

# The Implementation of SMS in Maintenance Operations

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# Overview

## **Problem**

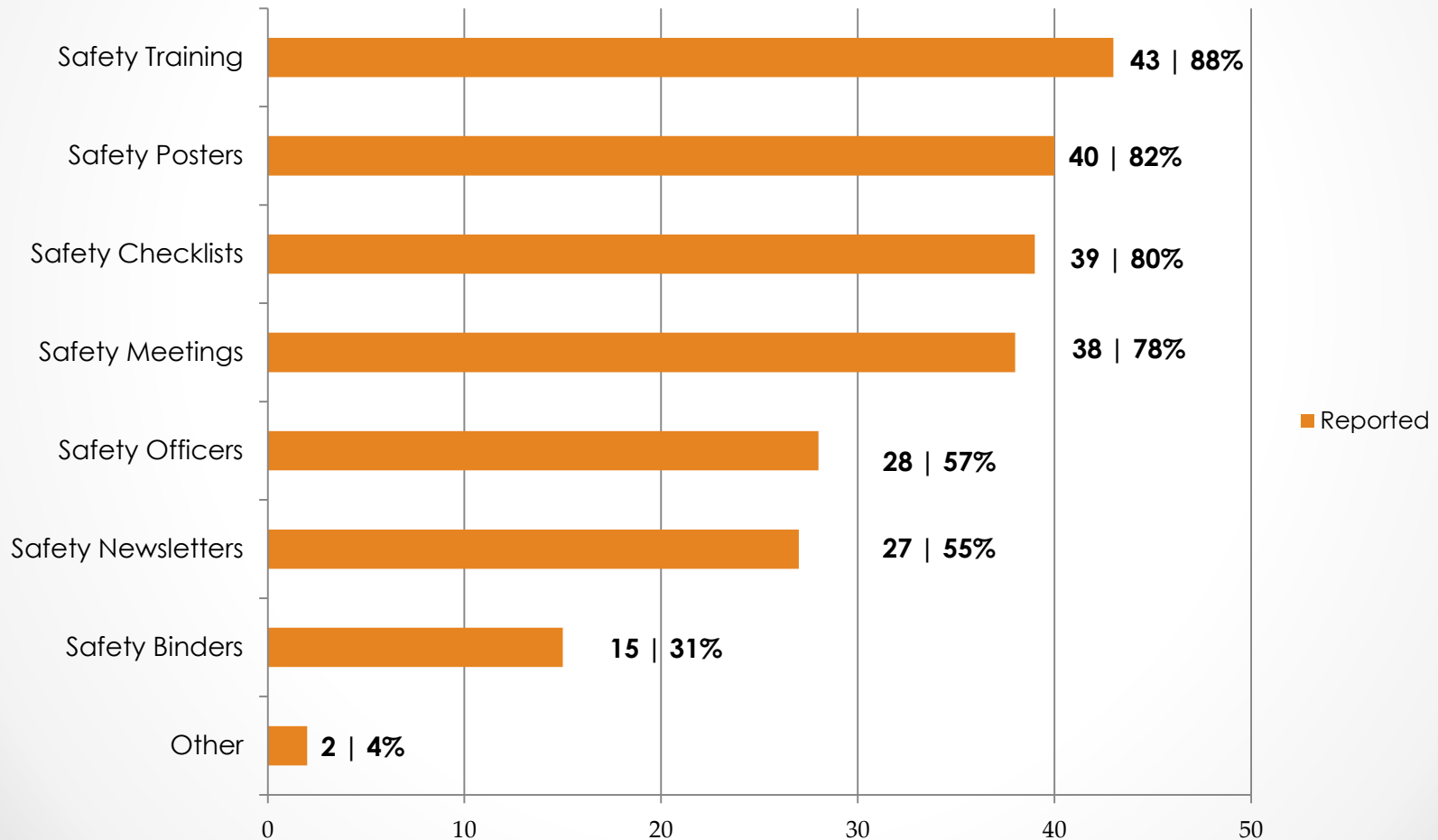
- Lack and Necessity
- Hindrances - Cost and Protection

## **Method**

- Survey: 16 questions
- AMTs (No certificates required)
- Curt Lewis Flight Safety Information Newsletter

