

Integrating Public Health in Land Reuse and Redevelopment

Part 2: Assessing Local Health Agency Capacity to Integrate Environmental Health and Land Reuse Work

Supplemental Table 1

National Environmental Health Association Local Health Department Survey Participant Levels of Education by Service Area Type

Education Level	Urban (n = 6) # (%)	Rural (n = 37) # (%)	Suburban (n = 12) # (%)	Mixed (n = 15) # (%)	Overall (n = 70) # (%)	X ² , p- value*
Risk communication						16.5, .06
No formal training	0 (0)	14 (37.8)	5 (41.7)	6 (40.0)	25 (35.7)	
Continuing education	3 (50.0)	13 (35.1)	4 (33.3)	5 (33.3)	25 (35.7)	
1–2 courses	0 (0)	9 (24.3)	2 (16.7)	2 (13.3)	13 (18.6)	
≥3 courses	3 (50.0)	1 (2.7)	1 (8.3)	2 (13.3)	7 (10.0)	
Bachelor’s degree	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
Risk assessment						17.6, .13
No formal training	1 (16.7)	18 (48.7)	5 (41.7)	5 (33.3)	29 (41.4)	
Continuing education	2 (33.3)	10 (27.0)	5 (41.7)	5 (33.3)	22 (31.4)	
1–2 courses	1 (16.7)	8 (21.6)	2 (16.7)	4 (26.7)	15 (32.4)	
≥3 courses	2 (33.3)	0 (0)	0 (0)	1 (1.7)	3 (4.3)	
Bachelor’s degree	0 (0)	1 (2.7)	0 (0)	0 (0)	1 (1.4)	
Toxicology						8.57, .48
No formal training	3 (50.0)	29 (78.4)	7 (58.3)	10 (67.7)	49 (70.0)	
Continuing education	2 (33.3)	3 (8.1)	3 (25.0)	2 (13.3)	10 (14.3)	
1–2 courses	0 (0)	4 (10.8)	2 (16.7)	2 (13.3)	8 (11.4)	
≥3 courses	1 (16.7)	1 (2.7)	0 (0)	1 (6.7)	3 (4.3)	
Bachelor’s degree	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
Epidemiology						14.4, .28
No formal training	1 (16.7)	18 (48.7)	5 (41.7)	4 (26.7)	28 (40.0)	
Continuing education	2 (33.3)	5 (13.5)	4 (33.3)	4 (26.7)	15 (21.4)	
1–2 courses	1 (16.7)	10 (27.0)	1 (8.3)	3 (20.0)	15 (21.4)	
≥3 courses	2 (33.3)	4 (10.8)	1 (8.3)	4 (26.7)	11 (15.7)	
Bachelor’s degree	0 (0)	0 (0)	1 (8.3)	0 (0)	1 (1.4)	
Land reuse/brownfields						14.1, .12
No formal training	2 (33.3)	27 (73.0)	7 (58.3)	8 (53.3)	44 (62.9)	
Continuing education	2 (33.3)	4 (10.8)	4 (33.3)	4 (26.7)	14 (20.0)	
1–2 courses	1 (16.7)	6 (16.22)	0 (0.0)	3 (20.0)	10 (14.3)	
≥3 courses	1 (16.7)	0 (0)	1 (8.3)	0 (0)	2 (2.9)	
Bachelor’s degree	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	

*Chi-square test was used to test for differences between groups, test statistic and p-value noted in table.

Supplemental Table 2

National Environmental Health Association Local Health Department Survey Participant Activity Types by Service Area

Are You Asked to Perform the Following?	Urban (n = 6) # (%)	Rural (n = 37) # (%)	Suburban (n = 12) # (%)	Mixed (n = 15) # (%)	Overall (n = 70) # (%)	X ² , p-value*
Risk communication						6.53, .37
Yes	5 (83.3)	16 (43.2)	8 (66.7)	7 (46.7)	36 (51.4)	
No	1 (16.7)	18 (48.7)	3 (25.0)	8 (53.3)	30 (42.9)	
Not sure	0 (0)	3 (8.11)	1 (8.3)	0 (0)	4 (5.7)	
Risk assessment						4.59, .60
Yes	4 (66.7)	13 (35.1)	6 (50.0)	6 (40.0)	29 (41.4)	
No	2 (33.3)	20 (54.1)	5 (41.7)	9 (60.0)	36 (51.4)	
Not sure	0 (0)	4 (10.8)	1 (8.3)	0 (0)	5 (7.1)	
Toxicology						5.88, .44
Yes	1 (16.7)	1 (2.7)	1 (8.3)	1 (6.7)	4 (5.7)	
No	5 (83.3)	36 (97.3)	11 (91.7)	13 (86.7)	65 (92.9)	
Not sure	0 (0)	0 (0)	0 (0)	1 (6.7)	1 (1.4)	
Epidemiology						2.69, .44
Yes	3 (50.0)	9 (24.3)	2 (16.7)	5 (33.3)	19 (27.1)	
No	3 (50.0)	28 (75.7)	10 (83.3)	10 (66.7)	51 (72.9)	
Not sure	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
Land reuse/brownfields						8.06, .23
Yes	3 (50.0)	6 (16.2)	6 (50.0)	4 (26.7)	19 (27.1)	
No	3 (50.0)	27 (73.0)	6 (50.0)	10 (66.7)	46 (65.7)	
Not sure	0 (0)	4 (10.8)	0 (0)	1 (6.7)	5 (7.1)	

*Chi-square test was used to test for differences between groups, test statistic and *p*-value noted in table.