

# Optimizing Nursing Roles in Nuclear Medicine Therapy: A Survey on Clinical Practice, Safety, and Interdisciplinary Collaboration

KAUSALYAH RAMASAMY  
CANCER CENTRE, SUNWAY MEDICAL CENTRE

## INTRODUCTION

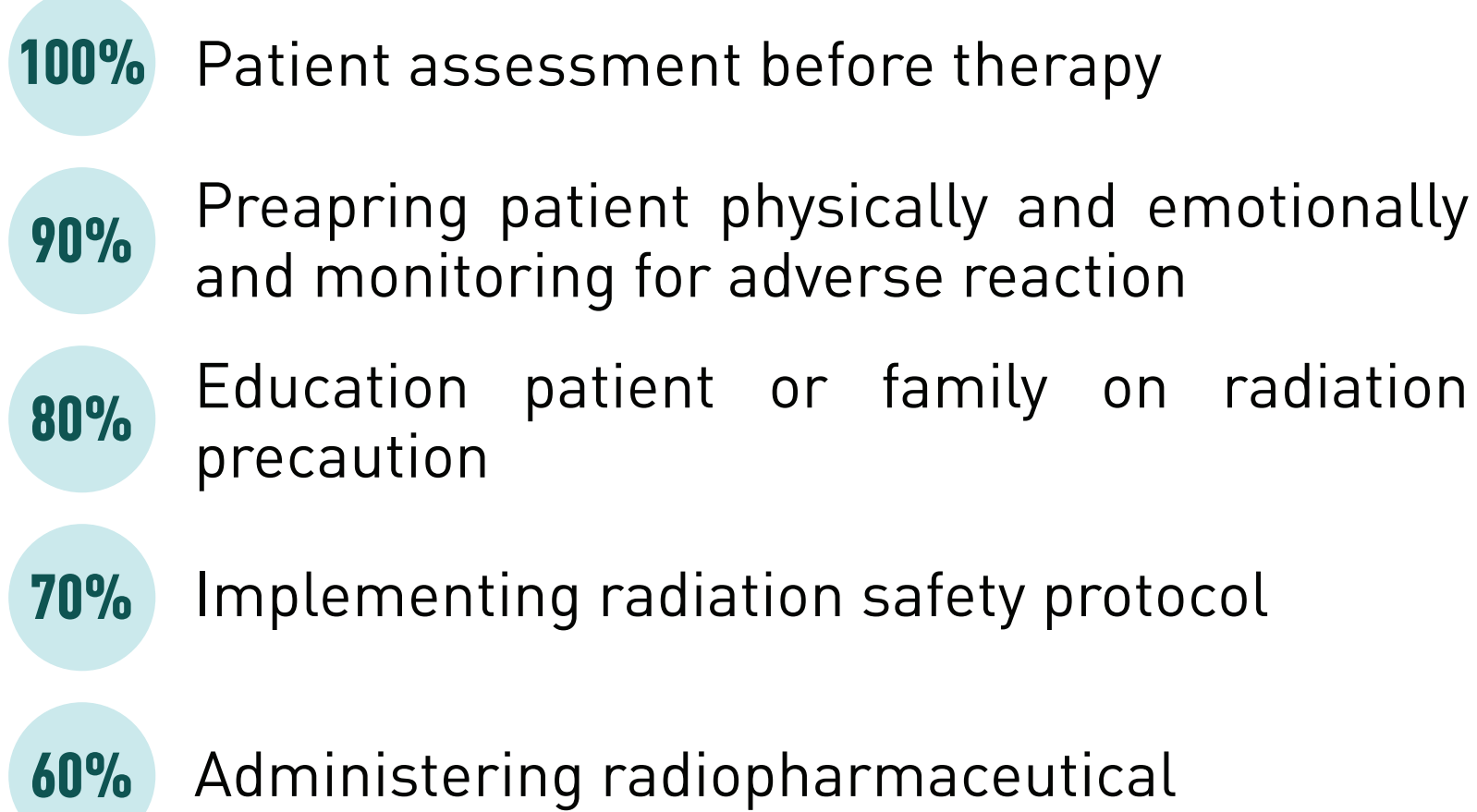
Nurses are integral to the success of nuclear medicine (NM) therapies, ensuring patient safety and treatment efficacy. Their multifaceted responsibilities include patient assessment, radiopharmaceutical handling, radiation safety, and collaboration with multidisciplinary teams. This study aimed to evaluate current nursing practices in NM settings.

