

EVALUATION OF HEALTHCARE WORKERS' KNOWLEDGE OF HAND HYGIENE IN A TERTIARY HEALTHCARE FACILITY IN NAIROBI, KENYA

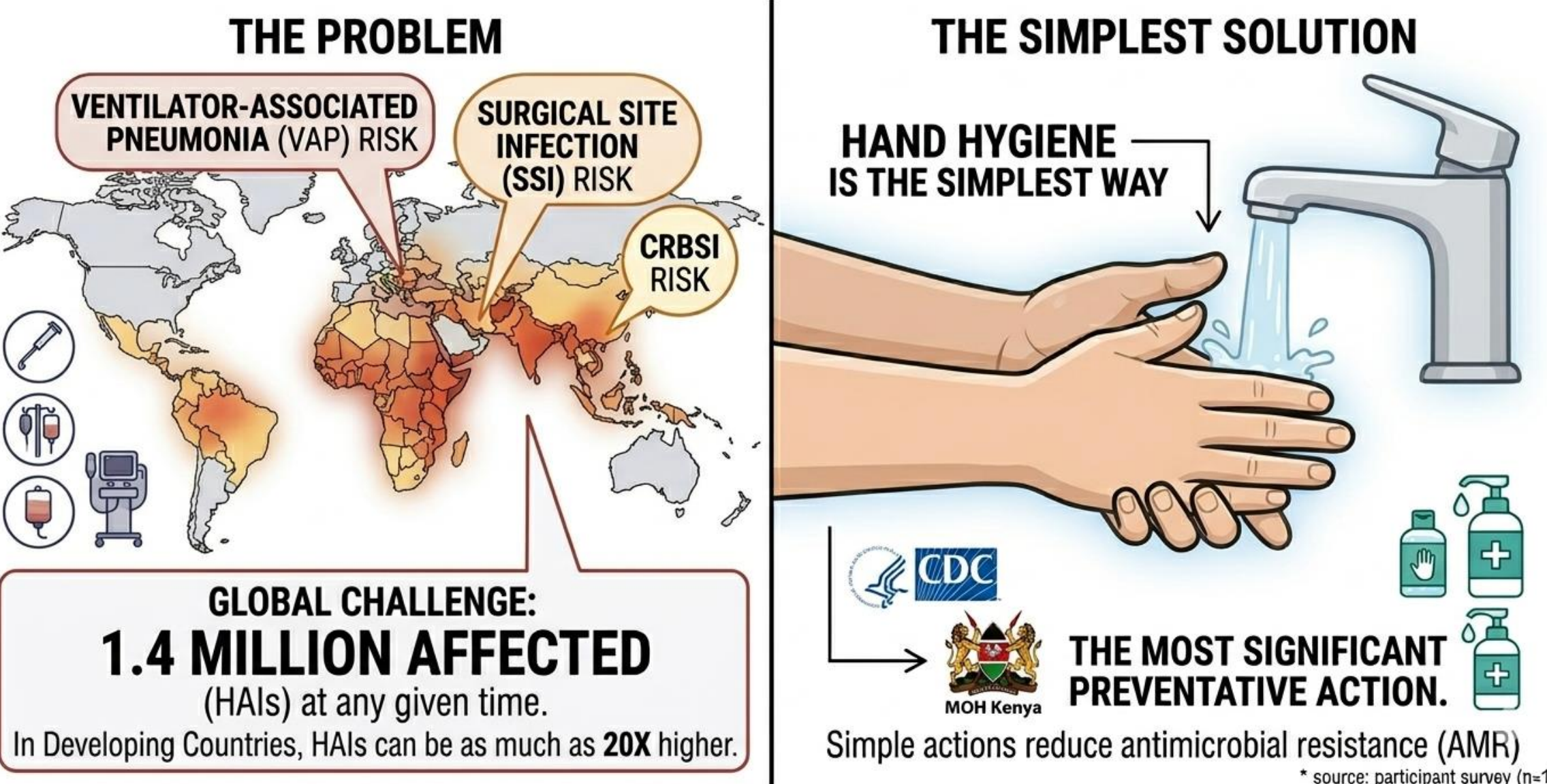


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INTRODUCTION

- Hand hygiene includes hand washing with soap and water, antiseptic rubs, and surgical antisepsis.
- Though critical for preventing healthcare-associated infections (HAIs), provider knowledge and compliance remain low in developing countries.

