



## MONTHLY SAFETY BRIEF: SAFETY STATISTICS

Since we are in the business of health and safety and often our clients request our company 'safety statistics', thought it would be a good idea to dedicate a safety brief to the topic of 'Safety Statistics...so here it is!

There are many different 'safety statistics' out there to evaluate a companies safety performance, however, the 2 most common and the ones focused on in this brief are the TRIR and EMR:

- TRIR – total recordable incident rate = OSHA recordable incident rate
- Experience Modification Rate (EMR)

### TRIR

The Total Recordable Incident Rate (TRIR) is the same as the OSHA recordable incident rate. It's calculated by taking the number of OSHA recordable incidents that we have each year, multiplying it by 200,000 (the number of hours that 100 employees, working a 40-hour week, would log in 50 weeks), then dividing that number by the total number of hours worked by your employees in the course of a year.

That's it and the lower the number the better. **Our goal is 0.** If there are no OSHA recordable incidents, the result is 0. For the last 3 years, Hygieneering's TRIR was 0.

### EMR

The Experience Modification Rate (EMR) is much trickier and is an insurance industry calculation based on many factors. In general, it is based on workers' compensation claims for the previous 3 years and takes into account the severity of the injuries.

Same as the TRIR, the lower the number the better, but in this case an EMR of 1.0 is considered the industry average. So, a result lower than 1.0 is good! A result higher than 1 will cause your insurance premium to rise and is bad.

Since the EMR is based on a 3-year average, 1 OSHA recordable injury will affect your EMR for 3 years. Hygieneering's EMR for the last 3 years were:

$$2019 = 0.93 \quad 2018 = 0.92 \quad 2017 = 1.23$$

As stated above, the EMR is calculated from the previous 3 years. Our EMR for 2017 was above 1.0 due to an OSHA recordable in 2014. The calculation of 2017 EMR included 2016, 2015 and 2014. Thus, you can see how this is very much a lagging indicator.

We work safe at all time for ourselves and those we work with but also for the health of the company. OSHA recordable injuries can eliminate us from eligibility in bidding on work and cause our insurance rates to increase.

Keep up the good work at working safely and as always contact me directly if you have any safety concerns!



## **SAFETY STATS QUIZ**

1. Which TRIR score shows the best safety record in terms of OSHA recordables?
  - a. 0
  - b. 1.0
  - c. 10
  - d. 100
  
2. The insurance industry rating of experience modification is based on a company's performance averaged over how many years?
  - a. 3
  - b. 5
  - c. 10
  - d. It is not based on an average
  
3. An EMR rating on a company of 1.06 means
  - a. Close to industry average safety performance, but a little better
  - b. Close to industry average safety performance, but a little worse
  - c. Same as industry average safety performance
  
4. With an EMR of 1.20, a company can expect an increase in insurance premiums.  
 True  
 False
  
5. Both TRIR and EMR safety statistics are considered leading indicators on a company's safety performance.  
 True  
 False

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**SCORE: PASS / FAIL**

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Employee Signature

  
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Supervisor Signature

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Date