

Mental Health of Muslim Healthcare Workers: Appendix

1: PHQ-4:

Over the last 2 weeks, how often have you been bothered by the following problems:	Not at all	Several days	More than half the days	Nearly every day
Little interest or pleasure in doing things				
Feeling down, depressed, or hopeless				
Feeling nervous, anxious, or on edge				
Not being able to stop or control worrying				

2: Coping and PHQ-4:

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
VARI ABLE S	Mild	Mode rate or sever e	Anxie ty	Depr essio n	Mild	Mode rate or sever e	Anxie ty	Depr essio n	Mild psyc	Mode rate or sever e	Anxie ty	Depr essio n	Mild	Mode rate or sever e	Anxie ty	Depre ssion
Heal thy																



copi ng strat egies										
Journal	ling									
No (Ref.)										
Yes	1.696 *	1.976 *	1.638 *	1.423						
Exercis	ing									
No (Ref.)										
Yes	0.794	0.858	1.095	1.127						
Calling friends family	and									
No (Ref.)										
Yes	1.036	0.864	0.971	0.653						
Health religio coping strates	ny ous g gies									
Extra p (salat)	rayer									



No (Ref.)												
Yes					1.087	0.978	1.017	0.645				
Extra du'aa												
No (Ref.)												
Yes					1.302	2.135 *	1.529	1.356				
Readin Quran	g											
No (Ref.)												
Yes					0.793	o.88 4	1.034	1.333				
Looking in the s	g for a le ituation	sson fror	n Allah									
No (Ref.)												
Yes					1.325	1.049	0.782	0.842				
Telling me clos	myself t	hat suffe	ring may	bring								
No (Ref.)												



Yes				0.975	1.004	0.90 8	1.119						
Trying blessin	to remer	nber my nank Allal	h										
No (Ref.)													
Yes				1.069	0.379 *	0.543	0.49 0						
Unh ealth y copi ng strat egies													
Eating comfor	t food												
No (Ref.)													
Yes								1.390	<mark>2.240</mark> *	2.395 *	1.846		
Tobacc produc													
No (Ref.)													





Yes					0.977	5·733 **	4·374 **	1.045		
Drugs a	and/or									
No (Ref.)										
Yes					0.874	1.525	1.037	2.692		
Sleepin than us	g more sual									
No (Ref.)										
Yes					1.830 **	2.067 **	1.704 *	2.047 **		
Shoppi	ng									
No (Ref.)										
Yes					1.023	2.339 ***	2.147 **	2.587 ***		
Unhea religio coping strates	olthy ous gies									
Feeling with Al	angry lah									





	-			_	_							
No (Ref.)												
Yes									1.129	1.737	1.241	2.625 *
Wonde being p Allah	ering if I a ounished	am by										
No (Ref.)												
Yes									2.026 *	4.913 ***	2.948 ***	2.417* *
Losing wisdon	my faith n or com	in Allah' passion	s									
No (Ref.)												
Yes									0.96 0	1.183	1.248	1.846
Models	control	led for ra	ce, gende	er, age.								
*** p<0	0.001, **	p<0.01,	* p<0.05	,								

3: Feeling Angry and PHQ-4





	Feeling angry ("Occasionally" or "Regularly") since the start of the pandemic
VARIABLES	
Unhealthy religious coping strategies	
Feeling angry with Allah	
No (Ref.)	
Yes	<mark>8.205**</mark>
	(1.823 - 36.93)
Wondering if I am being punished by A	Allah
No (Ref.)	
Yes	<mark>1.829*</mark>
	(1.075 - 3.110)
Losing my faith in Allah's wisdom or c	ompassion
No (Ref.)	
Yes	1.457
	(0.559 - 3.796)
Models controlled for race, gender, ag	e.
*** p<0.001, ** p<0.01, * p<0.05	





4: Seeing a Mental Health Professional and PHQ-4:

	1	2	3	4
VARIABLES	Mild psychological distress	Moderate / severe psychological distress	Anxiety	Depression
Had you ever so	een a mental health pro	fessional prior to COVID	-19?	
No (ref.)				
Yes	0.639	0.710	1.011	0.761
	(0.404 - 1.013)	(0.423 - 1.192)	(0.638 - 1.603)	(0.459 - 1.261)
Did you see a m	ental health profession	al to get help with the im	pact of COVID-19	
No (ref.)				
Yes	0.274**	0.132***	0.437**	<mark>0.496*</mark>
	(0.125 - 0.602)	(0.0594 - 0.295)	(0.259 - 0.737)	(0.281 - 0.874)
Models controlled				

5: Discrimination and PHQ-4





VARIABLES	Mild psychological distress	Moderate / severe psychological distress
Discrimination		
Islamophobia outside & racial within work	5.319*	6.654*
	(1.049 - 26.98)	(1.209 - 36.63)
Islamophobia outside & gender disc within work	2.606	3.140
	(0.640 - 10.61)	(0.692 - 14.25)
Islamophobia outside & within & racial within work	1.715	5.172**
	(0.561 - 5.245)	(1.734 - 15.43)
Other (any combination of the 4)	5.135**	9.162***
	(1.794 - 14.70)	(3.047 - 27.55)
All four	1.912	1.308
	(0.838 - 4.362)	(0.493 - 3.469)
Models controlled for race, gender, age.		
*** p<0.001, ** p<0.01, * p<0.05		





6: Discrimination and Coping Mechanisms

VARIABLES	Healthy coping strategies	Healthy religious coping strategies	Unhealthy coping strategies	Unhealthy religious coping strategies
	Islamophobia	a within the workplace		
No (Ref.)				
Rarely	0.267**	0.328	0.0989	-0.0152
	(0.0834 - 0.450)	(-0.0495 - 0.706)	(-0.116 - 0.314)	(-0.167 - 0.137)
Occasionally	0.302*	<mark>0.637*</mark>	0.214	0.00148
	(0.0270 - 0.578)	(0.0690 - 1.206)	(-0.109 - 0.537)	(-0.227 - 0.230)
Regularly	0.0877	0.412	-0.0425	-0.504*
	(-0.434 - 0.610)	(-0.659 - 1.483)	(-0.651 - 0.566)	(-0.935 - 0.0736)
	Racial discrimina	ntion within the workplac	e	
No (Ref.)				
Rarely	<mark>-0.241**</mark>	-0.0855	-0.0156	<mark>0.166*</mark>
	(-0.4150.0676)	(-0.444 - 0.273)	(-0.219 - 0.188)	(0.0217 - 0.310)
Occasionally	-0.229	-0.0117	0.0127	0.221*





	(-0.469 - 0.0105)	(-0.507 - 0.484)	(-0.269 - 0.294)	(0.0218 - 0.420)
Regularly	-0.106	-0.123	-0.0371	o.587**
	(-0.638 - 0.425)	(-1.214 - 0.968)	(-0.657 - 0.583)	(0.148 - 1.026)

Models controlled for race, gender, age.

^{***} p<0.001, ** p<0.01, * p<0.05