THE GLOBAL CHALLENGE: HEALTHCARE-ASSOCIATED INFECTIONS & HAND HYGIENE

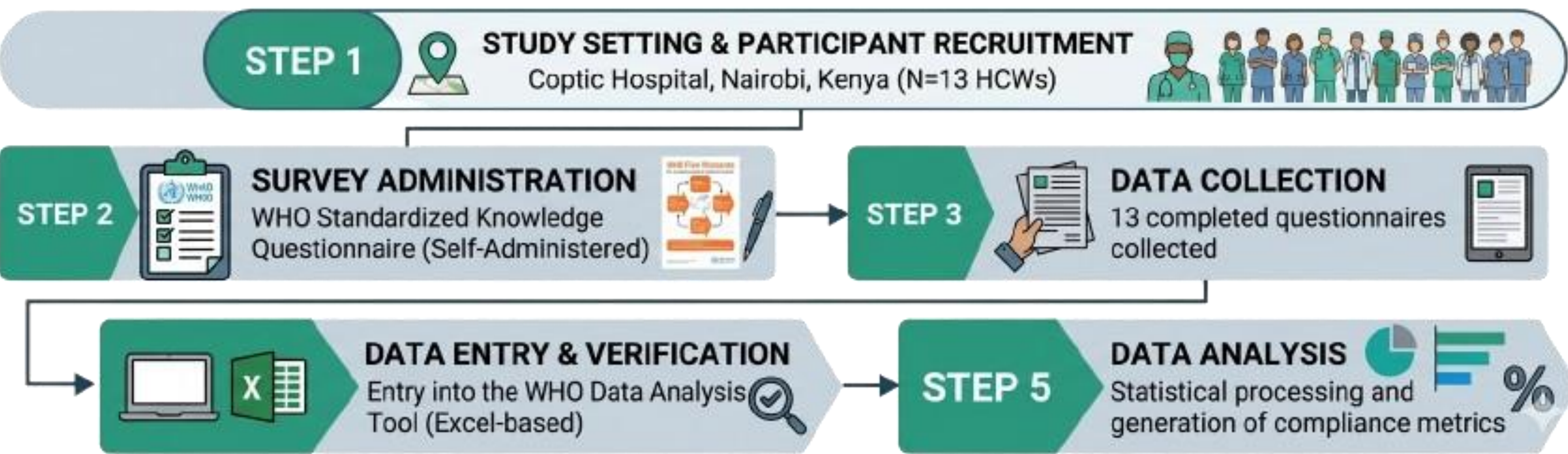


- Therefore, the objective of this study was to evaluate hand hygiene knowledge among healthcare workers (HCWs)



