



## More Training, Better Prepared: Increasing the frequency of training improves understanding of security instructions.

Thea Ulimoen, Jacopo Paglia, Kai Roer<sup>1</sup>

### **Abstract**

Research has been conflicted with regards to how often security awareness training needs to be undertaken in order to effectively implement changes in behaviors and knowledge (Stewart et al, 2012; Pattinson et al, 2017, Gundu er al, 2019). In this report we examine how clearly security instructions are understood by employees relative to the amount of security awareness training they have taken in the last 12 months. The comparison examined responses from those who completed no security awareness training, annual training, quarterly training, and monthly training. Data pre-processing revealed that no organizations implemented annual training. Statistical analysis for the remaining frequencies revealed an 84% correlation between training frequency and rating of instructions. Further examination revealed this increase occurred both between no training and quarterly training, as well as quarterly training and monthly training consistently across all industry types. Those with increased frequencies of training had a clearer understanding of instructions from their organization in the event of a security incident. Organizations looking to improve their security based communication should consider increasing the frequency of employees' security awareness training.

### **Executive Summary**

Having security policies in place is an essential part of maintaining a good and strong security culture, however a policy is only effective if the employees are able to understand its instructions. This report examined how clear employees felt instructions were from their organizations with regards to what to do in the event of a security incident. The average clarity rating was 70/100, however a closer look at the data revealed that the clarity rating varied greatly depending on how much security awareness training had been completed in the last 12 months. Those who had received training on a quarterly basis gave an average clarity rating that was 8% higher than those who had completed no training. This number increased to 12% for those who completed monthly training. In 84% of cases, security awareness training increased employees' understanding of security instructions.

## Method

This report made use of items selected from the Security Culture Survey and Security Awareness Proficiency Assessment, both of which are available to KnowBe4 customers via the Kevin Mitnick Security Awareness Training (KMSAT) platform. The Security Culture Survey was developed by CLTRe (now KnowBe4 Research) based on a scientific approach that integrates survey methodology, statistics and scientific findings from security culture research and psychometrics (see Security Culture Report, 2017, CLTRe). The survey consists of statements designed to assess different aspects of security culture, during which respondents answer questions using a 5-point Likert scale. The Security Awareness Proficiency Assessment is a scientifically developed survey that assesses the behavioral knowledge of respondents using multiple choice questions. The analysis made use of one item from the Security Culture Survey and one item from the Security Awareness Proficiency Assessment that assessed the following statements:

1 - Perceived clarity of instructions from employees' organizations in the event of a security incident

2 - The frequency at which employees have completed security awareness training in the last 12 months.

The data for the report is aggregated from a single data collection time point for each employee per item. Participants were informed that their responses were anonymous prior to completing the survey. Data from individual respondents for both items were gathered and converted into percentage ratio values and were grouped by industry type (Banking, Financial Services, Technology, Education, Construction, Government, Manufacturing, Insurance, Consulting, Business Services, Consumer Services, Not for Profit, Healthcare & Pharmaceuticals, Transportation, Legal, Retail & Wholesale and Energy & Utilities) and global region (Asia, Africa, North America, Europe, Latin America, Oceania). While data for individual items included data from N = 526, 343 (clarity rating) and N = 523, 103 (training frequency), the correlation analysis could only include participants from two specific time periods, and so a subset total of N = 290 640 respondents were included for the correlation. The correlation analysis assessed to what degree an increase in training frequency coincided with an increase in clarity of instructions.

| <b>Highest rated</b> | N      | Yes % | No % |
|----------------------|--------|-------|------|
| Insurance            | 18 881 | 88.1  | 11.9 |
| Financial Services   | 51 871 | 87.1  | 12.9 |
| Legal                | 3 606  | 86.1  | 13.9 |
| <b>Lowest rated</b>  |        |       |      |
| Construction         | 11 057 | 79.4  | 20.6 |
| Government           | 50 832 | 78.2  | 21.8 |
| Education            | 17 280 | 71.6  | 28.4 |

Table 1: Summary of responses for whether organizations provide clear instructions in the event of a security threat by industry type

| <b>Region</b> | N       | Yes (%) | No (%) |
|---------------|---------|---------|--------|
| Latin America | 2 933   | 86.1    | 13.9   |
| Asia          | 8 880   | 80.6    | 19.4   |
| North America | 232 497 | 82.9    | 17.1   |
| Africa        | 11 023  | 82.9    | 17.1   |
| Europe        | 21 955  | 80.8    | 19.2   |
| Oceania       | 10 501  | 76.1    | 23.9   |

Table 2: Summary of responses for whether organizations provide clear instructions in the event of a security threat by global region. Data presented is that exclusively used in the correlation analysis.

## Results

### Item Highlights

Assessment of training frequency revealed no organization from the sample implemented annual training in the 12 month assessment period. The most popular training frequency was quarterly and this was reflected in all industries with the exception of hospitality, whose most frequent training was no training. Monthly training was completed by some employees in every industry, however the ratio of Quarterly to Monthly training varied (see Appendix B for a detailed overview of training frequency by industry and global region).

