

## 1.7 Tables

Table 1.1 Descriptive Statistics of the sample of early-career veterinarians in Canada in 2022 - 2024, including demographic and lifestyle information, Mental Health (MH) and Emotional Intelligence (EI) scores measured using the Short Emotional Intelligence Questionnaire - Short Form (TEIQue-SF). \*Small sample sizes were observed for some genders and ethnicities, which required grouping together to protect participants' identities

<b>Demographic</b>			
<b>Time after graduation</b>	<b>Graduation (t1) (n = 194)</b>	<b>6 months (t2) (n = 91)</b>	<b>12 months (t3) (n = 82)</b>
	<b>No. of Responses (% of sample)</b>	<b>No. of Responses (% of sample)</b>	<b>No. of Responses (% of sample)</b>
<b>Graduating Class</b>			
2022 (Cohort 1)	98 (50.5)	53 (58.2)	45 (54.9)
2023 (Cohort 2)	96 (49.5)	38 (41.8)	37 (45.1)
<b>School</b>			
University of Prince Edward Island - Atlantic Veterinary College (AVC)	43 (22.2)	15 (16.5)	10 (12.2)
Université de Montréal - Faculté de Médecine Vétérinaire (FMV)	12 (6.2)	3 (3.3)	6 (7.3)
University of Guelph - Ontario Veterinary College (OVC)	62 (32.0)	29 (31.9)	28 (34.1)
University of Calgary - Faculty of Veterinary Medicine (UCVM)	30 (15.5)	11 (12.1)	11 (13.4)
University of Saskatchewan - Western College of Veterinary Medicine (WCVM)	47 (24.2)	33 (36.3)	27 (32.9)

<b>Gender</b>						
Cis men	21 (10.8)		8 (8.8)		9 (11.0)	
Cis women	165 (85.1)		79 (86.8)		70 (85.4)	
Queer, trans, prefer not to say*	8 (4.1)		4 (4.4)		3 (3.7)	
<b>2SLGBTQIA+</b>						
No	151 (77.8)		60 (65.9)		61 (74.4)	
Yes or Questioning	43 (22.2)		31 (34.1)		21 (25.6)	
<b>Ethnicity</b>						
White	157 (80.9)		75 (82.4)		68 (82.9)	
Other ethnic identities*	37 (19.1)		16 (17.6)		14 (17.1)	
<b>Career Type</b>						
Clinical (small, large, and mixed)	141 (72.7)		75 (82.4)		70 (85.4)	
Undecided	40 (20.6)		14 (15.4)		6 (7.3)	
Non-clinical (academia, production, laboratory, and non-veterinary fields)	13 (6.7)		2 (2.2)		6 (7.3)	
<b>Relationship status</b>						
In a relationship, common law, or married	121 (62.4)		62 (68.1)		53 (64.6)	
Single or separated	73 (37.6)		29 (31.9)		29 (35.4)	
<b>MH</b>						
No Mental Health Condition (MHC)	47 (24.2)		19 (20.9)		12 (14.6)	
MHC and No treatment	62 (32.0)		37 (40.7)		33 (40.2)	
MHC and Treatment	85 (43.8)		35 (38.5)		37 (45.1)	
	<b>Mean (SD)</b>	<b>IQR</b>	<b>Mean (SD)</b>	<b>IQR</b>	<b>Mean (SD)</b>	<b>IQR</b>

Age	27.1 (2.5)	26 - 28	27.1 (2.7)	26 - 28	27.1 (2)	26 - 28
-----	---------------	---------	---------------	---------	----------	---------

**Table 1.2 Descriptive Statistics of the Emotional Intelligence (EI) scores of early-career veterinarians in Canada in 2022 - 2024 measured using the Short Emotional Intelligence Questionnaire - Short Form (TEIQue-SF). Higher scores indicate higher proficiency in EI.**