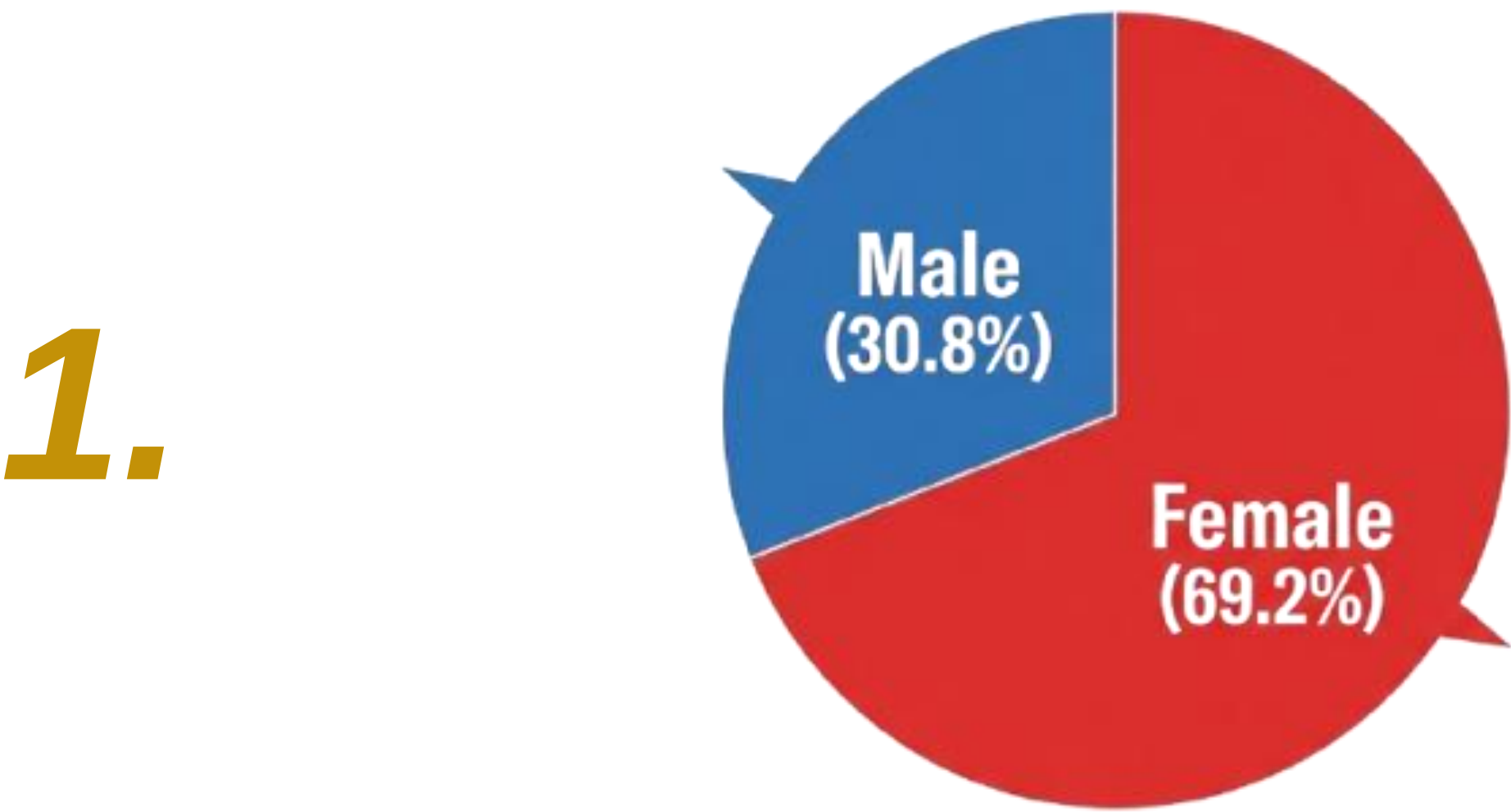
MATERIALS AND METHODS

METHODOLOGY SCHEMA: WHO HAND HYGIENE KNOWLEDGE SURVEY (N=13)

