



Singapore Healthcare
Management **2022**

Using e-Learning to improve culture on needle safety

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AIM

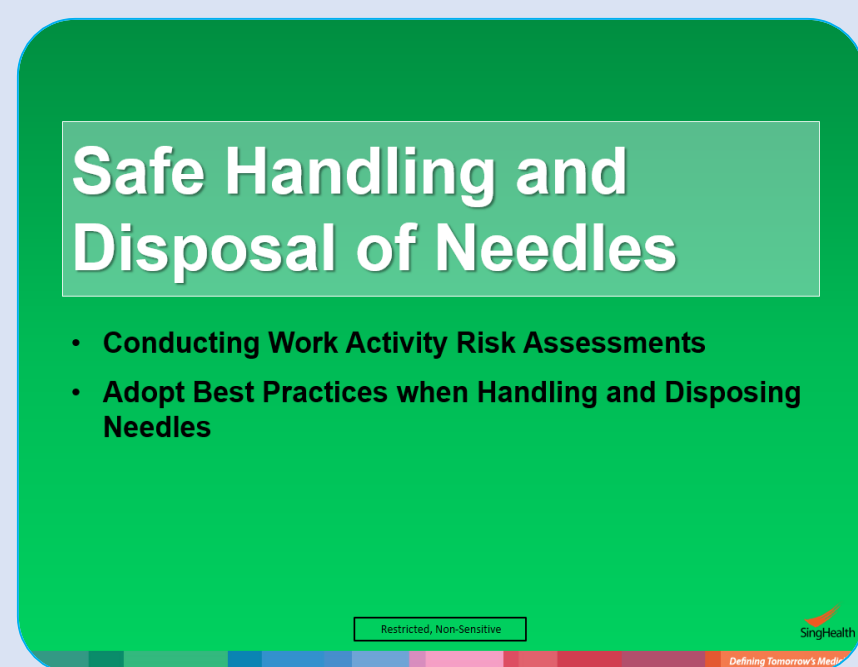
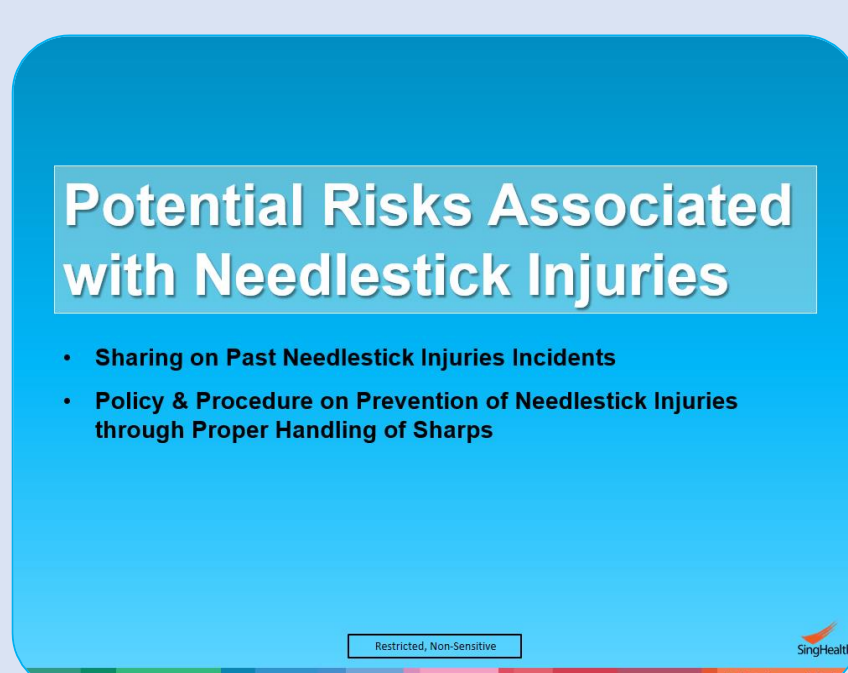
The high accumulative number of needle-stick injuries (NSI) over the years and increased in workplace environmental health and safety (WEHS) inspection findings on recapped needles in 2020 suggested that more needs to be done to boost up the level of needle safety awareness in research labs. With this aim in mind, Office of Biosafety (OoB) Needle Safety Workgroup developed an online engaging and intuitive e-learning course titled 'Needle Safety in Research Laboratories' in May 2021.

METHODOLOGY

The workgroup developed the eLearning course based on the following foundation:

