Services (CMS); http://www.cms.hhs.gov/manuals/Downloads/bp102c15.pdf
- Mahmud N, Schonstein E, Schaafsma F, et al. Functional capacity evaluations for preventing re-injuries in injured workers. *Cochrane Database of Systemic Reviews* 2010, Issue 7. Art. No.: CD007290. DOI: 10.1002/14651858.CD007290.pub2
- Oesch PR, Kool JP, Bachmann S and Devereaux. The influence of Functional capacity Evaluation on fitness for work certificates in patients with non-specific chronic low back pain. *Work* 2006;26:259-271
- Orthopedic Section of APTA. Occupational Health Physical Therapy: Evaluation FCE Guidelines. July 11, 2011
- Peppers D, Figoni SF, Carroll BW, et al. Influence of Functional Capacity Evaluation on Physician's Assessment of Physical Capacity of Veterns with Chronic Pain: A Retrospective Analysis. PM R. 2016 Oct 22.
- Post M, Krol B, Groothoff JW. Work-related determinants of return to work of employees on long-term sickness absence. *Disability and Rehabilitation* 2005;27:481-488
- Practitioner's Report of Functional Capacity Evaluation. *State of New York Workers' Compensation Board*; FCE-4 (8-03): http://www.wcb.ny.gov/
- Pransky GS, Dempsey, PG. Practical Aspects of Functional Capacity Evaluations. *Journal of Occupational Rehabilitation* 2004; 14:217-229
- Rehabilitation Therapy Utilization Guidelines for the Care and Treatment of Injured Workers. *Wyoming Workers' Safety and Compensation Division*; R02/8/08
- Reneman, Roelofs, Schiphorst-Preuper. Reliability and agreement of Neck Functional Capacity Evaluation tests with chronic multifactorial neck pain. Arch Phys Med Rehabil. 2016 Dec 31.
- Requesting Functional Capacity Evaluations. Adjudicative Advice October 2003; Workplace Safety & Insurance Board of Ontario, CA: <u>www.wsib.on.ca</u>
- Sheel C, Mecham J, Zuccarello V, Mattes R. An evaluation of the inter-rater and intra-rater reliability of OccuPro's functional capacity evaluation. Work 60(2018) 465-473
- Shu-Kei Cheng A, Wai-Chee Cheng S. The Predictive Validity of Job-Specific Functional capacity Evaluation on the Employment Status of patients with Nonspecific Low Back Pain. *J Occup Environ Med* 2010;52:719-724



- Schindl M, Wassipaul S, Wagner T, et al. Impact of Functional Capacity Evaluation on Patient-Reported Functional Ability: An Explratory Diagnostic before-After Study. J Occup Rehabil. 2019 Dec;29(4):711-717.
- Soer R, Cees P, et al. Towards Consensus in occupational definitions in functional capacity evaluation: a delphi survey. *J Occup Rehabil* 2008;18:389-400.
- Soer R, van der Schans, CP, Geertzen JH, et al. Normative values for a functional capacity evaluation. *Arch Phys med Rehabilitation* 2009;90:1785-94.
- Trippolini MA, Dijkstra PU, et al. Reliability of clinician rated physical effort determination during functional capacity evaluation in patients with chronic musculoskeletal pain. *J Occupa Rehabil*. 2013 [Epub ahead of print]
- Tuscher, J, Burrus C, Vuistiner, P, et al. Predictive Value of the Fear-Avoidance Model on Functional Capacity Evaluation. J Occup Rehab (2018) 28:513-522
- Van Abbema, et al. Factors associated with functional capacity test results in patients with non-specific chronic low back pain: a systematic review. *J Occup Rehabil* 2011;21:455-473
- Wind H, Gouttebarge V, Kuijer P, et al. Complimentary value of functional capacity evaluation for physicians in assessing the physical work ability of workers with musculoskeletal disorders. *Int Arch Occup Environ Health* 2009;82:435-443
- Wunderlich GS (Editor). Measuring Functional Capacity and Work Requirements: Summary of a Workshop. *The National Academy of Sciences* 1999: <u>www.nap.edu</u>
- Wyman DO. Evaluating patient for Return to Work. *American Family Physician* 1999; 59: www.aafp.org/afp/990215ap/844.html

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Policy History/Revision Information

Date	Action/Description
3/08/2007	Utilization Management Committee approved inactivation of the policy
4/12/2007	Quality Improvement Committee approved inactivation of policy
12/11/2008	Policy updated: placed into new format; and submitted to UMC for approval
4/30/2009	Annual review and approval completed
4/08/2010	Annual review and approval completed; references updated
10/26/2010	Policy rebranded to "OptumHealth Care Solutions, Inc. (OptumHealth)"
4/07/2011	Annual review and approval completed
4/19/2012	Annual review and approval completed
4/18/2013	Reference list updated; Annual review and approval completed
4/17/2014	Annual review and approval completed; Minor additions to Administration of Testing and Patient selection Criteria sections; Definition of FCE revised Background Purpose revised; References updated; Policy rebranded "Optum* by OptumHealth Care Solutions, Inc."
4/16/2015	Annual review and approval completed
4/21/2016	References updated; Annual review and approval completed
4/20/2017	References updated; Annual review and approval completed; Legal entity name changed from "OptumHealth Care Solutions, Inc." to "OptumHealth Care Solutions, LLC."
4/26/2018	Policy inactivated
4/22/2021	Policy reactivated after updating references. No other significant changes to the policy document
5/03/2022	References updated; Annual review and approval completed
6/29/2022	Updated legal entity name "OptumHealth Care Solutions, LLC." to *Optum [™] Physical Health ("Optum") includes OptumHealth Care Solutions, LLC; ACN Group IPA of New York, Inc.; ACN Group IPA of California, Inc. d/b/a OptumHealth Physical Health of California; Managed Physical Network, Inc.; and OrthoNet Holdings, Inc. which includes OrthoNet New York IPA, Inc., OrthoNet West, Inc., OrthoNet, LLC, OrthoNet of the South, Inc.
4/27/23	Annual review and approval completed; no significant changes made to the document. Updated contact email from policy.inquiry@optumhealth.com to phpolicy_inquiry@optum.com.

Contact Information

Please forward any commentary or feedback on Optum utilization management policies to: <u>phpolicy_inquiry@optum.com</u> with the word "Policy" in the subject line.

The services described in Optum* by OptumHealth Care Solutions, LLC policies are subject to the terms, conditions and limitations of the Member's contract or certificate. Optum reserves the right, in its sole discretion, to modify policies as necessary without prior written notice unless otherwise required by Optum's administrative procedures.

Certain internal policies may not be applicable to self-funded members and certain insured products. Refer to the member's Summary Plan Description (SPD) or Certificate of Coverage (COC) to determine whether coverage is provided or if there are any exclusions or benefit limitations applicable to any of these policies.

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If there is a difference between any policy and the member's SPD or COC, the member's SPD or COC will govern.