Employees from the Education industry rated the clarity of instructions in the event of a security incident as the lowest out of all industries examined, while regional analysis revealed organizations in Oceania to be the lowest scoring of the 6 regions examined. Detailed data for clarity of instruction rating for industry and global regions are available in Appendix A.

| Highest frequency   | N      | Monthly Training % |
|---------------------|--------|--------------------|
| Energy & Utilities  | 18 823 | 18.8               |
| Transportation      | 14 116 | 18.4               |
| Legal               | 3 606  | 10.8               |
| Lowest frequency    |        |                    |
| Healthcare & Pharm. | 41 713 | 3.8                |
| Technology          | 87 777 | 2.1                |
| Education           | 17 280 | 1.6                |

Table 3: Summary of % of employees undertaking monthly training by industry

| Region        | N       | Monthly Training % |
|---------------|---------|--------------------|
| Latin America | 2 933   | 8.9                |
| Asia          | 8 880   | 8.6                |
| North America | 232 497 | 8.4                |
| Africa        | 11 023  | 7.3                |
| Europe        | 21 955  | 6.2                |
| Oceania       | 10 501  | 3.8                |

Table 4: Summary of % of employees undertaking monthly training by global region

### Correlation Analysis

Ratings for the clarity of instructions were converted to mean percentage ratios per organization, and then aggregated to the level of industry. Values were then assigned to the three average training frequencies for which data was available - None (0), Quarterly (0.75) and Monthly (1.00). A Spearman's Rho correlation analysis was then conducted to accommodate the categorical nature of time frequencies used. The results revealed a correlation value between training frequency and perceived clarity of instructions of 0.84. In 84% of cases, increased training resulted in improved perceived clarity of security related instructions (see Figure 1). A more detailed examination of different time time frequencies showed that employees who received quarterly training in the previous 12 months reported an average improvement of 8% in their understanding of security instructions over those who have taken no training. Further, employees who had undertaken Monthly Training in the previous 12 months report an improved understanding of security related instructions of 12% over those who had taken no training (see Figure 2).

### Discussion

This report demonstrates a clear relationship between training frequency and how well employees feel they understand instructions in the event of a security incident. This effect is highly consistent, with 84%

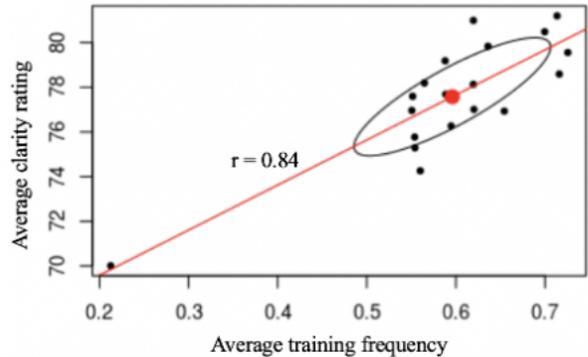


Figure 1: Scatter plot demonstrating the correlation between training frequency and clarity of instruction rating, grouped by industry type.

of cases demonstrating improvements. In addition to the high correlation, the increase in rating with every increased training frequency was highly consistent across industry types (see Appendix B, pg 12).

While the improvement is most pronounced for those who received quarterly training in the 12 month period compared to no training, the effect was also present for those who completed monthly over quarterly training. At its most basic level, one can assume initial improvements on the basis of improved literacy in the language used around security related instructions, and explanations provided to employees about why security policies advocate specific actions. However, as it can be reasonably assumed that both of these achieved through quarterly training, the continued improvement would suggest an alternative reason why increased training frequency benefits the clarity of instructions.

A likely contributor to the ongoing improvement is that increased training improves the odds of employees accurately recalling training content, while further resulting in more consistent reinforcement of the importance of security aware behavior, which has been evidenced to increase information retention. Increasing the frequency of training also allows organizations to broaden the scope of security topics that can be covered. Security incidents, and in turn instructions on how to deal with them appropriately, do not operate on a one-size-fits-all basis. For example, policy on what to do in the event of a phishing attack differs from what to do in the event of unauthorized person(s) on the organizations' property. In comparison with monthly training schedules, quarterly training schedules would severely limit the ability of an organization to cover instructions across the range of potential security incidents, while also limiting how successfully they are able to reinforce previous training content.

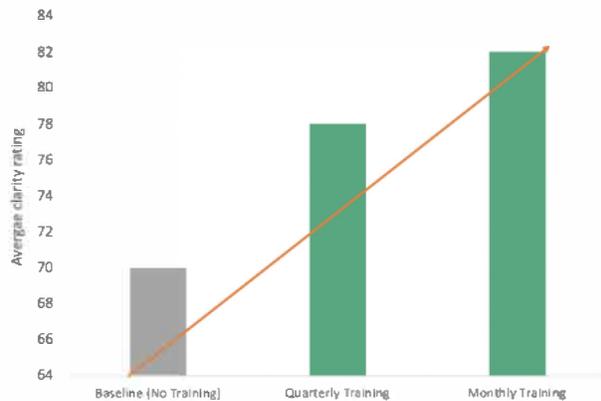


Figure 2: Graph detailing the average percentage increase of clarity rating by training frequency

## Implications

Those who do not receive security awareness training have reduced understanding of organizational instructions in the event of a security incident. The data presented here highlights that simply communicating security policy to untrained employees is ineffective. Without the benefits of training, such as improved understanding of terminology and knowledge about why procedures are in place, it is more difficult for an employee to understand and, ultimately, appropriately implement security based instructions.

