

UK saddle survey Part 2 – Behavioural and physical responses of horses to saddles during mounting and riding

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Logistic regression output

Table S1. Final step of binary logistic regression using the dichotomous variable: Cold backed ‘yes’ vs ‘no’ across all disciplines (n=3264); df: degrees of freedom.

Factor	Beta	Standard Error	Wald	df	Probability	Odds ratio	95% Confidence Interval (CI)	
							Lower CI	Upper CI
Never use the same saddle on multiple horses			41.410	4	0.0004	Reference		
Occasionally use the same saddle on multiple horses	0.177	0.121	2.121	1	0.145	1.193	0.941	1.513
Sometimes use the same saddle on multiple horses	0.365	0.165	4.874	1	0.027	1.441	1.042	1.993
Often use the same saddle on multiple horses	0.910	0.174	27.293	1	0.0004	2.483	1.765	3.493
Always use the same saddle on multiple horses	0.944	0.222	18.064	1	0.0004	2.569	1.663	3.970
Skin trauma under saddle area: Never			7.415	4	0.116	Reference		
Skin trauma under saddle area: Occasionally	0.094	0.164	0.330	1	0.566	1.099	0.796	1.517
Skin trauma under saddle area: Sometimes	0.250	0.294	0.721	1	0.396	1.284	0.721	2.287
Skin trauma under saddle area: Often	0.651	0.608	1.145	1	0.285	1.917	0.582	6.309
Skin trauma under saddle area: Always	-2.470	1.084	5.193	1	0.023	0.085	0.010	0.708
Coat discolouration under saddle area: Never			9.441	4	0.051	Reference		
Coat discolouration under saddle area: Occasionally	0.275	0.141	3.775	1	0.052	1.316	0.998	1.737
Coat discolouration under saddle area: Sometimes	-0.043	0.284	0.023	1	0.880	0.958	0.549	1.672
Coat discolouration under saddle area: Often	-1.083	0.666	2.645	1	0.104	0.338	0.092	1.249
Coat discolouration under saddle area: Always	0.652	0.375	3.030	1	0.082	1.920	0.921	4.004

Behavioural response to saddling/girthing: Never			24.156	4	0.0004	Reference		
Behavioural response to saddling/girthing: Occasionally	0.482	0.142	11.501	1	0.001	1.619	1.225	2.139
Behavioural response to saddling/girthing: Sometimes	0.682	0.164	17.311	1	0.0004	1.978	1.434	2.727
Behavioural response to saddling/girthing: Often	0.764	0.175	19.075	1	0.0004	2.147	1.524	3.025
Behavioural response to saddling/girthing: Always	0.387	0.235	2.721	1	0.099	1.473	0.930	2.335
Tenderness to touch under the saddle: Never			18.062	4	0.001	Reference		
Tenderness to touch under the saddle: Occasionally	0.230	0.112	4.251	1	0.039	1.259	1.011	1.566
Tenderness to touch under the saddle: Sometimes	0.348	0.164	4.508	1	0.034	1.416	1.027	1.952
Tenderness to touch under the saddle: Often	0.418	0.267	2.439	1	0.118	1.518	0.899	2.564
Tenderness to touch under the saddle: Always	1.831	0.518	12.517	1	0.0004	6.240	2.263	17.207
Behavioural response to mounting: Never			209.044	4	.0004	Reference		
Behavioural response to mounting: Occasionally	0.905	0.115	61.838	1	0.000	2.471	1.972	3.096
Behavioural response to mounting: Sometimes	1.471	0.162	82.353	1	0.000	4.352	3.168	5.979
Behavioural response to mounting: Often	2.524	0.216	136.403	1	0.000	12.484	8.173	19.069
Behavioural response to mounting: Always	2.769	0.391	50.222	1	0.000	15.935	7.410	34.269
Constant	-3.569	0.133	725.334	1	0.000	0.028		

