

2021 Safety Benchmarking Report

conducted by the



National Association of Water Companies
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April 2021

The survey was conducted from February to March of 2021 collecting 2020 data.



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Introduction

As the voice of the private water industry, including the regulated drinking and wastewater utilities, the National Association of Water Companies (NAWC) is the only organization representing this group of quality service providers, innovation drivers, and responsible partners. Representing companies of varying sizes—from large, investor-owned utilities to smaller companies that serve towns and small municipal entities—NAWC works to promote the private sector as a viable and highly effective solution to developing, financing, and managing water and wastewater projects and systems while ensuring sustainability challenges are met.

Well before the Federal Government or Congress mandated stringent measures, NAWC members have been at the forefront of water safety and security. Regulated utilities and contract operators in the U.S. have strong governance structures and compliance programs. Operating within largely voluntary frameworks, NAWC member companies generate successful, innovative and cutting-edge approaches to providing consequence-based risk management practices to protect the communities they serve.

The results of the 2021 Safety Metrics Survey show that NAWC members continue to be forward leaning in their approach to worker safety and water security. Nine in 10 (90.9%) participants in the survey have a specific safety policy put in place by management. Additionally, more than two-thirds of those responding have a written health and safety program that includes disciplinary actions for violations.

NAWC is pleased to present the results of the 2021 Safety Metrics Survey it conducted during February and March 2021. The NAWC Safety, Security and Environmental Committee developed the parameters of the study in an effort to obtain information on the sector's safety and security performance. This survey collected data for CY 2020. Survey information is only one part of the information gathering process, and each company must ultimately make an independent decision as to how survey data will or will not be used.

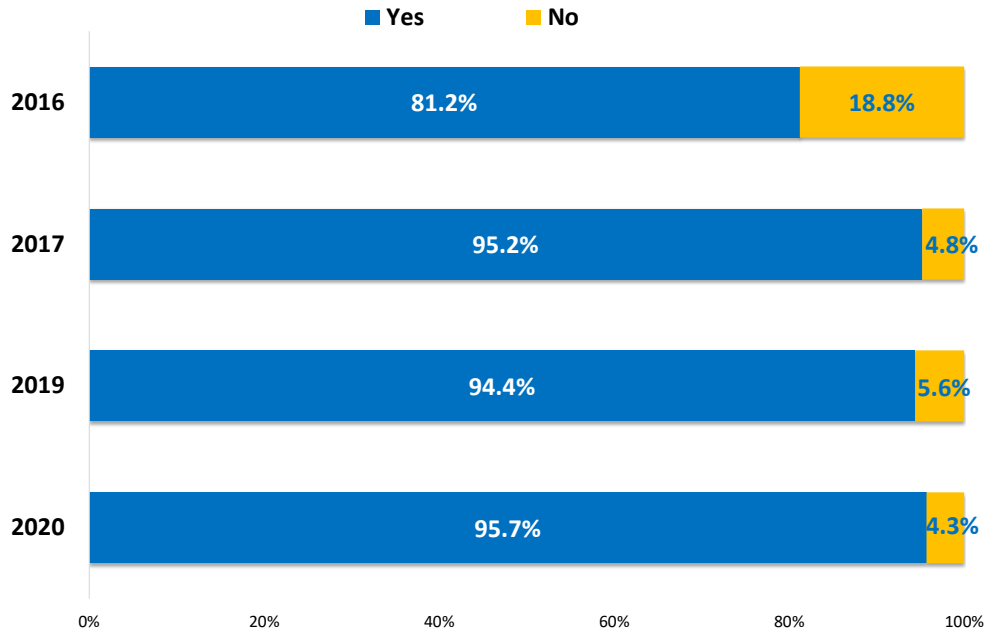
It should be noted that the survey results are subject to the limitations inherent in any survey questionnaire and the reported results should be considered with those limitations in mind. Recognizing these limitations is critical to an effective use of the survey results.

Executive Summary

The questions in the survey focused on the prevalence of health, safety and security programs at the responding companies as well as incidence rates in 2020 using an OSHA metric as a definition.

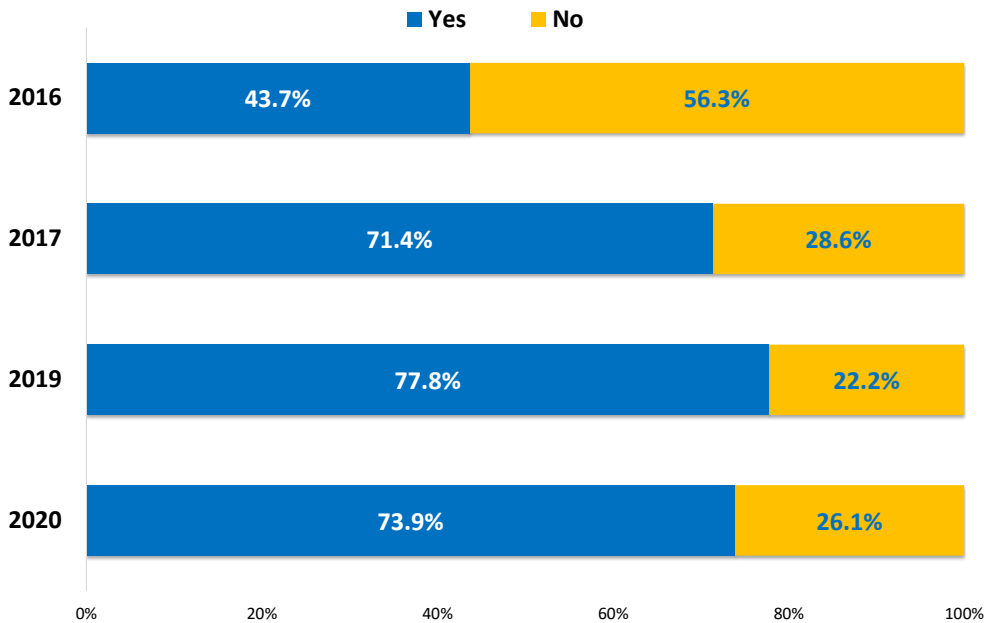
- Nine in 10 respondents (90.9%) reported that they have a specific health and safety policy already in place by management while a slightly higher percentage (95.7%) of respondents noted that they have a health and safety program.
- Approximately nine in 10 respondents (91.3%) have a policy that defines employees' accountability for workplace safety. More than two-thirds of responding companies reported having a written health and safety program that includes disciplinary action for violations.
- Almost two-thirds of responding companies have an internal health and safety audit inspection program, and a similar percentage conduct external safety audits.
- The majority of responding companies communicate safety messaging through routinely scheduled safety meetings (95.5%), while approximately three-quarters use structured tailgate-type talks (77.3%) or email messaging (72.7%). Slightly more than half of responding companies communicate safety messaging through periodic newsletters/ articles.
- More than nine in 10 respondents (91.3%) reported having a cybersecurity program/plan in place.
- Eight out of 10 respondents (81.8%) have implemented elements of the NIST cybersecurity framework within their operations.
- The DART Incidence Rate average reported by respondents for all operations in 2020 was 1.4, lower than the government rate of 1.6.
- The Recordable Incidence Rate average (RIR) of 2.2 for all operations was also lower than the government rate of 3.0 for 2020.
- The Lost Time Incidence Rate average reported by all respondents was 0.6 for 2020, lower than the government rate of 0.9.

