

Emergency Department Preparedness Trainings in New York State: A Needs Assessment

UAlbany Center for Public
Health Preparedness

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Survey Distribution & Collection

- ❑ 1150 surveys sent to 33 hospitals in the Capital and Central regions of upstate NY
- ❑ 230 surveys returned (20% response rate)
- ❑ Surveys returned from the following zip codes: Binghamton, Albany, Syracuse, Elizabethtown, Watertown, Utica, Ithaca, Saratoga Springs, Plattsburgh and the mid-Hudson regions.

Results



Results: Demographics

□ Current position

- 61% Nurses
- 27% Primary Care Providers (PCPs)
- 12% support staff (includes safety, administrative, technical and clerical staff)

□ Gender

- 66% Female
- 44% Male

□ Type of employee

- 83% Full time
- 17% Part time/ Per diem

□ Shifts

- 48% Days
- 30% Rotating
- 22% Evenings/ Nights

Results: Demographics

□ Age

- 20% (20-39)
- 68% (40-59)
- 3% (60+)

□ Years in current position

- 23% (0-3)
- 27% (4-10)
- 50% (>10)

□ Active Beds

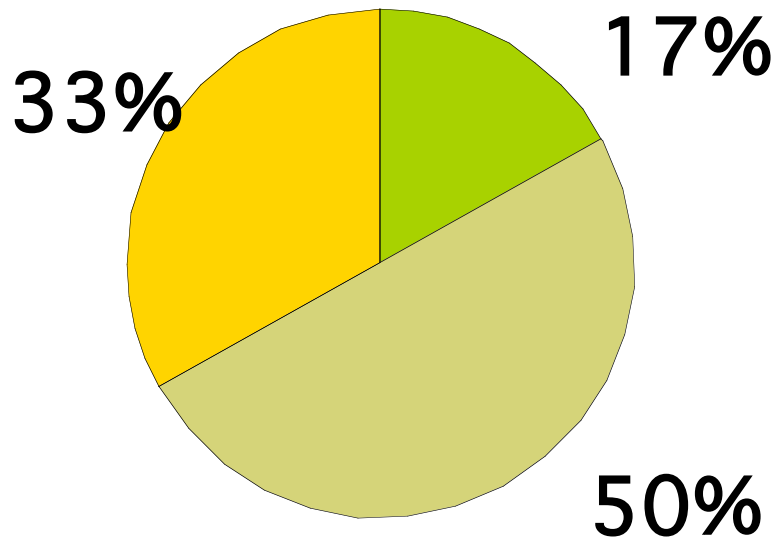
- 49% (<101)
- 23% (101-200)
- 28% (>200)

□ Percentage of shifts worked on weekends

- 16% (0%)
- 73% (20-40%)
- 8% (60-80%)
- 3% (100%)

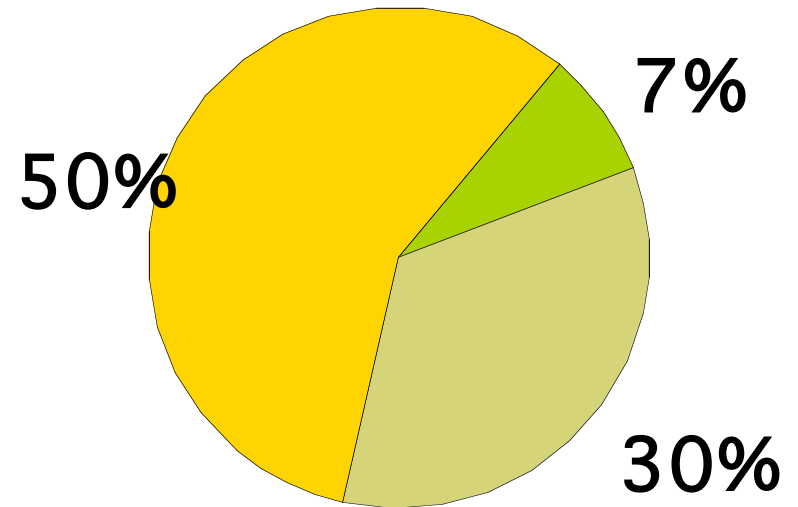
How often do you think about the possibility of a terrorist attack occurring in...?