## Conclusion

Organizations wishing to improve their communication with employees regarding what to do in the event of security incidents should implement security awareness training. Those who are already implementing security awareness training should consider assessing the perceived clarity of security policy instructions, and increasing the frequency of their training schedules accordingly.

## About KnowBe4, Inc.

KnowBe4, the provider of the world's largest security awareness training and simulated phishing platform, is used by more than 50,000 organizations around the globe. Founded by IT and data security specialist Stu Sjouwerman, KnowBe4 helps organizations address the human element of security by raising awareness about ransomware, CEO fraud and other social engineering tactics through a new-school approach to awareness training on security. Kevin Mitnick, an internationally recognized cybersecurity specialist and KnowBe4's Chief Hacking Officer, helped design the

KnowBe4 training based on his well-documented social engineering tactics. Tens of thousands of organizations rely on KnowBe4 to mobilize their end users as the last line of defense.

## About the KnowBe4 Research Technical Report

Establishing an excellent security culture is an important aspect of developing an efficient defense against cyber security threats. Reports from KnowBe4 Research provide analysis of various aspects of security culture, in order to provide quantifiable, up to date information about global practices and standards in different industries.

## About KnowBe4 Research

KnowBe4 Research is the research arm of KnowBe4, Inc. Our mission is to provide IT and security leaders with high quality, vendor neutral data-driven insights related to cybersecurity and the human element.

## References

- Gundu, T., Flowerday, S., & Renaud, K. (2019, March). Deliver security awareness training, then repeat: Deliver; Measure Efficacy. In 2019 conference on information communications technology and society (ICTAS) (pp. 1-6). IEEE.
- Pattinson, M., Butavicius, M., Parsons, K., McCormac, A., & Calic, D. (2017). Managing information security awareness at an Australian bank: A comparative study. *Information & Computer Security*.
- Stewart, G., & Lacey, D. (2012). Death by a thousand facts: Criticising the technocratic approach to information security awareness. *Information Management & Computer Security*.
- Roer, K. & Eriksen, A. & Pterič, G: The Security Culture Report 2021 (2021). KnowBe4 Research. <https://www.knowbe4.com/organizational-cyber-security-culture-research-report>
- Roer, K. & Eriksen, A. & Pterič, G: The Security Culture Report 2020 (2020). KnowBe4 Research. <https://www.knowbe4.com/hubfs/Security-Culture-Report.pdf>
- Mannix, T.K. & Petrič, G. & Eriksen, A.C. & Paglia, J. & Roer, K (2022). Phishing susceptibility across industries. *Proceedings of the HCII 2022: Lecture Notes in Computer Science*. (*In press*)

## Appendices

The appendices attached here offer visualizations and detailed overviews of the data described in the report.

**Appendix A** includes data for perceived clarity of instructions given by the organisation in the event of a security threat. Data presented here includes all respondents who completed the survey in January 2022 (N = 526 343).

**Appendix B** includes data for the amount of training completed by employees within the previous 12 months (N = 523 103).

**Appendix C** includes supplementary data. Here you will find the list of countries included in the regional analysis, training frequencies for individual countries, and table presented data for the average improvement % per industry.

## Appendix A

Perceived clarity of instructions given by the organisation in the event of a security threat:

### Industry and regional data:

Summary of responses for the highest and lowest scoring clarity of instructions in the event of a security threat by industry type:

| Industry type        | N      | Yes (%) | No (%) | Rank |
|----------------------|--------|---------|--------|------|
| Insurance            | 18 881 | 88.1    | 11.9   | 1st  |
| Financial services   | 51 871 | 87.1    | 12.9   | 2nd  |
| Legal                | 3 606  | 86.1    | 13.9   | 3rd  |
| Technology           | 87 777 | 84.9    | 15.1   | 4th  |
| Banking              | 49 122 | 84.8    | 15.2   | 5th  |
| Consulting           | 15 851 | 83.8    | 16.2   | 6th  |
| Energy & Utilities   | 18 823 | 82.8    | 17.2   | 7th  |
| Healthcare & Pharma. | 41 713 | 82.3    | 17.7   | 8th  |
| Consumer services    | 8 384  | 82.2    | 17.8   | 9th  |
| Business services    | 24 428 | 82.0    | 18.0   | 10th |
| Transportation       | 14 116 | 81.8    | 18.2   | 11th |
| Not for Profit       | 16 307 | 80.9    | 19.1   | 12th |
| Manufacturing        | 52 633 | 80.3    | 19.7   | 13th |
| Retail & Wholesale   | 43 662 | 80.2    | 19.8   | 14th |
| Construction         | 11 057 | 79.4    | 20.6   | 15th |
| Government           | 50 832 | 78.2    | 21.8   | 16th |
| Education            | 17 280 | 71.6    | 28.4   | 17th |

Summary of responses by global region regarding whether the organization provides clear instructions to employees in the event of a security threat, ranked from best to worst:

| Region        | N       | Yes (%) | No (%) |
|---------------|---------|---------|--------|
| Latin America | 3 968   | 86.1    | 13.9   |
| Africa        | 40 853  | 82.9    | 17.1   |
| North America | 398 706 | 82.9    | 17.1   |
| Europe        | 50 946  | 80.8    | 19.2   |
| Asia          | 16 652  | 80.6    | 19.4   |
| Oceania       | 15 330  | 76.1    | 23.9   |