Time after graduation	<b>Graduation (t1) (n = 194)</b>		<b>6 months (t2) (n = 91)</b>		<b>12 months (t3) (n = 82)</b>	
TEIQue-SF Score (range: 1-7 for each facet)	<b>Mean (SD)</b>	<b>IQR</b>	<b>Mean (SD)</b>	<b>IQR</b>	<b>Mean (SD)</b>	<b>IQR</b>
Well-being	5.40 (1.06)	4.67 - 6.17	5.32 (1.13)	4.67 - 6.25	5.43 (1.00)	4.83 - 6.17
Self-Control	4.59 (0.94)	4.00 - 5.17	4.44 (0.86)	4.00 - 4.83	4.56 (0.90)	4.00 - 5.17
Emotionality	5.05 (0.93)	4.50 - 5.75	5.05 (0.93)	4.38 - 5.88	5.18 (0.86)	4.62 - 5.88
Sociability	4.46 (1.01)	3.71 - 5.29	4.29 (1.03)	3.67 – 5.00	4.60 (0.96)	4.17 - 5.33
Global EI	4.93 (0.75)	4.48 - 5.50	4.83 (0.78)	4.33 - 5.38	4.99 (0.77)	4.54 - 5.56

**Table 1.3 The average (95% CI) of EI scores, including all four facets: Well-being, Self-Control, Emotionality, and Sociability, divided according to the Low EI (n = 92) and High EI (n = 102) groups. Scores for the total sample (n = 194) and normative population averages (n = 1721) are also shown (Petrides & Furnham, 2006).**

<b>Average (95%CI)</b>				
	Low EI Group among sample (n = 92)	High EI Group among sample (n = 102)	Total sample (n = 194)	Normative population (n = 1721)*
<b>Global EI</b>	4.30 (95%CI 4.20 - 4.40)	5.51 (95%CI 5.43 - 5.59)	4.93 (95%CI 4.83 - 5.04)	5.11 (95%CI 5.07 - 5.15)
<i>Facets</i>				
<b>Well-Being</b>	4.62 (95%CI 4.42 - 4.81)	6.10 (95%CI 6.00 - 6.21)	5.4 (95%CI 5.25 - 5.55)	5.42 (95%CI 5.37 - 5.47)
<b>Self-Control</b>	4.03 (95%CI 3.86 - 4.19)	5.10 (95%CI 4.96 - 5.25)	4.59 (95%CI 4.46 - 4.73)	4.62 (95%CI 4.58 - 4.66)
<b>Emotionality</b>	4.49 (95%CI 4.31 - 4.67)	5.55 (95%CI 5.42 - 5.68)	5.05 (95%CI 4.91 - 5.18)	5.25 (95%CI 5.21 - 5.29)
<b>Sociability</b>	3.82 (95%CI 3.62 - 4.01)	5.04 (95%CI 4.91 - 5.18)	4.46 (95%CI 4.32 - 4.60)	4.97 (95%CI 4.93 - 5.01)

\* = (Petrides & Furnham, 2006)

**Table 1.4 The final linear mixed-effect model assessing factors that influence each Emotional Intelligence (EI) facet (i.e., Well-being, Self-control, Emotionality, and Sociability) in a sample of 214 early-career veterinarians in Canada in 2022 - 2024. Statistically significant p-values (<0.05) of variables are bolded.**

Variable	Level	Coef.	SE	<i>p</i>	Coef.	SE	<i>p</i>	Coef.	SE	<i>p</i>	Coef.	SE	<i>p</i>
<b>Random</b> <i>Intercept</i>		<b>Well-being</b>			<b>Self-Control</b>			<b>Emotionality</b>			<b>Sociability</b>		
		0.654	0.459		0.625	0.473		0.783	0.326		0.784	0.416	
		4.976	0.260	<b>&lt;0.001</b>	4.053	0.245	<b>&lt;0.001</b>	5.121	0.209	<b>&lt;0.001</b>	4.432	0.270	<b>&lt;0.001</b>
Gender	Cis men Cis women Other <sup>1</sup>	(0.051)			(0.329)			(0.004)			(0.016)		
		Ref.			Ref.			Ref.			Ref.		
		0.306	0.177	<i>0.085</i>	-0.083	0.196	<i>0.672</i>	0.244	0.197	<i>0.223</i>	-0.306	0.222	<i>0.171</i>
		-0.212	0.298	<i>0.479</i>	0.739	0.585	<i>0.209</i>	-0.527	0.300	<i>0.065</i>	-1.239	0.939	<i>0.189</i>
2SLGBTQIA+	No Yes or Questioning	(0.004)			(0.043)			(0.209)			(0.768)		
		Ref.			Ref.			Ref.			Ref.		
		-0.063	0.120	<i>0.602</i>	-0.066	0.119	<i>0.578</i>	-0.095	0.118	<i>0.421</i>	-1.004	0.454	<i>0.029</i>
School	Atlantic Veterinary College (AVC) Faculté de médecine vétérinaire (FMV)	(0.017)											
		Ref.			-			-			-		
		-0.295	0.239	<i>0.218</i>	-			-			-		