New York State



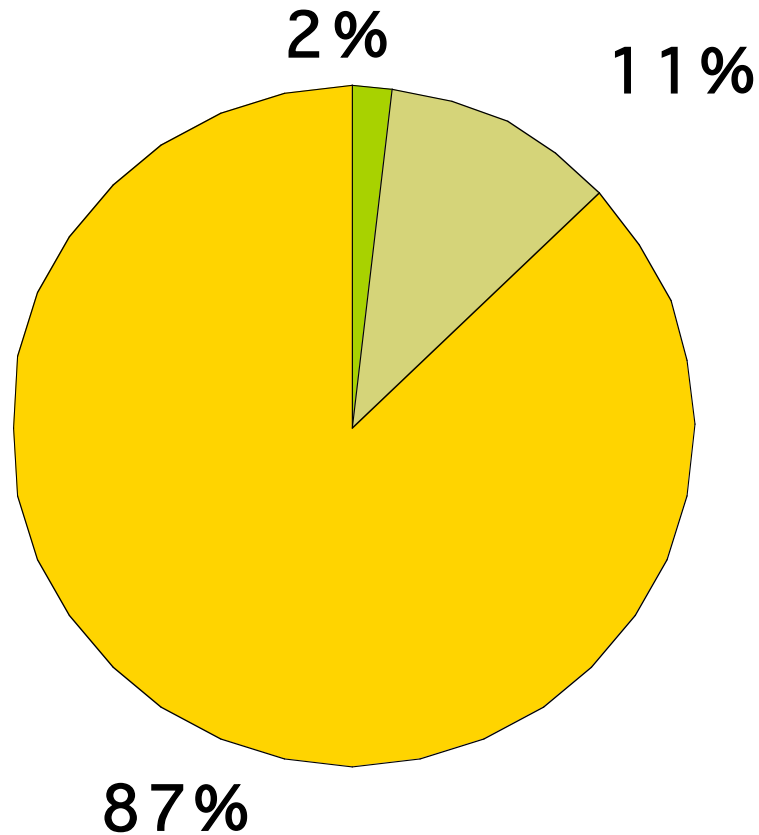
- Always/Very Often
- Sometimes
- Rarely/Never

the community in which you live or work



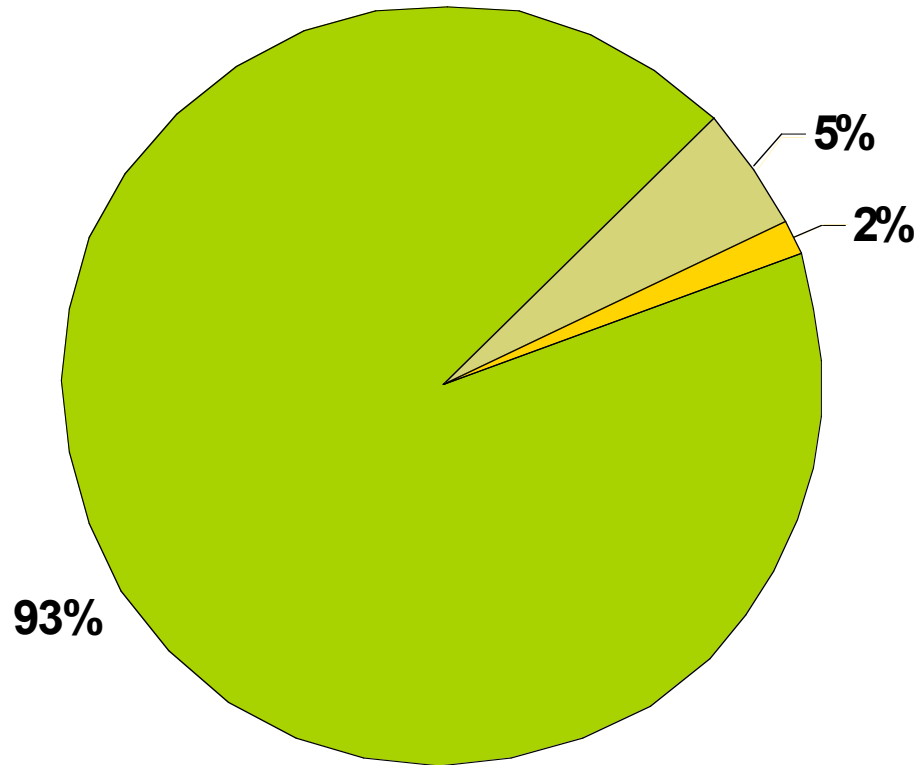
- Always/Very Often
- Sometimes
- Rarely/Never

How often are you suspicious of a terrorist attack when seeing patients?



