

"Are Pharmacists on the Frontlines of the Opioid Epidemic? A Cross Sectional Study of the Practices and Competencies of Community and Hospital Pharmacists in Punjab, Pakistan"

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S2 Table Details the individual competency scores against different variables.

Variable	Category	Opioids & Society (C1)		Opioids’ Physiology (C2)		Opioids’ Pharmacology (C3)		Opioids’ Pharmacokinetic & Drug Interaction (C4)		Therapeutic use of Opioids (C5)		Opioids’ Education (C6)		Opioids Dispensing (C7)		Opioids & Pain Management (C8)		Course of Opioid Therapy (C9)		Opioids’ Use monitoring (C10)		Opioid Overdose Management (C11)	
		Mean (SD)	t (p-value)	Mean (SD)	t (p-value)	Mean (SD)	t (p-value)	Mean (SD)	t (p-value)	Mean (SD)	t (p-value)	Mean (SD)	t (p-value)	Mean (SD)	t (p-value)	Mean (SD)	t (p-value)	Mean (SD)	t (p-value)	Mean (SD)	t (p-value)	Mean (SD)	t (p-value)
Gender	Male	1.45 (0.956)	-0.160 (0.873)	2.05 (1.353)	-0.966 (0.335)	1.95 (1.389)	-1.649 (0.100)	1.88 (1.280)	0.250 (0.803)	1.36 (1.198)	-1.329 (0.184)	2.17 (1.205)	-1.030 (0.303)	2.18 (1.352)	-1.200 (0.231)	1.78 (1.115)	0.048 (0.962)	1.91 (1.376)	1.620 (0.106)	1.42 (1.049)	-0.251 (0.802)	1.49 (1.316)	-0.589 (0.556)
	Female	1.46 (0.957)		2.15 (1.388)		2.12 (1.442)		1.86 (1.239)		1.48 (1.244)		2.27 (1.219)		2.30 (1.307)		1.77 (1.083)		1.75 (1.374)		1.44 (1.079)		1.55 (1.286)	
System of assessment in the Pharm-D degree program	Annual	1.49 (0.995)	1.054 (0.292)	2.17 (1.379)	1.639 (0.102)	2.05 (1.409)	0.826 (0.409)	1.90 (1.257)	0.608 (0.543)	1.39 (1.215)	-0.364 (0.716)	2.22 (1.210)	0.225 (0.822)	2.28 (1.285)	1.104 (0.270)	1.85 (1.098)	1.869 (0.062)	1.87 (1.474)	0.348 (0.728)	1.46 (1.074)	0.735 (0.462)	1.57 (1.350)	1.235 (0.219)
	Semester	1.42 (0.919)		2.01 (1.351)		1.97 (1.411)		1.85 (1.273)		1.42 (1.216)		2.20 (1.211)		2.17 (1.379)		1.71 (1.104)		1.84 (1.287)		1.40 (1.047)		1.46 (1.263)	
Type of institute	Public	1.49 (0.955)	1.144 (0.253)	2.16 (1.339)	1.625 (0.105)	2.02 (1.372)	0.248 (0.805)	1.96 (1.322)	2.066 (0.039) *	1.42 (1.244)	0.461 (0.645)	2.21 (1.221)	0.065 (0.948)	1.22 (1.351)	-0.082 (0.935)	1.89 (1.118)	2.939 (0.003) *	1.92 (1.479)	1.315 (0.189)	1.49 (1.096)	1.696 (0.090)	1.58 (1.337)	1.573 (0.116)
	Private	1.41 (0.956)		2.01 (1.390)		2.00 (1.196)		1.78 (1.196)		1.38 (1.185)		1.21 (1.200)		1.22 (1.322)		1.66 (1.075)		1.79 (1.258)		1.36 (0.016)		1.43 (0.268)	