# Common Safety Practices

## Number Reported



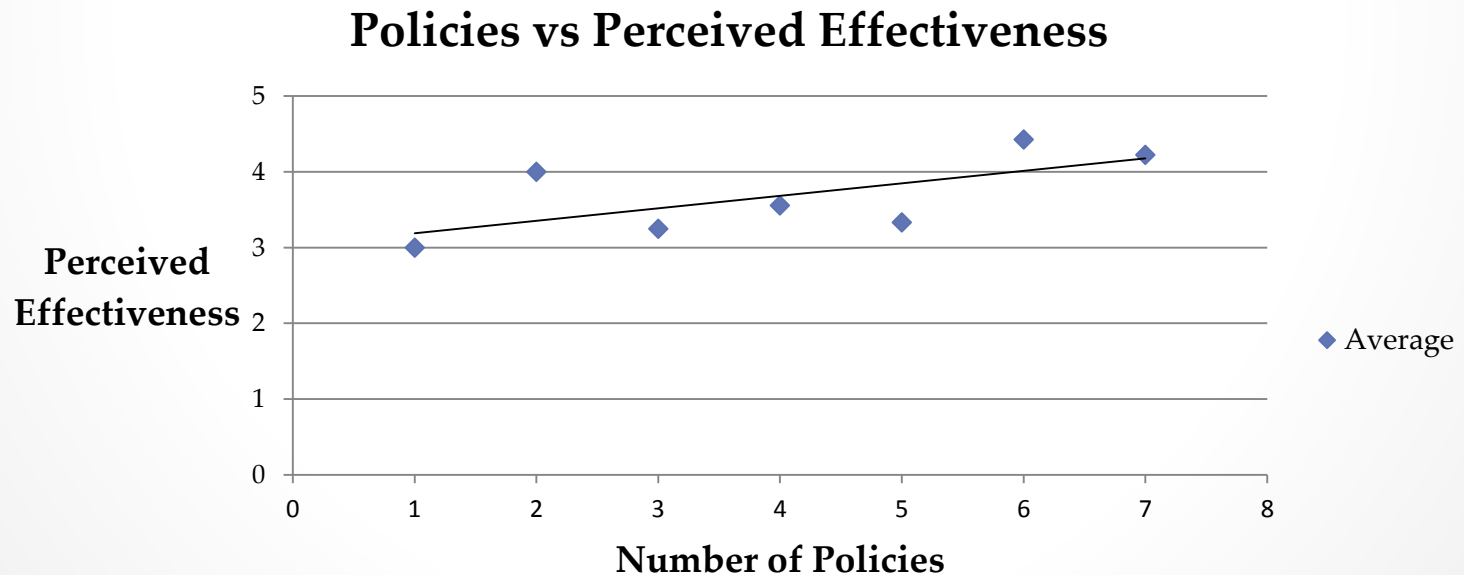
# Common Safety Practices

<b>Safety Training</b>			
	<b>Under 30</b>	<b>30 to 50</b>	<b>More than 50</b>
<b>Reported</b>	21	3	18
<b>Total population</b>	25	4	19
<b>% of population</b>	<b>84%</b>	<b>75%</b>	<b>94.7%</b>

<b>Safety Officer</b>			
	<b>Under 30</b>	<b>30 to 50</b>	<b>More than 50</b>
<b>Reported</b>	15	4	8
<b>Total population</b>	25	4	19
<b>% of population</b>	<b>60%</b>	<b>100%</b>	<b>42.1%</b>

# Effectiveness

- Among three groups (under 30, 30 to 50, 50+)...
- No difference in perceived effectiveness
- No difference in the average number of policies
- Correlation: more policies, perceived effectiveness



