

ACPM Membership Education Needs Assessment on Environmental Health

The following is a summary of the data obtained from the ACPM membership needs assessment on Environmental Health. The needs assessment was distributed to ACPM members electronically through Zoomerang on June 13, 2008, and closed on July 18, 2008. Initially, 2123 e-mails, with the provided web-link with the survey, were sent requesting participation. In total, 462 (22%) opened the web-link. Of these, 392 (18%) people completed the survey. Of the 392 completed responses, 389 (99%) stated they were ACPM members, 3 (1%) stated that they were not members. For questions that offer a category of *other*, the most common responses are provided.

1. Indicate the employment setting that best represents your current position		
Academic/University	58	15%
State or local health agency	55	14%
Group or individual practice	43	11%
Military	39	10%
Preventive medicine resident/medical student	38	10%
Federal health agency	32	8%
Industry/business	33	8%
Retired	26	7%
Hospital	24	6%
Not-for-profit/nongovernmental organization	15	4%
*Other	17	4%
Health consulting	10	3%
Tribal health agency	2	1%
Total	392	100%

*Other – Combinations and variations of listed choices, community clinics, health insurance industry, research groups /institutes, and international agencies

2. Indicate all significant areas of activity in your current position		
Administration or management	222	57%
Patient care	182	46%
Consulting	149	38%
Teaching	146	37%
Public health practice	124	32%
Research and development	109	28%
Resident/student	70	18%
*Other	31	8%
Retired	22	6%

*Other – Combinations and variations of listed choices, policy, public education/outreach, and writing

3. On average, indicate what percent of your typical work day is spent on issues related to environmental health

Less than 25%	223	57%
None (zero time)	95	24%
25% to less than 50%	54	14%
75% or more	12	3%
50% to less than 75%	8	2%
Total	392	100%

4. On average, indicate what percent of your typical work day is spent on issues related to global climate change

None (zero time)	254	65%
Less than 25%	123	31%
25% to less than 50%	11	3%
*Other	3	1%
50% to less than 75%	0	0%
75% or more	1	0%
Total	392	100%

*Other – Combinations and variations of listed choices and less than 5%

5. On average, indicate what percent of your typical work day is spent on issues related to hazards found in the home and other indoor environments

Less than 25%	224	57%
None (zero time)	122	31%
25% to less than 50%	29	7%
50% to less than 75%	8	2%
75% or more	9	2%
Total	392	100%

The following is a stratified analysis of Question 1 (Employment Setting) and Question 4 (percentage of time on global climate change issues). It was completed using the cross tabulation function in Zoomerang.

Indicate the employment setting that best represents your current position							
	Total*	On average, indicate what percent of your typical work day is spent on issues related to global climate change					
		None (zero time)	Less than 25%	25% to less than 50%	50% to less than 75%	75% or more	Other, Please Specify
	392	254	123	11	0	1	3
Military	39 9.90%	26 10.20%	12 9.80%	1 9.10%	0 0.00%	0 0.00%	0 0.00%
Tribal health agency	2 0.50%	1 0.40%	1 0.80%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
State or local health agency	55 14.00%	28 11.00%	26 21.10%	1 9.10%	0 0.00%	0 0.00%	0 0.00%
Federal health agency	32 8.20%	22 8.70%	10 8.10%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Group or individual practice	43 11.00%	35 13.80%	8 6.50%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Hospital	24 6.10%	18 7.10%	5 4.10%	0 0.00%	0 0.00%	0 0.00%	1 33.30%
Academic/University	58 14.80%	31 12.20%	22 17.90%	4 36.40%	0 0.00%	1 100.00%	0 0.00%
Industry/business	33 8.40%	28 11.00%	5 4.10%	0 0.00%	0 0.00%	0 0.00%	0 0.00%
Health consulting	10 2.60%	6 2.40%	3 2.40%	1 9.10%	0 0.00%	0 0.00%	0 0.00%
Preventive medicine resident/medical student	38 9.70%	24 9.40%	12 9.80%	2 18.20%	0 0.00%	0 0.00%	0 0.00%
Not-for-profit/nongovernmental organization	15 3.80%	8 3.10%	6 4.90%	1 9.10%	0 0.00%	0 0.00%	0 0.00%
Retired	26 6.60%	18 7.10%	6 4.90%	1 9.10%	0 0.00%	0 0.00%	1 33.30%
Other, Please Specify	17 4.30%	9 3.50%	7 5.70%	0 0.00%	0 0.00%	0 0.00%	1 33.30%

