

Supplementary materials

Survey instrument (full questionnaire)

This document contains the complete set of survey items used in the national study conducted among Italian Emergency Medicine residency programs in 2022 and 2024, as part of the SIMinMEU project. The aim of the survey was to explore the presence and characteristics of simulation-based education (SBE) in postgraduate Emergency Medicine training, including its frequency, modalities, integration into curricula, infrastructure availability, and faculty expertise.

Below is the full list of questions provided to respondents (originally in Italian).

1. Which Emergency Medicine residency program are you enrolled in?
2. Is simulation used as part of the assessment process in your annual exams?
3. Are interdisciplinary simulation sessions (e.g., involving nurses or other professionals) carried out?
4. How many simulation sessions are organized per year for first-year residents?
5. How many simulation sessions are organized per year for second-year residents?
6. How many simulation sessions are organized per year for third-year residents?
7. How many simulation sessions are organized per year for fourth-year residents?
8. How many simulation sessions are organized per year for fifth-year residents?
9. What type(s) of simulation does your program currently offer?
10. Within the skills lab, which procedures are commonly practiced?
11. On average, how long does each simulation session last?
12. Does your program have access to a dedicated simulation center?
13. If not, where are the simulation sessions carried out?
14. Are the simulation facilitators formally trained or certified?
15. What type of training or certification have the facilitators received?
16. If there are no certified facilitators, who usually leads the simulation sessions?
17. Is simulation used in your program for research purposes?
18. Is simulation formally included in the curriculum as a method of teaching?
19. Are topics such as Crisis Resource Management (CRM), non-technical skills, leadership, and communication addressed during simulation sessions?
20. How would you rate the overall quality of simulation training in your program?
21. Which certified courses are offered during your residency (e.g., ALS, ACLS, PHTLS, PALS)?
22. Please provide any additional comments or detailed evaluation of simulation in your program.