

# **Technology Assessment Results from Ethiopia, Eastern DRC, and Haiti**

**Lorelei Goodyear, PATH**

**Julie Taft, International Medical Corps**

**Jessica Fleming, PATH**

**Matt Havlik, PATH**



# New Technology Working Group

---

- The goal of the New Technologies Working Group of IAWG is to improve the health and well-being of populations affected by crisis through access to improved technology.





# Technology Needs Assessments

---

- Purpose: to identify gaps in services that may be filled by health technologies.
- Field-tested needs assessment tool in Ethiopia and Eastern DRC.
  - Ethiopia field visit hosted by International Medical Corps (IMC).
  - Eastern DRC field test conducted by PATH Kenya.





# Top 5 Technology Needs Identified

---

1. IT/internet connectivity for info and records.
2. Simple test for water quality.
3. Alternative power sources for light and refrigeration.
4. Rapid diagnostics for malaria, syphilis, TB.
5. Single-dose vaccines.

Further training requested:

- Infection prevention, incomplete abortion management, and antenatal care follow-up.



# Haiti Technology Assessment

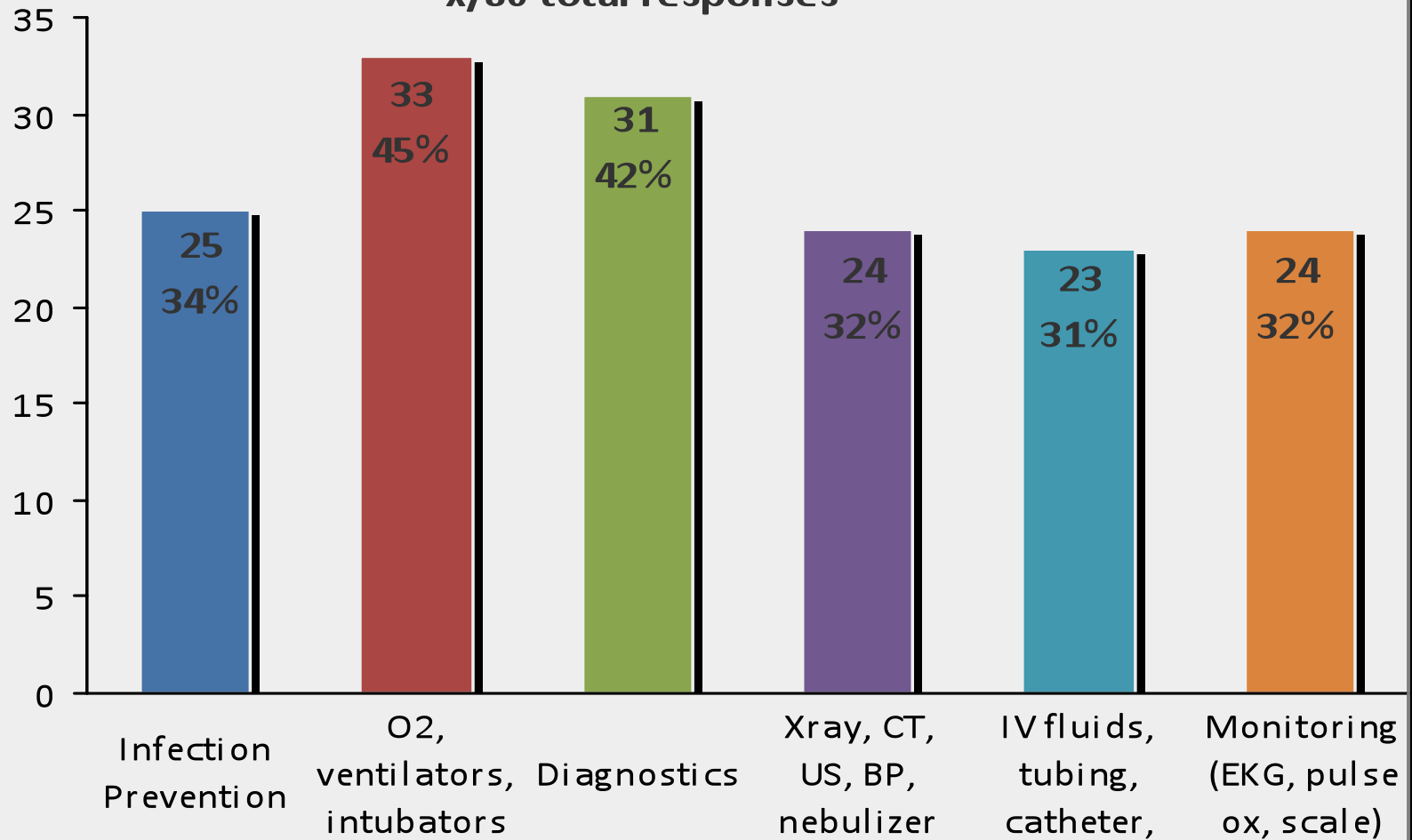
---

- IMC volunteers in ER/surgical ward.
- Hôpital de l'Université d'État d'Haiti (HUEH) in Port au Prince.
- Conducted four months after earthquake.
- Limited to nine key questions.
- 86/259 volunteers responded.

