

## Health Technology Clinical Committee Findings and Decision

**Topic:** Treatment of chronic migraine and chronic tension-type headache  
**Meeting date:** May 19, 2017  
**Final adoption:** July 14, 2017  
**Revised:** July 13, 2018

**Meeting materials and transcript are available on the HTA website:**  
[www.hca.wa.gov/about-hca/health-technology-assessment/meetings-and-materials](http://www.hca.wa.gov/about-hca/health-technology-assessment/meetings-and-materials)

### Number and coverage topic:

**20170519B** - Treatment of chronic migraine and chronic tension-type headache

### HTCC coverage determination:

Treatment of chronic migraine with OnabotulinumtoxinA is a **covered benefit with conditions**.

Treatment of chronic tension-type headache with OnabotulinumtoxinA is **not a covered benefit**.

Treatment of chronic migraine or chronic tension-type headache with acupuncture, massage, trigger point injections, transcranial magnetic stimulation, or manipulation/manual therapy is **not a covered benefit**.

### HTCC reimbursement determination:

#### Limitations of coverage:

For treatment of chronic migraine (as defined by the International Headache Society), OnabotulinumtoxinA is covered when the following criteria are met:

- 1) Has not responded to at least three prior pharmacological prophylaxis therapies from two different classes of drugs AND
- 2) Condition is appropriately managed for medication overuse

OnabotulinumtoxinA injections **must be discontinued** when the condition has shown inadequate response to treatment (defined as <50% reduction in headache days per month after two treatment cycles).

Maximum of five treatment cycles. Additional treatment cycles may be considered at agency discretion.

#### Non-covered indicators:

NA

**Revised Final**

**Agency contact information:**

<b>Agency</b>	<b>Phone Number</b>
Labor and Industries	1-800-547-8367
Public Employees Health Plan	1-800-200-1004
Washington State Medicaid	1-800-562-3022

**HTCC coverage vote and formal action:**

***Committee decision***

Based on the deliberations of key health outcomes the committee decided that it had the most complete information: a comprehensive and current evidence report, public comments, and state agency utilization information. The committee also determined that current evidence is sufficient to make a determination on this topic.

The committee concluded that the current evidence on treatment of chronic migraine and chronic tension headaches should be considered and voted on separately. The committee discussed and voted separately on the evidence for use of OnabotulinumtoxinA injections; massage, trigger point injections, manipulation, and transcranial magnetic stimulation; and acupuncture treatment for chronic migraine and chronic tension headaches. The committee considered the evidence and gave greatest weight to the evidence it determined, based on objective factors, to be the most valid and reliable.

Based on these findings, the committee voted to cover with conditions OnabotulinumtoxinA injections for chronic migraine.

Separately, the committee voted to not cover:

- OnabotulinumtoxinA injections for chronic tension headaches;
- Massage, trigger point injections, manipulation, and transcranial magnetic stimulation for chronic migraines and chronic tension headaches; and
- Acupuncture for chronic migraine and for chronic tension headaches.

	Not covered	Covered under certain conditions	Covered unconditionally
OnabotulinumtoxinA injections for chronic migraine	1	8	0
OnabotulinumtoxinA injections for chronic tension headaches	9	0	0
Massage, trigger point injections, manipulation, and transcranial magnetic stimulation for chronic migraine	9	0	0
Massage, trigger point injections, manipulation, and transcranial magnetic stimulation for chronic tension headaches	9	0	0
Acupuncture for chronic migraine and chronic tension headache	7	2	0

***Discussion***

The committee reviewed and discussed the available studies of treatment of chronic migraines. Details of study design, inclusion criteria and other factors affecting study quality were examined. A majority of committee members found the evidence sufficient to determine that select treatment for chronic migraine were equivalent for safety and equivalent for effectiveness compared to alternatives for some conditions, and more in some cases for cost-effectiveness. Based on the information reviewed and considered the committee identified

conditions for coverage. A majority of the committee voted to cover OnabotulinumtoxinA injections for chronic migraine with conditions.

### **Limitations**

OnabotulinumtoxinA injections are a covered benefit with conditions in adults with chronic migraine (defined as headaches on  $\geq 15$  days per month of which  $\geq 8$  days are with migraine) if:

- 1) They have not responded to at least three prior pharmacological prophylaxis therapies from two different classes of drugs AND
- 2) Their condition is appropriately managed for medication overuse

OnabotulinumtoxinA injections must be discontinued in people whose condition:

- 1) Has shown inadequate response to treatment (defined as  $< 50\%$  reduction in headache days per month after two treatment cycles) OR
- 2) Has changed to episodic migraine (defined as  $< 15$  headache days per month) for three consecutive months.

Maximum of five treatment cycles.

### **Action**

The committee checked for availability of a Medicare national coverage decision (NCD). Medicare does not have a NCD for treatment of migraines and chronic tension headaches.

The committee discussed clinical guidelines identified for chronic migraine and chronic tension headaches treatment from the following organizations:

- Diagnosis and management of headaches in young people and adult; National Institute for Health and Care Excellence (NICE) 2012.
- Botulinum toxin type A for the prevention of headaches in adults with chronic migraine; National Institute for Health and Care Excellence (NICE) 2012.
- Practice guideline update summary: botulinum neurotoxin for the treatment of blepharospasm, cervical dystonia, adult spasticity, and headache; American Academy of Neurosurgeons (AAN) 2016.
- Guideline for Primary Care Management of Headache in Adults; Towards Optimized Practice (TOP) 2016.

The committee's determinations are consistent with these guidelines.

The committee chair directed HTA staff to prepare a findings and decision document on treatment of chronic migraines for public comment; followed by consideration for final approval at the next public meeting.

Revision: July 13, 2018

### **Discussion**

The chronic migraine and chronic tension-type headache determination received final HTCC adoption on July 14, 2017. Comments received (June 20, 2017) identified an inconsistency between determination language and original committee intent; the irregularity originates under **HTCC reimbursement determination, Limitations of coverage, OnabotulinumtoxinA injections must be discontinued when the condition...**

The committee reviewed the comments regarding the reasons for discontinuation. The committee resolved the internal incongruity with intent by removing the second requirement from the criteria under discontinuation.

Requirement removed from the **Limitations of coverage**:

- 2) *Has changed to episodic migraine (defined as <15 headache days per month) for three consecutive months.*

### **Action**

One committee member abstained and eight voted to approve the removal of the second criteria.

### **Health Technology Clinical Committee Authority:**

Washington State's legislature believes it is important to use a science-based, clinician-centered approach for difficult and important health care benefit decisions. Pursuant to chapter 70.14 RCW, the legislature has directed the Washington State Health Care Authority (HCA), through its Health Technology Assessment (HTA) program, to engage in an evaluation process that gathers and assesses the quality of the latest medical evidence using a scientific research company and that takes public input at all stages.

Pursuant to RCW 70.14.110 a Health Technology Clinical Committee (HTCC), composed of eleven independent health care professionals, reviews all the information and renders a decision at an open public meeting. The Washington State HTCC determines how selected health technologies are covered by several state agencies (RCW 70.14.080-140). These technologies may include medical or surgical devices and procedures, medical equipment, and diagnostic tests. HTCC bases its decisions on evidence of the technology's safety, efficacy, and cost effectiveness. Participating state agencies are required to comply with the decisions of the HTCC. HTCC decisions may be re-reviewed at the determination of the HCA Administrator.