■ Always/Ofter ■ Sometimes ■ Rarely/Never

How important is it to be properly trained in dealing with large-scale medical emergencies?



 Important

 Somewhat important

 Unimportant

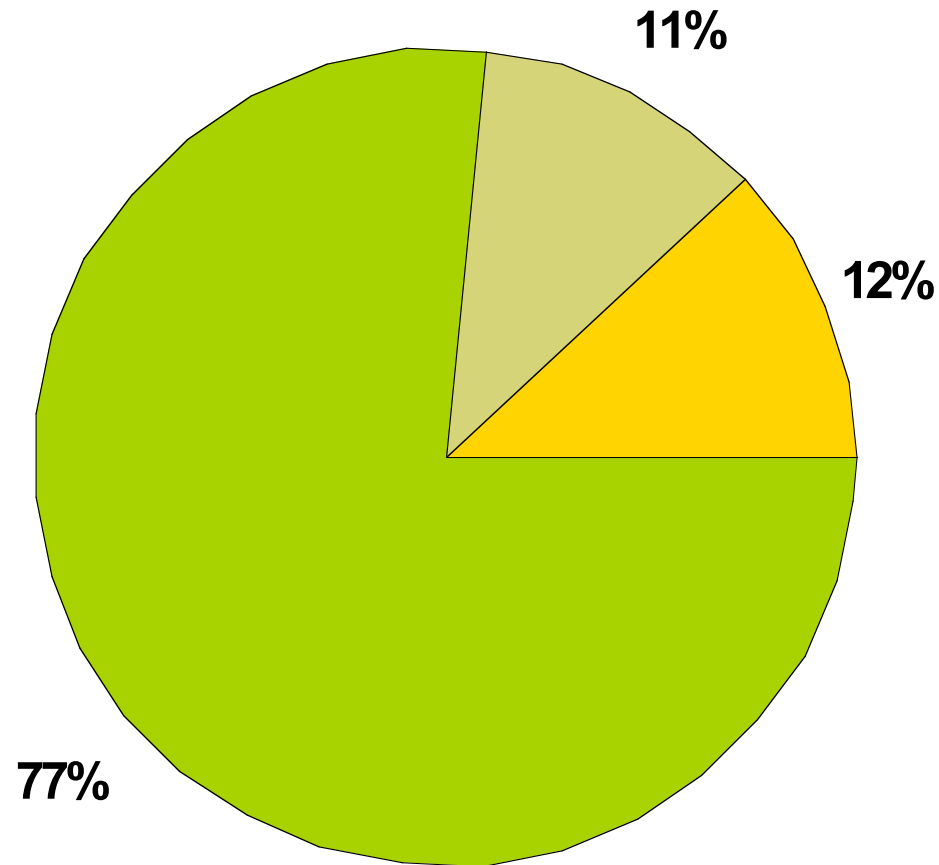
How often do you feel you should participate in preparedness trainings ?

- PCPs
 - 42% - Semi-annually
 - **47% - Annually**
 - 11% - Other

- Nurses
 - **71% - Semi-annually**
 - 28% - Annually
 - 1% - Other

- Support Staff
 - **57% - Semi-annually**
 - 43% - Annually

How recently did you attend a preparedness training?