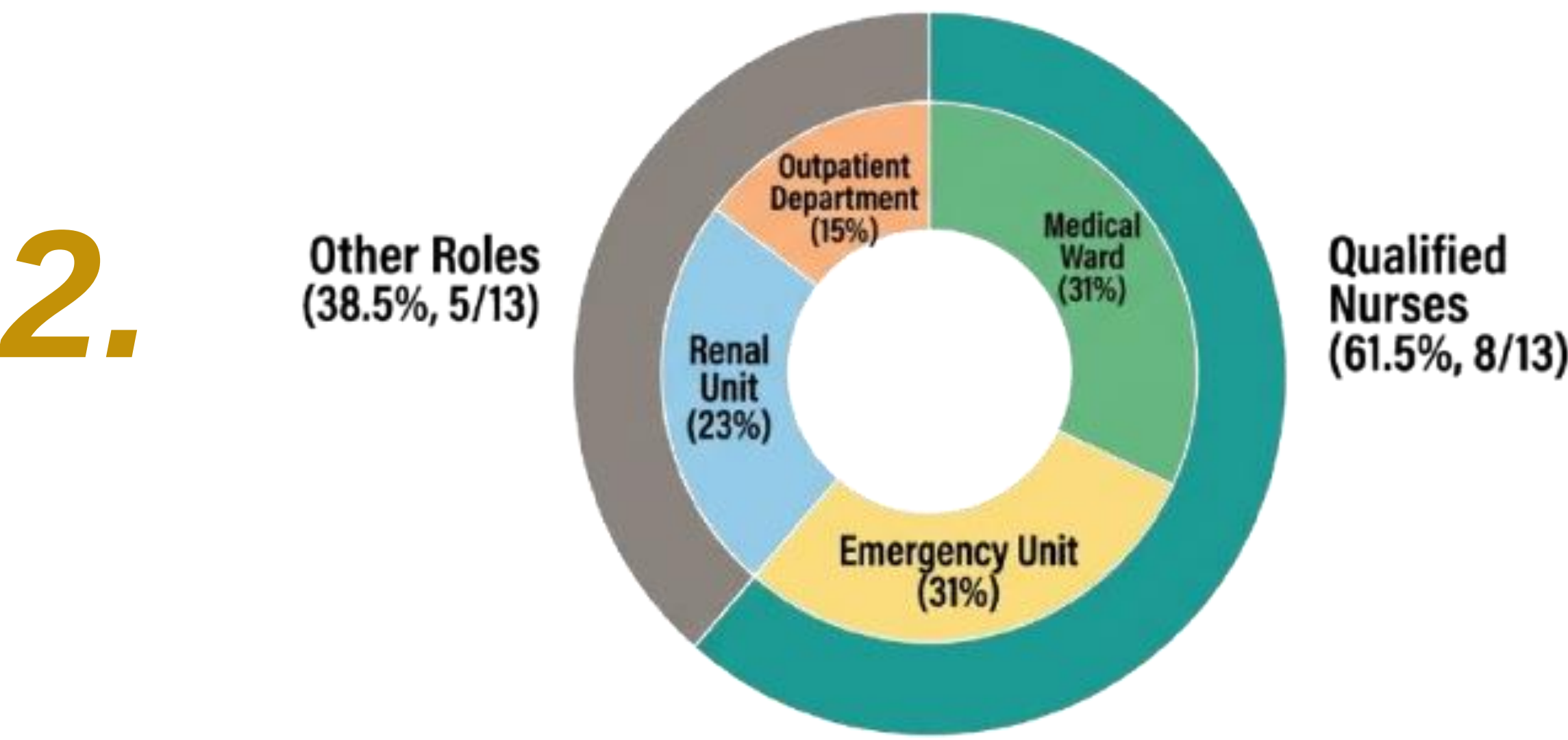


RESULTS

GENDER DISTRIBUTION OF PARTICIPANTS (n=13)