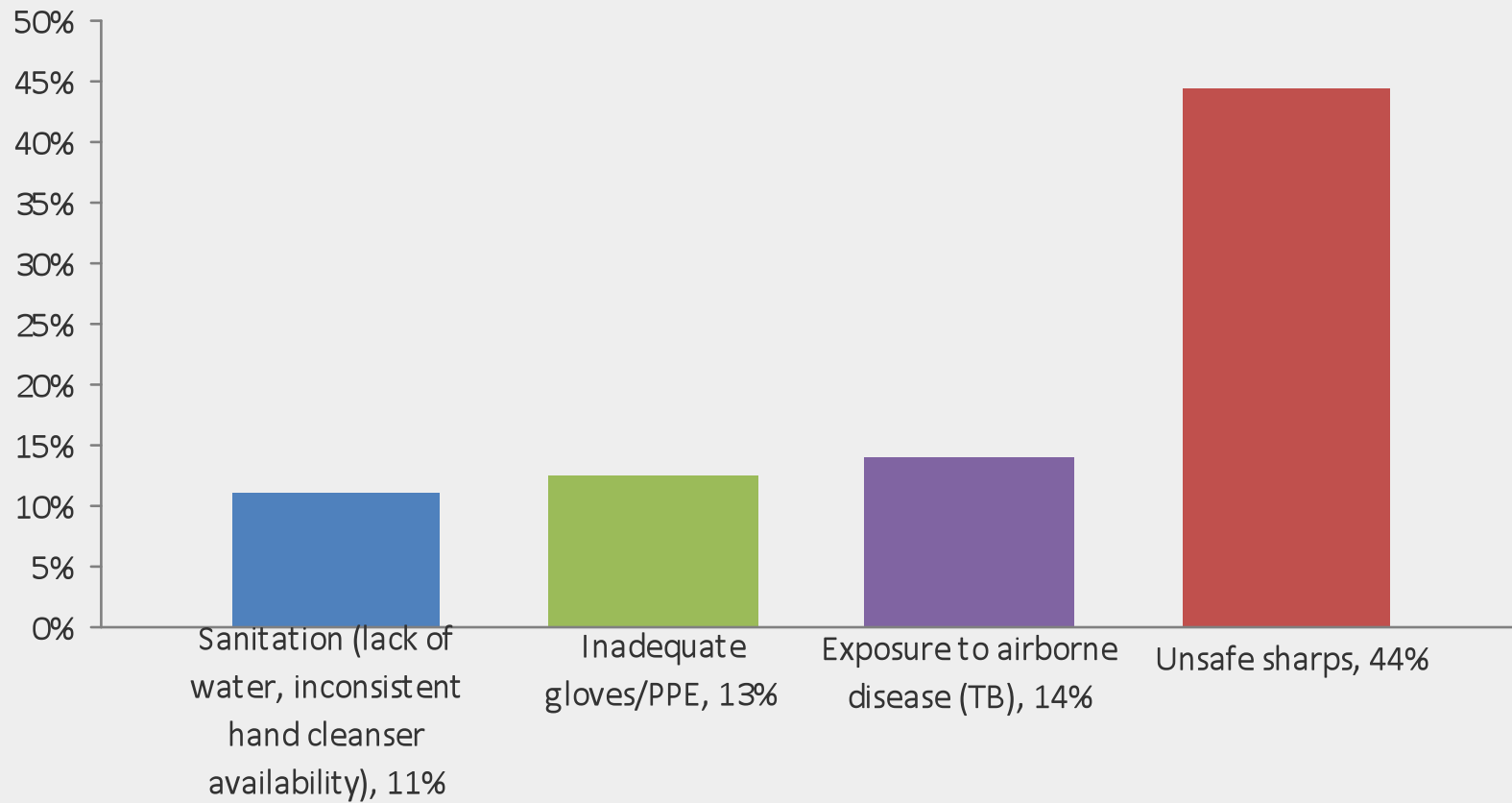


# Vital Equipment or Technologies Required or Needed

x/80 total responses



## Number of Respondants Who Performed Risky Procedures (by Percentage)



# Next Steps

---

- Integrate survey findings into Emergency Response Drugs & Equipment List
- Identify technologies to utilize in future
- Feedback results to emergency coordination mechanisms (logistics & health clusters)



# Common Results

	DRC	Ethiopia	Haiti
Rapid Dx	X	X	X
IT, E-HIS	X	X	X
Infection prevention	X	X	
Single dose vaccines	X	X	
Alternative power	X	X	
Water quality tests	X	X	



**Thank you.**



# Methodological Pros and Cons

	Pros	Cons
Consultation	Involves diverse experts, network for solutions	Extra expense, lacks direct field input
Field Assessment	Modest cost, direct input from implementers	Results may be site specific, distracting
Electronic Survey	Inexpensive, rapid, not distracting, gives respondents time to reflect	Lacks local perspectives and context, results may be site specific