COMPANY HAS HEALTH AND SAFETY PROGRAM (2016 – 2017 – 2019 – 2020)



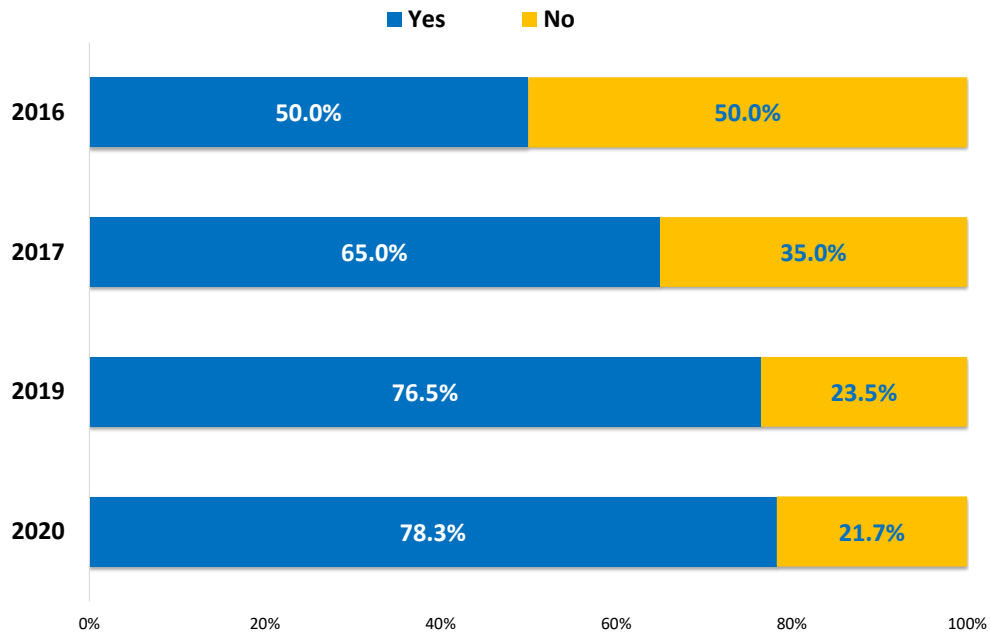
Source: NAWC 2021 Safety Benchmarking Survey

DEDICATED BUDGET FOR HEALTH AND SAFETY PROGRAM (2016 – 2017 – 2019 – 2020)



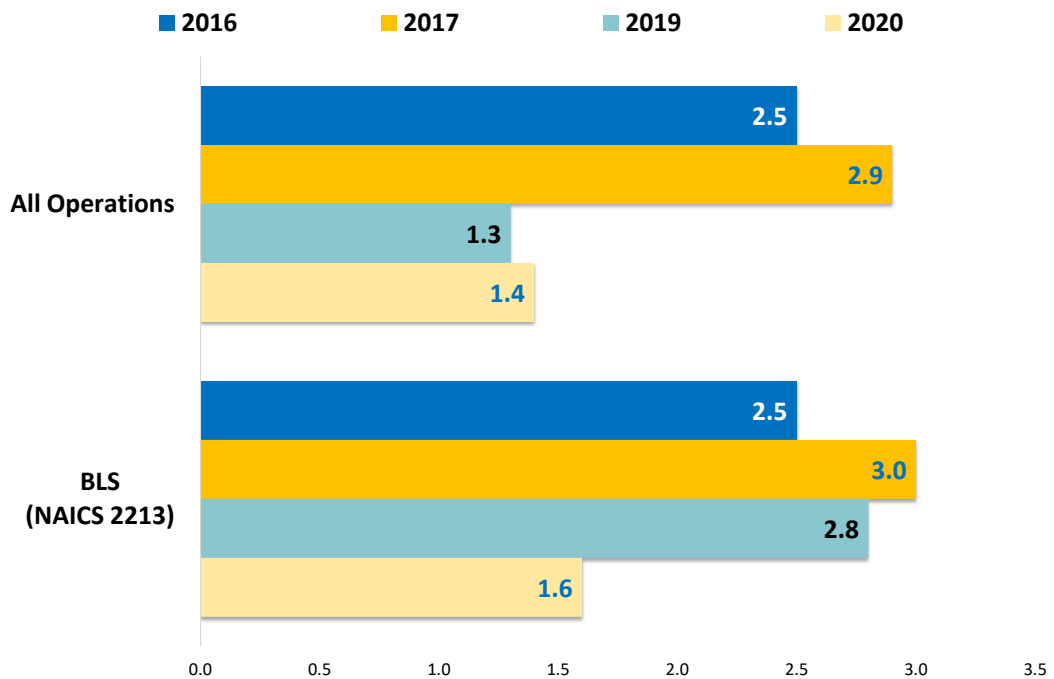
Source: NAWC 2021 Safety Benchmarking Survey

HAVE A SAFETY COMMITTEE (2016 – 2017 – 2019 – 2020)



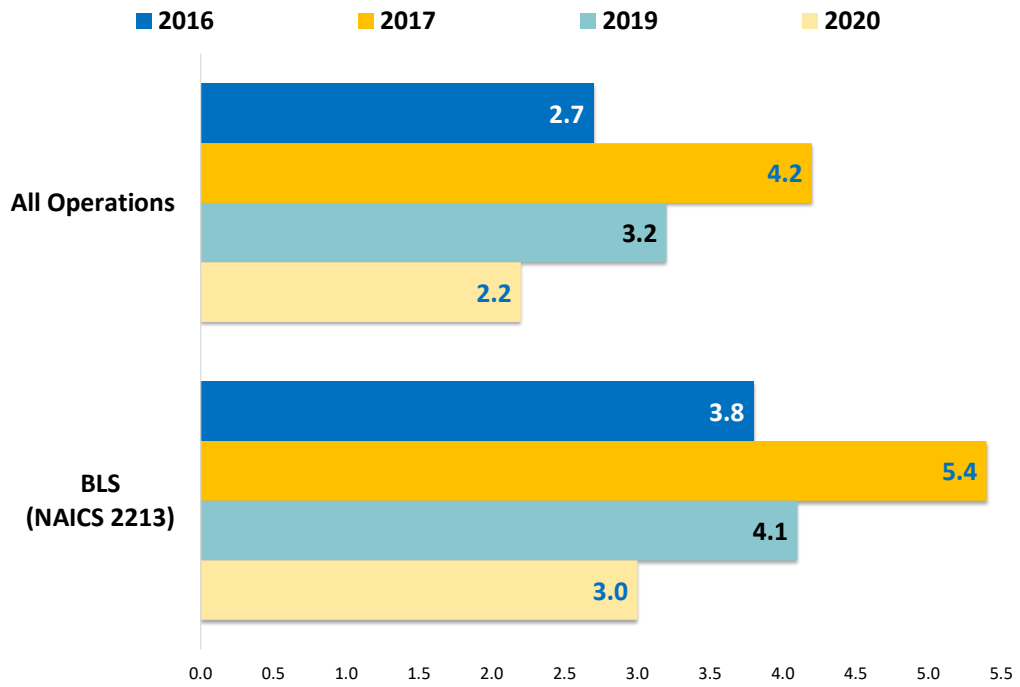
Source: NAWC 2021 Safety Benchmarking Survey

