

Education needs judging from the acquisition of Non -Technical Skills of First-year Nurses

Saeko KINUGAWA and Noriko KROSAWA

Division of Nursing faculty of Nursing, Tokyo Healthcare University

Aim

To investigate the use of non-technical skills (NTS) by first-year nurses and to identify educational needs for improving skills.

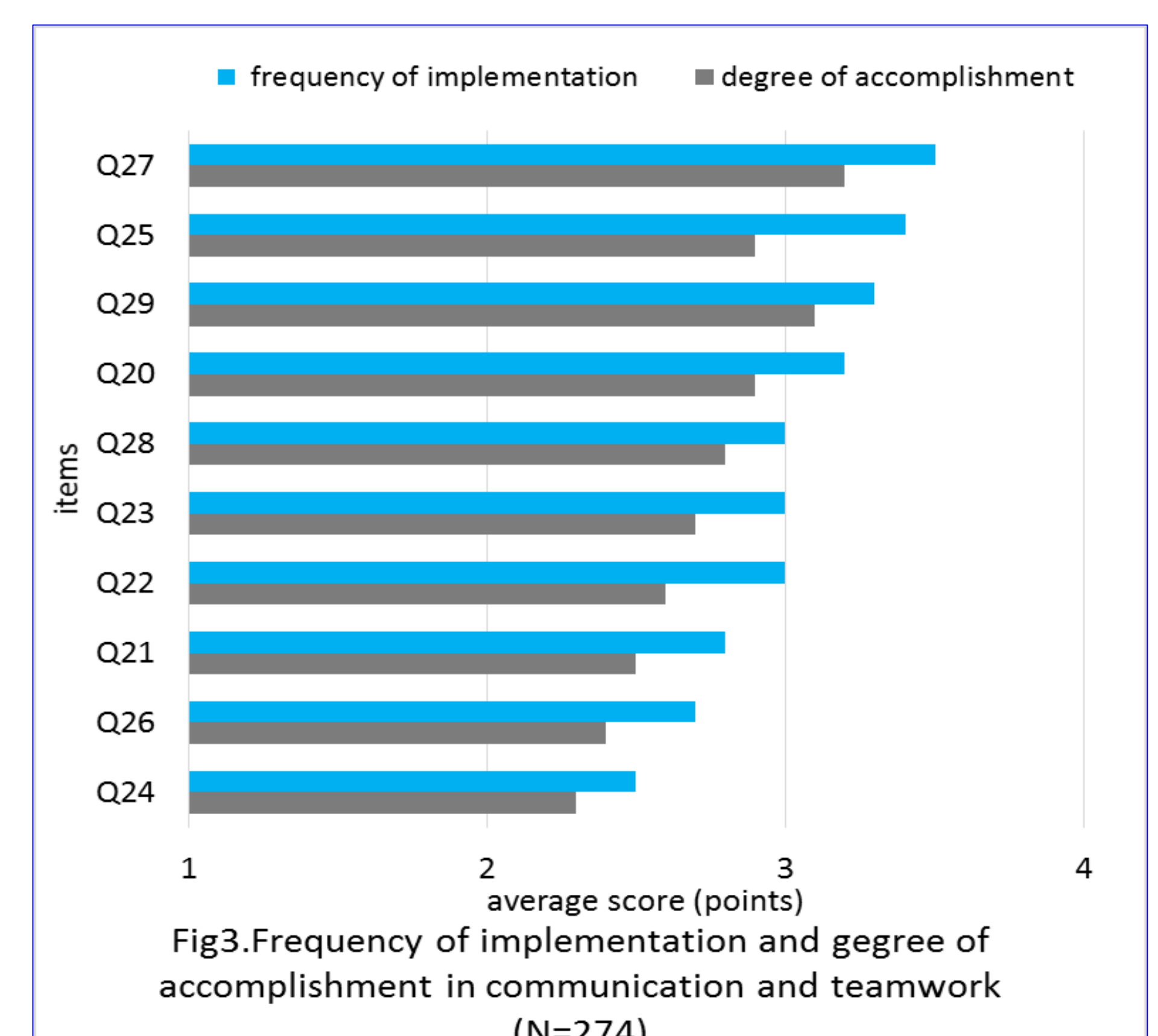
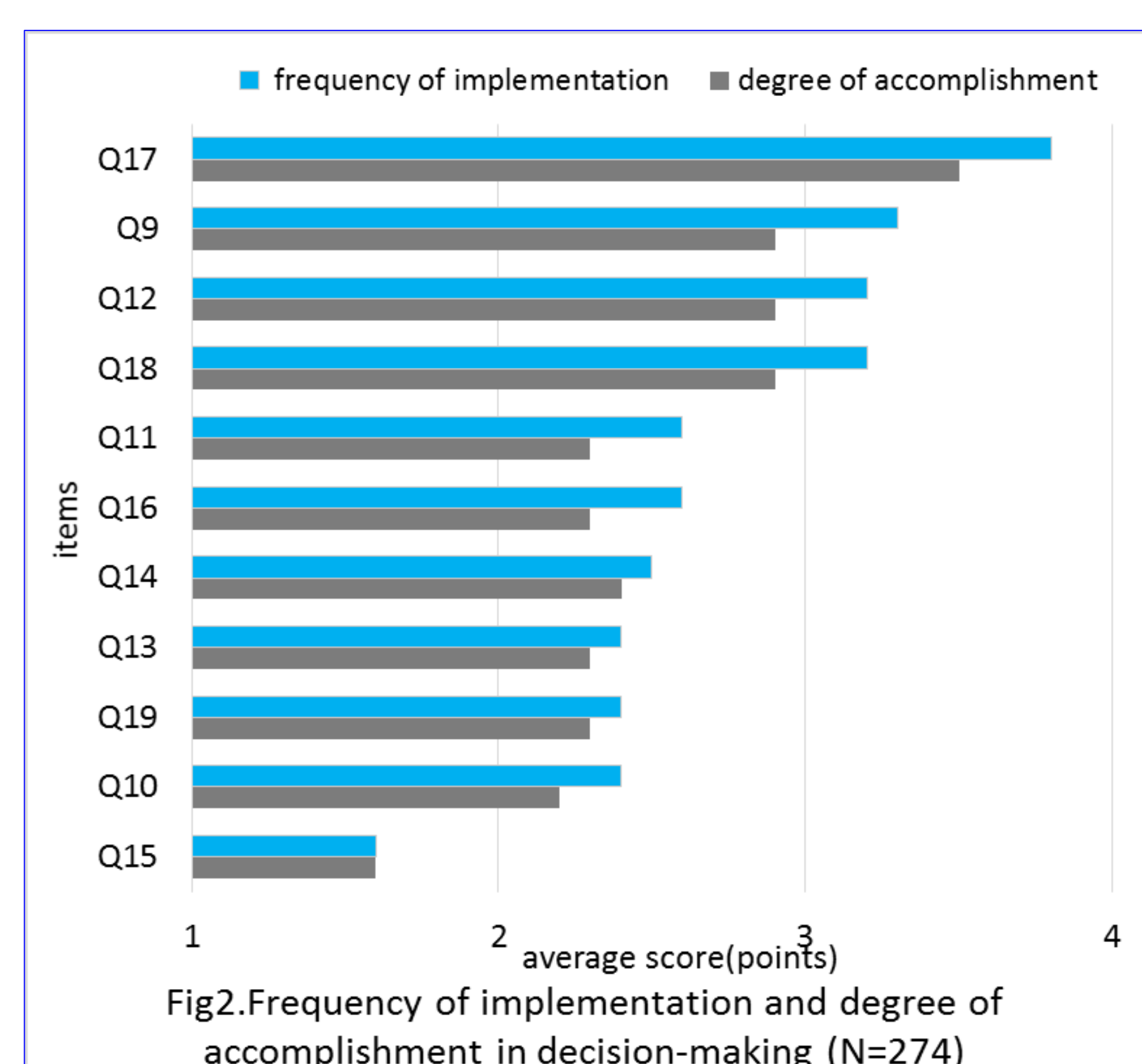
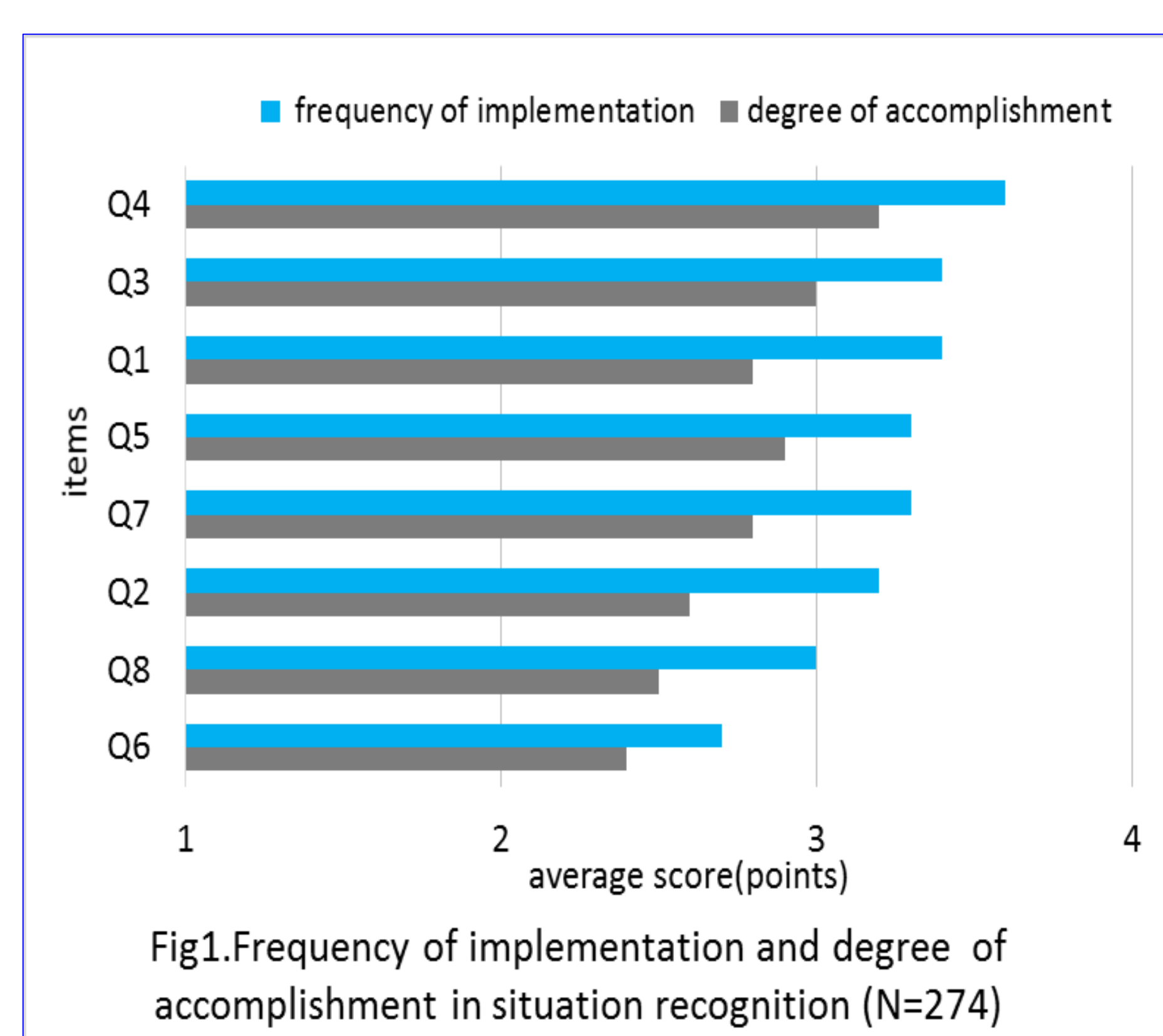
Results