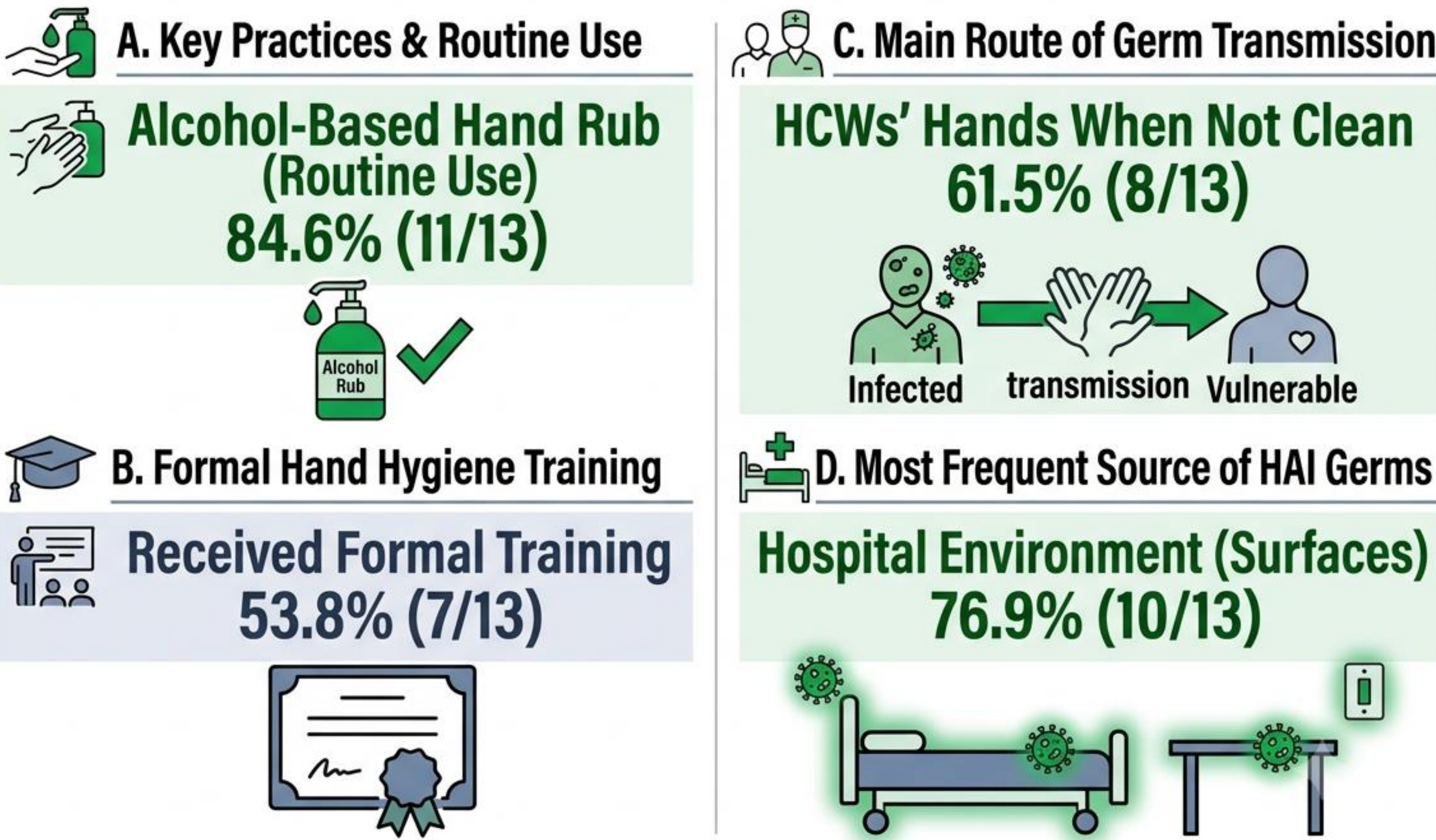
PARTICIPANT ROLE & DEPARTMENTAL DISTRIBUTION (n=13)



RESULTS CONT'D

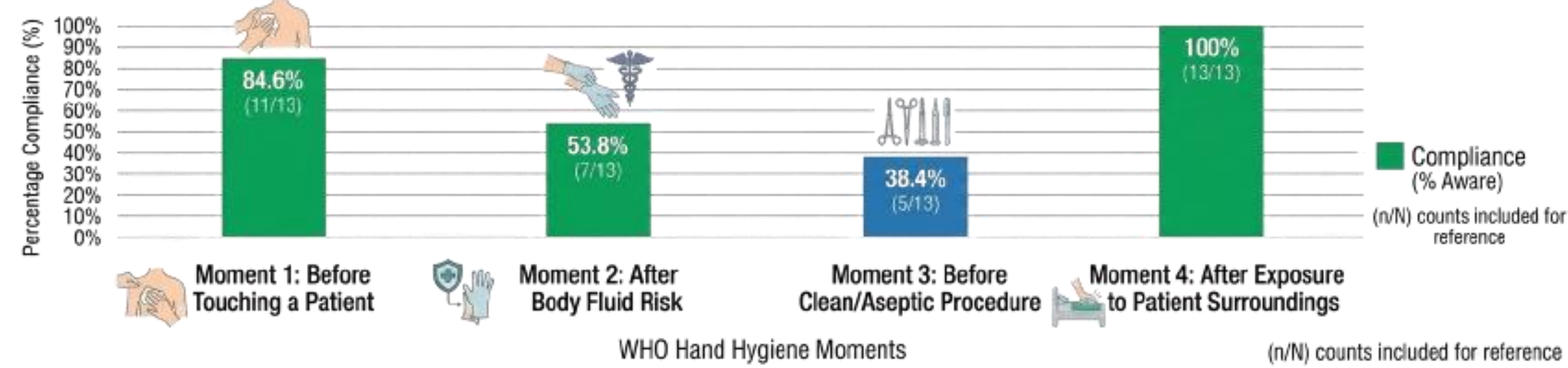
3.