DART INCIDENCE RATES (2016 – 2017 – 2019 – 2020)



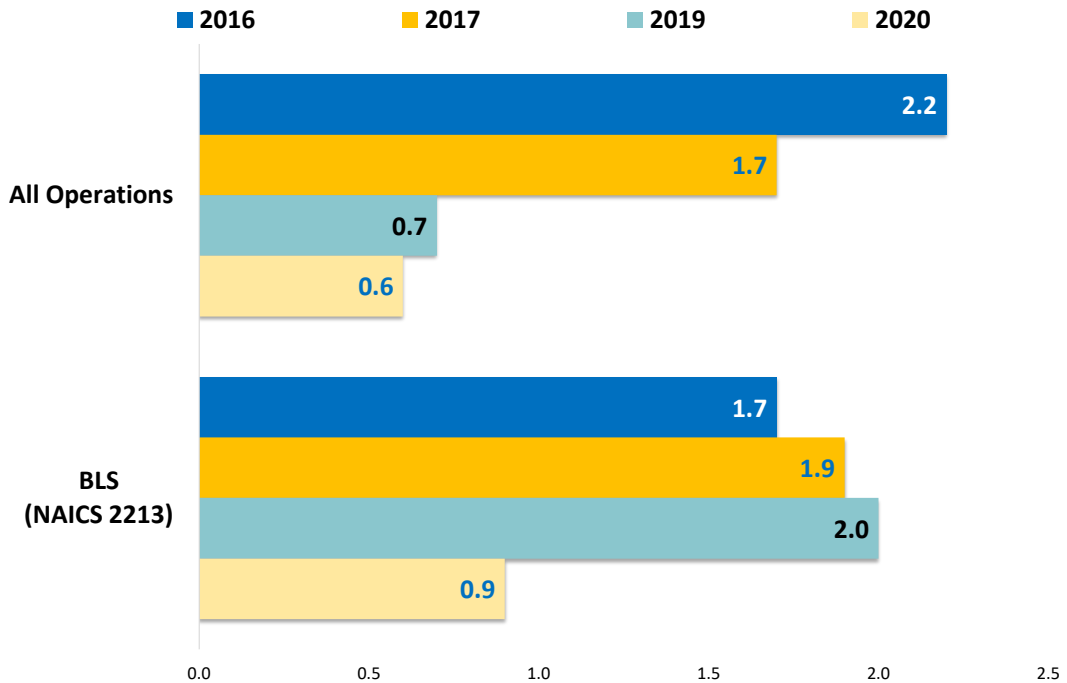
Source: NAWC 2021 Safety Benchmarking Survey

RECORDABLE INCIDENCE RATES (2016 – 2017 – 2019 – 2020)



Source: NAWC 2021 Safety Benchmarking Survey

LOST TIME INCIDENCE RATES (2016 – 2017 – 2019 – 2020)



Source: NAWC 2021 Safety Benchmarking Survey

Methodology & Description of Statistics

A survey invitation was sent to NAWC member companies in February 2021, resulting in a response rate of 79%.

Association Research, Inc., an independent survey research organization located in Gaithersburg, Maryland, conducted the Web-based survey, analyzed the findings, and prepared this report. All individual data from participating companies are kept anonymous.

Description of Statistics and Formatting Conventions

Quartiles: In tables that report rates, responses are described by three quartiles: the first quartile, the median, and the third quartile. These tables show the value of the boundary at the 25th, 50th, or 75th percentiles of a frequency distribution divided into four parts, each containing a quarter of the population. For example, when all reported values are listed from highest to lowest, the third quartile identifies the point on the list that is equal to or greater than 75 percent (three quarters) of the reported values and equal to or less than 25 percent (one quarter).

Median (midpoint): The median identifies the point in the distribution of reported values that is equal to or larger than one-half of reported values and equal to or smaller than one-half—that is, the mid-point.

In general, the more values that are reported, the more accurately quartiles estimate the distribution of values among all NAWC members.

Mean (average): The sum of all values divided by the number of values.

It should be noted that if the mean exceeds the median, it is because high values will affect the calculations. It is also possible, especially with a small number of values, for the mean to exceed the third quartile.

Percentages in some tables and some graphs may not sum to exactly 100% due to rounding.

Experience Modification Rate (EMR): A computation that compares a company's annual losses in insurance claims against its policy premiums over a three-year period, excluding the most current year.

Other formulas useful in understanding tabular information presented in this report are:

Formulas for Rate Calculations

(1) DART Rate	$\frac{\text{Total Number of CASES with Days Away from Work, Restrictions or Transfers X 200,000}}{\text{Total Hours Worked for Calendar Year}}$
(2) Lost-Time Severity Rate	$\frac{\text{Total Number of DAYS Away from Work X 200,000}}{\text{Total Hours Worked for Calendar Year}}$
(3) Lost-Time Rate	$\frac{\text{Total Number of Days Away from Work CASES X 200,000}}{\text{Total Hours Worked for Calendar Year}}$
(4) Recordable Incidence Rate	$\frac{\text{Total Number of all OSHA Recordable CASES X 200,000}}{\text{Total Hours Worked for Calendar Year}}$ <p><i>Note: Includes Medical Treatment, Restrictions, and Days Away from Work (Lost-Time) cases.</i></p>

APPENDIX A



2021 Safety Metrics Survey

(DATA COLLECTED FOR CY 2020)

ASSOCIATION RESEARCH, INC. (ARI), AN INDEPENDENT SURVEY RESEARCH ORGANIZATION, IS CONDUCTING THIS CONFIDENTIAL SURVEY FOR THE NAWC. ALL RESPONSES WILL BE KEPT COMPLETELY CONFIDENTIAL.

PLEASE COMPLETE YOUR SURVEY NO LATER THAN FEBRUARY 9, 2021.

IF THERE IS A PROBLEM, PLEASE E-MAIL ASSOCIATION RESEARCH, INC., AT info@associationresearch.com

TO COMPLETE THE SURVEY ONLINE, PLEASE GO TO THE FOLLOWING WEB SITE:

www2.ari-surveys.com/run/nawcsafety2020

NOTE: PLEASE INDICATE "NA" IF YOU CANNOT ANSWER A QUESTION.

