



CAODC INJURY ANALYSIS FORMULAS

REPORTABLE STATISTICAL INDICATORS

Reporting remains quarterly, on a rolling, 12-month average

- **FATALITY (F):**

Total number of fatalities in a period = <#F>

- **LOST-TIME INCIDENT (LTI) FREQUENCY:**

Total number of lost-time accidents in a period = <#LTI>
LTA frequency for period:

$$\frac{(<\# \text{ LTI}> + <\# \text{ F}>) \times 200,000}{\# \text{ Manhours}}$$

(Note: For this frequency a fatality is counted as a lost-time incident)

- **RESTRICTED WORK CASE (RWC) FREQUENCY:**

Total number of restricted work cases in a period = <#RWC>
RWC frequency for period:

$$\frac{<\# \text{ RWC}> \times 200,000}{\# \text{ Manhours}}$$

- **MEDICAL TREATMENT ONLY (MTO) FREQUENCY:**

Total number of medical treatment only in a period = <#MTO>
MTO frequency for period:

$$\frac{<\# \text{ MTO}> \times 200,000}{\# \text{ Manhours}}$$

- **TOTAL RECORDABLE (TRIF) INCIDENT FREQUENCY:**

TRIF frequency for period:

$$\frac{(<\# \text{ F}> + <\# \text{ LTI}> + <\# \text{ RWC}> + <\# \text{ MTO}>) \times 200,000}{\# \text{ Manhours}}$$

- **LTI SEVERITY INDICATOR FOR THE PERIOD:**

$$\frac{\# \text{ LTI days}}{\# \text{ LTIs} \times 30}$$

- **RWC SEVERITY INDICATOR FOR THE PERIOD:**

$$\frac{\# \text{ RWC days}}{\# \text{ RWCs} \times 30}$$

NOTE:

- 1) *Manhours* is defined as total hours worked by field crews and all administrative staff.
- 2) 200,000 manhours is a widely used measure for 100 men working full time for one year.