Discipline specific information

Dressage

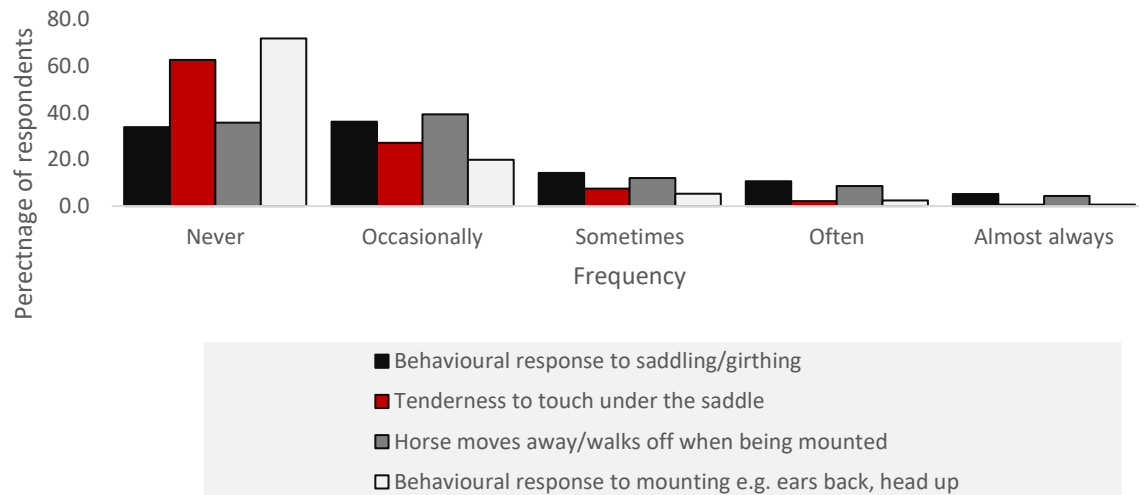


Figure S1. Frequency of observed adverse signs during saddling and mounting in dressage respondents.