- 1. Do you track injury rates (DART, EMR, ORIR, etc.) 1. Yes 2. No
- 2. Please answer information about workplace injuries (do not double count):
 - a. Number of injuries in 2020 that caused the employee to lose time from work: _____
 - b. The total number of days lost (not incidents) in 2020 due to workplace injury or illness: _____
 - c. Number of injuries in 2020 where employee did not lose time from work but could not perform full duties: _____
 - d. Number of injuries in 2020 where there was only professional medical treatment and employee continued to work: _____
 - e. Total number of hours worked for 2020: _____
- 3. Does your company have a specific safety policy put in place by management? 1. Yes 2. No
- 4. Does the policy clearly define employees' accountability for workplace safety at all levels of the organization? 1. Yes 2. No
- 5. Does your company have a health and safety program? 1. Yes 2. No
- 6. Is there a dedicated budget for health and safety programs? 1. Yes 2. No
- 7. Does your written health and safety program include disciplinary action for violations? 1. Yes 2. No
- 8. Do you have an internal health and safety audit and inspection program? 1. Yes 2. No
 - a. If yes, does your company conduct external safety audits too? 1. Yes 2. No
 - b. If yes, at what frequency? _____

- 9. Does your written health and safety program include investigation of all accidents and recommend corrective actions? 1. Yes 2. No

- 10. Does your written health and safety program include proactive safety activities (e.g. near miss/safety observations programs)?** 1. Yes 2. No
- a. Do you track safety observations, near miss, or hazards? 1. Yes 2. No
- b. If yes, how many safety observations, near miss, or hazards were reported in 2020? _____
- c. If yes, please indicate the numbers and types of safety observations, near miss, or hazards reported in 2020:

-
- 11. Do you have a standard definition for “near miss”?** 1. Yes 2. No
- a. If yes, please provide your company’s definition of “near miss”: _____

- b. If yes, does your company tier/rank “near misses”? 1. Yes 2. No
- c. If yes, please define the tier/rank your company uses: _____

-
- 12. Does management set goals and targets for safety performance?** 1. Yes 2. No
- 13. Do you have a safety committee?** 1. Yes 2. No
- 14. What is the annual average number of hours of health and safety training received by employees, excluding office/clerical?** 1. Less than 5 hours 2. 5-10 hours 3. Greater than 10 hours
- 15. What is your total number of employees?** 1. Less than 250 2. 250 – 1,000 3. Greater than 1,000
- 16. Does your company require employees to conduct site specific Safe Work Plans, Job Hazard Assessments (or something similar) prior to commencing work?** 1. Yes 2. No
- 17. How does your company communicate safety messaging? (Check all that apply)**
- | | |
|---|--|
| <input type="checkbox"/> Email Messaging | <input type="checkbox"/> Routinely Scheduled Safety Meetings |
| <input type="checkbox"/> Periodic Newsletters/Articles | <input type="checkbox"/> Annual Safety Conferences |
| <input type="checkbox"/> Structured Tailgate-Type Talks | <input type="checkbox"/> Other (please list): _____ |
- 18. Do you have a contractor safety program?** 1. Yes 2. No
- 19. Do you have a cybersecurity plan/program in place?** 1. Yes 2. No
- 20. Are you aware of the NIST Framework for cybersecurity?** 1. Yes 2. No
- 21. Have you implemented any of the recommendations outlined in the NIST Framework?** 1. Yes 2. No
- 22. Would you use the results of this survey as a resource to improve, change or inform your processes?** 1. Yes 2. No
- 23. What can NAWC do to improve this survey? Please explain:** _____

THANK YOU VERY MUCH FOR COMPLETING THIS SURVEY.



ASSOCIATION RESEARCH, INC.

910 CLOPPER ROAD, SUITE 210N, GAITHERSBURG MD 20878

APPENDIX B

NAWC 2021 Safety Benchmark For 2020 Data

Background

		Total	
		Count Percent	Count
All Respondents		100.0%	23
Track injury rates	Yes	87.0%	20
	No	13.0%	3
Company has specific safety policy put in place by management	Yes	90.9%	20
	No	9.1%	2
Policy defines employee accountability for workplace safety	Yes	91.3%	21
	No	8.7%	2
Company has health and safety program	Yes	95.7%	22
	No	4.3%	1
Dedicated budget for health and safety programs	Yes	73.9%	17
	No	26.1%	6
Written health & safety program includes disciplinary action for violations	Yes	69.6%	16
	No	30.4%	7
Have an internal health & safety audit & inspection program	Yes	65.2%	15
	No	34.8%	8
If yes, does your company conduct external safety audits too?	Yes	66.7%	10
	No	33.3%	5
Written health & safety program includes investigation of all accidents & recommends corrective actions	Yes	78.3%	18
	No	21.7%	5
Written health & safety program includes proactive safety activities	Yes	69.6%	16
	No	30.4%	7
Track safety observation, near miss, or hazards	Yes	59.1%	13
	No	40.9%	9
Do you have a standard definition for "near miss"?	Yes	52.2%	12
	No	47.8%	11
If yes, does your company tier/rank "near misses"?	Yes	50.0%	6
	No	50.0%	6

NAWC 2021 Safety Benchmark For 2020 Data

Background (Cont'd)

		Total	
		Count Percent	Count
All Respondents		100.0%	23
Management sets goals & targets for safety performance	Yes	73.9%	17
	No	26.1%	6
Have a safety committee	Yes	78.3%	18
	No	21.7%	5
Annual avg. # of hours of health & safety training received by most employees	Less than 5 hours	8.7%	2
	5-10 hours	17.4%	4
	Greater than 10 hours	73.9%	17
Total number of employees	Less than 250	36.4%	8
	250-1,000	36.4%	8
	Greater than 1,000	27.3%	6
Does your company require employees to conduct site specific Safe Work Plans, Job Hazard Assessments (or something similar) prior to commencing work?	Yes	65.2%	15
	No	34.8%	8
Safety Messaging Communications	Email Messaging	72.7%	16
	Periodic Newsletters/Articles	59.1%	13
	Structured Tailgate-Type Talks	77.3%	17
	Routinely Scheduled Safety Meetings	95.5%	21
	Annual Safety Conferences	36.4%	8
	Other	36.4%	8
Have a contractor safety program	Yes	65.2%	15
	No	34.8%	8
Have a cybersecurity plan/program in place	Yes	91.3%	21
	No	8.7%	2
Aware of the NIST Framework for cybersecurity	Yes	87.0%	20
	No	13.0%	3
Have implemented any of the recommendations outlined in the NIST Framework	Yes	81.8%	18
	No	18.2%	4

