

## **SCG05 Improvement in Quality of Life from Partial Foot, Prosthetics**

Percentage of patients 18 years and older with a prescription for a partial foot prosthetic to assist with ambulation whose health related quality of life (HRQoL) was assessed during at least two visits during the performance period AND whose health related quality of life score score stayed the same or improved

### **2019 OPTIONS FOR INDIVIDUAL MEASURES:**

SCG Health, U.S. Wound Registry

**NATIONAL QUALITY STRATEGY DOMAIN:** Person and Caregiver Centered Experience and Outcomes

**MEASURE TYPE:** Patient Reported Outcome (PRO), High Priority

**SPECIALTY RECOMMENDATION:** Foot/Ankle Care

### **INSTRUCTIONS:**

This measure is to be reported a minimum of **once per performance period**. This measure may be reported by eligible clinicians who perform the quality actions described in the measure based on the services provided and the measure-specific denominator coding.

### **DENOMINATOR:**

**Denominator criteria (Eligible Cases):** All patients aged 18 years of age and older on the date of dispensing with an amputated toe or forefoot who had at least two medical visits during the performance period

#### **AND**

Patient prescribed during the performance period (HCPCS): L5000, L5010, L5020

#### **AND**

**Two or more visits during the performance period:** 99201, 99202, 99203, 99204, 99205, 99212, 99213, 99214, 99215, 99221, 99222, 99223, 99324, 99325, 99326, 99327, 99328, 99334, 99335, 99336, 99337, 99341, 99342, 99343, 99344, 99345, 99347, 99348, 99349, 99350, 99495, 99496, 99281, 99282, 99283, 99284, 99285, 99385, 99386, 99387, 99395, 99396, 99397, G0101, G0108, G0270, G0402, G0438, G0439

### **NUMERATOR:**

Percentage of patients whose health related quality of life was assessed with a tool(s) during at least two visits during performance period with an initial quality of life assessment using a standardized tool before the prescription of the prosthetic and with the prosthetic not less than 60 days following prescription AND whose health related quality of life score stayed the same or improved

#### **Definitions:**

Date of dispensing - The date of the patient encounter episode begins with the date that the prosthetic is dispensed to the patient

Outcome Assessment – Patient completed questionnaires designed to measure a patient’s quality of life.

Standardized Tool – An assessment tool that has been appropriately normed and validated for the population in which it is used. Examples of tools for evaluating quality of life: Centers for Disease Control and Prevention Health-Related Quality of Life (HRQoL)

Improvement – Patient response documented in two or more quality of life assessments taken 60 days or more apart between initial and final assessment demonstrating a 15% or more improvement in that the QoL score or ranking will stay the same or improve

**Numerator Options:**

**Performance met:** A partial foot, prosthetic has improved the patient's quality of life 15% or more, or stayed the same, and is documented using a standardized tool

**OR**

**Performance not met:** A partial foot, prosthetic has not improved patient's quality of life and is documented using a standardized tool – 0% to 14% improvement

**OR**

**Performance not met:** Health-related quality of life not assessed with a standardized tool

**RATIONALE:**

Centre of pressure (CoP) excursion data were collected as part of a complete gait analysis incorporating an Advanced Mechanical Technology Inc. force platform. The CoP excursion patterns, observed in a cohort of eight partial foot amputees and matched control subjects, highlight the inability of toe fillers and slipper sockets to restore the 'effective' foot length in transmetatarsal and Lisfranc amputees, whereas clamshell prostheses fitted to the Chopart amputees were able to restore the effective foot length. In the transmetatarsal and Lisfranc amputees, the observed CoP excursion patterns could indicate a learned gait strategy necessary to reduce the requirement of the weak triceps surae musculature as well as spare the sensitive distal stump from extreme forces. The toe fillers and slipper sockets fitted to these amputees may not be stiff enough to support the amputee's body weight or the device may not be designed appropriately to assist the weakened triceps musculature to resist the external moments caused by loading the forefoot. The clamshell prostheses restored the 'effective' foot length due to the rigid toe lever and clamshell socket, which could allow and comfortably support the generation of substantial external moments during terminal stance.

**CLINICAL RECOMMENDATION STATEMENTS:**

A partial foot, prosthetic allows amputee patients to enjoy a normal life following amputation of a portion of the foot, usually the hallux, toe(s) and/or metatarsals. The device allows the patient to wear a normal shoe and also assists with ambulation.

**WORKS CITED:**

Stevens, P.M., Rheinstein, J., & Wurdemam, S.R. (2018). Prosthetic foot selection for individuals with lower-limb amputation: A clinical practice guideline. *Journal of Prosthetics and Orthotics*, 30 (4). 175-180. doi: 10.1097/JPO.0000000000000181

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