PARTICIPANT HAND HYGIENE KNOWLEDGE AND PRACTICE PROFILE (n=13)



4.

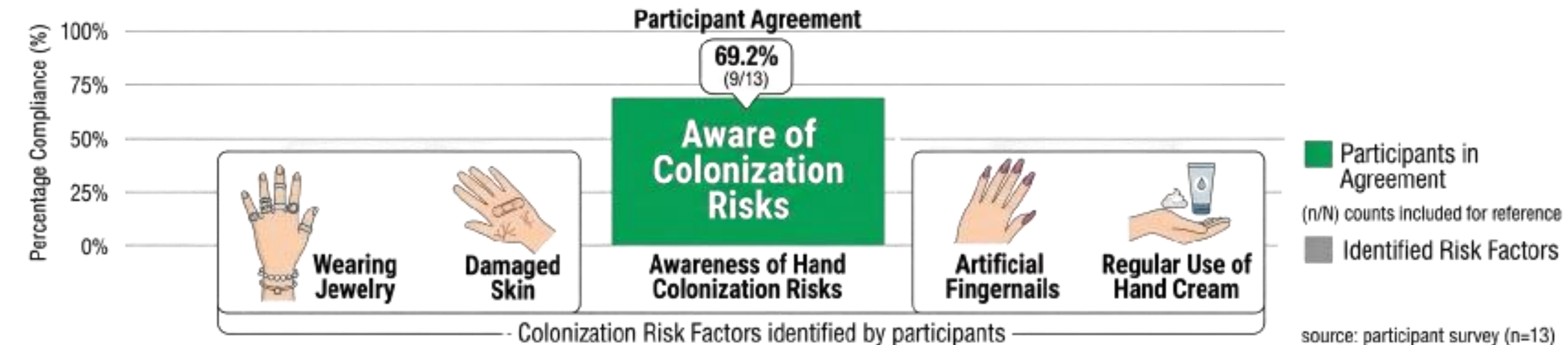
WHO MOMENTS OF HAND HYGIENE: PERCENTAGE COMPLIANCE (N=13)



Critical Knowledge Gap & Insight: A SEVERE KNOWLEDGE GAP IS IDENTIFIED BEFORE CLEAN/ASEPTIC PROCEDURES (ONLY 38.4% AWARE), POISING THE HIGHEST PATIENT RISK DURING INVASIVE INTERVENTIONS.

5.