NAWC 2021 Safety Benchmark For 2020 Data

All Calculated

		2020 Calculated DART Incident Rate	2020 Calculated Lost Time Severity Rate	2020 Calculated Lost Time Incidence Rate	2020 Calculated Recordable Incidence Rate
		Average	Average	Average	Average
All Respondents		1.4	25.8	.6	2.2
Company has specific safety policy put in place by management	Yes	1.5	27.5	.6	2.3
	No	1.5	13.9	.6	1.7
Policy defines employee accountability for workplace safety	Yes	1.4	26.7	.6	2.2
	No	2.4	6.4	1.2	3.6
Company has health and safety program	Yes	1.5	27.0	.6	2.3
	No	.0	.0	.0	.0
Dedicated budget for health and safety programs	Yes	1.4	27.7	.6	2.2
	No	1.6	20.8	.6	2.4
Written health & safety program includes disciplinary action for violations	Yes	1.5	24.9	.6	2.1
	No	1.2	28.2	.7	2.7
Have an internal health & safety audit & inspection program	Yes	1.7	30.3	.5	2.5
	No	1.0	16.1	.8	1.7
If yes, does your company conduct external safety audits too?	Yes	1.3	35.1	.5	1.9
	No	2.3	20.8	.6	3.7
Written health & safety program includes investigation of all accidents & recommends corrective actions	Yes	1.5	27.2	.5	2.3
	No	1.2	19.4	.9	2.0
Written health & safety program includes proactive safety activities	Yes	1.6	27.7	.5	2.4
	No	1.1	20.6	.8	1.7
Track safety observation, near miss, or hazards	Yes	1.7	20.6	.5	2.7
	No	.9	30.1	.8	1.4
Do you have a standard definition for "near miss"?	Yes	1.8	20.2	.5	2.3
	No	1.0	32.5	.7	2.1
If yes, does your company tier/rank "near misses"?	Yes	1.0	17.3	.4	1.5
	No	2.5	23.1	.6	3.1
Management sets goals & targets for safety performance	Yes	1.2	27.8	.5	2.0
	No	2.1	19.1	.9	2.9
Have a safety committee	Yes	1.4	30.3	.7	2.3
	No	1.7	5.3	.2	1.8
Annual avg. # of hours of health & safety training received by most employees	Less than 5 hours	2.3	71.1	2.3	4.6
	5-10 hours	1.2	46.8	.7	2.2
	Greater than 10 hours	1.4	18.2	.5	2.1
Total number of employees	Less than 250	.4	22.3	.4	1.0
	250-1,000	2.4	29.0	.9	3.6
	Greater than 1,000	1.4	27.3	.4	2.0
Does your company require employees to conduct site specific Safe Work Plans, Job Hazard Assessments (or something similar) prior to commencing work?	Yes	1.0	26.4	.6	1.8
	No	2.3	24.5	.7	3.2
Have a contractor safety program	Yes	1.3	27.6	.6	2.2
	No	1.8	22.0	.5	2.4
Have a cybersecurity plan/program in place	Yes	1.5	22.3	.6	2.3
	No	.6	60.3	.6	1.9
Aware of the NIST Framework for cybersecurity	Yes	1.6	28.4	.7	2.5
	No	.0	.0	.0	.0
Have implemented any of the recommendations outlined in the NIST Framework	Yes	1.7	24.8	.7	2.6
	No	.4	40.2	.4	.6

NAWC 2021 Safety Benchmark For 2020 Data

All Calculated

		2020 Calculated DART Incident Rate	2020 Calculated Lost Time Severity Rate	2020 Calculated Lost Time Incidence Rate	2020 Calculated Recordable Incidence Rate
		Average	Average	Average	Average
All Respondents		1.4	25.8	.6	2.2
Safety Messaging Communications	Email Messaging	1.6	29.1	.6	2.4
	Periodic Newsletters/Articles	1.8	19.5	.7	2.7
	Structured Tailgate-Type Talks	1.6	29.3	.7	2.5
	Routinely Scheduled Safety Meetings	1.4	23.6	.5	2.1
	Annual Safety Conferences	2.1	27.0	.5	2.6
	Other	1.3	35.9	.5	1.8

NAWC 2021 Safety Benchmark For 2020 Data

All Calculated

		2020 Calculated DART Incident Rate		2020 Calculated Lost Time Severity Rate		2020 Calculated Lost Time Incidence Rate		2020 Calculated Recordable Incidence Rate	
		Count	Average	Count	Average	Count	Average	Count	Average
All Respondents		22	1.4	22	25.8	22	.6	22	2.2
Company has specific safety policy put in place by management	Yes	20	1.5	20	27.5	20	.6	20	2.3
	No	1	1.5	1	13.9	1	.6	1	1.7
Policy defines employee accountability for workplace safety	Yes	21	1.4	21	26.7	21	.6	21	2.2
	No	1	2.4	1	6.4	1	1.2	1	3.6
Company has health and safety program	Yes	21	1.5	21	27.0	21	.6	21	2.3
	No	1	.0	1	.0	1	.0	1	.0
Dedicated budget for health and safety programs	Yes	16	1.4	16	27.7	16	.6	16	2.2
	No	6	1.6	6	20.8	6	.6	6	2.4
Written health & safety program includes disciplinary action for violations	Yes	16	1.5	16	24.9	16	.6	16	2.1
	No	6	1.2	6	28.2	6	.7	6	2.7
Have an internal health & safety audit & inspection program	Yes	15	1.7	15	30.3	15	.5	15	2.5
	No	7	1.0	7	16.1	7	.8	7	1.7
If yes, does your company conduct external safety audits too?	Yes	10	1.3	10	35.1	10	.5	10	1.9
	No	5	2.3	5	20.8	5	.6	5	3.7
Written health & safety program includes investigation of all accidents & recommends corrective actions	Yes	18	1.5	18	27.2	18	.5	18	2.3
	No	4	1.2	4	19.4	4	.9	4	2.0
Written health & safety program includes proactive safety activities	Yes	16	1.6	16	27.7	16	.5	16	2.4
	No	6	1.1	6	20.6	6	.8	6	1.7
Track safety observation, near miss, or hazards	Yes	13	1.7	13	20.6	13	.5	13	2.7
	No	8	.9	8	30.1	8	.8	8	1.4
Do you have a standard definition for "near miss"?	Yes	12	1.8	12	20.2	12	.5	12	2.3
	No	10	1.0	10	32.5	10	.7	10	2.1
If yes, does your company tier/rank "near misses"?	Yes	6	1.0	6	17.3	6	.4	6	1.5
	No	6	2.5	6	23.1	6	.6	6	3.1
Management sets goals & targets for safety performance	Yes	17	1.2	17	27.8	17	.5	17	2.0
	No	5	2.1	5	19.1	5	.9	5	2.9
Have a safety committee	Yes	18	1.4	18	30.3	18	.7	18	2.3
	No	4	1.7	4	5.3	4	.2	4	1.8
Annual avg. # of hours of health & safety training received by most employees	Less than 5 hours	1	2.3	1	71.1	1	2.3	1	4.6
	5-10 hours	4	1.2	4	46.8	4	.7	4	2.2
	Greater than 10 hours	17	1.4	17	18.2	17	.5	17	2.1
Total number of employees	Less than 250	7	.4	7	22.3	7	.4	7	1.0
	250-1,000	8	2.4	8	29.0	8	.9	8	3.6
	Greater than 1,000	6	1.4	6	27.3	6	.4	6	2.0
Does your company require employees to conduct site specific Safe Work Plans, Job Hazard Assessments (or something similar) prior to commencing work?	Yes	15	1.0	15	26.4	15	.6	15	1.8
	No	7	2.3	7	24.5	7	.7	7	3.2
Have a contractor safety program	Yes	15	1.3	15	27.6	15	.6	15	2.2
	No	7	1.8	7	22.0	7	.5	7	2.4
Have a cybersecurity plan/program in place	Yes	20	1.5	20	22.3	20	.6	20	2.3
	No	2	.6	2	60.3	2	.6	2	1.9
Aware of the NIST Framework for cybersecurity	Yes	20	1.6	20	28.4	20	.7	20	2.5
	No	2	.0	2	.0	2	.0	2	.0
Have implemented any of the recommendations outlined in the NIST Framework	Yes	18	1.7	18	24.8	18	.7	18	2.6
	No	3	.4	3	40.2	3	.4	3	.6

