

Table 2 Response to questions evaluating basic concepts and applications of biostatistics and epidemiology

Question	Supervisors (<i>n</i> = 12)						Trainees (<i>n</i> = 28)						<i>P</i> -value
	Yes		No		Don't know		Yes		No		Don't know		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
Do you know the difference between standard deviation and standard error?	3	25	9	75	–	–	4	14	24	86	–	–	0.410
Do you know the differences between parametric and non parametric tests?	4	33		66	–	–	11	39	17	61	–	–	0.505
An independent sample <i>t</i> -test can be used to examine differences in 3 groups	5	42	3	25	4	33	4	14	8	29	16	57	0.150
Can correlational data be used to establish cause and effect relationship?	7	58	2	17	3	25	2	7	10	36	16	57	0.002
Is it correct to test for Type I error instead of Type II error in hypothesis testing?	2	17	4	33	6	50	5	18	9	32	14	50	0.995
	Correct		Inc				Correct		Incorrect				
	No.	%	No.	%			No.	%	No.	%			
Why do we use the <i>P</i> -value? What is it?	8	66		4	33		10	36	18	64			0.093
What is logistic regression analysis?	2	17		10	83		5	18	23	82			1.00
What is conditional probability?	8	66		4	33		11	39	17	61			0.170
What is stratified random sampling?	5	42		7	58		12	43	16	57			1.00
What is the difference between incidence and prevalence?	11	92		1	8		21	75	7	25			0.396
How does odds ratio differ from relative risk?	3	25		9	75		11	39	17	61			0.484
What is the difference between sensitivity and specificity?	10	83		2	17		18	64	10	36			0.285