Highest level of education	Masters	1.57 (0.960)	1.666 (0.096)	2.43 (1.353)	3.475 (0.001) *	2.24 (1.469)	2.259 (0.024) *	2.02 (1.351)	1.618 (0.106)	1.85 (1.244)	5.118 (0.000) *	2.41 (1.288)	2.173 (0.031) *	2.32 (1.371)	1.004 (0.316)	1.92 (1.137)	1.877 (0.061)	2.08 (1.494)	2.189 (0.030) *	1.62 (1.065)	2.539 (0.011) *	1.55 (1.315)	0.413 (0.680)
	Pharm-D/ B- Pharm	1.43 (0.953)		2.00 (1.357)		1.95 (1.390)		1.84 (1.241)		1.30 (1.184)		2.16 (1.186)		2.20 (1.327)		1.74 (1.092)		1.80 (1.341)		1.38 (0.053)		1.50 (1.303)	
Have you completed any continuous professional development courses in last TWO years?	Yes	1.53 (0.966)		2.03 (1.385)		2.01 (1.526)		1.94 (1.317)		1.49 (1.197)		2.20 (1.239)		2.25 (1.440)		1.76 (1.108)		1.75 (1.445)		1.40 (1.051)		1.33 (1.259)	
	No	1.43 (0.952)	1.230 (0.219)	2.10 (1.360)	-0.586 (0.558)	2.01 (1.375)	0.012 (0.991)	1.85 (1.250)	0.851 (0.395)	1.38 (1.220)	1.008 (0.314)	2.21 (1.203)	-0.103 (0.896)	2.21 (1.305)	0.327 (0.744)	1.78 (1.102)	-0.154 (0.878)	1.88 (1.356)	-1.180 (0.238)	1.44 (1.063)	-0.444 (0.658)	1.56 (1.314)	-2.113 (0.035) *
Employment status	Full-time	1.50 (0.955)	2.520 (0.012) *	2.14 (1.350)	2.211 (0.027) *	2.08 (1.398)	2.581 (0.010) *	1.96 (1.264)	3.768 (0.000) *	1.46 (1.228)	2.412 (0.017) *	2.29 (1.196)	3.483 (0.001) *	2.31 (1.350)	3.875 (0.000) *	1.82 (1.094)	2.116 (0.035) *	1.91 (1.390)	2.162 (0.031) *	1.50 (1.076)	3.803 (0.000) *	1.55 (1.324)	1.537 (0.125)
	Part-time	1.29 (0.941)		1.88 (1.405)		1.76 (1.428)		1.55 (1.219)		1.21 (1.150)		1.92 (1.220)		1.89 (1.232)		1.62 (1.123)		1.65 (1.310)		1.17 (0.958)		1.38 (1.229)	
If pharmacy is in hospital, type of hospital:	Public	1.67 (0.943)	2.628 (0.009) *	2.34 (1.344)	1.417 (0.157)	2.17 (1.429)	0.783 (0.434)	2.02 (1.490)	1.053 (0.293)	1.59 (1.269)	1.242 (0.215)	2.20 (1.292)	-0.282 (0.778)	1.91 (1.233)	-1.126 (0.261)	1.95 (1.181)	1.056 (0.292)	2.15 (1.586)	1.719 (0.087)	1.48 (1.023)	0.620 (0.536)	1.58 (1.306)	0.372 (0.710)
	Private	1.35 (0.988)		2.10 (1.284)		2.02 (1.475)		1.84 (1.252)		1.39 (1.195)		2.25 (1.323)		2.10 (1.367)		1.79 (1.043)		1.84 (1.345)		1.39 (1.167)		1.52 (1.253)	
Type of pharmacy practice	Community	1.39 (0.944)	-2.389 (0.017) *	1.99 (1.379)	-2.620 (0.009) *	1.95 (1.389)	-1.598 (0.111)	1.83 (1.172)	-1.322 (0.187)	1.34 (1.194)	-2.033 (0.042) *	2.20 (1.159)	-0.174 (0.862)	2.36 (1.349)	3.847 (0.000) *	1.71 (1.078)	-2.312 (0.021) *	1.75 (1.283)	-2.803 (0.005) *	1.41 (1.054)	-0.422 (0.673)	1.48 (1.315)	-0.848 (0.397)
	Hospital	1.56 (0.968)		2.26 (1.327)		2.12 (1.443)		1.96 (1.416)		1.52 (1.246)		2.22 (1.300)		1.97 (1.279)		1.90 (1.138)		2.05 (1.515)		1.45 (1.071)		1.56 (1.287)	

*Independent t-test, p-value (≥0.05) Bold values indicate statistical significance.
SD= standard deviation, C= competency