NAWC 2021 Safety Benchmark For 2020 Data

All Calculated

		2020 Calculated DART Incident Rate		2020 Calculated Lost Time Severity Rate		2020 Calculated Lost Time Incidence Rate		2020 Calculated Recordable Incidence Rate	
		Median	Mean	Median	Mean	Median	Mean	Median	Mean
All Respondents		1.3	1.4	13.3	25.8	.4	.6	1.9	2.2
Company has specific safety policy put in place by management	Yes	1.3	1.5	14.2	27.5	.4	.6	2.1	2.3
	No	1.5	1.5	13.9	13.9	.6	.6	1.7	1.7
Policy defines employee accountability for workplace safety	Yes	1.1	1.4	13.9	26.7	.4	.6	1.7	2.2
	No	2.4	2.4	6.4	6.4	1.2	1.2	3.6	3.6
Company has health and safety program	Yes	1.5	1.5	13.9	27.0	.4	.6	2.0	2.3
	No	.0	.0	.0	.0	.0	.0	.0	.0
Dedicated budget for health and safety programs	Yes	1.5	1.4	13.3	27.7	.4	.6	1.9	2.2
	No	.2	1.6	10.7	20.8	.2	.6	1.2	2.4
Written health & safety program includes disciplinary action for violations	Yes	1.3	1.5	13.3	24.9	.4	.6	1.7	2.1
	No	.8	1.2	15.6	28.2	.2	.7	2.1	2.7
Have an internal health & safety audit & inspection program	Yes	1.5	1.7	15.7	30.3	.4	.5	2.0	2.5
	No	.5	1.0	3.0	16.1	.5	.8	.5	1.7
If yes, does your company conduct external safety audits too?	Yes	1.5	1.3	22.5	35.1	.4	.5	1.9	1.9
	No	.6	2.3	15.7	20.8	.4	.6	2.0	3.7
Written health & safety program includes investigation of all accidents & recommends corrective actions	Yes	1.3	1.5	14.8	27.2	.4	.5	1.9	2.3
	No	1.1	1.2	3.2	19.4	.6	.9	1.8	2.0
Written health & safety program includes proactive safety activities	Yes	1.3	1.6	14.2	27.7	.4	.5	2.1	2.4
	No	1.0	1.1	10.1	20.6	.6	.8	1.1	1.7
Track safety observation, near miss, or hazards	Yes	1.5	1.7	12.7	20.6	.4	.5	2.1	2.7
	No	.8	.9	8.4	30.1	.6	.8	1.1	1.4
Do you have a standard definition for "near miss"?	Yes	1.5	1.8	13.3	20.2	.4	.5	1.9	2.3
	No	.8	1.0	17.1	32.5	.4	.7	1.9	2.1
If yes, does your company tier/rank "near misses"?	Yes	.6	1.0	9.7	17.3	.4	.4	1.2	1.5
	No	1.8	2.5	17.6	23.1	.6	.6	2.6	3.1
Management sets goals & targets for safety performance	Yes	1.1	1.2	13.9	27.8	.4	.5	1.7	2.0
	No	1.5	2.1	3.0	19.1	.6	.9	3.0	2.9
Have a safety committee	Yes	1.5	1.4	14.8	30.3	.4	.7	2.1	2.3
	No	.0	1.7	.0	5.3	.0	.2	.0	1.8
Annual avg. # of hours of health & safety training received by most employees	Less than 5 hours	2.3	2.3	71.1	71.1	2.3	2.3	4.6	4.6
	5-10 hours	.6	1.2	33.3	46.8	.6	.7	.9	2.2
	Greater than 10 hours	1.5	1.4	12.7	18.2	.4	.5	2.0	2.1
Total number of employees	Less than 250	.0	.4	.0	22.3	.0	.4	.5	1.0
	250-1,000	1.9	2.4	26.2	29.0	.7	.9	2.9	3.6
	Greater than 1,000	1.6	1.4	13.3	27.3	.4	.4	2.1	2.0
Does your company require employees to conduct site specific Safe Work Plans, Job Hazard Assessments (or something similar) prior to commencing work?	Yes	.9	1.0	6.6	26.4	.4	.6	1.7	1.8
	No	1.6	2.3	21.3	24.5	.6	.7	2.2	3.2
Have a contractor safety program	Yes	1.5	1.3	12.7	27.6	.4	.6	2.0	2.2
	No	.5	1.8	21.3	22.0	.5	.5	.5	2.4
Have a cybersecurity plan/program in place	Yes	1.5	1.5	13.3	22.3	.4	.6	1.9	2.3
	No	.6	.6	60.3	60.3	.6	.6	1.9	1.9
Aware of the NIST Framework for cybersecurity	Yes	1.5	1.6	14.8	28.4	.4	.7	2.1	2.5
	No	.0	.0	.0	.0	.0	.0	.0	.0
Have implemented any of the recommendations outlined in the NIST Framework	Yes	1.5	1.7	14.8	24.8	.4	.7	2.2	2.6
	No	.0	.4	.0	40.2	.0	.4	.0	.6

NAWC 2021 Safety Benchmark For 2020 Data

Q2a 2020 DART Incidence Rate - All Calculated

		2020 Calculated DART Incident Rate		
		Mean	Median	Count
All Respondents		1.4	1.3	22
Company has specific safety policy put in place by management	Yes	1.5	1.3	20
	No	1.5	1.5	1
Policy defines employee accountability for workplace safety	Yes	1.4	1.1	21
	No	2.4	2.4	1
Company has health and safety program	Yes	1.5	1.5	21
	No	.0	.0	1
Dedicated budget for health and safety programs	Yes	1.4	1.5	16
	No	1.6	.2	6
Written health & safety program includes disciplinary action for violations	Yes	1.5	1.3	16
	No	1.2	.8	6
Have an internal health & safety audit & inspection program	Yes	1.7	1.5	15
	No	1.0	.5	7
If yes, does your company conduct external safety audits too?	Yes	1.3	1.5	10
	No	2.3	.6	5
Written health & safety program includes investigation of all accidents & recommends corrective actions	Yes	1.5	1.3	18
	No	1.2	1.1	4
Written health & safety program includes proactive safety activities	Yes	1.6	1.3	16
	No	1.1	1.0	6
Track safety observation, near miss, or hazards	Yes	1.7	1.5	13
	No	.9	.8	8
Do you have a standard definition for "near miss"?	Yes	1.8	1.5	12
	No	1.0	.8	10
If yes, does your company tier/rank "near misses"?	Yes	1.0	.6	6
	No	2.5	1.8	6
Management sets goals & targets for safety performance	Yes	1.2	1.1	17
	No	2.1	1.5	5
Have a safety committee	Yes	1.4	1.5	18
	No	1.7	.0	4
Annual avg. # of hours of health & safety training received by most employees	Less than 5 hours	2.3	2.3	1
	5-10 hours	1.2	.6	4
	Greater than 10 hours	1.4	1.5	17
Total number of employees	Less than 250	.4	.0	7
	250-1,000	2.4	1.9	8
	Greater than 1,000	1.4	1.6	6
Does your company require employees to conduct site specific Safe Work Plans, Job Hazard Assessments (or something similar) prior to commencing work?	Yes	1.0	.9	15
	No	2.3	1.6	7
Have a contractor safety program	Yes	1.3	1.5	15
	No	1.8	.5	7
Have a cybersecurity plan/program in place	Yes	1.5	1.5	20
	No	.6	.6	2
Aware of the NIST Framework for cybersecurity	Yes	1.6	1.5	20
	No	.0	.0	2
Have implemented any of the recommendations outlined in the NIST Framework	Yes	1.7	1.5	18
	No	.4	.0	3
Safety Messaging Communications	Email Messaging	1.6	1.5	16
	Periodic Newsletters/Articles	1.8	1.5	13
	Structured Tailgate-Type Talks	1.6	1.5	17
	Routinely Scheduled Safety Meetings	1.4	1.1	21
	Annual Safety Conferences	2.1	1.6	8
	Other	1.3	1.5	8