	Ontario Veterinary College (OVC)	-0.398	0.151	0.009	-	-	-
	University of Calgary - Faculty of Veterinary Medicine (UCVM)	0.003	0.180	0.985	-	-	-
	Western College of Veterinary Medicine (WCVM)	-0.244	0.156	0.119	-	-	-
Career					(0.964)	(0.026)	(0.010)
	Clinical	-			Ref.	Ref.	Ref.
	Non-clinical	-			0.921 0.373 0.015	0.145 0.376 0.701	-0.046 0.180 0.799
	Undecided	-			-0.120 0.165 0.467	-0.391 0.145 0.008	-0.341 0.107 0.002
History of MH				(<0.001)	(<0.001)	(0.001)	(<0.001)
	No MHC	Ref.			Ref.	Ref.	Ref.
	Current MHC and treatment	-0.686 0.107 <0.001			-0.090 0.314 0.775	-0.294 0.094 0.002	-0.237 0.109 0.001
	Current MHC and no treatment	-0.663 0.102 <0.001			-0.853 0.288 0.004	-0.378 0.102 <0.001	-0.360 0.105 0.026
Relationship						(0.034)	
	In a relationship, common law, or married	-			-	Ref.	-

	Single or separated	-			-			-0.137   0.083   0.10			-		
Disability								(0.049)					
	No	-			-			Ref.			-		
	Yes	-			-			0.184   0.1   0.070			-		
	Prefer not to say	-			-			-0.282   0.163   0.086			-		
Outdoors		(<0.001)			(<0.001)						(<0.001)		
	None	Ref.			Ref.			-			Ref.		
	Low	0.307	0.153	0.046	0.558	0.143	<0.001	-			0.319	0.149	0.034
	Moderate	0.568	0.165	0.001	0.562	0.156	<0.001	-			0.560	0.164	0.001
	High	0.760	0.193	<0.001	0.689	0.184	<0.001	-			0.658	0.194	0.001
	Very High	0.614	0.266	0.022	0.314	0.260	0.229	-			0.874	0.270	0.001
Social		(<0.001)			(<0.001)			(0.006)			(0.082)		
	Low	Ref.			Ref.			Ref.			Ref.		
	Moderate	0.121	0.104	0.245	0.216	0.098	0.030	-0.098	0.085	0.248	-0.051	0.103	0.623
	High	0.367	0.116	0.002	0.444	0.111	<0.001	0.070	0.097	0.472	0.166	0.115	0.152
	Very High	0.739	0.135	<0.001	0.534	0.129	<0.001	0.215	0.116	0.066	0.154	0.137	0.263
Interactions Gender x MH													
					(0.038)								
	Cis women and current MHC and no treatment	-			-0.321	0.329	0.331	-			-		
	Other gender and current MHC and no treatment	-			-1.536	0.713	0.033	-			-		



	Cis women and current MHC and treatment	-	0.269	0.302	0.374	-	-
	Other gender and current MHC and treatment	-	-0.179	0.684	0.793	-	-
Gender x 2SLGBTQIA+							(0.048)
	Cis women and 2SLGBTQIA+or questioning	-	-			-	1.178 0.473 0.014
	Other and 2SLGBTQIA+or questioning	-	-			-	1.243 1.059 0.243
Career x MH					(0.069)	(0.045)	
	Non-clinical and current MHC and no treatment	-	-1.007	0.470	0.034	-0.274 0.440 0.535	-
	Undecided and current MHC and no treatment	-	-0.051	0.253	0.842	0.411 0.232 0.079	-
	Non-clinical and current MHC and treatment	-	-1.053	0.432	0.016	-0.619 0.417 0.140	-
	Undecided and current MHC and treatment	-	0.260	0.220	0.239	0.413 0.192 0.034	-

