

Eliminating the “Fear Factor” in Biopreparedness

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“By improving the flow of information and knowledge, we can improve the health and well-being of all Americans.”

- Tommy G. Thompson



Securing Our
Homeland

U.S. Department of Homeland Security Strategic Plan



HPTC: History

- ◆ Organized in 1995
- ◆ Collaborative Effort
 - University of Nebraska Medical Center
 - Nebraska HHS Office of Rural Health

HPTC: "Dual" Mission



**Workforce Planning
& Health Policy
Decisions
&
Biosecurity
Preparedness**

HPTC: Comprehensive Directory

“No Boundaries”

- ◆ 50% are not Association members
- ◆ 43% licensed do not practice in NE
 - Physicians – 50%
- ◆ Federal professionals are not licensed locally

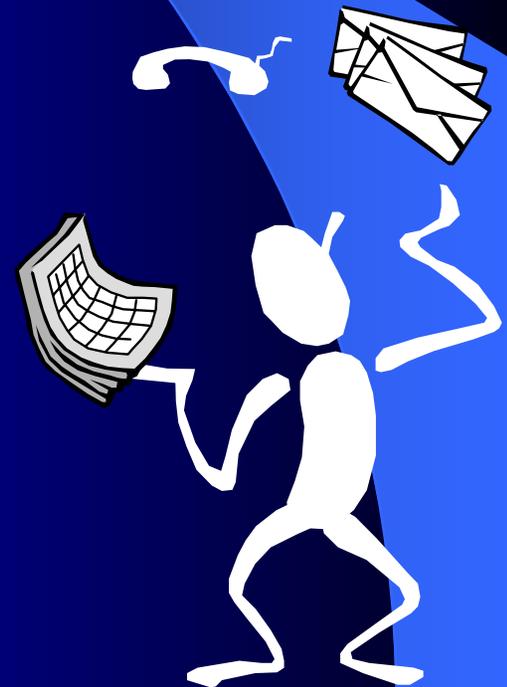
HPTC: Critical Data Elements

- ◆ Profession & Specialty
- ◆ Training & Certifications
- ◆ Location: Primary, Satellite Offices & Home
- ◆ Contact Information
- ◆ BT Expertise & Educational Needs
- ◆ Willingness to Volunteer & Response Times
- ◆ Languages Spoken Fluently
- ◆ Vaccinated against Small Pox

HPTC: Content Management

Diligent persistence...

- ◆ Surveys (85-100% Compliance)
- ◆ Licensure comparisons
- ◆ Clipping service
- ◆ Telephone verifications
- ◆ “Good Will” notifications
- ◆ Internet research



HPTC: Statewide Inventory

- ◆ Physicians
- ◆ Physician Assistants
- ◆ Nurse Practitioners
- ◆ Dentists*
- ◆ Pharmacists
- ◆ Pharmacies
- ◆ Clinics
- ◆ Acute Care Centers
- ◆ Hospitals

**NE, KS, SD, & WY*

HPTC: Statewide Inventory - Post 9/11

- ◆ Laboratory Directors
- ◆ Infection Control Nurses
- ◆ Microbiology Coordinators
- ◆ Public Health Officials
- ◆ Emergency Nurses
- ◆ Veterinarians
- ◆ First Responders
- ◆ Water Safety Officers
- ◆ Farm Service Agencies
- ◆ USDA Employees
- ◆ Respiratory Care Practitioners
- ◆ Food Safety Inspectors
- ◆ Environmental Health Specialists



HPTC: NE Preparedness Partners



Dr. Richard Raymond
Chief Medical Officer

- ◆ HHS Health Alert Network
- ◆ Center for Rural Biosecurity
- ◆ Center for Biopreparedness Edu.
- ◆ Volunteer Medical Reserve Corps



HPTC: “Response” Impact

- Identify & assist in the solicitation of all available trained professionals that are willing to respond to an event.
- Bolster the capacity to rapidly deploy & retrieve critical information to streamline effective preparedness efforts.
- Link academic expertise to state & local health agency needs.

“Much of mass casualty care will occur in non-routine settings. Immediate notification is necessary.”

- William F. Raub, Ph.D.
Department of HHS
NHII National Conference



Nebraska Health and Human Services
HEALTH ALERT NETWORK
Alert

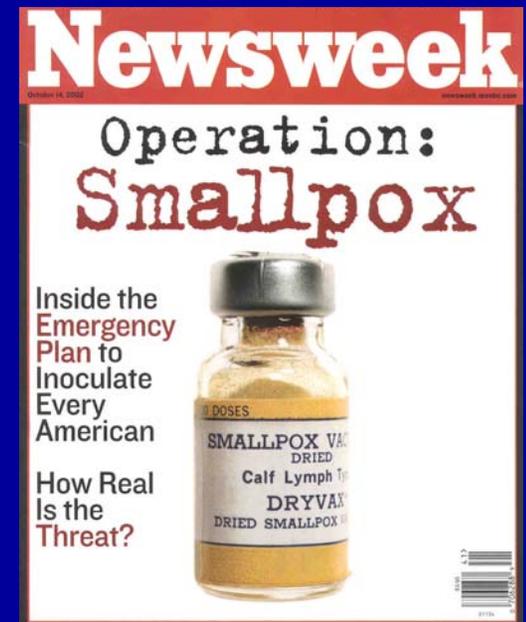
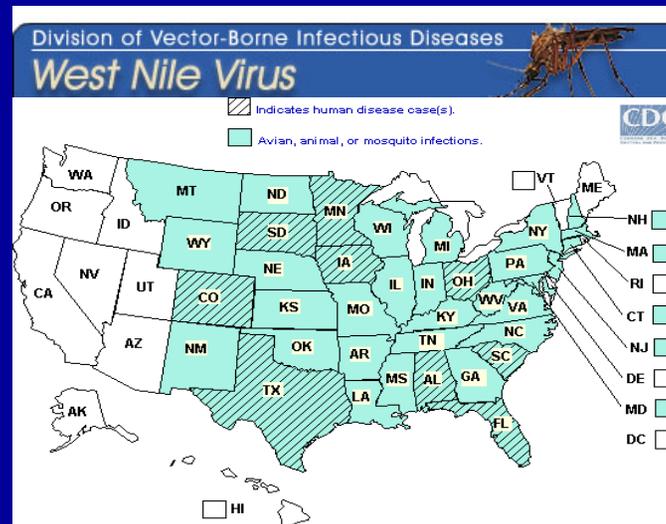