## Appendix B

### Frequency of security awareness training: Industry Data

The frequency of training by industry type, organised by highest rate of **any** training:

| Industry type        | N      | None % | Quarterly % | Monthly % |
|----------------------|--------|--------|-------------|-----------|
| Insurance            | 18 881 | 9.2    | 82.8        | 7.8       |
| Financial services   | 51 871 | 11.1   | 78.2        | 10.6      |
| Energy & Utilities   | 18 823 | 11.8   | 69.3        | 18.8      |
| Banking              | 49 122 | 12.6   | 80.1        | 7.1       |
| Business services    | 24 428 | 15.9   | 74.6        | 9.4       |
| Technology           | 87 777 | 16.7   | 77.4        | 2.1       |
| Government           | 50 832 | 19.7   | 72.7        | 7.4       |
| Consulting           | 15 851 | 20.2   | 73.1        | 6.6       |
| Transportation       | 14 116 | 21.8   | 59.6        | 18.4      |
| Not for Profit       | 16 307 | 22.7   | 69.7        | 7.4       |
| Healthcare & Pharma. | 41 713 | 23.3   | 72.7        | 3.8       |
| Retail & Wholesale   | 43 662 | 24.1   | 69.7        | 6.1       |
| Legal                | 3 606  | 10.8   | 62.9        | 26.4      |
| Manufacturing        | 52 633 | 28.2   | 62.4        | 9.3       |
| Consumer services    | 8 384  | 34.1   | 56.5        | 9.4       |
| Construction         | 11 057 | 38.5   | 56.1        | 5.3       |
| Education            | 17 280 | 41.1   | 57.2        | 1.6       |

The frequency of training by industry type, organised by highest rate of **quarterly** training:

| Industry type        | N      | None % | Quarterly % | Monthly % |
|----------------------|--------|--------|-------------|-----------|
| Insurance            | 18 881 | 9.2    | 82.8        | 7.8       |
| Banking              | 49 122 | 12.6   | 80.1        | 7.1       |
| Financial services   | 51 871 | 11.1   | 78.2        | 10.6      |
| Technology           | 87 777 | 16.7   | 77.4        | 2.1       |
| Business services    | 24 428 | 15.9   | 74.6        | 9.4       |
| Consulting           | 15 851 | 20.2   | 73.1        | 6.6       |
| Government           | 50 832 | 19.7   | 72.7        | 7.4       |
| Healthcare & Pharma. | 41 713 | 23.3   | 72.7        | 3.8       |
| Not for Profit       | 16 307 | 22.7   | 69.7        | 7.4       |
| Retail & Wholesale   | 43 662 | 24.1   | 69.7        | 6.1       |
| Energy & Utilities   | 18 823 | 11.8   | 69.3        | 18.8      |
| Legal                | 3 606  | 10.8   | 62.9        | 26.4      |
| Manufacturing        | 52 633 | 28.2   | 62.4        | 9.3       |
| Transportation       | 14 116 | 21.8   | 59.6        | 18.4      |
| Education            | 17 280 | 41.1   | 57.2        | 1.6       |
| Consumer services    | 8 384  | 34.1   | 56.5        | 9.4       |
| Construction         | 11 057 | 38.5   | 56.1        | 5.3       |

The frequency of training by industry type, organised by highest rate of **monthly** training:

| <b>Industry type</b> | <b>N</b> | <b>None %</b> | <b>Quarterly %</b> | <b>Monthly %</b> |
|----------------------|----------|---------------|--------------------|------------------|
| Energy & Utilities   | 18 823   | 11.8          | 69.3               | 18.8             |
| Transportation       | 14 116   | 21.8          | 59.6               | 18.4             |
| Legal                | 3 606    | 10.8          | 62.9               | 26.4             |
| Financial services   | 51 871   | 11.1          | 78.2               | 10.6             |
| Business services    | 24 428   | 15.9          | 74.6               | 9.4              |
| Consumer services    | 8 384    | 34.1          | 56.5               | 9.4              |
| Manufacturing        | 52 633   | 28.2          | 62.4               | 9.3              |
| Insurance            | 18 881   | 9.2           | 82.8               | 7.8              |
| Government           | 50 832   | 19.7          | 72.7               | 7.4              |
| Not for Profit       | 16 307   | 22.7          | 69.7               | 7.4              |
| Banking              | 49 122   | 12.6          | 80.1               | 7.1              |
| Consulting           | 15 851   | 20.2          | 73.1               | 6.6              |
| Retail & Wholesale   | 43 662   | 24.1          | 69.7               | 6.1              |
| Construction         | 11 057   | 38.5          | 56.1               | 5.3              |
| Healthcare & Pharma. | 41 713   | 23.3          | 72.7               | 3.8              |
| Technology           | 87 777   | 16.7          | 77.4               | 2.1              |
| Education            | 17 280   | 41.1          | 57.2               | 1.6              |