<sup>1</sup> = Other gender identities include trans, queer, and prefer not to disclose, grouped together due to low numbers to protect participant identities

## 1.8 Figures

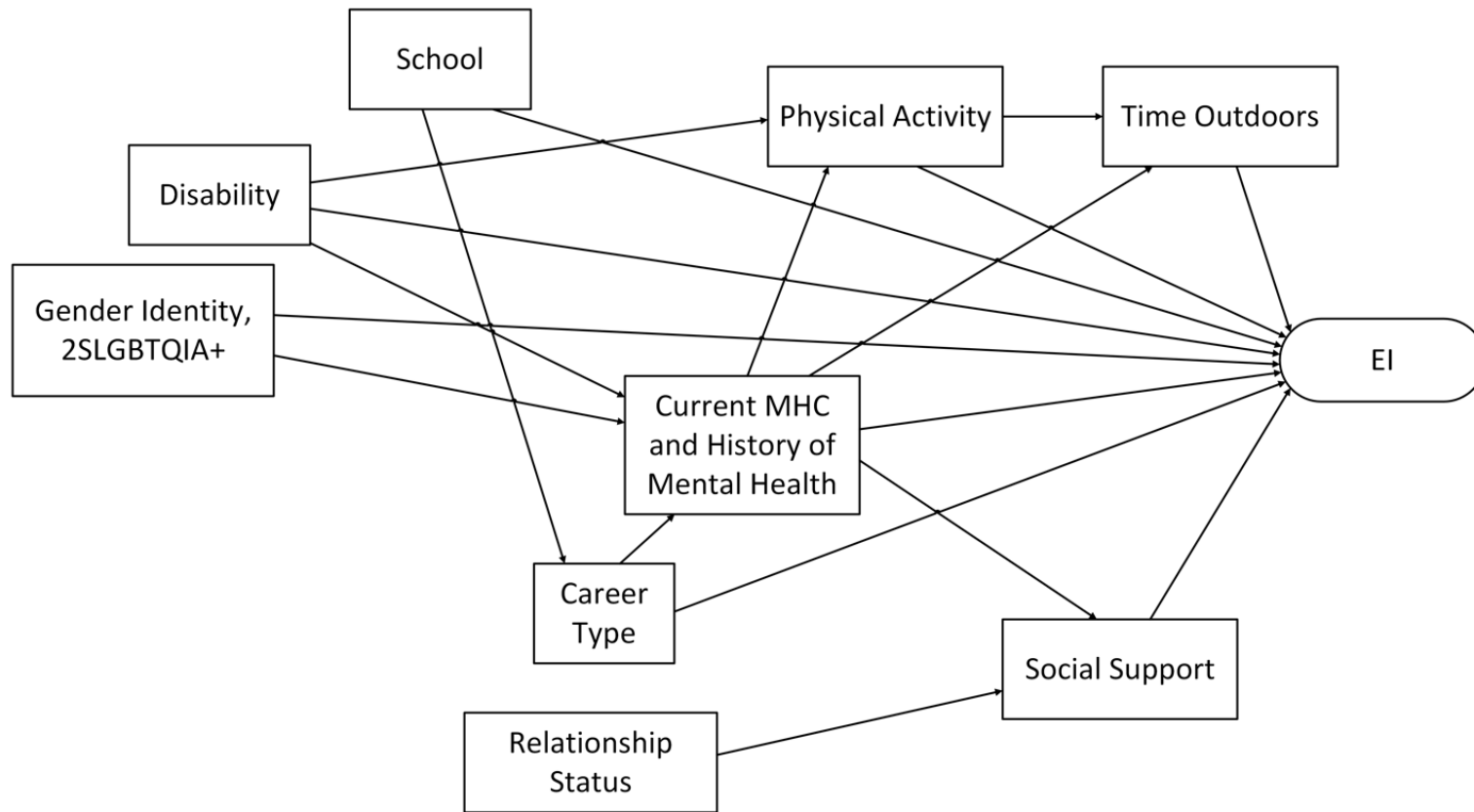


Figure 1.1 Causal Diagram describing the assumed relationship of variables of interest to Emotional Intelligence (EI) scores in 214 early-career veterinarians in Canada sampled in 2022 - 2024.