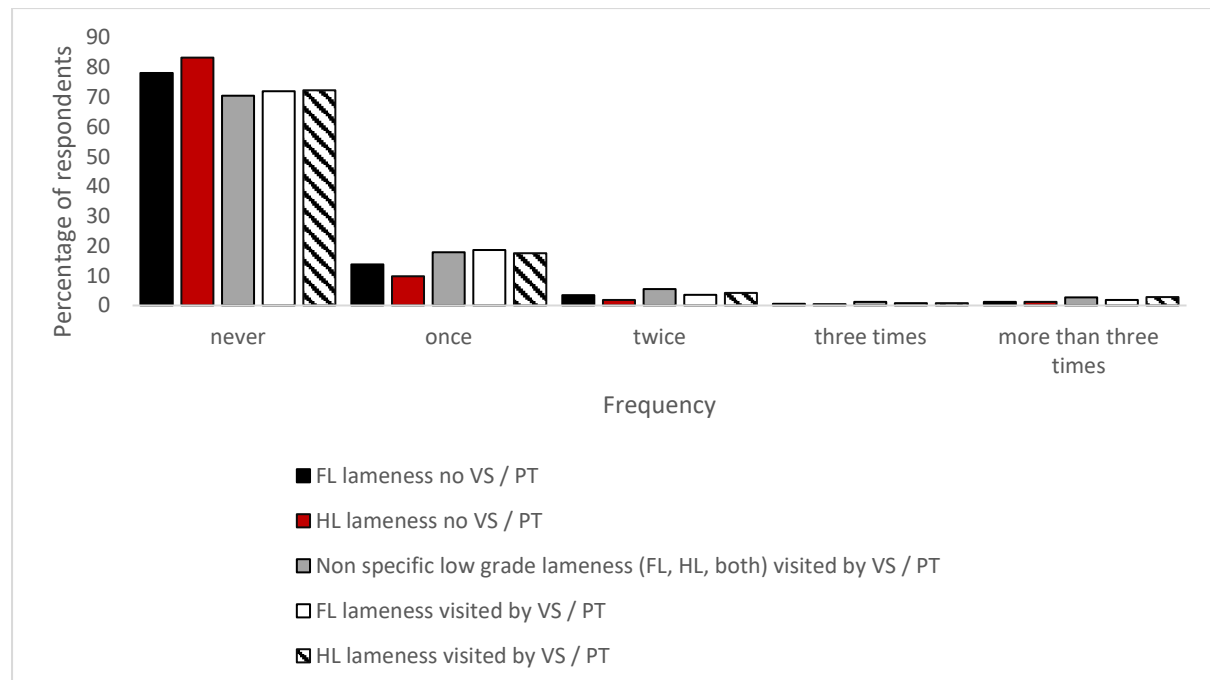


Figure S2. Frequency of lameness in dressage horses (FL = Forelimb; HL = hindlimb; VS = Veterinary Surgeon; PT = Physiotherapist).

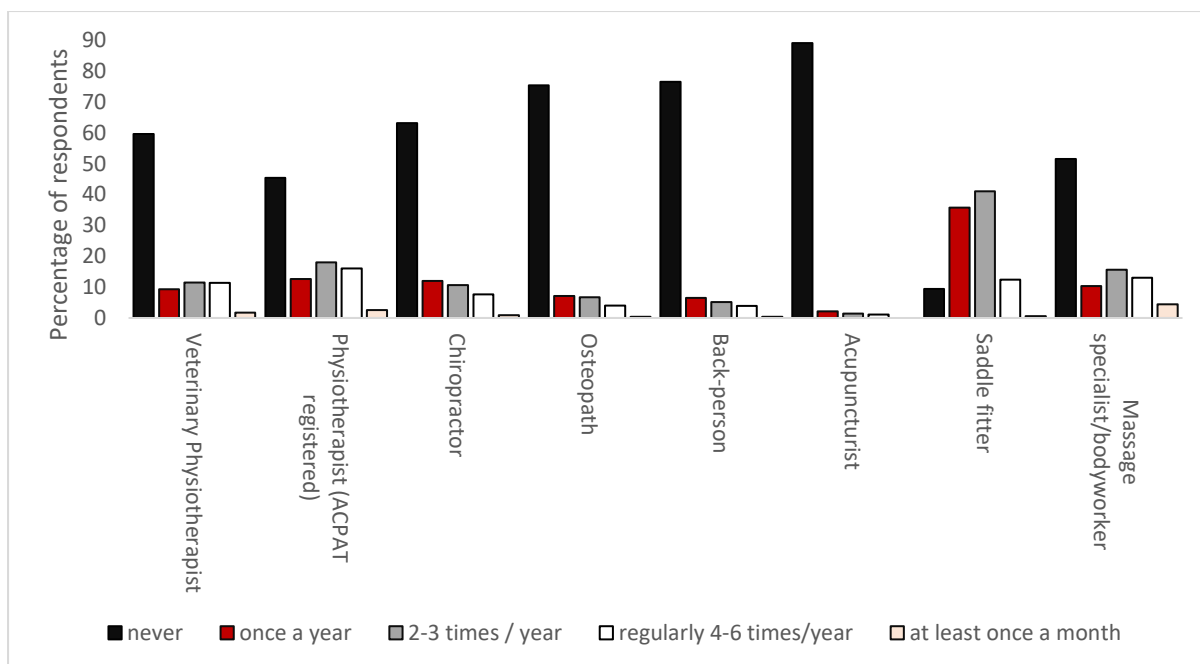


Figure S3. Frequency of using professionals in dressage respondents.