The average percentage improvement by training increase per industry:

| <b>Industry</b>      | <b>Quarterly<br/>Improvement (%)</b> | <b>Monthly<br/>Improvement (%)</b> |
|----------------------|--------------------------------------|------------------------------------|
| Banking              | 4.7                                  | 8.3                                |
| Business Services    | 7.1                                  | 8.2                                |
| Construction         | 9.5                                  | 13.6                               |
| Consulting           | 12.7                                 | 15.9                               |
| Consumer Services    | 5.6                                  | 8.6                                |
| Education            | 5.8                                  | 13.8                               |
| Energy and Utilities | 4.9                                  | 9.4                                |
| Financial Services   | 7.1                                  | 9.4                                |
| Government           | 7.3                                  | 10.6                               |
| Health & Pharm.      | 6.2                                  | 10.1                               |
| Hospitality          | 6.8                                  | 9.1                                |
| Insurance            | 5.4                                  | 7.2                                |
| Legal                | 3.1                                  | 8.7                                |
| Manufacturing        | 7.5                                  | 10.1                               |
| Not for Profit       | 7.7                                  | 10.4                               |
| Retail and Wholesale | 8.9                                  | 14.1                               |
| Technology           | 6.7                                  | 11.2                               |
| Transportation       | 9.8                                  | 12.4                               |

**Frequency of security awareness training: Regional Data**

Summary of average training frequencies for global regions, organised by highest rate of **any** training

| <b>Region</b> | N       | None % | Quarterly % | Monthly % |
|---------------|---------|--------|-------------|-----------|
| North America | 232 497 | 17.7   | 74.0        | 8.4       |
| Latin America | 2 933   | 18.0   | 71.3        | 8.9       |
| Africa        | 11 023  | 27.0   | 65.6        | 7.3       |
| Europe        | 21 955  | 29.3   | 64.5        | 6.2       |
| Asia          | 8 880   | 32.1   | 59.3        | 8.6       |
| Oceania       | 10 501  | 42.8   | 53.4        | 3.8       |

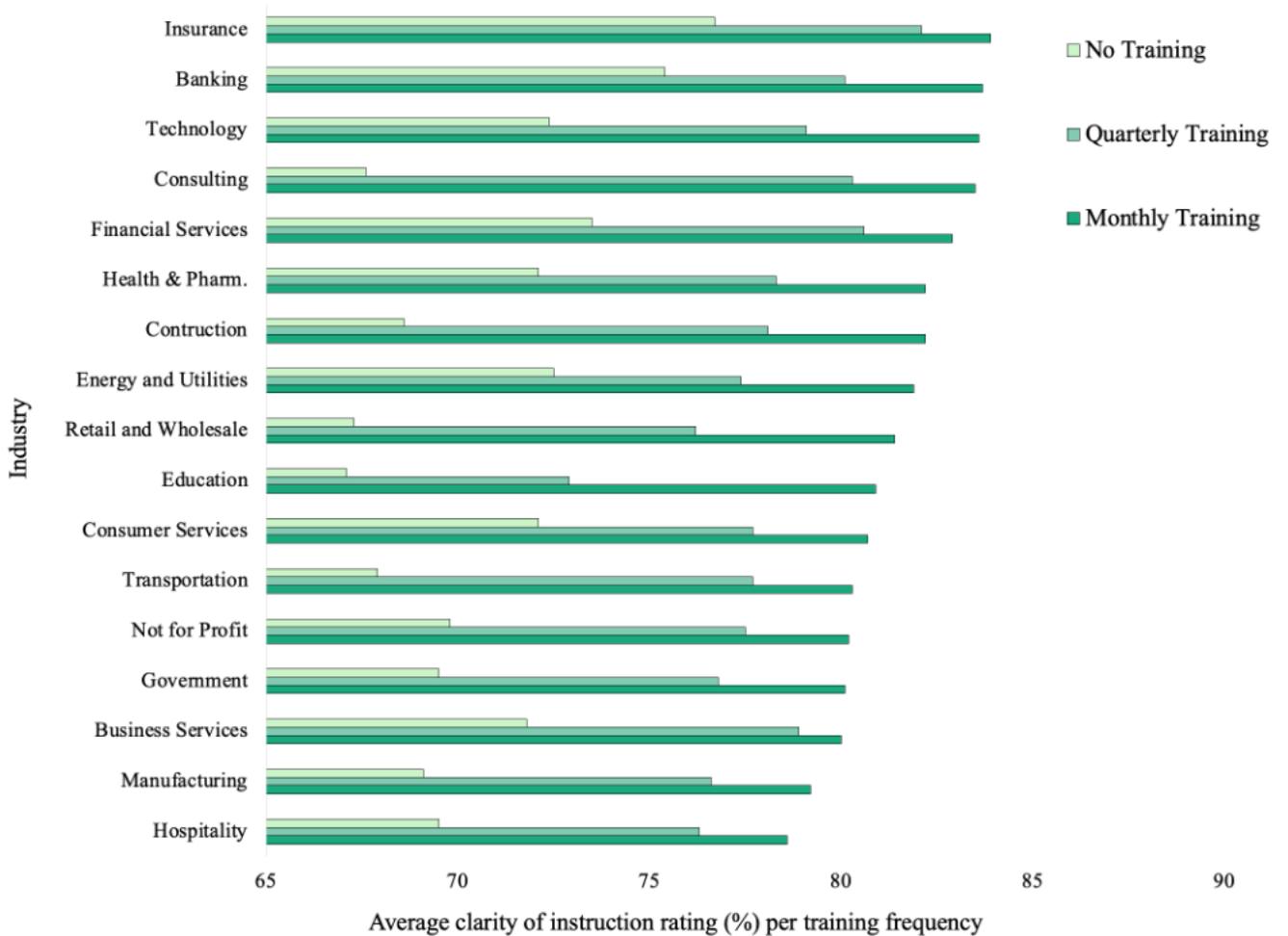
Summary of average training frequencies for global regions, organised by highest rate of **quarterly** training

| <b>Region</b> | N       | None % | Quarterly % | Monthly % |
|---------------|---------|--------|-------------|-----------|
| North America | 232 497 | 17.7   | 74.0        | 8.4       |
| Latin America | 2 933   | 18.0   | 71.3        | 8.9       |
| Africa        | 11 023  | 27.0   | 65.6        | 7.3       |
| Europe        | 21 955  | 29.3   | 64.5        | 6.2       |
| Asia          | 8 880   | 32.1   | 59.3        | 8.6       |
| Oceania       | 10 501  | 42.8   | 53.4        | 3.8       |

