**How the IMR Final Determination Was Made**

MAXIMUS Federal Services sent the complete case file to an expert reviewer. He/she has no affiliation with the employer, employee, providers or the claims administrator. He/she has been in active clinical practice for more than five years and is currently working at least 24 hours a week in active practice. The expert reviewer was selected based on his/her clinical experience, education, background, and expertise in the same or similar specialties that evaluate and/or treat the medical condition and disputed items/Service. He/she is familiar with governing laws and regulations, including the strength of evidence hierarchy that applies to Independent Medical Review determinations.

The Expert Reviewer has the following credentials:
- State(s) of Licensure: Indiana
- Certification(s)/Specialty: Preventive Medicine, Occupational Medicine

**Clinical Case Summary**

The expert reviewer developed the following clinical case summary based on a review of the case file, including all medical records:

The injured worker is a 40 year old male who sustained an industrial injury on 04/01/2013. Mechanism of injury was cumulative trauma as a warehouse worker to his head, neck, back and hand. Diagnoses include cephalgia, cervical spine-rule out disc protrusion, and right wrist/hand rule out carpal tunnel syndrome. Medications were not documented, and treatments were not present with documentation. A physician progress note dated 03/12/2015 documents the injured worker complains of neck, and low back pain. An examination was done but some of documentation was difficult to decipher. Treatment requested is for 10 acupuncture therapy sessions for the cervical, lumbar spine and right wrist, 10 physical therapy sessions for the cervical, lumbar spine and right wrist, 6 chiropractic therapy for the cervical, lumbar spine and right wrist, MRI of the cervical spine, and MRI of the lumbar spine.

**IMR Issues, Decisions and Rationales**

The Final Determination was based on decisions for the disputed items/services set forth below:

**10 Physical Therapy Sessions for the Cervical, Lumbar Spine and Right Wrist:** Upheld

Claims Administrator guideline: Decision based on MTUS Chronic Pain Treatment Guidelines.
**MAXIMUS guideline:** Decision based on MTUS Chronic Pain Treatment Guidelines Manual therapy and manipulation Page(s): 58-60. Decision based on Non-MTUS Citation Official Disability Guidelines (ODG) Low Back - Lumbar & Thoracic (Acute & Chronic), Physical Therapy.

**Decision rationale:** California MTUS guidelines refer to physical medicine guidelines for physical therapy and recommends as follows: "Allow for fading of treatment frequency (from up to 3 visits per week to 1 or less), plus active self-directed home Physical Medicine." Additionally, ACOEM guidelines advise against passive modalities by a therapist unless exercises are to be carried out at home by patient. ODG quantifies its recommendations with 10 visits over 8 weeks for lumbar sprains/strains and 9 visits over 8 weeks for unspecified backache/lumbago. ODG further states that a "six-visit clinical trial" of physical therapy with documented objective and subjective improvements should occur initially before additional sessions are to be warranted. Medical records indicate there was no trial, and the requested quantity is in excess of the guidelines. Therefore, the request is not medically necessary.

**10 Acupuncture Therapy Sessions for The Cervical, Lumbar Spine and Right Wrist:** Upheld

**Claims Administrator guideline:** Decision based on MTUS Acupuncture Treatment Guidelines.

**MAXIMUS guideline:** Decision based on MTUS Acupuncture Treatment Guidelines. Decision based on Non-MTUS Citation Official Disability Guidelines (ODG) Low Back - Lumbar & Thoracic (Acute & Chronic), Acupuncture.

**Decision rationale:** MTUS "Acupuncture Medical Treatment Guidelines" clearly state that "acupuncture is used as an option when pain medication is reduced or not tolerated; it may be used as an adjunct to physical rehabilitation and/or surgical intervention to hasten functional recovery." The medical documents did not provide detail regarding patient's increase or decrease in pain medication. Further, there was no evidence to support that this treatment would be utilized as an adjunct to physical rehabilitation or surgical intervention to hasten functional recovery. ODG does not recommend acupuncture for acute low back pain, but "may want to consider a trial of acupuncture for acute LBP if it would facilitate participation in active rehab efforts." The initial trial should "3-4 visits over 2 weeks with evidence of objective functional improvement, total of up to 8-12 visits over 4-6 weeks (Note: The evidence is inconclusive for repeating this procedure beyond an initial short course of therapy.)" There is no evidence provided that indicates the patient received acupuncture before or that the acupuncture sessions are being used as an adjunct to physical rehabilitation or surgical intervention. Additionally, the request for 10 initial sessions is in excess of the recommended trial by ODG. As such, the request is not medically necessary.