MAY 5, 2003
www.time.com AOL Keyword: TIME

TIME

THE TRUTH ABOUT
SARS

WHY the virus spreads
China's COVER-UP
How SCARED should you be?



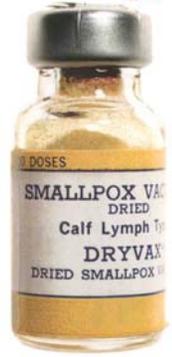
October 14, 2002
www.newsweek.com

Newsweek

Operation: Smallpox

Inside the Emergency Plan to Inoculate Every American

How Real is the Threat?





Health Alert Network

Select

Professions

- First Responder
- Medicine
- Nurse Practitioner
- Nursing
- Pharmacist
- Pharmacy Student
- Physician Assistant
- Public Health
- Veterinarian

Primary Specialties

- Education
- Emergency Medicine
- Endo/Meta/Diabetes
- Family Practice
- First Responder
- Gastroenterology

Exclude Residents/House Officers

Languages

- Oriya
- Panjabi (India)

Location

State NE

City

Zip

County Douglas

Multi County

St	City	Zip	County
NE			Douglas
NE			Lancaster
NE	bellevue		

Limit Search Location to Primary Practice Only

Include Bioterrorism Education Selection

Data: include at least one BT question checked include all BT questions checked

Communication Method

Mail Fax Only Email Only Fax/Email Detail file

Alert Fax	Alert Email	Alert Preference	Profession Name	Primary Specialty
4023978318	texastedi127@cox.net	F	Nurse Practitioner	Obstetrics and Gynecology
4023844050	sseifert@pol.net	E	Medicine	Med Toxicology-Emerg Med
4022802045	scurier@creighton.edu	F	Nurse Practitioner	Education
4024833061	bbunz@neb.rr.com	E	Medicine	Emergency Medicine
4025598715	srohr@unmc.edu	F	Medicine	Internal Medicine

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Health Alert Network

Health Professionals Clinics Pharmacies

Select

Clinic Types

- Clinic
- Residency Program
- Dentistry
- Healthcare Facility
- First Responder
- Public Health
- Veterinary
- Other
- <blank>

Location

State NE

City

Zip

County

Multi County

St	City	Zip	County
NE			

Communication Method

Mail Fax Only Email Only Fax/Email

Emergency care clinics only

Eliminate duplicate satellites

Fax	Email	Priority	BusinessName	ContactName
3082821428	gcl@gpcom.net	f	Gaston Cornu-Labat MD	
3082840882	cwbalt@megavision.com	e	Charles Baltzell DVM	
3082842721		f	Ogallala Medical Group	Connie Holz
3082842721	ictjn@mail.gprmc.com	f	Radiology Services PC	G W Rounsborg MD
3082842721	stephen.freeman@uchsc.edu	f	Stephen R Freeman MD	

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Health Alert Network

Health Professionals Clinics **Pharmacies**

Select
 Include non-licensed pharmacies

Location
State NE
City
Zip
County
Multi County

St	City	Zip	County
NE			

Clear Location Save Location

Communication Method
 Mail Fax Only Email Only Fax/Email

Generate File

Fax	Email	Priority	Pharmacy Name
4024080560	mkramolisch@kohll's.com	f	Kohl's Pharmacy & Homecare
4023302697	wrightm@coramhc.com	e	Coram Alternate Site Services Inc
4023592285	valleypharmacy@qwest.net	f	Valley Long Term Care Pharmacy
4025951704	udapclinic@yahoo.com	f	University Drug and Alcohol Program
4025598762	pamiller@nhsnet.org	f	Nebraska Medical Center Clinic Pharmacy

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Clear/Reset Save File Exit



Health Alert Network



Health Professionals | Clinics | Pharmacies | Bioterr Education Questions Page 1

Bioterr Education Questions Page 2

BT Education currently offering: Human Agriculture Livestock/Animals Other

Type of education and bioterrorism agents qualified to address:

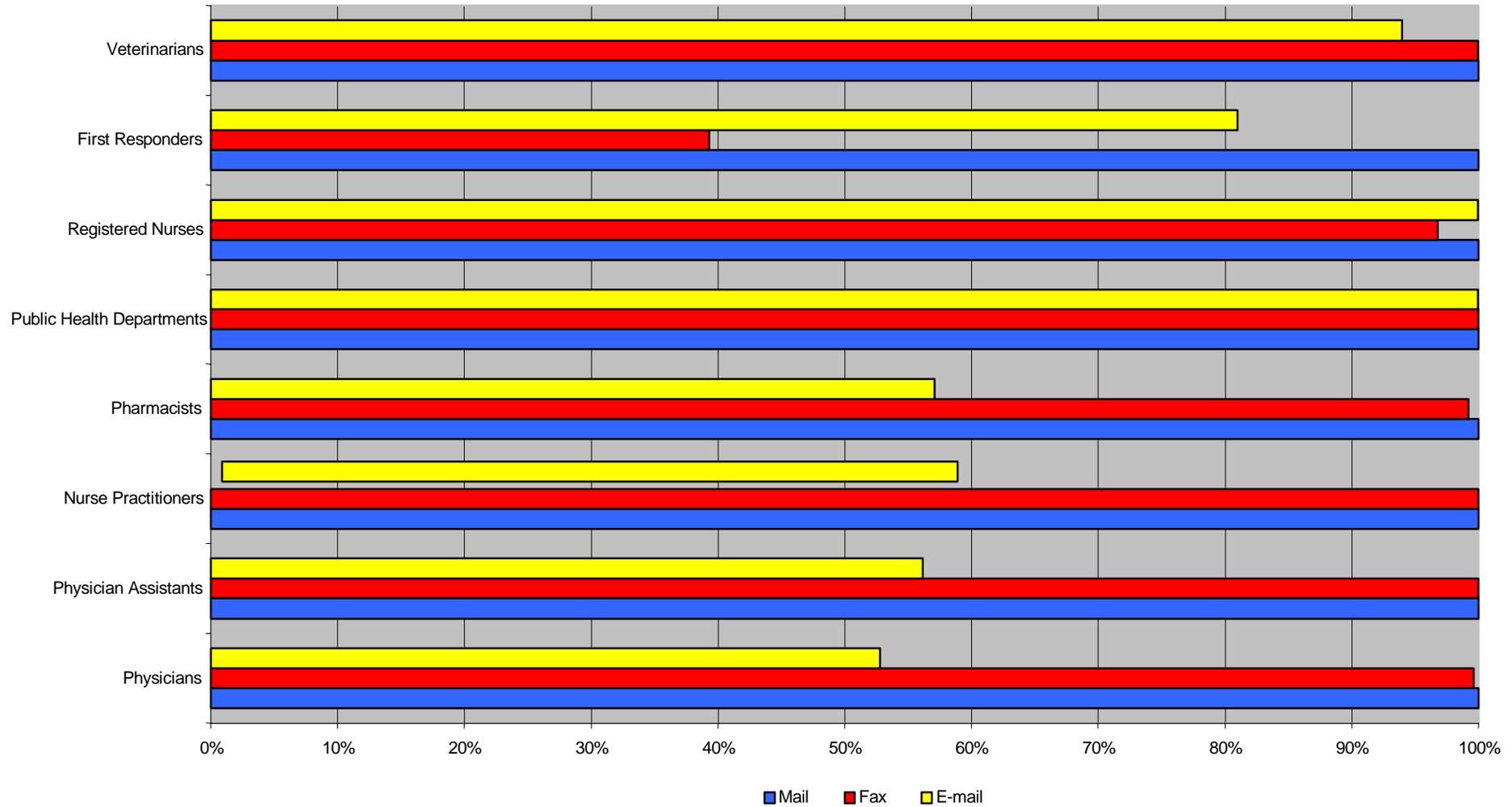
- | | | |
|---|--|---|
| <input type="text" value="435"/> <input type="checkbox"/> Bio Agent Specific | <input type="text" value="165"/> <input type="checkbox"/> Chemical Agent Specific | <input type="text" value="56"/> <input type="checkbox"/> Agriterrorism |
| <input type="text" value="286"/> <input type="checkbox"/> Anthrax | <input type="text" value="83"/> <input type="checkbox"/> Cyanide | <input type="text" value="100"/> <input type="checkbox"/> Decontamination |
| <input type="text" value="171"/> <input type="checkbox"/> Botulism | <input type="text" value="109"/> <input type="checkbox"/> Nerve Agents | <input type="text" value="258"/> <input type="checkbox"/> Emergency Response |
| <input type="text" value="137"/> <input type="checkbox"/> Plague | <input type="text" value="77"/> <input type="checkbox"/> Pulmonary Agents | <input type="text" value="240"/> <input type="checkbox"/> Infection Control |
| <input type="text" value="306"/> <input type="checkbox"/> Smallpox | <input type="text" value="58"/> <input type="checkbox"/> Sulfur Mustard | <input type="text" value="73"/> <input type="checkbox"/> Laboratory Diagnosis |
| <input type="text" value="121"/> <input type="checkbox"/> Tularemia | <input type="text" value="34"/> <input type="checkbox"/> Other | <input type="text" value="126"/> <input type="checkbox"/> Mental Health |
| <input type="text" value="97"/> <input type="checkbox"/> Viral Hemorrhagic Fevers | <input type="checkbox"/> All of the above | <input type="text" value="180"/> <input type="checkbox"/> Personal Protection |
| <input type="text" value="52"/> <input type="checkbox"/> Other | | <input type="text" value="72"/> <input type="checkbox"/> Radiation |
| <input type="checkbox"/> All of the above | | <input type="text" value="185"/> <input type="checkbox"/> Recognition & Medical Treatment |
| | | <input type="text" value="29"/> <input type="checkbox"/> Other |
| | | <input type="checkbox"/> All of the above |

Preferred venue to deliver education:

- | | |
|---|---|
| <input type="text" value="689"/> <input type="checkbox"/> Conference/Lecture | <input type="text" value="216"/> <input type="checkbox"/> Speakers Bureau |
| <input type="text" value="127"/> <input type="checkbox"/> Media-based (TV) | <input type="text" value="328"/> <input type="checkbox"/> Written Publication |
| <input type="text" value="89"/> <input type="checkbox"/> Real-time Telecommunications | <input type="text" value="132"/> <input type="checkbox"/> Self-directed Written Modules |
| <input type="text" value="160"/> <input type="checkbox"/> Web-based/Blackboard | <input type="text" value="30"/> <input type="checkbox"/> Other |
| <input type="text" value="383"/> <input type="checkbox"/> Individual Training | <input type="checkbox"/> All listed |

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Communication Pathways



HPTC: Broadcast Communication

◆ Secure Remote Access

◆ Customized Queries

- Location
- Profession
- Primary Specialty
- Preparedness Expertise
- Languages Spoken Fluently (<80)

◆ Rapid Transmission

- Dedicated T1-line
- Preferred Contact Route



HPTC: Educational Impacts

- Identify bio-security-related competencies & target learning needs to aide in addressing high priority requirements of the front-line workforce.
- Evaluate preparedness education effectiveness.
- Increase the number & type of professionals that comprise a preparedness & response workforce.



Health Alert Network

What are your bioterrorism educational needs?

- 1247 Bio Agent Specific
- 1231 Chemical Agent Specific
- 884 Radiation
- 1420 Recognition & Medical Treatment
- 1100 Infection Control
- 1230 Personal Protection
- 1373 Emergency Response
- 1021 Decontamination
- 580 Mental Health
- 737 Agriterrorism
- 702 Agricultural Diseases used as BT
- 692 Contagious Animal Diseases
- 686 Livestock/Animal Diseases used as BT
- 681 Laboratory Diagnosis
- 782 Epidemiology
- 680 Outbreak Investigation
- 1034 Preparedness Planning
- 743 Role of Public Health
- 814 State Preparedness Updates
- 558 Bioterrorism Environmental Impact
- 571 Reporting BT Agents
- 578 Laboratory Testing of BT Agents
- 555 Smallpox Vaccine Administration
- 179 Other

Preferred venue to receive education?

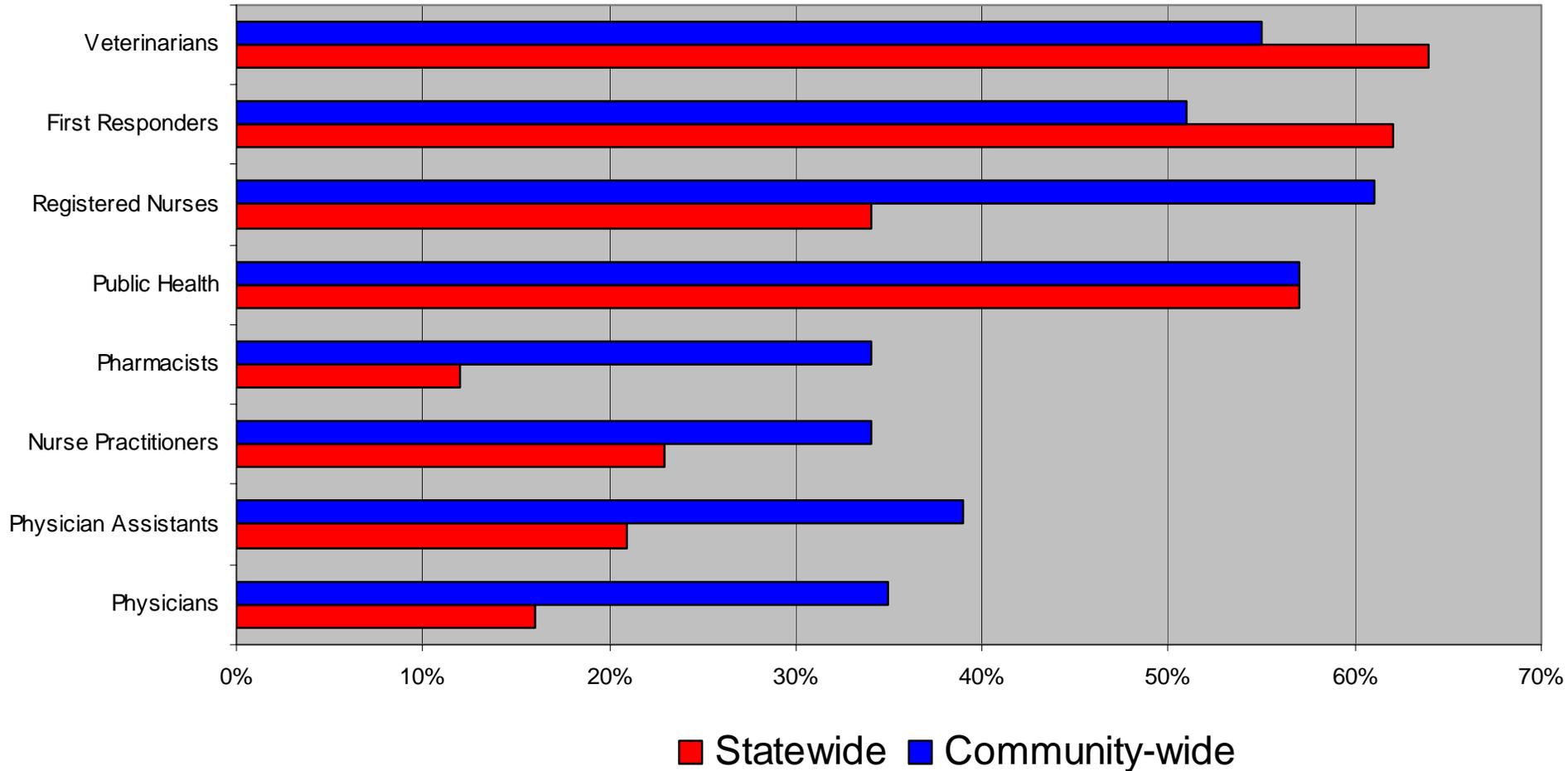
- 2074 Conference/Lecture
- 456 Media-based (TV)
- 350 Real-time Telecommunications
- 881 Web-based/Blackboard
- 502 Individual Training
- 316 Speakers Bureau
- 1829 Written Publication
- 887 Self-directed Written Modules
- 59 Other
- All listed