Showjumping

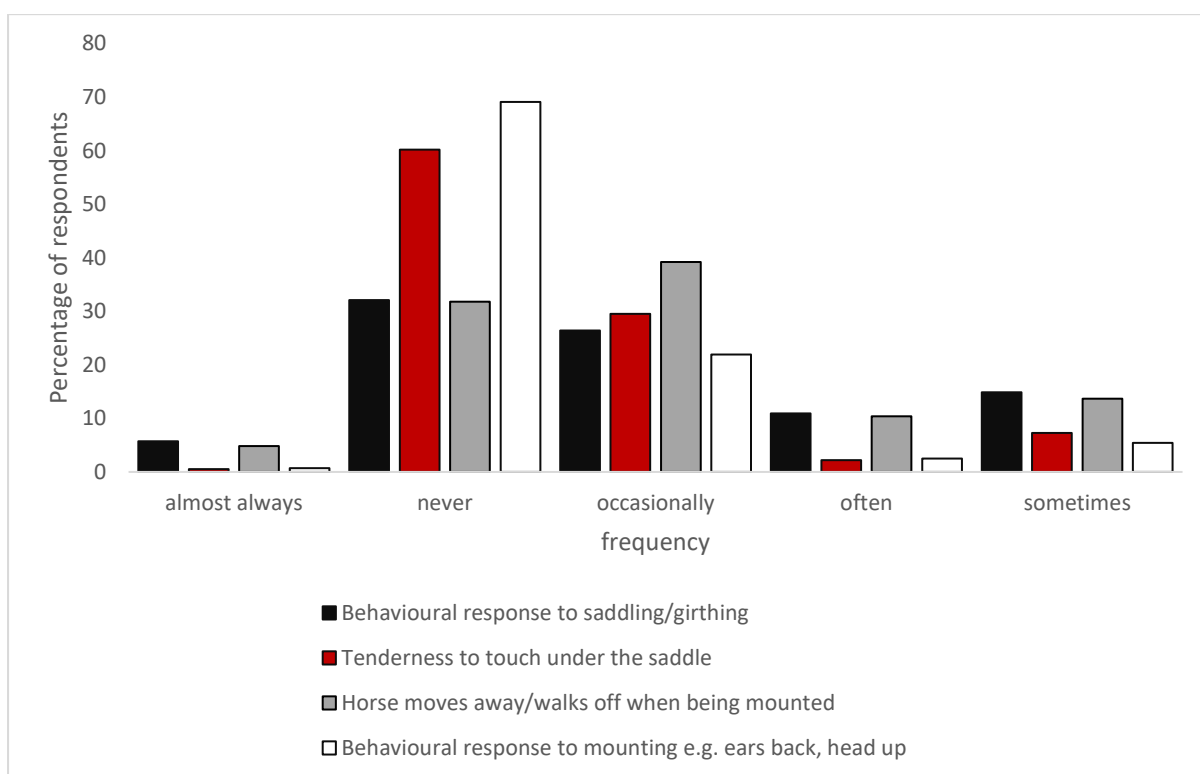


Figure S4. Frequency of observed adverse signs during saddling and mounting in showjumping respondents