■ With in past year ■ 12-24 months ■ 36 months or longer

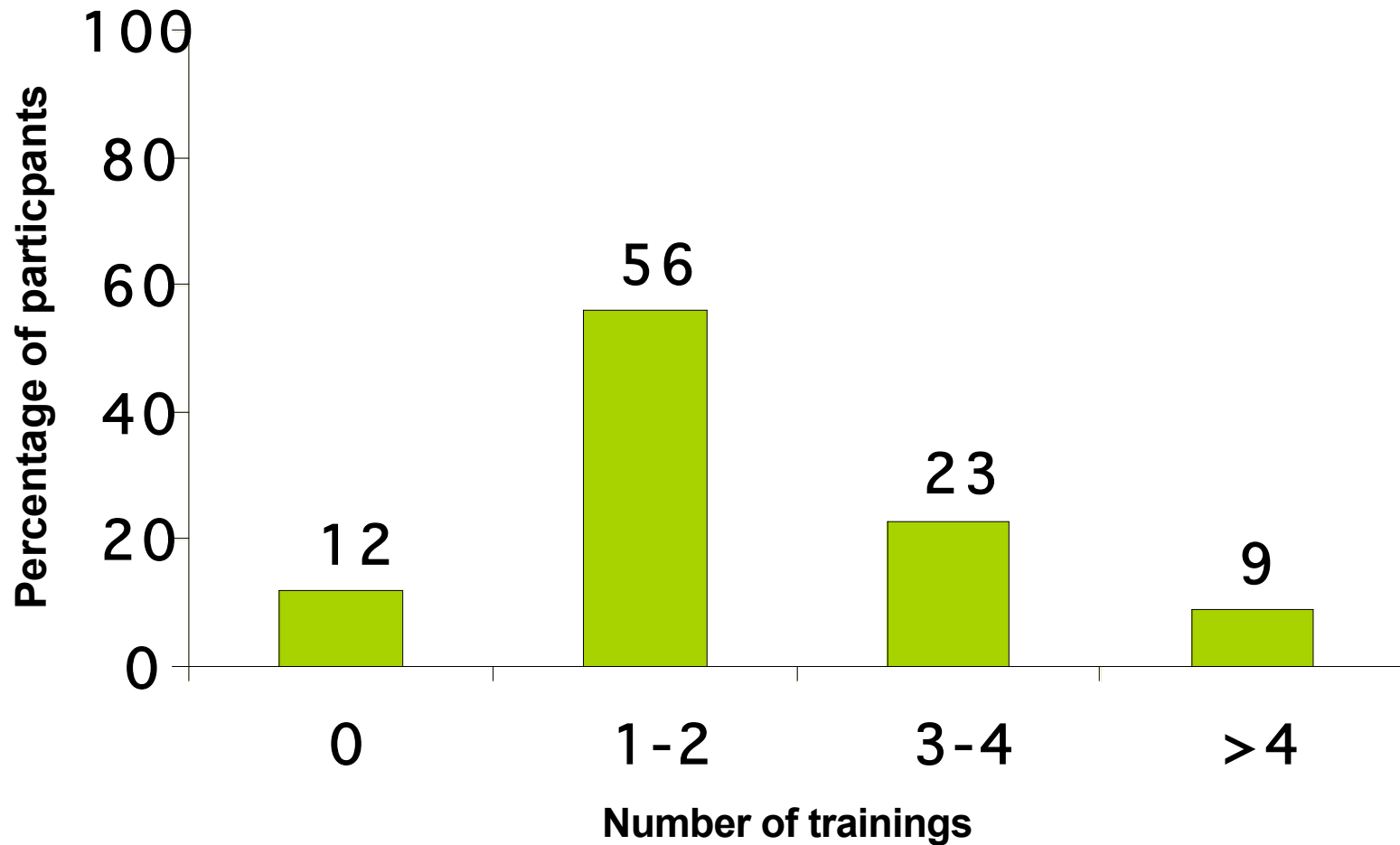
Most recent emergency preparedness training by profession

- Primary Care Providers
 - 18% - 12-24 months
 - **64% - Within the past 24 months**
 - 18% - 36 months or longer