Intuitive

Direct key points & contents for ease of learning



Engaging

Videos of reenacted common lab situations with
narration & text



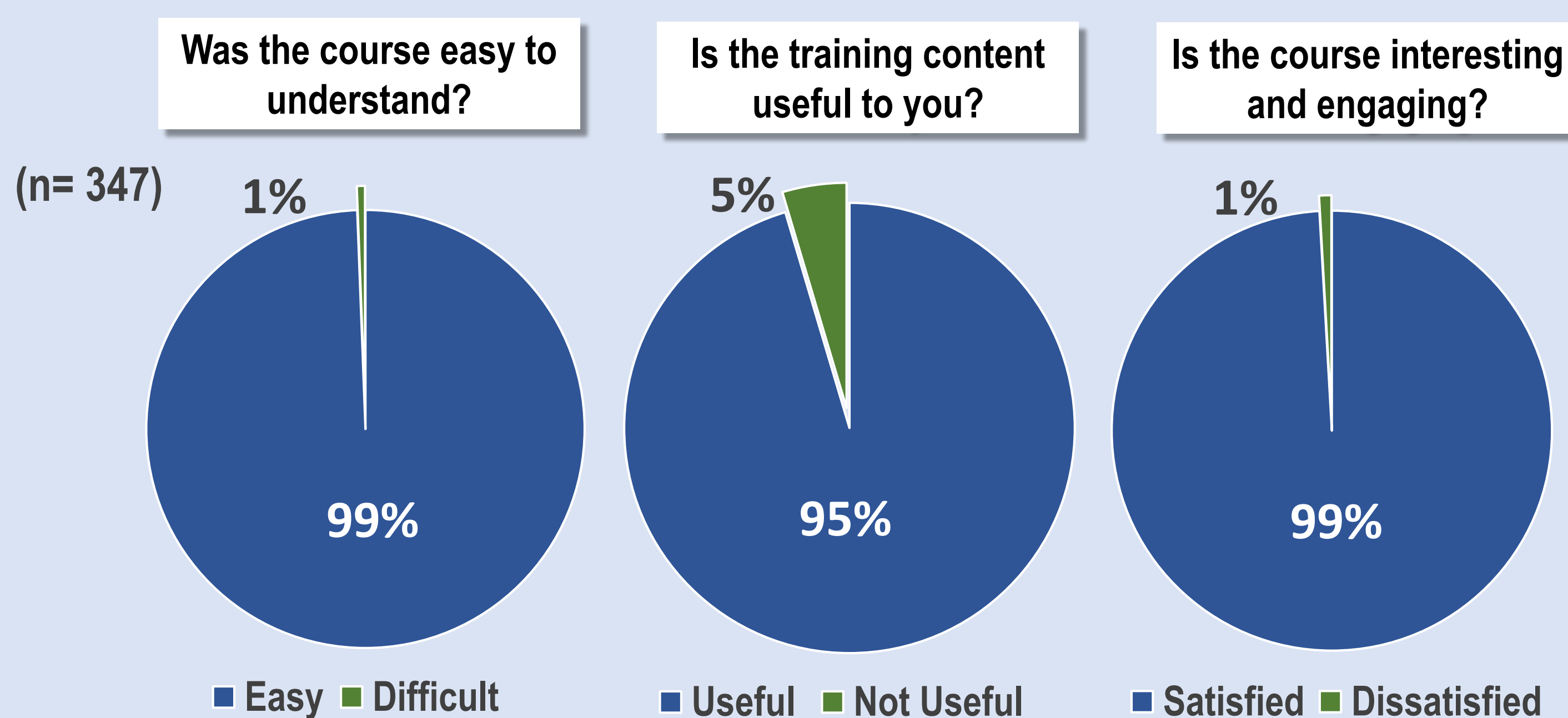
Support

To achieve unanimous decision from SingHealth
IBC Management Representatives to make the
eLearning mandatory



RESULTS

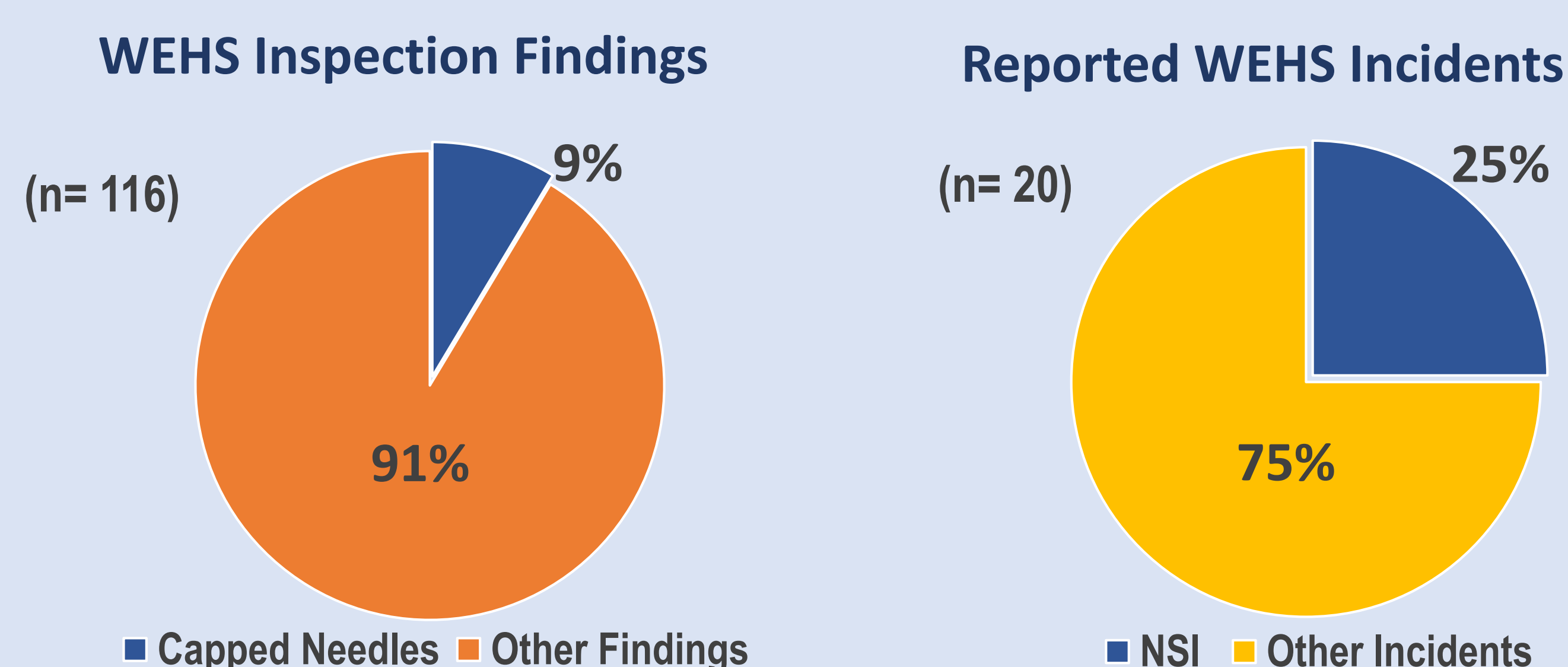
eLearning course was well received by learners:



