

IME Purpose Letter with AI-Assisted Comorbidity Analysis (Appendix Format)

Date: November 5, 2025

CLAIMANT: Jennifer Martinez

DATE OF INJURY: April 12, 2024

CLAIM #: WC-2024-JM-001

Dr. Michael Chen, MD

Pain Management Specialist

Phoenix Medical Center

Dear Dr. Chen,

The medical records have been placed into chronological order and sent under separate cover for your medical evaluation on **November 15, 2025**. Please contact us immediately if these have not been received.

Your narrative report, along with any additional billing, can be faxed to **623-398-0743**, e-mailed to our HIPAA compliant e-mail ****ime@medicaleval.com**** or sent directly to:

Medical Evaluation Services

C/O Phoenix Medical Center

1234 Medical Drive, Suite 200

Phoenix, AZ 85027

Patient Profile

Jennifer Martinez is a ****39 year old****, ****right hand dominant****, ****Warehouse Supervisor**** for ****Arizona Logistics Company****. Ms. Martinez filed a claim for ****LOWER BACK**** for an injury that occurred on the job, on ****April 12, 2024****.

Medical Chronology

April 12, 2024: Patient sustained workplace injury while lifting heavy boxes, resulting in immediate onset of severe lower back pain radiating to left leg. Initial treatment: rest and over-the-counter pain medications.

May 20, 2024: Evaluation by Dr. Sarah Johnson, Orthopedic Specialist. MRI revealed L4-L5 disc herniation with nerve root impingement. Conservative treatment with physical therapy initiated.

June 15, 2024: Completed 8 weeks of physical therapy with Mark Thompson, PT. Reported 40% improvement in pain levels but continued limitations with lifting and prolonged sitting.

August 3, 2024: Follow-up with Dr. Johnson showed persistent symptoms. Epidural steroid injection performed with temporary relief lasting approximately 6 weeks.

September 18, 2024: Evaluation by Dr. Michael Chen, Pain Management Specialist. Started on gabapentin 300mg TID and scheduled for repeat injection.

October 8, 2024: Current assessment shows guarded to fair prognosis with conservative management. Work restrictions: No lifting >20 lbs, no prolonged sitting >30 min.

RE: Jennifer Martinez - Workers' Compensation Medical Evaluation

IME set to address current status, need for further treatment and/or surgery, and if further treatment and/or surgery is indicated, is the need causally related to the **April 12, 2024** industrial injury.

EVALUATION QUESTIONS

AFTER YOUR EVALUATION, PLEASE ADDRESS THE FOLLOWING QUESTIONS:

1. **Current Diagnosis**

What is the patient's current diagnosis or diagnoses, relating to the **LOWER BACK**?

2. **Causal Relationship**

Is the current diagnosis causally related to the industrial claim? Is there medical evidence to confirm the causal relationship between the reported industrial incident and the diagnosis? Please explain.

3. **Non-Industrial Factors**

Are there any non-industrial conditions present which are impacting the industrial condition? If so, what is that condition? *(Please refer to the attached AI-assisted comorbidity analysis appendix for supplementary information)*

4. ****Treatment Recommendations****

Is further treatment recommended, as it relates to the industrial injury? If so, please outline your specific recommendations and anticipated duration of treatment.

5. ****Surgical Considerations****

Is surgery necessary as it relates to the industrial injury? If so, what are your surgical recommendations?

Respectfully,

Sarah Mitchell, RN

Medical Coordinator

Medical Evaluation Services

CC: Medical Records Department / Arizona Workers' Compensation

APPENDIX: AI-ASSISTED COMORBIDITY ANALYSIS

Case ID: Jennifer Martinez

Analysis Date: November 5, 2025

****Medical Records Review:** Comprehensive comorbidity assessment using artificial intelligence**

[REDACTED]

[REDACTED]

****IDENTIFIED COMORBID CONDITIONS:****

****1. HYPERTENSION (ICD-10: I10)****

Severity Assessment: Mild

AI Confidence Level: 90.0%

Clinical Risk Level: Low

Clinical Impact: Stable condition requiring routine follow-up

Current Management: Well-controlled on lisinopril 10mg daily

Recommended Action: Consider impact on treatment planning and recovery timeline. Monitor blood pressure during any medication adjustments or surgical procedures.

****2. PREVIOUS LOWER BACK STRAIN (2019)****

Severity Assessment: Mild (Resolved)

AI Confidence Level: 85.0%

Clinical Risk Level: Low

Clinical Impact: Historical condition, resolved with conservative treatment

Relevance: May contribute to current injury susceptibility and recovery patterns

Recommended Action: Consider pre-existing vulnerability when assessing causality and prognosis for current workplace injury.



****MEDICAL VALIDATION NOTICE:****

****■ ■ IMPORTANT DISCLAIMER:**** This comorbidity analysis was generated using artificial intelligence and is provided as supplementary information only. All medical assessments and treatment decisions must be validated by a licensed physician through direct patient examination and clinical judgment.

This appendix was generated using advanced artificial intelligence algorithms trained on medical literature and clinical guidelines. The analysis should be considered as supplementary clinical decision support information only.

****IMPORTANT: All comorbidity assessments must be validated through:****

- **Direct clinical examination** by a licensed physician
- **Review of complete medical history** and current medications
- **Consideration of patient-specific factors** and contraindications
- **Integration with overall clinical judgment** and treatment goals

****Clinical Integration Recommendations:****

- **Hypertension Management:** Monitor cardiovascular status during any interventional procedures
- **Previous Back Injury:** Consider pre-existing condition when determining causality and disability ratings
- **Drug Interactions:** Review current lisinopril therapy when prescribing new medications
- **Surgical Risk Assessment:** Factor comorbidities into perioperative planning if surgery recommended

For questions regarding this AI-assisted analysis, please contact the Medical Evaluation Services team at the contact information provided in the main letter.



****Document Metadata****

- ****Generated:**** November 5, 2025
- ****Workflow Version:**** V2 with AI Comorbidity Analysis
- ****Quality Score:**** Pending Medical Review
- ****HIPAA Compliance:**** Verified
- ****AI Assistance:**** Comorbidity identification and analysis