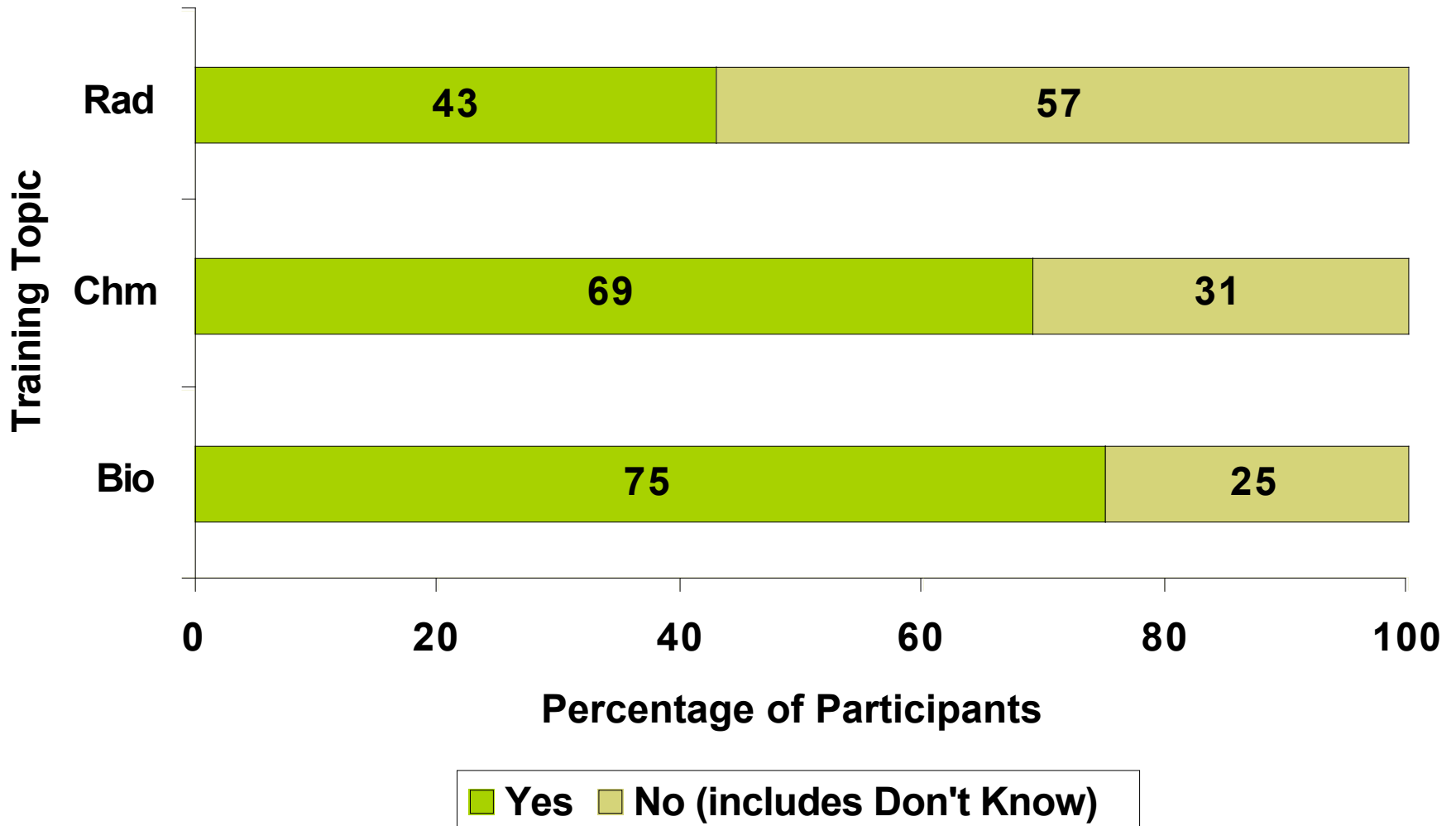
- Nurses
 - 10% - 12-24 months
 - **78% - Within the past 24 months**
 - 12% - 36 months or longer

- Support Staff
 - 4% - 12-24 months
 - **92% - Within the past 24 months**
 - 4% - 36 months or longer