The following is a stratified analysis of Question 1 (Employment Setting) and Question 5 (percentage of time on hazards found in the home and other indoor environments issues). It was completed using the cross tabulation function in Zoomerang.

Indicate the employment setting that best represents your current position						
	Total*	On average, indicate what percent of your typical work day is spent on issues related to hazards found in the home and other indoor environments				
		None (zero time)	Less than 25%	25% to less than 50%	50% to less than 75%	75% or more
	392	122	224	29	8	9
Military	39 9.90%	10 8.20%	27 12.10%	1 3.40%	1 12.50%	0 0.00%
Tribal health agency	2 0.50%	0 0.00%	2 0.90%	0 0.00%	0 0.00%	0 0.00%
State or local health agency	55 14.00%	15 12.30%	35 15.60%	4 13.80%	1 12.50%	0 0.00%
Federal health agency	32 8.20%	14 11.50%	15 6.70%	3 10.30%	0 0.00%	0 0.00%
Group or individual practice	43 11.00%	5 4.10%	25 11.20%	7 24.10%	1 12.50%	5 55.60%
Hospital	24 6.10%	5 4.10%	15 6.70%	3 10.30%	1 12.50%	0 0.00%
Academic/University	58 14.80%	16 13.10%	34 15.20%	3 10.30%	2 25.00%	3 33.30%
Industry/business	33 8.40%	10 8.20%	17 7.60%	3 10.30%	2 25.00%	1 11.10%
Health consulting	10 2.60%	4 3.30%	5 2.20%	1 3.40%	0 0.00%	0 0.00%
Preventive medicine resident/medical student	38 9.70%	15 12.30%	21 9.40%	2 6.90%	0 0.00%	0 0.00%
Not-for-profit/nongovernmental organization	15 3.80%	6 4.90%	8 3.60%	1 3.40%	0 0.00%	0 0.00%
Retired	26 6.60%	16 13.10%	10 4.50%	0 0.00%	0 0.00%	0 0.00%
Other, Please Specify	17 4.30%	6 4.90%	10 4.50%	1 3.40%	0 0.00%	0 0.00%

The following is a stratified analysis of Question 2 (Areas of Activity) and Question 5 (percentage of time on hazards found in the home and other indoor environments issues). It was completed using the cross tabulation function in Zoomerang.

Indicate all significant areas of activity in your current position							
	Total*	On average, indicate what percent of your typical work day is spent on issues related to global climate change					
		None (zero time)	Less than 25%	25% to less than 50%	50% to less than 75%	75% or more	Other, Please Specify
	392	254	123	11	0	1	3
Administration or management	222 56.60%	148 58.30%	69 56.10%	4 36.40%	0 0.00%	0 0.00%	1 33.30%
Patient care	182 46.40%	130 51.20%	50 40.70%	2 18.20%	0 0.00%	0 0.00%	0 0.00%
Consulting	149 38.00%	101 39.80%	43 35.00%	5 45.50%	0 0.00%	0 0.00%	0 0.00%
Research and development	109 27.80%	61 24.00%	40 32.50%	6 54.50%	0 0.00%	1 100.00%	1 33.30%
Teaching	146 37.20%	92 36.20%	49 39.80%	4 36.40%	0 0.00%	1 100.00%	0 0.00%
Resident/student	70 17.90%	42 16.50%	22 17.90%	4 36.40%	0 0.00%	1 100.00%	1 33.30%
Retired	22 5.60%	12 4.70%	7 5.70%	1 9.10%	0 0.00%	0 0.00%	2 66.70%
Public health practice	124 31.60%	65 25.60%	56 45.50%	3 27.30%	0 0.00%	0 0.00%	0 0.00%
Other, Please Specify	31 7.90%	21 8.30%	8 6.50%	0 0.00%	0 0.00%	1 100.00%	1 33.30%

The following is a stratified analysis of Question 2 (Areas of Activity) and Question 5 (percentage of time on hazards found in the home and other indoor environments issues). It was completed using the cross tabulation function in Zoomerang.