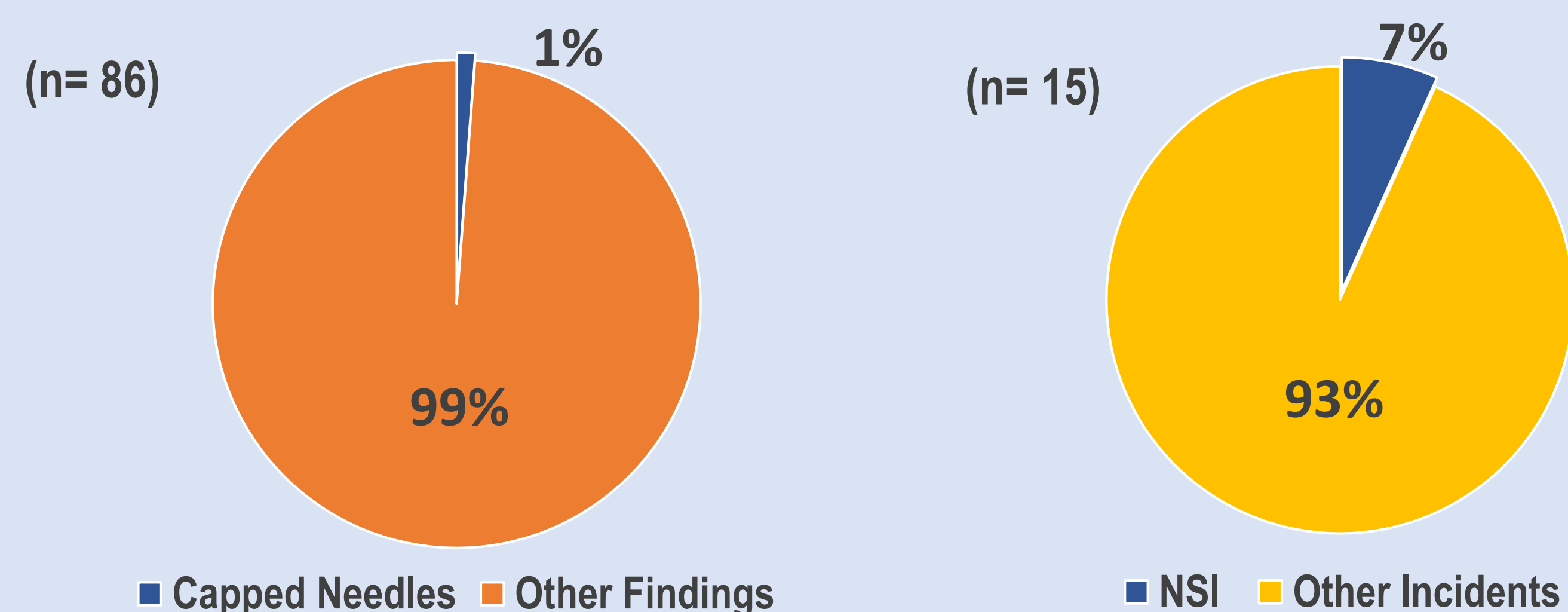
Feedbacks from learners:

- This course is well designed.
- Very concise and well-made. Examples are all relevant.
- Very helpful and applicable to work.
- The course covers the subject matter well.
- The module is very informative for new researchers.

2020 - Before Course Launched



2021 - After Course Launched



CONCLUSION

Making use of verbal and visual cues allow learners to retain information better and able to apply the information instinctively, resulting in using needles safely in the course of their work.

We are optimistic that the eLearning course will contribute to improving safety culture in handling of needles in the research laboratories.