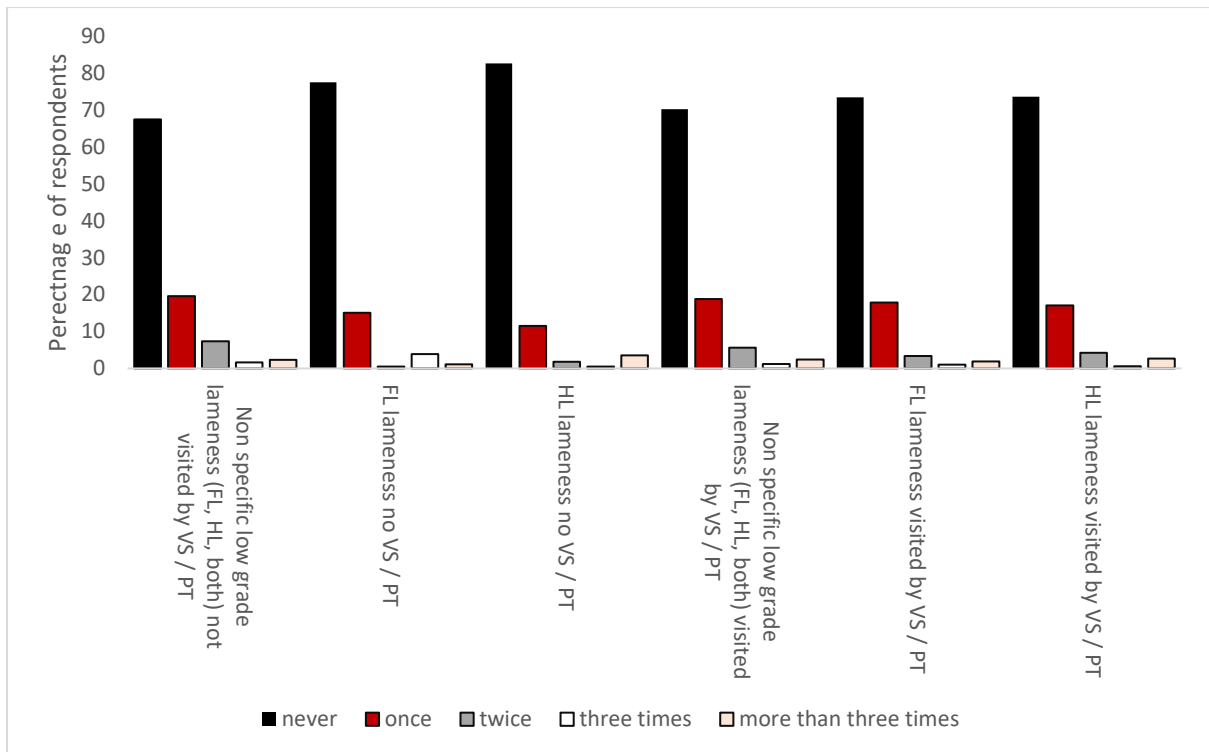


Figure S5. Frequency of lameness in showjumping horses

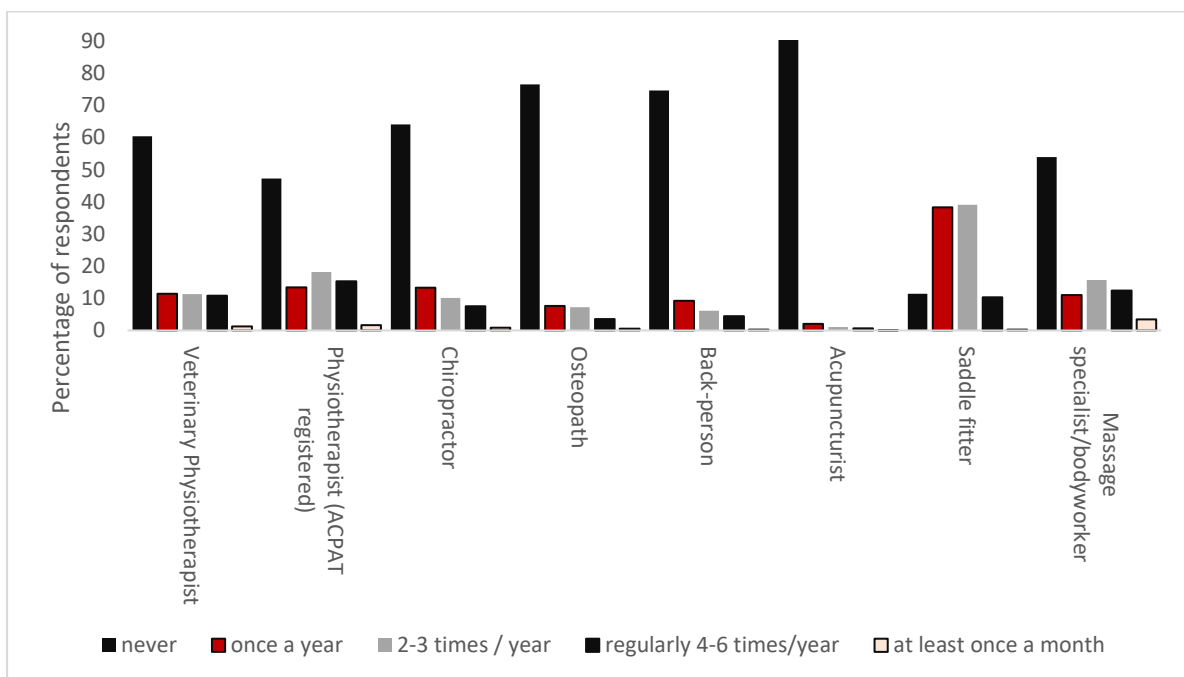


Figure S6. Frequency of using professionals