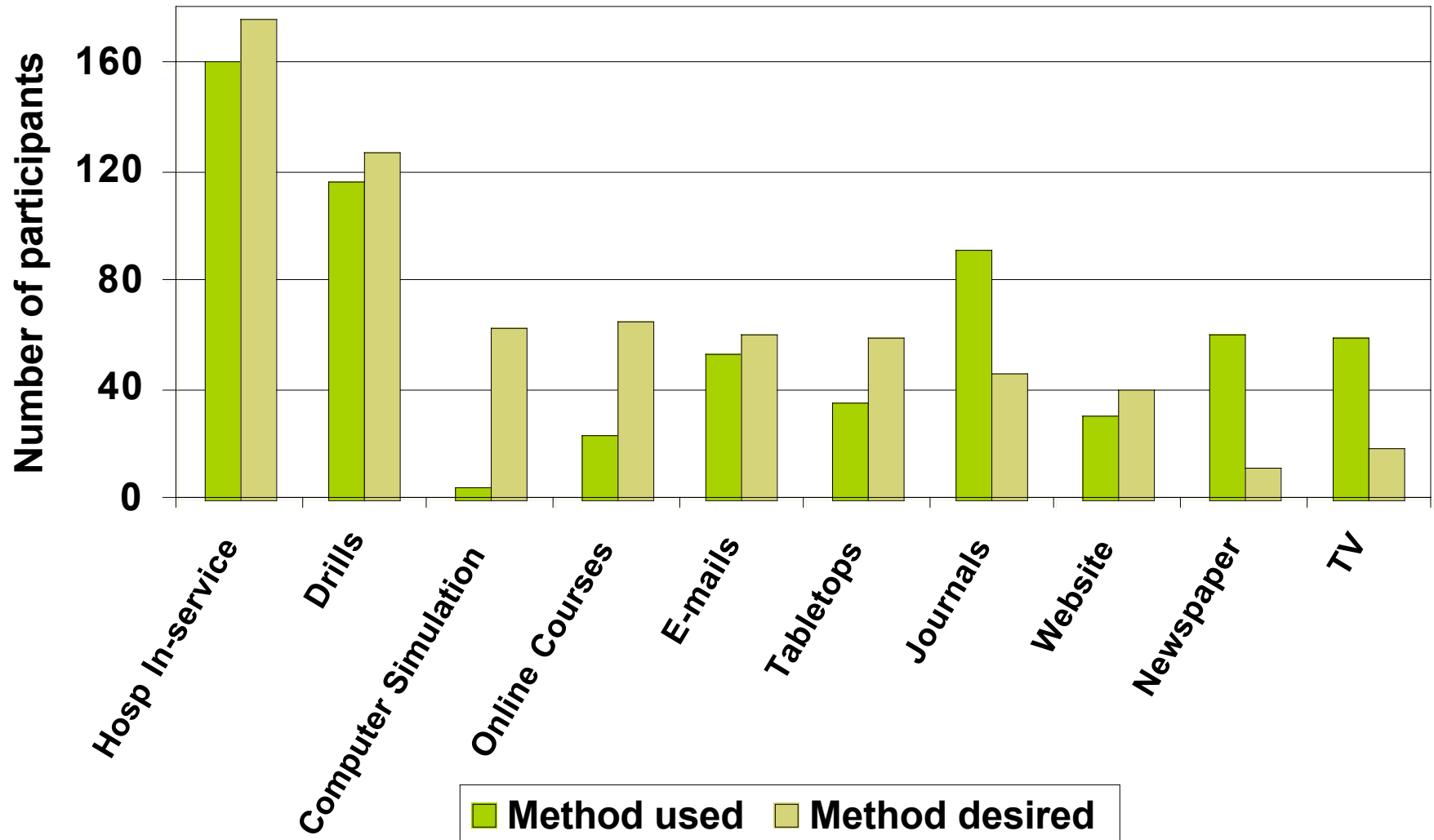
In the past 24 months, how many preparedness-training opportunities have you had?