Would you be willing to:

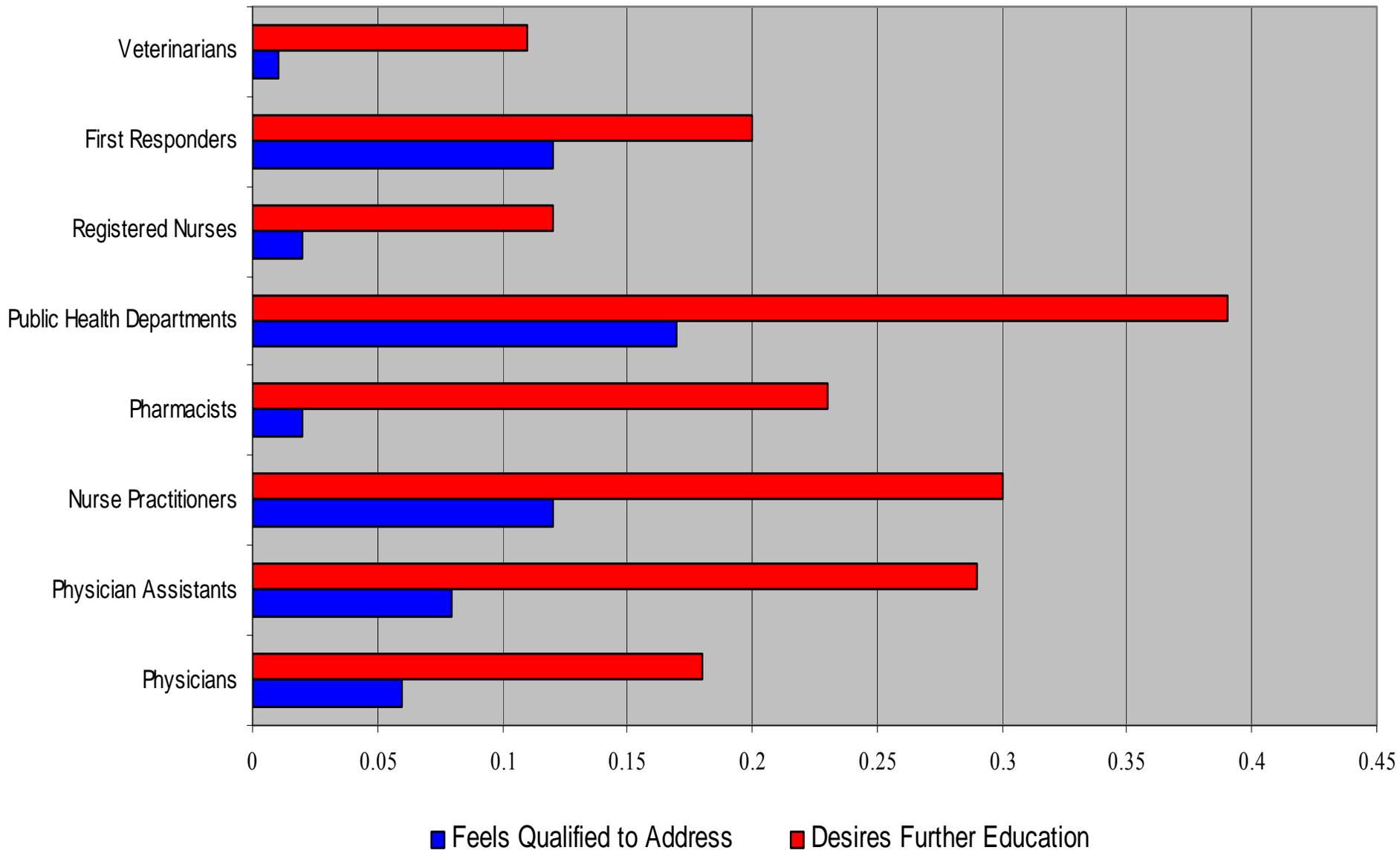
- 343 Join Speakers Bureau
- 310 Expert Consultant for other Agencies
- 622 Participate - Tabletop Exercise
- Volunteer Bio/chem or Nuclear Event
- 1035 Community
- 604 State-wide
- 171 Other
- 111 Smallpox Vaccination Post 9/11
- 190 Hour
- 34 Hour
- 10 Hour
- 173 Day
- 175 Day
- 26 Day
- 28 Days
- 42 Days
- 18 Days
- 644 Other
- 353 Other
- 117 Other