NAWC 2021 Safety Benchmark For 2020 Data

Q2b 2020 Lost Time Severity Rate - All Calculated

		2020 Calculated Lost Time Severity Rate		
		Mean	Median	Count
All Respondents		25.8	13.3	22
Company has specific safety policy put in place by management	Yes	27.5	14.2	20
	No	13.9	13.9	1
Policy defines employee accountability for workplace safety	Yes	26.7	13.9	21
	No	6.4	6.4	1
Company has health and safety program	Yes	27.0	13.9	21
	No	.0	.0	1
Dedicated budget for health and safety programs	Yes	27.7	13.3	16
	No	20.8	10.7	6
Written health & safety program includes disciplinary action for violations	Yes	24.9	13.3	16
	No	28.2	15.6	6
Have an internal health & safety audit & inspection program	Yes	30.3	15.7	15
	No	16.1	3.0	7
If yes, does your company conduct external safety audits too?	Yes	35.1	22.5	10
	No	20.8	15.7	5
Written health & safety program includes investigation of all accidents & recommends corrective actions	Yes	27.2	14.8	18
	No	19.4	3.2	4
Written health & safety program includes proactive safety activities	Yes	27.7	14.2	16
	No	20.6	10.1	6
Track safety observation, near miss, or hazards	Yes	20.6	12.7	13
	No	30.1	8.4	8
Do you have a standard definition for "near miss"?	Yes	20.2	13.3	12
	No	32.5	17.1	10
If yes, does your company tier/rank "near misses"?	Yes	17.3	9.7	6
	No	23.1	17.6	6
Management sets goals & targets for safety performance	Yes	27.8	13.9	17
	No	19.1	3.0	5
Have a safety committee	Yes	30.3	14.8	18
	No	5.3	.0	4
Annual avg. # of hours of health & safety training received by most employees	Less than 5 hours	71.1	71.1	1
	5-10 hours	46.8	33.3	4
	Greater than 10 hours	18.2	12.7	17
Total number of employees	Less than 250	22.3	.0	7
	250-1,000	29.0	26.2	8
	Greater than 1,000	27.3	13.3	6
Does your company require employees to conduct site specific Safe Work Plans, Job Hazard Assessments (or something similar) prior to commencing work?	Yes	26.4	6.6	15
	No	24.5	21.3	7
Have a contractor safety program	Yes	27.6	12.7	15
	No	22.0	21.3	7
Have a cybersecurity plan/program in place	Yes	22.3	13.3	20
	No	60.3	60.3	2
Aware of the NIST Framework for cybersecurity	Yes	28.4	14.8	20
	No	.0	.0	2
Have implemented any of the recommendations outlined in the NIST Framework	Yes	24.8	14.8	18
	No	40.2	.0	3
Safety Messaging Communications	Email Messaging	29.1	14.8	16
	Periodic Newsletters/Articles	19.5	12.7	13
	Structured Tailgate-Type Talks	29.3	13.9	17
	Routinely Scheduled Safety Meetings	23.6	12.7	21
	Annual Safety Conferences	27.0	17.6	8
	Other	35.9	22.5	8

NAWC 2021 Safety Benchmark For 2020 Data

Q2c 2020 Lost Time Incidence Rate - All Calculated

		2020 Calculated Lost Time Incidence Rate		
		Mean	Median	Count
All Respondents		.6	.4	22
Company has specific safety policy put in place by management	Yes	.6	.4	20
	No	.6	.6	1
Policy defines employee accountability for workplace safety	Yes	.6	.4	21
	No	1.2	1.2	1
Company has health and safety program	Yes	.6	.4	21
	No	.0	.0	1
Dedicated budget for health and safety programs	Yes	.6	.4	16
	No	.6	.2	6
Written health & safety program includes disciplinary action for violations	Yes	.6	.4	16
	No	.7	.2	6
Have an internal health & safety audit & inspection program	Yes	.5	.4	15
	No	.8	.5	7
If yes, does your company conduct external safety audits too?	Yes	.5	.4	10
	No	.6	.4	5
Written health & safety program includes investigation of all accidents & recommends corrective actions	Yes	.5	.4	18
	No	.9	.6	4
Written health & safety program includes proactive safety activities	Yes	.5	.4	16
	No	.8	.6	6
Track safety observation, near miss, or hazards	Yes	.5	.4	13
	No	.8	.6	8
Do you have a standard definition for "near miss"?	Yes	.5	.4	12
	No	.7	.4	10
If yes, does your company tier/rank "near misses"?	Yes	.4	.4	6
	No	.6	.6	6
Management sets goals & targets for safety performance	Yes	.5	.4	17
	No	.9	.6	5
Have a safety committee	Yes	.7	.4	18
	No	.2	.0	4
Annual avg. # of hours of health & safety training received by most employees	Less than 5 hours	2.3	2.3	1
	5-10 hours	.7	.6	4
	Greater than 10 hours	.5	.4	17
Total number of employees	Less than 250	.4	.0	7
	250-1,000	.9	.7	8
	Greater than 1,000	.4	.4	6
Does your company require employees to conduct site specific Safe Work Plans, Job Hazard Assessments (or something similar) prior to commencing work?	Yes	.6	.4	15
	No	.7	.6	7
Have a contractor safety program	Yes	.6	.4	15
	No	.5	.5	7
Have a cybersecurity plan/program in place	Yes	.6	.4	20
	No	.6	.6	2
Aware of the NIST Framework for cybersecurity	Yes	.7	.4	20
	No	.0	.0	2
Have implemented any of the recommendations outlined in the NIST Framework	Yes	.7	.4	18
	No	.4	.0	3
Safety Messaging Communications	Email Messaging	.6	.4	16
	Periodic Newsletters/Articles	.7	.4	13
	Structured Tailgate-Type Talks	.7	.4	17
	Routinely Scheduled Safety Meetings	.5	.4	21
	Annual Safety Conferences	.5	.4	8
	Other	.5	.4	8