Indicate all significant areas of activity in your current position						
	Total*	On average, indicate what percent of your typical work day is spent on issues related to hazards found in the home and other indoor environments				
		None (zero time)	Less than 25%	25% to less than 50%	50% to less than 75%	75% or more
	392	122	224	29	8	9
Administration or management	222 56.60%	58 47.50%	137 61.20%	16 55.20%	4 50.00%	7 77.80%
Patient care	182 46.40%	36 29.50%	114 50.90%	18 62.10%	6 75.00%	8 88.90%
Consulting	149 38.00%	34 27.90%	91 40.60%	13 44.80%	5 62.50%	6 66.70%
Research and development	109 27.80%	34 27.90%	63 28.10%	9 31.00%	1 12.50%	2 22.20%
Teaching	146 37.20%	30 24.60%	94 42.00%	13 44.80%	4 50.00%	5 55.60%
Resident/student	70 17.90%	24 19.70%	40 17.90%	3 10.30%	2 25.00%	1 11.10%
Retired	22 5.60%	9 7.40%	13 5.80%	0 0.00%	0 0.00%	0 0.00%
Public health practice	124 31.60%	29 23.80%	78 34.80%	11 37.90%	3 37.50%	3 33.30%
Other, Please Specify	31 7.90%	12 9.80%	16 7.10%	0 0.00%	2 25.00%	1 11.10%

6. Please select the environmental health topic areas related to global climate change that you have spent professional time on in the past 12 months (select all that apply)

Disease and transmitting vectors	180	46%
Air quality and respiratory disease	176	45%
Food supply and safety	129	33%
Natural disasters (hurricanes, floods, earthquakes, fires)	129	33%
Heat-induced health hazards	103	26%
None of the above	90	23%
Built environment/urban planning	82	21%

Outdoor injury hazards	84	21%
Contact with nature	69	18%
Agricultural safety and health	63	16%
Environmental public health tracking	51	13%
Water scarcity and access to clean water	50	13%
Environmental equity	37	9%
Environmental refugees/migration	26	7%
*Other	20	5%
Other – Combinations and variations of listed choices (see also #17 responses)		

7. Please select the environmental health topic areas related to hazards found in the home and other indoor environments that you have spent professional time on in the past 12 months (select all that apply)

Indoor air pollutants (e.g., environmental tobacco smoke, molds)	202	52%
Occupational injuries	180	47%
Heavy metals (lead, arsenic, cadmium)	149	39%
Injuries in or around the home	100	26%
Noise	95	25%
Pesticides	94	24%
Contact with nature	87	23%
None of the above	85	22%
Pests	66	17%
*Other	14	4%
*Other – Combinations and variations of listed choices (see also #17 responses)		

8. Please select up to 4 environmental health topic areas related to global climate change that you think are the most important for the ACPM Environmental Health Committee to focus (select up to four)

Food supply and safety	212	54%
Air quality and respiratory disease	205	52%
Water scarcity and access to clean water	195	50%
Disease and transmitting vectors	187	48%
Natural disasters (hurricanes, floods, earthquakes, fires)	166	42%
Built environment/urban planning	149	38%
Environmental public health tracking	92	23%
Agricultural safety and health	75	19%
Environmental equity	42	11%
Environmental refugees/migration	36	9%
Heat-induced health hazards	37	9%
Outdoor injury hazards	23	6%
*Other	23	6%
Contact with nature	17	4%
None of the above	11	3%
*Other – Combinations and variations of listed choices, transportation, and population control		

