

Our Injury Group uses medical and engineering knowledge to assess the causal relationship between diagnosed injuries and loads applied during an event.

**Types of investigations:**

**Impact Biomechanics**

- Injury causation
- Seatbelt effectiveness
- Driver identification
- Comparison to occupational or other loads
- Helmet protection

**Slip, Trip & Fall**

- Coefficient of friction
- Injury mechanics
- Footwear appropriateness
- Code compliance
- Conspicuity

**Sport, Recreation & Playgrounds**

- Exercise equipment
- Safety equipment
- Product failure
- Playground surfaces

**Human Factors & Performance**

- Perception response time
- Visibility
- Strength
- Reaction time
- Firearms
- Ergonomics
- Fatigue, impairment or distraction

MEA forensic engineers and scientists work with clients to investigate a wide range of transportation, injury, product, and property and premises cases. Our highly-qualified staff work individually or in multidisciplinary teams to bring the right combination of knowledge, skill and experience to every case.

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