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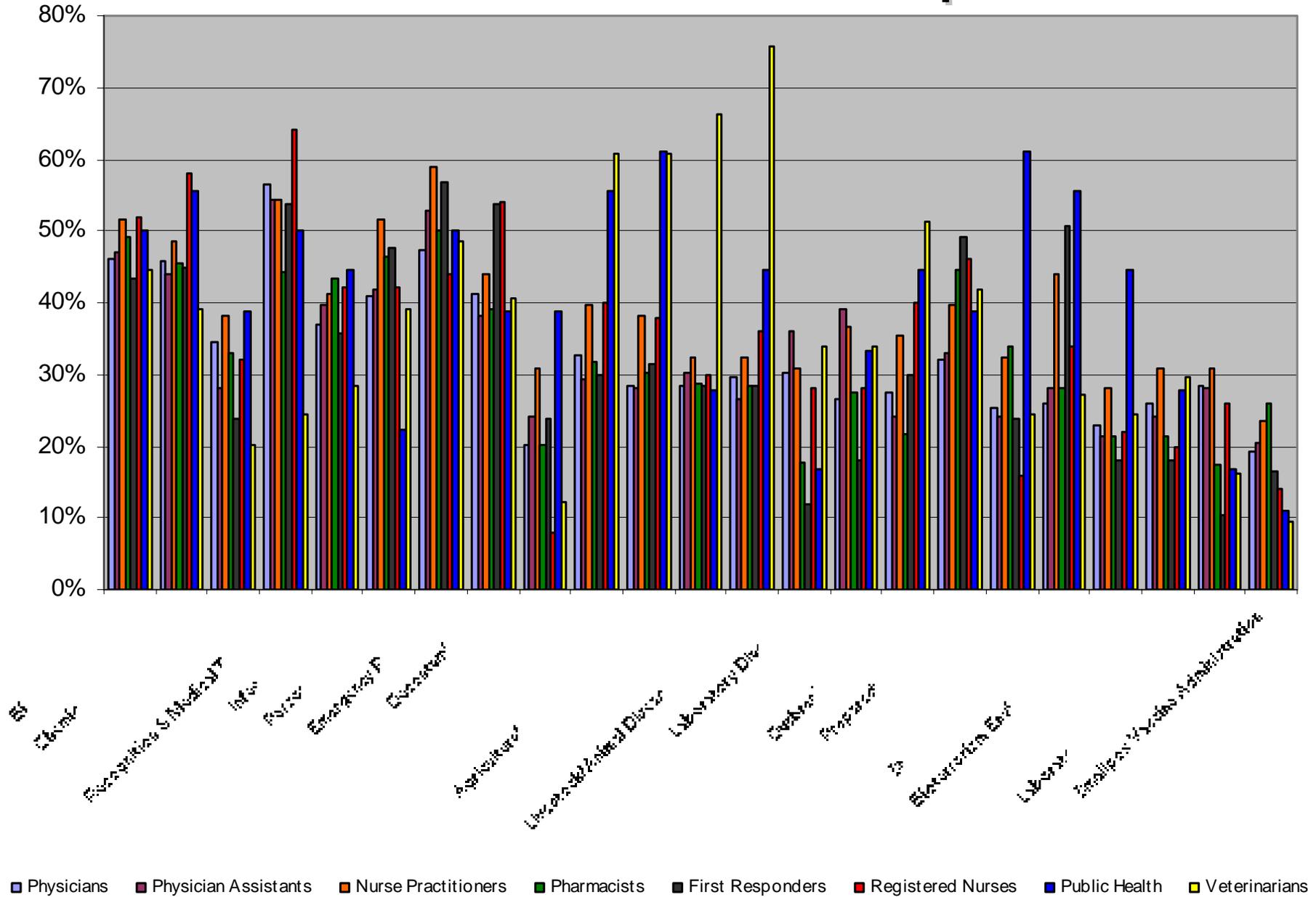
Willingness to Respond