9. Please select up to 4 environmental health topic areas related to hazards found in the home and other indoor environments that you think are the most important for the ACPM Environmental Health Committee to focus (select up to four)

Indoor air pollutants (e.g., environmental tobacco smoke, molds)	308	79%
Injuries in or around the home	214	55%
Occupational injuries	172	44%
Heavy metals (lead, arsenic, cadmium)	160	41%
Pesticides	149	38%
Noise	95	24%
Contact with nature	79	20%
Pests	59	15%
*Other	23	6%
None of the above	6	2%

*Other – Combinations and variations of listed choices, food and water supply safety, and chemical exposures

10. Please rank your preference for how much time ACPM's Environmental Health Committee should spend on each of the following activities (1=most time; 2=moderate amount; 3=least time). Please use each number only once.

Top number is the count of respondents selecting the option. Bottom % is percent of the total respondents selecting the option.	1	2	3
Education of physicians on environmental health	150 38%	121 31%	121 31%
Guidelines and protocols for environmental health practice	116 30%	162 41%	114 29%
Advocacy/public policy on environmental health issues	126 32%	109 28%	157 40%

11. Please select up to 4 environmental health topic areas related to global climate change in which you would like to receive training if it were available (ACPM will consider this information as additional training resources become available)

Food supply and safety	177	45%
Disease and transmitting vectors	156	40%
Air quality and respiratory disease	151	39%
Water scarcity and access to clean water	148	38%
Natural disasters (hurricanes, floods, earthquakes, fires)	145	37%
Built environment/urban planning	138	35%
Environmental public health tracking	106	27%
Agricultural safety and health	69	18%
Environmental equity	59	15%
Environmental refugees/migration	43	11%

Heat-induced health hazards	38	10%
Contact with nature	37	9%
Outdoor injury hazards	32	8%
None of the above	28	7%
*Other	15	4%

*Other – Combinations and variations of listed choices (see also #17 responses)

12. Please select up to 4 environmental health topic areas related to hazards found in the home and other indoor environments in which you would like to receive training if it were available (ACPM will consider this information as additional training resources become available)

Indoor air pollutants (e.g., environmental tobacco smoke, molds)	256	65%
Injuries in or around the home	159	41%
Heavy metals (lead, arsenic, cadmium)	151	39%
Pesticides	137	35%
Occupational injuries	134	34%
Contact with nature	101	26%
Noise	75	19%
Pests	59	15%
None of the above	38	10%
*Other	12	3%

*Other – Combinations and variations of listed choices (see also #17 responses)

13. Indicate your most preferred way to receive environmental health education and training (select ONE only)

Computer-based (Internet, CD ROM)	209	53%
In-person educational sessions at large conferences, such as the annual ACPM conference	73	19%
Print-based training manuals and reports	50	13%
In-person educational conferences or workshops specifically dedicated to environmental health	31	8%
Video conferences	15	4%
Telephone-based conferences	6	2%
*Other	8	2%
Total	392	100%

Other – Combinations and variations of listed choices, webinars with printed resources, and archived conferences

14. In what ways would you be willing to assist ACPM's environmental health related interests? (select all that apply)

None at this time	262	67%
Represent ACPM on a committee or advisory panel	62	16%
Help to develop ACPM policy	55	14%
Help to develop ACPM educational activities	55	14%
Serve as a resource to ACPM committees	54	14%
Serve as faculty or a presenter of training materials	52	13%
Become a member of ACPM's Environmental Health Committee	52	13%
Serve as a spokesperson	27	7%
*Other	13	3%

*Other – Combinations and variations of listed choices, liaison with other organizations, and writing

15. If you selected any item(s) in question 14 (other than none at this time), please indicate your area(s) of expertise, and provide your name

114 Responses - List provided upon request.

16. Are you an ACPM member?

Yes	389	99%
No	3	1%
Total	392	100%

17. Please provide any comments that you have about ACPM's role and activities with respect to environmental health related to global climate change and hazards found in the home and other indoor environments.

78 Responses - List provided upon request