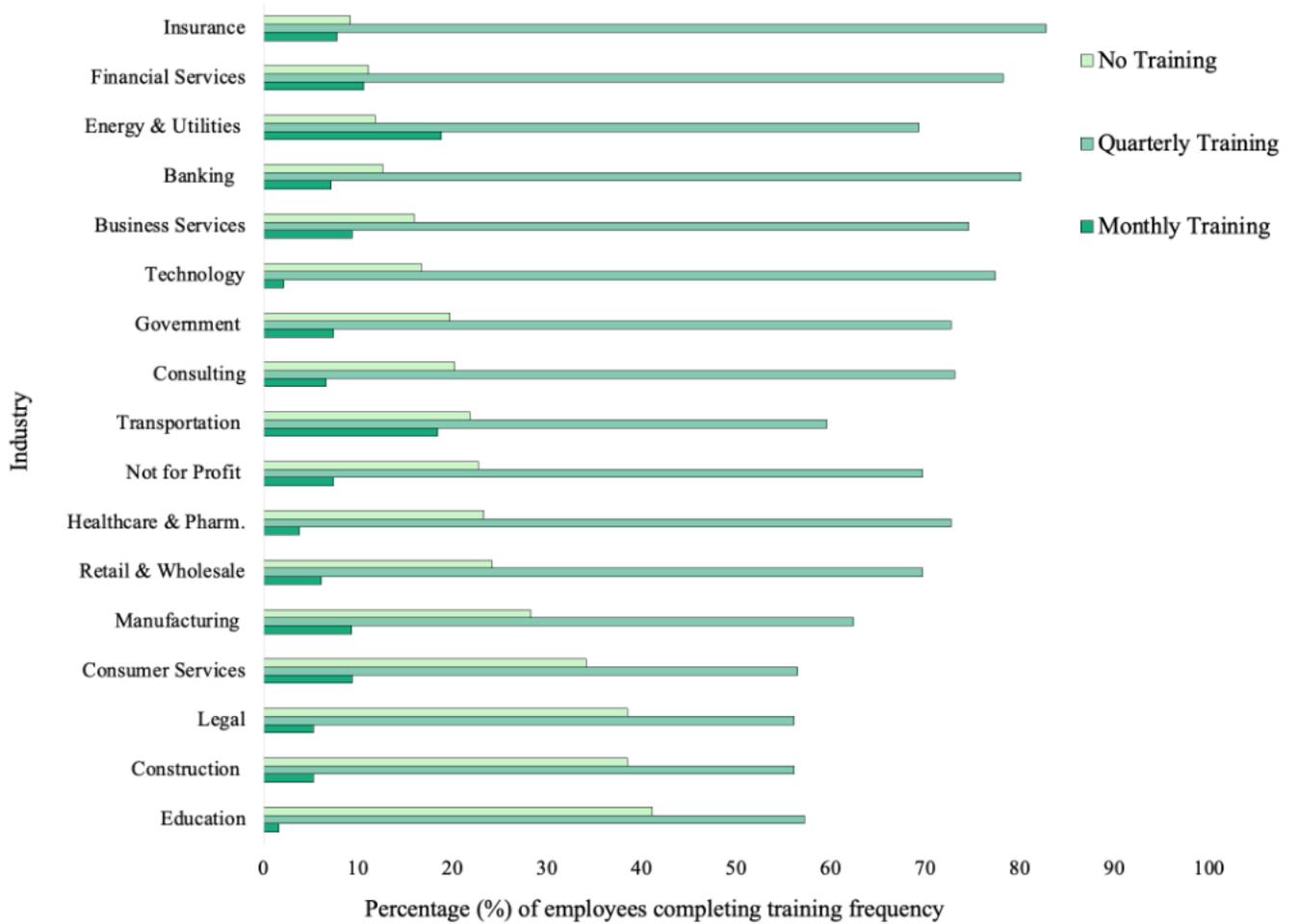
Summary of average training frequencies for global regions, organised by highest rate of **monthly** training

| <b>Region</b> | N       | None % | Quarterly % | Monthly % |
|---------------|---------|--------|-------------|-----------|
| Latin America | 2 933   | 18.0   | 71.3        | 8.9       |
| Asia          | 8 880   | 32.1   | 59.3        | 8.6       |
| North America | 232 497 | 17.7   | 74.0        | 8.4       |
| Latin America | 2 933   | 18.0   | 71.3        | 8.9       |
| Africa        | 11 023  | 27.0   | 65.6        | 7.3       |
| Europe        | 21 955  | 29.3   | 64.5        | 6.2       |
| Oceania       | 10 501  | 42.8   | 53.4        | 3.8       |