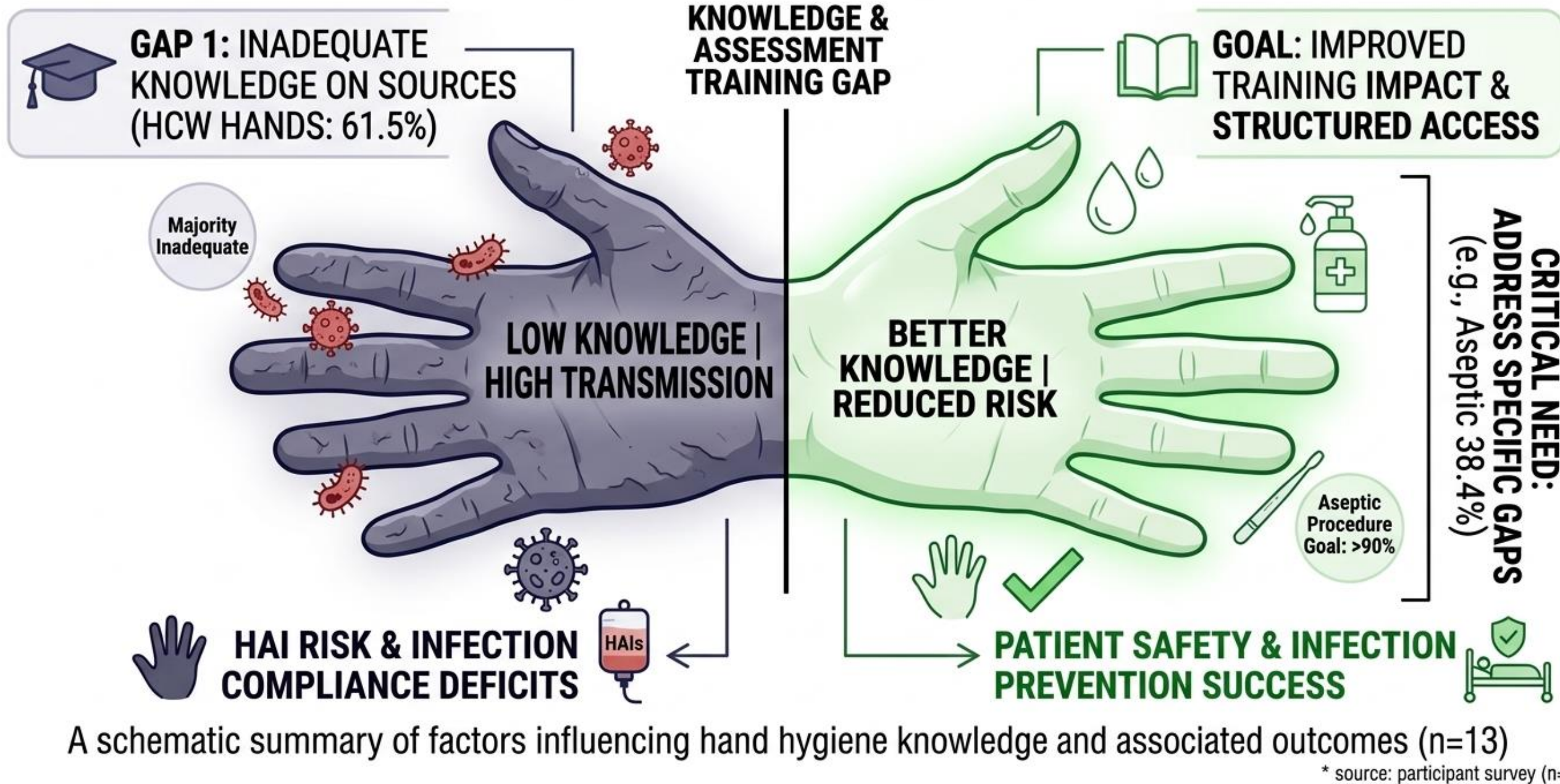
HAND COLONIZATION RISKS: PARTICIPANT AWARENESS (N=13)



Critical Knowledge Gap & Insight: OVER 69.2% (9/13) OF PARTICIPANTS REVEALED THAT WEARING JEWELRY, DAMAGED SKIN, ARTIFICIAL FINGERNAILS, AND REGULAR USE OF HAND CREAMS SHOULD BE AVOIDED, AS ASSOCIATED WITH A LIKELIHOOD OF COLONIZATION OF HANDS WITH HARMFUL MICROORGANISMS.

CONCLUSIONS

HAND HYGIENE KNOWLEDGE-TRANSMISSION AXIS (N=13)



- Knowledge gaps** were identified in cross-transmission and critical hand hygiene moments.
- Targeted, continuous training** is needed to strengthen hand hygiene knowledge and infection prevention practices.
- Findings should be interpreted with caution due to the **small sample size**; **larger multicenter studies** are needed for validation.

ACKNOWLEDGEMENTS

I am grateful to all the study participants involved in the knowledge on hand hygiene study. The completion of this educational project was accomplished with the help and support of colleagues.