**MRI of The Lumbar Spine:** Upheld

**Claims Administrator guideline:** Decision based on MTUS Chronic Pain Treatment Guidelines.
MAXIMUS guideline: Decision based on MTUS ACOEM Chapter 12 Low Back Complaints Page(s): 287-315. Decision based on Non-MTUS Citation Official Disability Guidelines (ODG) Low Back - Lumbar & Thoracic (Acute & Chronic), MRIs (magnetic resonance imaging).

Decision rationale: MTUS and ACOEM recommend MRI, in general, for low back pain when "cada equine, tumor, infection, or fracture are strongly suspected and plain film radiographs are negative, MRI test of choice for patients with prior back surgery." ACOEM additionally recommends against MRI for low back pain "before 1 month in absence of red flags". ODG states, "Imaging is indicated only if they have severe progressive neurologic impairments or signs or symptoms indicating a serious or specific underlying condition, or if they are candidates for invasive interventions. Immediate imaging is recommended for patients with major risk factors for cancer, spinal infection, cauda equina syndrome, or severe or progressive neurologic deficits. Imaging after a trial of treatment is recommended for patients who have minor risk factors for cancer, inflammatory back disease, vertebral compression fracture, radiculopathy, or symptomatic spinal stenosis. Subsequent imaging should be based on new symptoms or changes in current symptoms." The medical notes provided did not document (physical exam, objective testing, or subjective complaints) any red flags, significant worsening in symptoms or other findings suggestive of the pathologies outlined in the above guidelines. As such, the request for MRI lumbar spine is not medically necessary.

MRI of The Cervical Spine: Upheld

Claims Administrator guideline: Decision based on MTUS Chronic Pain Treatment Guidelines.

MAXIMUS guideline: Decision based on MTUS ACOEM Chapter 8 Neck and Upper Back Complaints Page(s): 117-182. Decision based on Non-MTUS Citation Official Disability Guidelines (ODG) Neck and Upper Back, Magnetic resonance imaging (MRI).

Decision rationale: ACOEM states "Criteria for ordering imaging studies are: Emergence of a red flag, Physiologic evidence of tissue insult or neurologic dysfunction, Failure to progress in a strengthening program intended to avoid surgery and Clarification of the anatomy prior to an invasive procedure". ODG states, "Not recommended except for indications list below. Patients who are alert, have never lost consciousness, are not under the influence of alcohol and/or drugs, have no distracting injuries, have no cervical tenderness, and have no neurologic findings, do not need imaging". Indications for imaging, MRI (magnetic resonance imaging): Chronic neck pain (after 3 months conservative treatment), radiographs normal, neurologic signs or symptoms present; Neck pain with radiculopathy if severe or progressive neurologic deficit; Chronic neck pain, radiographs show spondylosis, neurologic signs or symptoms present; Chronic neck pain, radiographs show old trauma, neurologic signs or symptoms present; Chronic neck pain, radiographs show bone or disc margin destruction; Suspected cervical spine trauma, neck pain, clinical findings suggest ligamentous injury (sprain), radiographs and/or CT "normal"; Known cervical spine trauma: equivocal or positive plain films with neurological deficit; Upper
back/thoracic spine trauma with neurological deficit. The treating physician has not provided evidence of red flags to meet the criteria above. As such, the request for MRI of the cervical spine is not medically necessary.

6 Chiropractic Therapy for The Cervical, Lumbar Spine and Right Wrist: Overturned

Claims Administrator guideline: Decision based on MTUS Chronic Pain Treatment Guidelines.

MAXIMUS guideline: Decision based on MTUS Chronic Pain Treatment Guidelines Manual therapy Page(s): 58-60. Decision based on Non-MTUS Citation Official Disability Guidelines (ODG) Low Back - Lumbar & Thoracic (Acute & Chronic), Chiropractic, Manipulation.

Decision rationale: ODG recommends chiropractic treatment as an option for acute low back pain, but additionally clarifies that "medical evidence shows good outcomes from the use of manipulation in acute low back pain without radiculopathy (but also not necessarily any better than outcomes from other recommended treatments). If manipulation has not resulted in functional improvement in the first one or two weeks, it should be stopped and the patient reevaluated." Additionally, MTUS states "Low back: Recommended as an option. Therapeutic care, Trial of 6 visits over 2 weeks, with evidence of objective functional improvement, total of up to 18 visits over 6-8 weeks. Elective /maintenance care, Not medically necessary. Recurrences/flare-ups - Need to reevaluate treatment success, if RTW achieved then 1-2 visits every 4-6 months." There is no documentation of a trial of sessions, and the requested quantity in line with the guidelines. Therefore, the request is medically necessary.