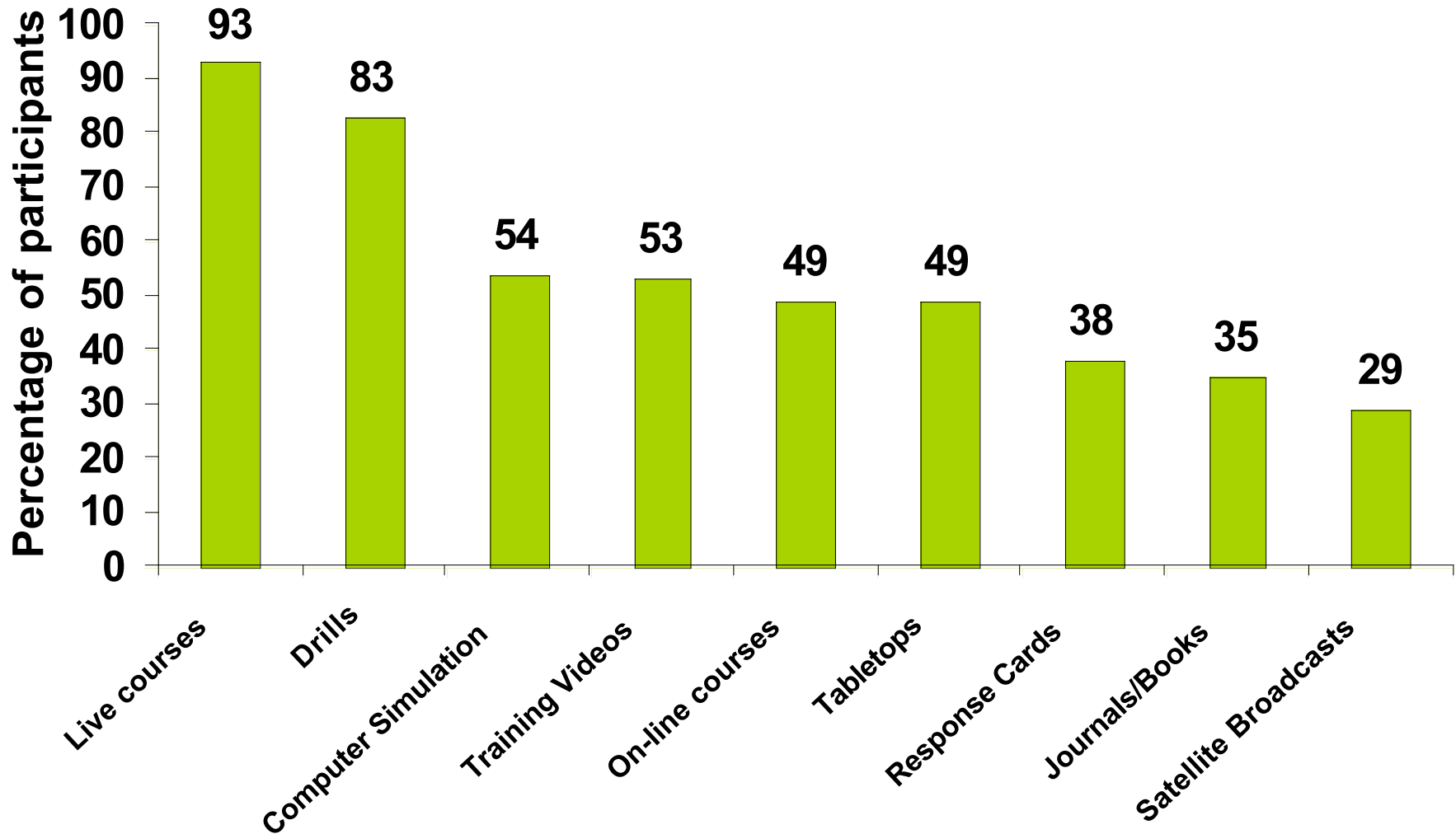
In the past two years, have you participated in a biological, chemical, or radiological preparedness training?



Delivery of preparedness information: methods used vs. methods desired (participants chose top 3)



Percentage of participants who rated the following methods as effective in helping them develop emergency preparedness work skills



For the most recent trainings you have attended, how would you rate the information you received?