NAWC 2021 Safety Benchmark For 2020 Data

Q2d 2020 Recordable Incidence Rate - All Calculated

		2020 Calculated Recordable Incidence Rate		
		Mean	Median	Count
All Respondents		2.2	1.9	22
Company has specific safety policy put in place by management	Yes	2.3	2.1	20
	No	1.7	1.7	1
Policy defines employee accountability for workplace safety	Yes	2.2	1.7	21
	No	3.6	3.6	1
Company has health and safety program	Yes	2.3	2.0	21
	No	.0	.0	1
Dedicated budget for health and safety programs	Yes	2.2	1.9	16
	No	2.4	1.2	6
Written health & safety program includes disciplinary action for violations	Yes	2.1	1.7	16
	No	2.7	2.1	6
Have an internal health & safety audit & inspection program	Yes	2.5	2.0	15
	No	1.7	.5	7
If yes, does your company conduct external safety audits too?	Yes	1.9	1.9	10
	No	3.7	2.0	5
Written health & safety program includes investigation of all accidents & recommends corrective actions	Yes	2.3	1.9	18
	No	2.0	1.8	4
Written health & safety program includes proactive safety activities	Yes	2.4	2.1	16
	No	1.7	1.1	6
Track safety observation, near miss, or hazards	Yes	2.7	2.1	13
	No	1.4	1.1	8
Do you have a standard definition for "near miss"?	Yes	2.3	1.9	12
	No	2.1	1.9	10
If yes, does your company tier/rank "near misses"?	Yes	1.5	1.2	6
	No	3.1	2.6	6
Management sets goals & targets for safety performance	Yes	2.0	1.7	17
	No	2.9	3.0	5
Have a safety committee	Yes	2.3	2.1	18
	No	1.8	.0	4
Annual avg. # of hours of health & safety training received by most employees	Less than 5 hours	4.6	4.6	1
	5-10 hours	2.2	.9	4
	Greater than 10 hours	2.1	2.0	17
Total number of employees	Less than 250	1.0	.5	7
	250-1,000	3.6	2.9	8
	Greater than 1,000	2.0	2.1	6
Does your company require employees to conduct site specific Safe Work Plans, Job Hazard Assessments (or something similar) prior to commencing work?	Yes	1.8	1.7	15
	No	3.2	2.2	7
Have a contractor safety program	Yes	2.2	2.0	15
	No	2.4	.5	7
Have a cybersecurity plan/program in place	Yes	2.3	1.9	20
	No	1.9	1.9	2
Aware of the NIST Framework for cybersecurity	Yes	2.5	2.1	20
	No	.0	.0	2
Have implemented any of the recommendations outlined in the NIST Framework	Yes	2.6	2.2	18
	No	.6	.0	3
Safety Messaging Communications	Email Messaging	2.4	2.1	16
	Periodic Newsletters/Articles	2.7	2.1	13
	Structured Tailgate-Type Talks	2.5	2.0	17
	Routinely Scheduled Safety Meetings	2.1	1.7	21
	Annual Safety Conferences	2.6	2.3	8
	Other	1.8	1.9	8

NAWC 2021 Safety Benchmark For 2020 Data

Q10B Number of safety observations, near miss, or hazards reported in 2020

		Number of safety observations, near miss, or hazards reported in 2020		
		Mean	Median	Count
All Respondents		1,928.1	210.0	14
Company has specific safety policy put in place by management	Yes	2,041.5	201.0	13
Policy defines employee accountability for workplace safety	Yes	2,072.5	219.0	13
	No	50.0	50.0	1
Company has health and safety program	Yes	1,928.1	210.0	14
Dedicated budget for health and safety programs	Yes	2,240.0	336.5	12
	No	56.5	56.5	2
Written health & safety program includes disciplinary action for violations	Yes	2,428.8	454.0	11
	No	92.0	45.0	3
Have an internal health & safety audit & inspection program	Yes	2,072.5	219.0	13
	No	50.0	50.0	1
If yes, does your company conduct external safety audits too?	Yes	2,779.6	336.5	8
	No	941.2	68.0	5
Written health & safety program includes investigation of all accidents & recommends corrective actions	Yes	2,072.5	219.0	13
	No	50.0	50.0	1
Written health & safety program includes proactive safety activities	Yes	2,072.5	219.0	13
	No	50.0	50.0	1
Track safety observation, near miss, or hazards	Yes	2,060.9	219.0	13
Do you have a standard definition for "near miss"?	Yes	2,428.8	454.0	11
	No	92.0	45.0	3
If yes, does your company tier/rank "near misses"?	Yes	4,315.8	3,199.0	6
	No	164.4	68.0	5
Management sets goals & targets for safety performance	Yes	2,071.2	219.0	13
	No	68.0	68.0	1
Have a safety committee	Yes	2,071.2	219.0	13
	No	68.0	68.0	1
Annual avg. # of hours of health & safety training received by most employees	5-10 hours	12.0	12.0	1
	Greater than 10 hours	2,075.5	219.0	13
Total number of employees	Less than 250	45.0	45.0	1
	250-1,000	168.7	68.0	7
	Greater than 1,000	4,375.4	2,508.0	5
Does your company require employees to conduct site specific Safe Work Plans, Job Hazard Assessments (or something similar) prior to commencing work?	Yes	2,664.4	572.5	10
	No	87.3	59.0	4
Have a contractor safety program	Yes	2,442.2	454.0	11
	No	43.0	49.0	3
Have a cybersecurity plan/program in place	Yes	2,072.9	219.0	13
	No	45.0	45.0	1
Aware of the NIST Framework for cybersecurity	Yes	1,928.1	210.0	14
Have implemented any of the recommendations outlined in the NIST Framework	Yes	1,928.1	210.0	14
Safety Messaging Communications	Email Messaging	2,075.5	219.0	13
	Periodic Newsletters/Articles	2,411.6	454.0	11
	Structured Tailgate-Type Talks	2,227.0	327.5	12
	Routinely Scheduled Safety Meetings	1,928.1	210.0	14
	Annual Safety Conferences	3,090.3	201.0	7
	Other	3,597.0	1,363.5	6

Q17 How does your company communicate safety messaging?

	All Respondents	
	Count	Percent
Email Messaging	16	72.7%
Periodic Newsletters/Articles	13	59.1%
Structured Tailgate-Type Talks	17	77.3%
Routinely Scheduled Safety Meetings	21	95.5%
Annual Safety Conferences	8	36.4%
Other	8	36.4%

Percentages based on respondents answering this question

NAWC 2021 Safety Benchmark For 2020 Data

**DART Rate and Lost Time Severity Rate - All
Calculated with Quartiles**

		Total
2020 Calculated DART Incident Rate	10th Percentile	.00
	First Quartile 25%	.48
	Median 50%	1.31
	Third Quartile 75%	1.94
	90th Percentile	3.14
	Number	22
	Mean	1.43
2020 Calculated Lost Time Severity Rate	10th Percentile	.00
	First Quartile 25%	.98
	Median 50%	13.28
	Third Quartile 75%	40.29
	90th Percentile	69.98
	Number	22
	Mean	25.79

NAWC 2021 Safety Benchmark For 2020 Data

Lost Time Incidence Rate and Recordable Incidence Rate - All Calculated with Quartiles

		Total
2020 Calculated Lost Time Incidence Rate	10th Percentile	.00
	First Quartile 25%	.23
	Median 50%	.40
	Third Quartile 75%	.85
	90th Percentile	1.66
	Number	22
	Mean	.61
2020 Calculated Recordable Incidence Rate	10th Percentile	.00
	First Quartile 25%	.91
	Median 50%	1.88
	Third Quartile 75%	2.99
	90th Percentile	6.33
	Number	22
	Mean	2.23