We received 280 replies (collection rate: 48.9%) and analyzed 274 valid responses. The average age of the participants was 23.8 years old (SD=4.1). 245 of them were nurses (89.7%) who have managed IVs 30+ times. 86 respondents (31.9%) had experienced one incident/accident, and 92 respondents (34.1%) had experienced one more than twice.

For “situation recognition”, more than 60% of respondents frequently used NTS and stated that they were “somewhat confident” with them. “Clarifying the problem” and “decision-making” NTS showed the lowest frequency at 40%, and 60% of respondents answered they were “not confident” with them. “Communication and teamwork” NTS were implemented with a high frequency at 70%, however the answer “confident” remained at 50% for them.

Methods

We asked participants to answer 29 items on the use of intravenous drip management NTS via anonymous, self-contained questionnaires sent by mail to first-year nurses at 22 hospitals in February 2017. It consisted of 8 items on “situation recognition”, 11 on “decision-making” and 10 on “communication and teamwork”. We requested they answer each respective set with “frequency of implementation” and “degree of accomplishment” on 4-point Likert scales.



Conclusion

First-year nurses use “decision-making” NTS for IV management infrequently and tend to not be confident with them. This shows the necessity of considering an educational program that emphasizes “decision-making” NTS in the future.

* There is no conflicts of interest matters in this research.
✂ This work was supported by the furtherance of the research Expenses in International University of Health and Welfare studies.