in showjumping respondents

Eventing

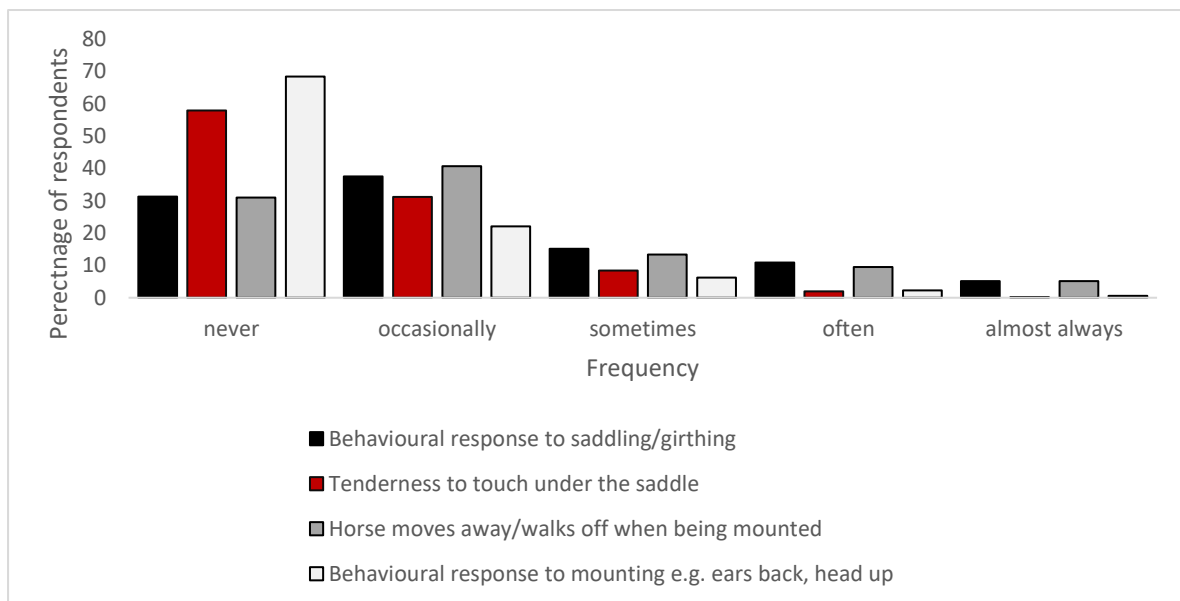


Figure S7. Frequency of observed adverse signs during saddling and mounting in eventing respondents.