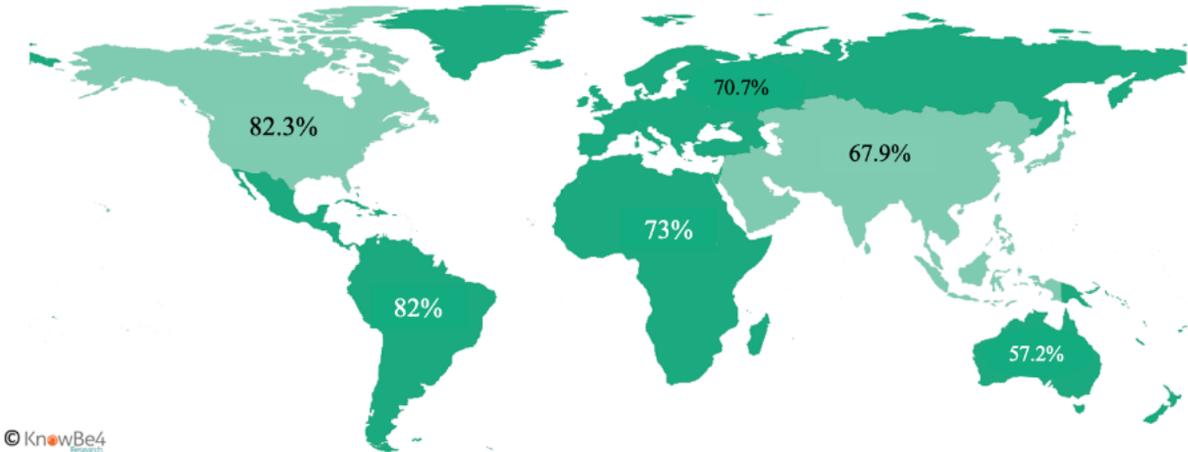
A graphical overview demonstrating how ratings of the clarity of security instructions improve with higher training frequency for each industry included in the analysis. The x-axis is the rating, while the colors note the frequency of training.



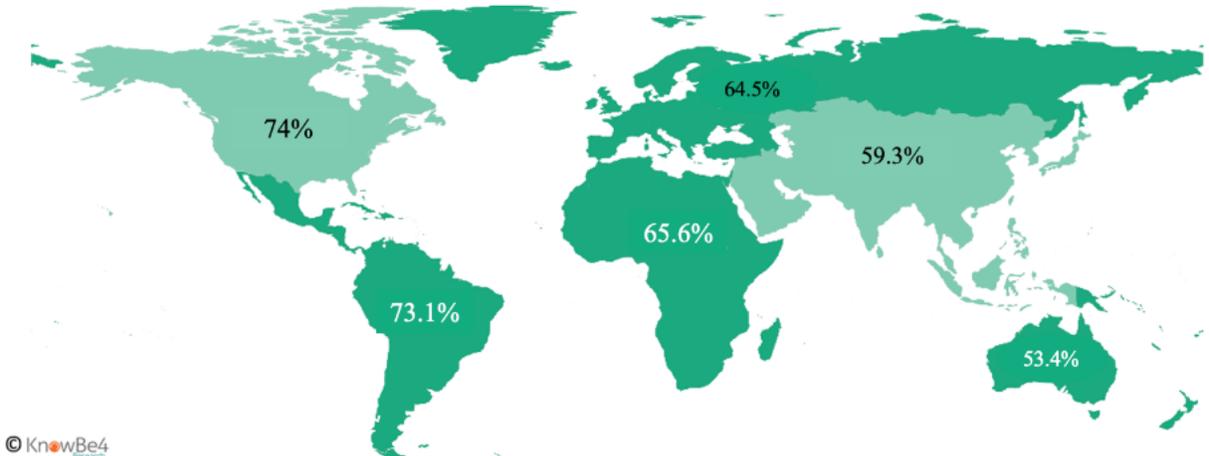
A graphical overview of training frequency for each industry included in the analysis. The x-axis shows the percentage of employees for each industry who trained at each frequency.



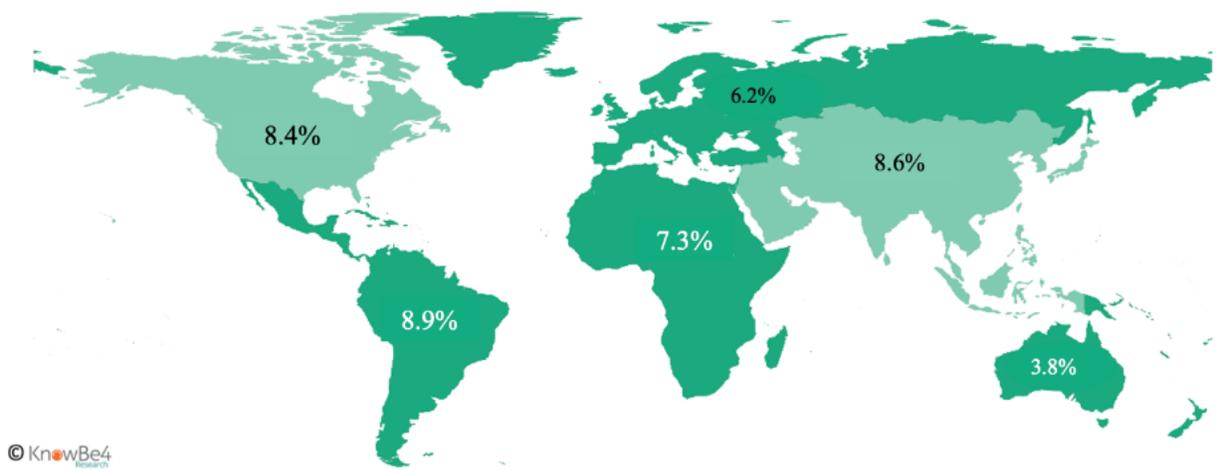
A map showing the number of employees in each region who report completing **any** training in the last 12 months