# Sufficiency

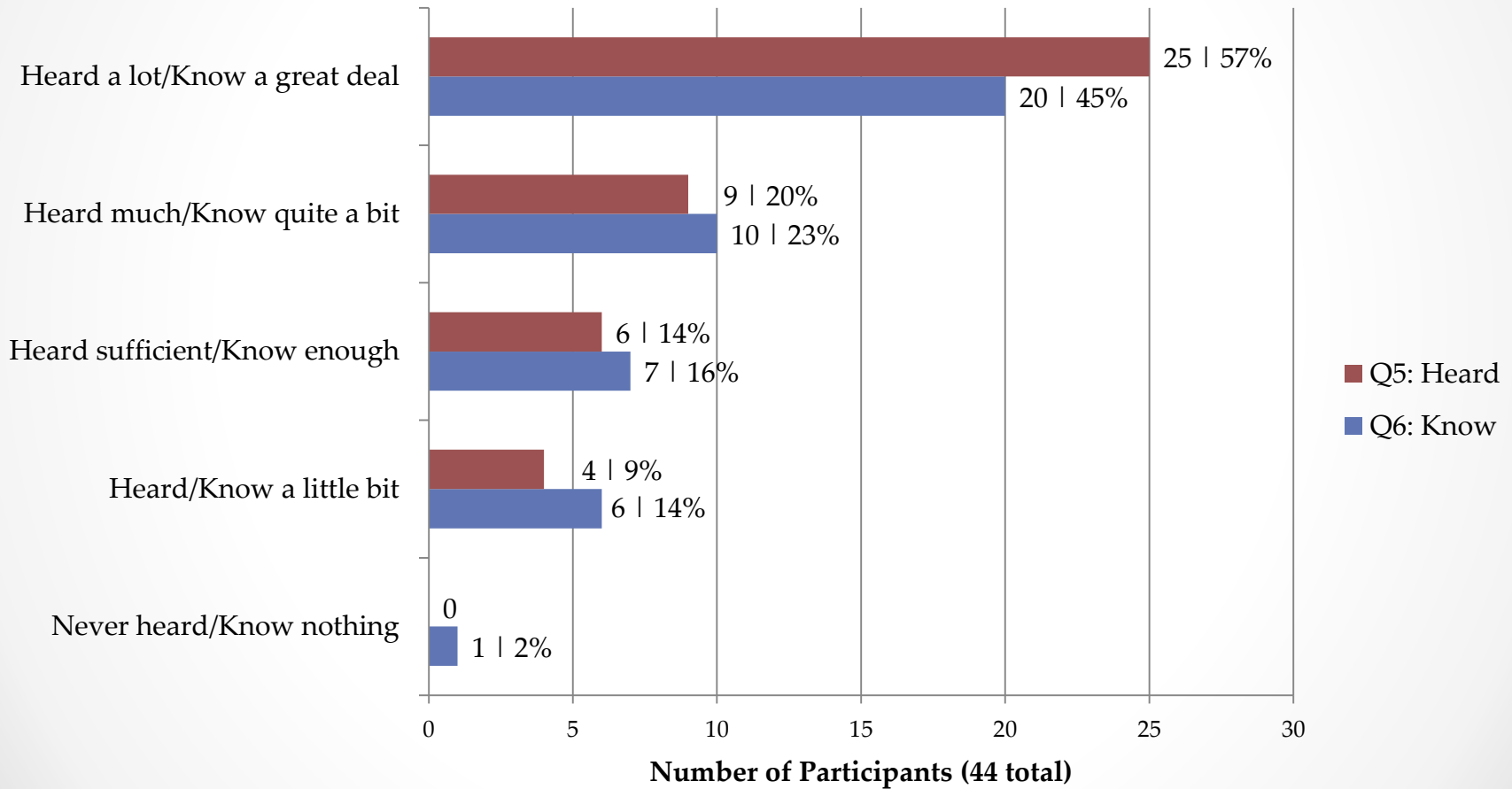
- Average among three groups: more than sufficient

SELECTION	RESPONSE
Needs much less	0
Needs slightly less	4
Sufficient	28
Needs slightly more	9
Needs much more	4
<b>Total</b>	<b>45</b>
<b>Mean</b>	<b>3.02</b>

Groups	Count	Average
Under 30	22	3.18
30 to 50	4	3.25
More than 50	18	3.44

# Awareness

- Correlation: Hear more = know more



# Cost

<b>Would be beneficial?</b>	
Strongly Disagree	0
Disagree	1
Neutral	7
Agree	16
Strongly Agree	21
<b>Total</b>	<b>45</b>
<b>Mean</b>	<b>3.92</b>

<b>Worth the cost?</b>	
Strongly Disagree	0
Disagree	3
Neutral	8
Agree	14
Strongly Agree	20
<b>Total</b>	<b>45</b>
<b>Mean</b>	<b>3.8</b>