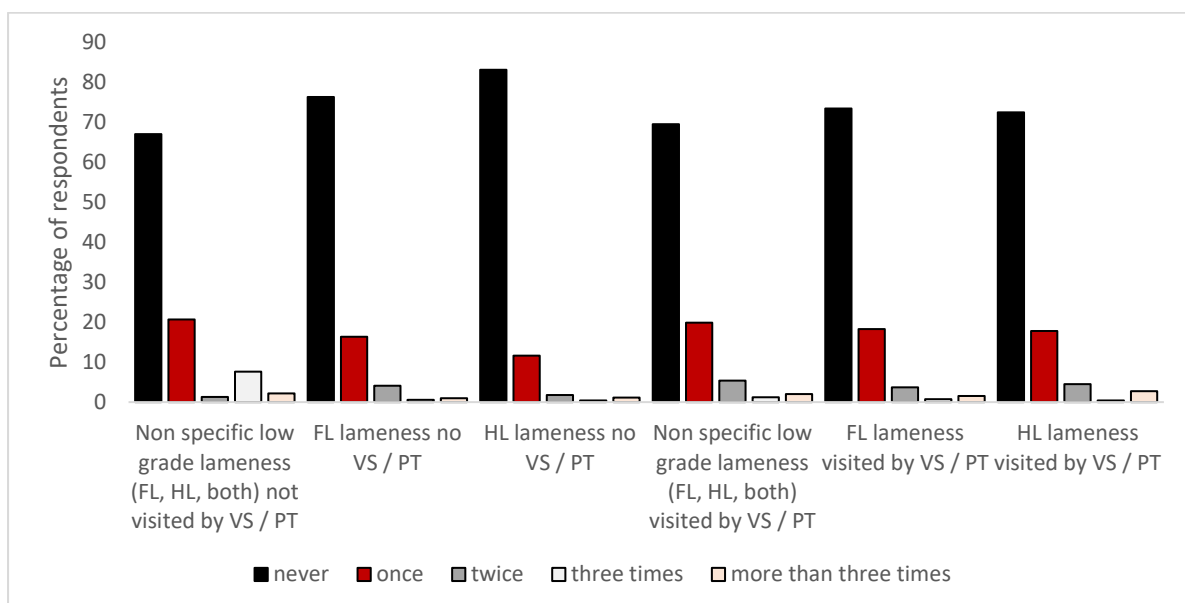


Figure S8. Frequency of lameness in event horses

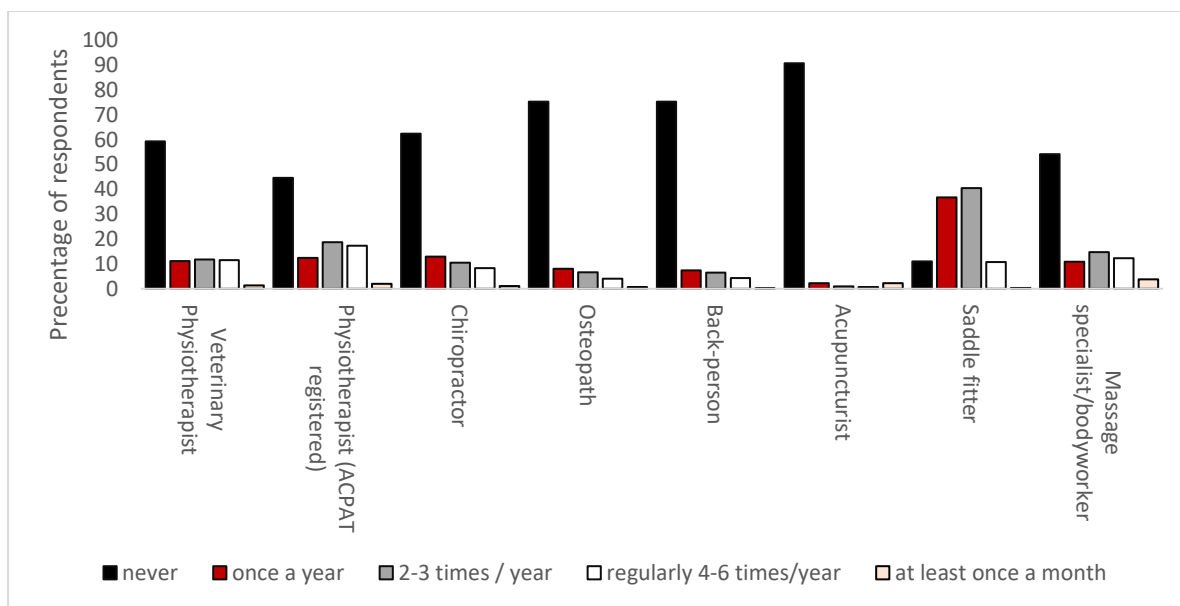


Figure S9. Frequency of using professionals in eventing respondents