A map showing the number of employees in each region who report completing **quarterly** training in the last 12 months



A map showing the number of employees in each region who report completing **monthly** training in the last 12 months



## Appendix C

Training frequencies from individual countries.

The frequency of training per country presented in alphabetical order:

| Country            | N    | None % | Quarterly % | Monthly % |
|--------------------|------|--------|-------------|-----------|
| Australia          | 7687 | 44     | 55          | 1         |
| Bahrain            | 208  | 43     | 57          | 0         |
| Belgium            | 284  | 61     | 31          | 8         |
| Belize             | 231  | 54     | 45          | 1         |
| Bermuda            | 375  | 7      | 92          | 1         |
| Botswana           | 1068 | 19     | 80          | 1         |
| Brazil             | 420  | 5      | 92          | 4         |
| Bulgaria           | 37   | 14     | 86          | 0         |
| Canada             | 9180 | 21     | 68          | 11        |
| Cayman Islands     | 44   | 14     | 86          | 0         |
| Chile              | 13   | 69     | 31          | 0         |
| Colombia           | 118  | 19     | 60          | 21        |
| Costa Rica         | 13   | 0      | 92          | 8         |
| Cyprus             | 10   | 0      | 40          | 60        |
| Dominican Republic | 718  | 19     | 60          | 21        |
| Ecuador            | 193  | 23     | 76          | 1         |
| Eswatini           | 14   | 7      | 93          | 0         |
| France             | 35   | 57     | 43          | 0         |
| Germany            | 40   | 20     | 80          | 0         |
| Ghana              | 1559 | 7      | 84          | 8         |
| Gibraltar          | 35   | 11     | 86          | 3         |
| Hennepin           | 27   | 7      | 85          | 7         |
| Hong Kong          | 1338 | 4      | 57          | 39        |
| India              | 3941 | 51     | 49          | 1         |
| Indonesia          | 53   | 57     | 43          | 0         |
| Ireland            | 329  | 14     | 76          | 10        |
| Italy              | 149  | 12     | 88          | 0         |
| Jamaica            | 11   | 100    | 0           | 0         |
| Japan              | 1771 | 27     | 70          | 3         |
| Jersey             | 113  | 33     | 67          | 0         |
| Kenya              | 556  | 7      | 88          | 5         |
| Kuwait             | 144  | 31     | 69          | 1         |

| <b>Country</b>           | <b>N</b> | <b>None %</b> | <b>Quarterly %</b> | <b>Monthly %</b> |
|--------------------------|----------|---------------|--------------------|------------------|
| Latvia                   | 84       | 60            | 39                 | 1                |
| Lesotho                  | 145      | 83            | 17                 | 0                |
| Lithuania                | 71       | 83            | 17                 | 0                |
| Luxembourg               | 101      | 0             | 100                | 0                |
| Malaysia                 | 668      | 17            | 81                 | 2                |
| Malta                    | 63       | 22            | 59                 | 19               |
| Mexico                   | 676      | 12            | 84                 | 3                |
| Mozambique               | 66       | 8             | 68                 | 24               |
| Namibia                  | 1385     | 48            | 42                 | 1                |
| Netherlands              | 2628     | 51            | 46                 | 3                |
| New Zealand              | 2761     | 40            | 49                 | 11               |
| Nigeria                  | 534      | 22            | 75                 | 3                |
| Norway                   | 86       | 7             | 76                 | 3                |
| Philippines              | 820      | 9             | 74                 | 17               |
| Poland                   | 7        | 0             | 100                | 0                |
| Portugal                 | 379      | 84            | 16                 | 0                |
| Saint Kitts and Nevis    | 9        | 11            | 89                 | 0                |
| Saudi Arabia             | 826      | 40            | 57                 | 4                |
| Singapore                | 342      | 39            | 58                 | 3                |
| Slovakia                 | 503      | 64            | 36                 | 0                |
| Slovenia                 | 210      | 5             | 95                 | 0                |
| South Africa             | 4935     | 31            | 59                 | 11               |
| Spain                    | 299      | 22            | 62                 | 16               |
| Suriname                 | 329      | 10            | 88                 | 2                |
| Sweden                   | 87       | 5             | 44                 | 52               |
| Switzerland              | 62       | 6             | 94                 | 0                |
| The Republic of Tanzania | 416      | 0             | 85                 | 15               |
| Uganda                   | 242      | 16            | 83                 | 1                |
| United Arab Emirates     | 58       | 19            | 79                 | 2                |
| United Kingdom           | 15 032   | 23            | 70                 | 7                |
| United States of America | 222 915  | 18            | 74                 | 8                |
| Zimbabwe                 | 103      | 57            | 39                 | 4                |

---