## METHOD

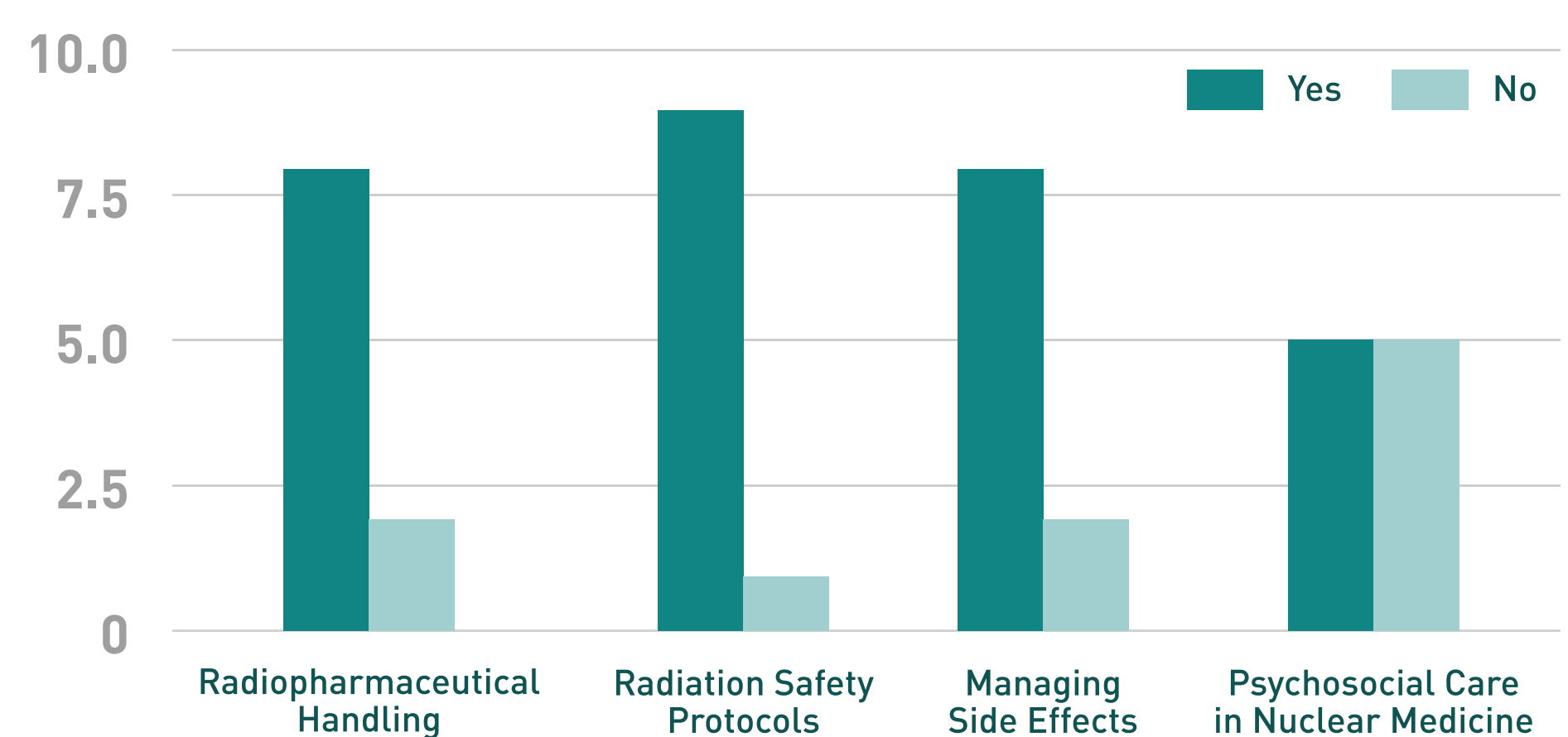
A survey was conducted among nurses working in nuclear medicine department. The questionnaire evaluated key aspects of nursing practice including patient preparation, administration of radiopharmaceuticals, monitoring for adverse reactions, adherence to radiation safety protocols, patient education, multidisciplinary collaboration, and training background.