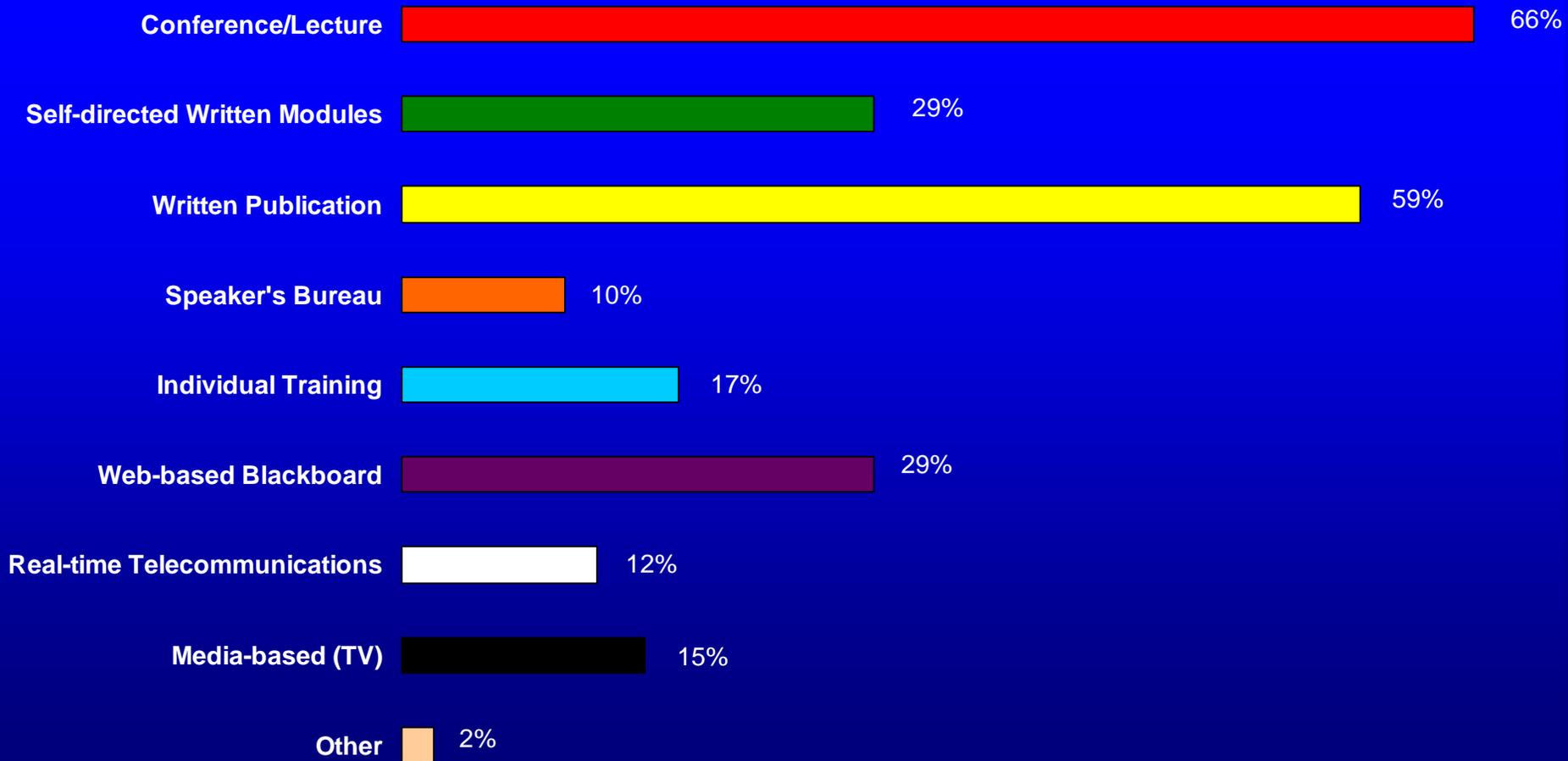
Feelings about Mental Health



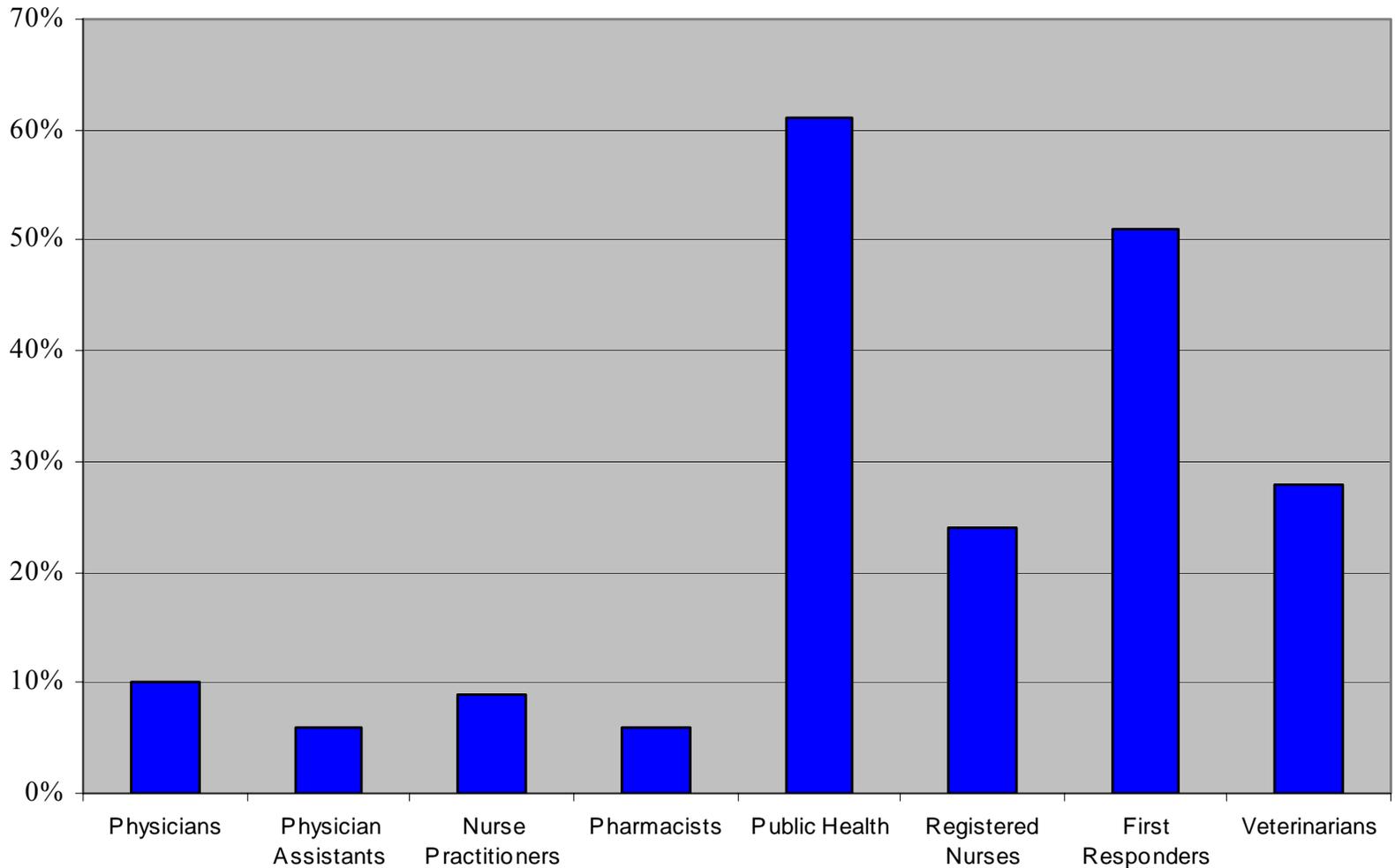
Educational Needs for Preparedness



Preferred Venue to Receive Preparedness Training



Willingness to Join a Speaker's Bureau



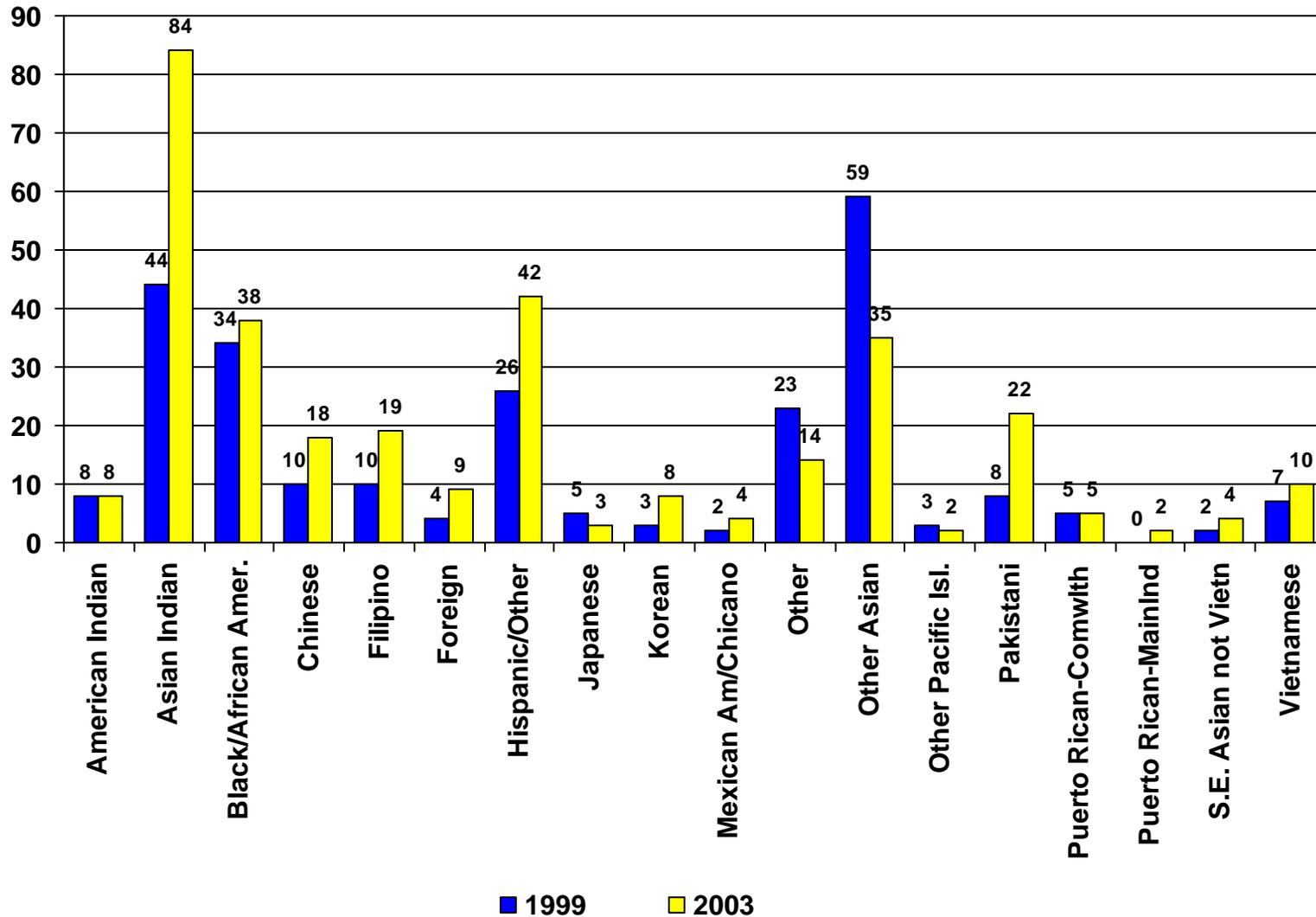
HPTC: Policy Impact

- Monitors relevant workforce trends and identifies gaps to inform & influence policy decisions.

HPTC: Nebraska Impacts

- ◆ Family Practice Shortage Area comparison
 - 50% increase in designations (+\$1M)
- ◆ Critical in preventing IME budget cuts
- ◆ Monitors loan incentives & grantees
- ◆ J-1 Visa applications
- ◆ Medicaid & Medicare cost-based reimbursement
- ◆ Community Health Center & RHC eligibility

Nebraska Practicing Physicians Ethnicity Counts Between 1999 & 2003



HPTC: NE Physician “Snap-shot”

- ◆ 78% Male
- ◆ 91% Practice full-time
- ◆ 85% White/Caucasian
- ◆ 12% \geq 60 years
- ◆ 95% Graduated from a US-based medical school
- ◆ 11% practice in rural NE, 65% are UNMC graduates
- ◆ 47% practice in a free-standing clinic
- ◆ 60% are engaged in a self-employed partnership/group
- ◆ > 80 languages spoken fluently

HPTC: Lessons Learned

- Comprehensive
- Manageable
- Primary Mission
- Diligence & Persistence
- Respect



Partnering for Healthy and Safe Communities