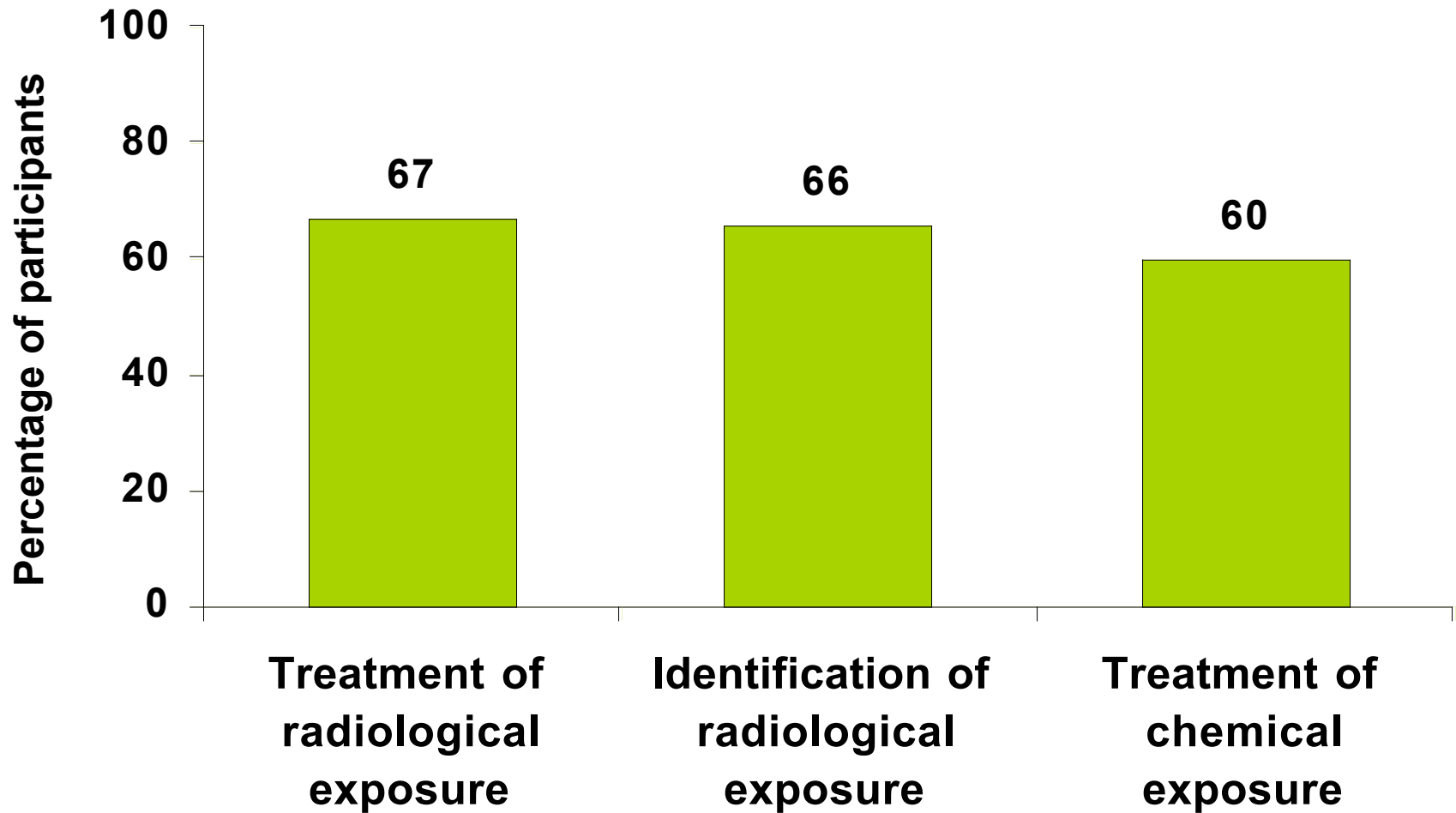
- Training topics with the **highest above average ratings**
 - Biological Terrorism (39%)
 - Chemical Terrorism (39%)
 - Case management of mass casualties (37%)

- Training topics with the **highest below average ratings**
 - Treating psychological impacts of terrorism (48%)
 - Treating the worried well (37%)
 - Radiological Terrorism (28%)

below average rating by profession

- Primary Care Providers
 - Dealing with psychological impacts of terrorism (51%)
 - Treating the worried well (29%)
 - Notifying the proper agencies if an outbreak or an act of terrorism is suspected (27%)
- Nurses
 - Dealing with psychological impacts of terrorism (49%)
 - Treating the worried well (45%)
 - Radiological Terrorism (32%)
- Support Staff
 - Dealing with psychological impacts of terrorism (33%)
 - Risk communication (24%)
 - Case management of mass casualties (24%)

Top three topics which participants feel they could use more education and training



Top five topics in which **Primary Care Providers** feel they could use more education or training

- ❑ Treatment options for radiological exposure (**63%**)
- ❑ Treatment options for chemical exposure (**61%**)
- ❑ Treatment options for biological exposure (**60%**)
- ❑ Identification of the signs and symptoms of radiological exposure (**58%**)
- ❑ Identification of the signs and symptoms of chemical exposure / Identification of the signs and symptoms of biological exposure (**53%**)

Top five topics in which **Nurses** feel they could use more education or training

- ❑ Identification of signs and symptoms of radiological exposure (**70%**)
- ❑ Treatment options for exposure to radiological agents (**69%**)
- ❑ Identification of signs and symptoms of chemical exposure / Identification of signs and symptoms of biological exposure (**61%**)
- ❑ Treatment of chemical exposure/ Treatment of biological exposure (**58%**)
- ❑ Case management during mass casualty situations (**53%**)

based on preparedness trainings attended

□ Statements with the highest percentage of agreement

- I will be able to perform my job and/or functional role in the event of a disaster **(85%)**
- I have read my department's emergency response plan **(74%)**
- I can identify situations when PPE should be used **(74%)**

□ Statements with the highest percentage of disagreement

- I can identify signs and symptoms of radiological exposure **(21%)**
- I can execute the procedures of decontamination **(18%)**
- I can identify signs and symptoms of biological exposure **(14%)**