## RESULTS

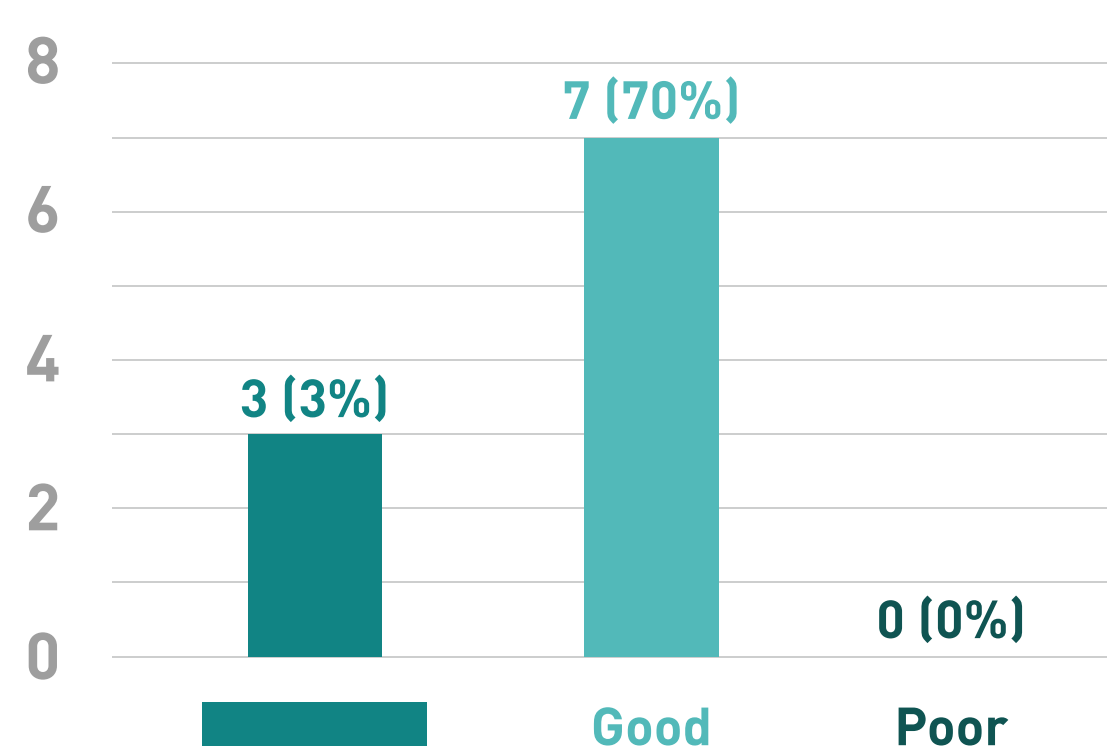
### Key Responsibilities of Nurses



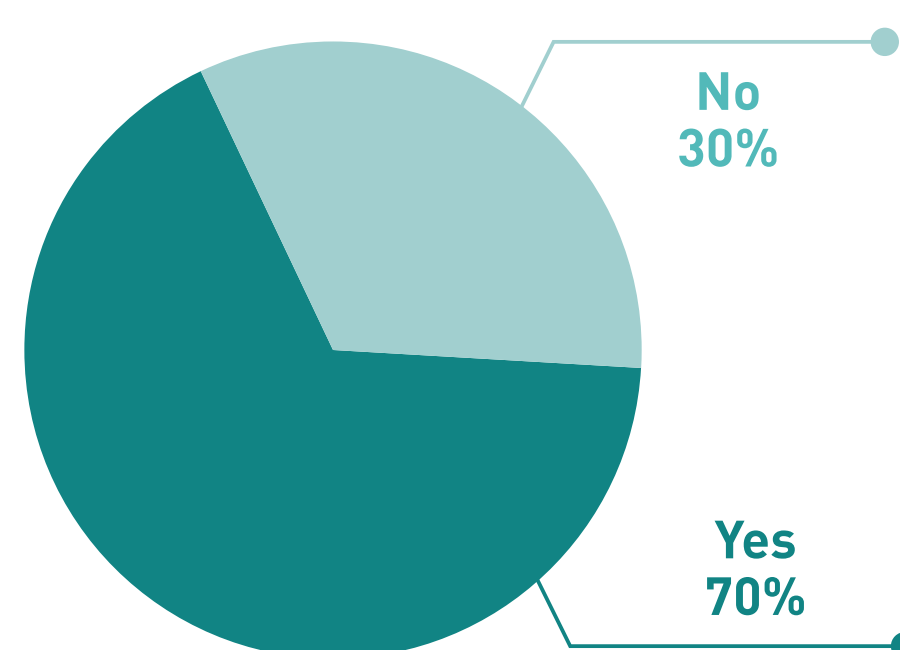
### Education and Training Needs



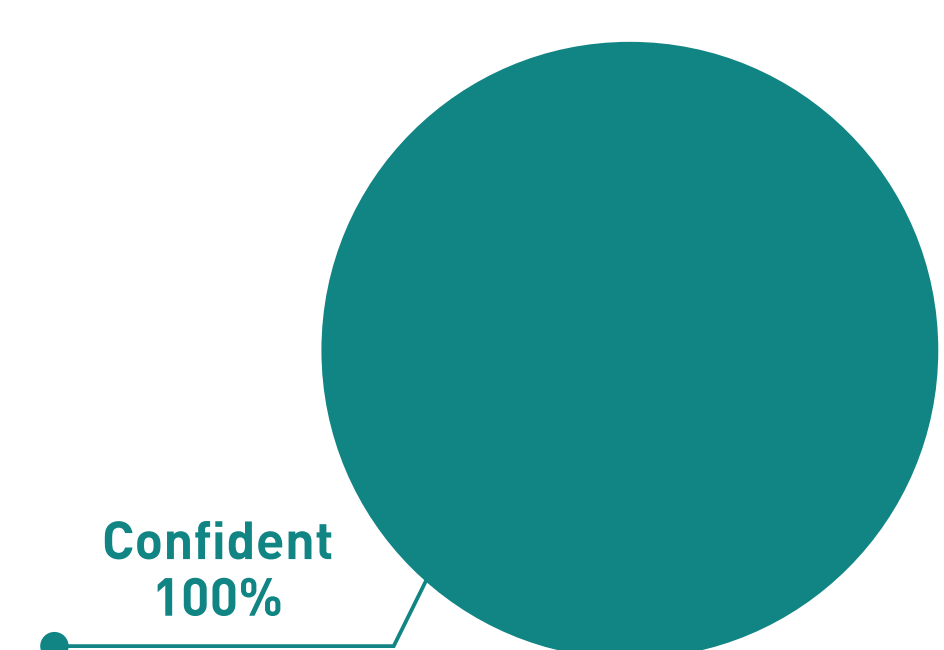
### Role of Nurses - Multidisciplinary Collaboration



### Are nurses routinely included in planning discussions or clinical decisions for radiopharmaceutical patients?



### Psychosocial and Emotional Support



## CONCLUSION

Nurses play a pivotal role in the delivery of NM therapies, demonstrating strong engagement in clinical care, patient safety, and interprofessional collaboration. However, the identified gap in psychosocial care training underscores the need for more holistic, patient-centered educational programs.

Strengthening competencies through targeted training will further enhance the quality and safety of NM services.

## REFERENCES

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2. Harris, S.J., Crowley, J. and Warden, N. (2023) 'Radiopharmaceutical administration practices—Are they best practice?', *Frontiers in nuclear medicine*, 3. Available at: <https://doi.org/10.3389/fnume.2023.1244660>.