# Anonymity, Immunity, and Protection

- Average is similar among the three groups

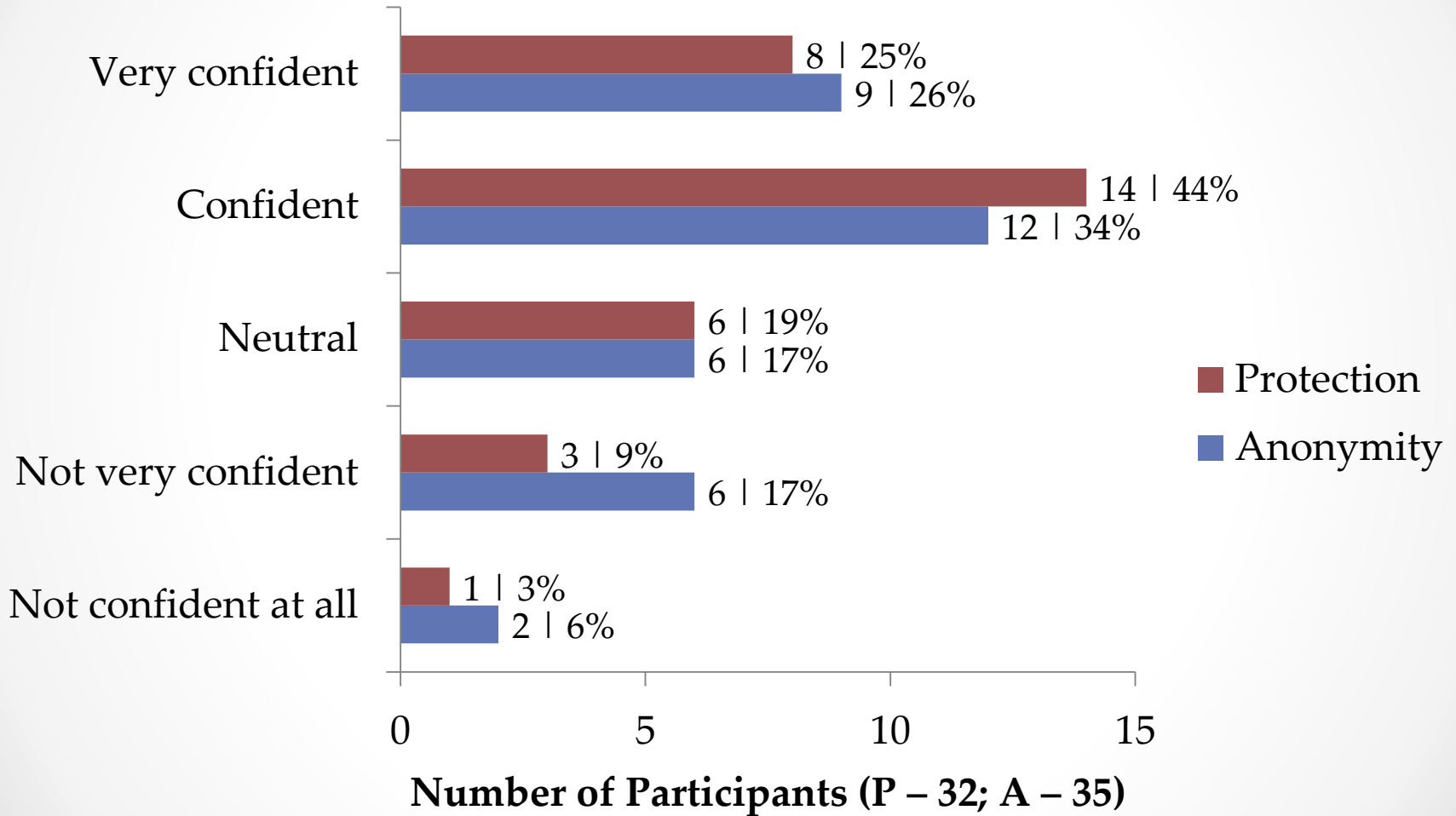
Are safety reports submitted anonymously?

	<b>Under 30</b>	<b>30 to 50</b>	<b>More than 50</b>
<b>Yes</b>	16 (73%)	3 (75%)	15 (83%)
<b>No</b>	6 (27%)	1 (25%)	3 (17%)
<b>Total</b>	22	4	18

Are you offered immunity and protection?

	<b>Under 30</b>	<b>30 to 50</b>	<b>More than 50</b>
<b>Yes</b>	15 (68%)	3 (75%)	13 (72%)
<b>No</b>	7 (32%)	1 (25%)	5 (28%)
<b>Total</b>	22	4	18

# Confidence



# Conclusion



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