

## SUPPLEMENTARY MATERIAL

### The Perceived Competence Scale for Disaster Mental Health Workforce

#### Citation

Yoon, H. Y., & Choi, Y. K. (2019). The Development and Validation of the Perceived Competence Scale for Disaster Mental Health Workforce. *Psychiatry Investigation*, 16(11), 816-828.

#### Individual competence

The following are questions regarding core abilities necessary in disaster response. There is no right or wrong answer for each item, but please mark “strongly disagree (0)” to “strongly agree (4)” based on the level that applies to you.

	0 -----	1 -----	2 -----	3 -----	4
	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
1. I have a good understanding of the laws and systems related to victim support.	0	1	2	3	4
2. I am able to understand the demands of the survivor in the disaster situation.	0	1	2	3	4
3. I can implement a detailed plan of action for problem-solving in a disaster situation.	0	1	2	3	4
4. I know that I have a duty to protect the survivor's rights at the disaster scene.	0	1	2	3	4
5. I can exercise self-control in any situation.	0	1	2	3	4
6. I can ascertain the strengths and capabilities of the survivor in a disaster situation and strengthen those.	0	1	2	3	4
7. I can find various alternatives in situations where there is no right answer.	0	1	2	3	4
8. I can carry out helpful psychosocial interventions based on the disaster stage or as time passes.	0	1	2	3	4
9. I can think positively and optimistically in difficult situations.	0	1	2	3	4
10. I can provide information to survivors about medical, legal, and financial assistance.	0	1	2	3	4
11. I have a resilience that allows me to endure any hardship.	0	1	2	3	4
12. I can carry out psychological first aid at disaster scenes.	0	1	2	3	4
13. I can analyze problems occurring at the disaster scene and find solutions.	0	1	2	3	4
14. I can convey information that is of actual value to the survivor in a disaster situation.	0	1	2	3	4
15. I can deal with the psychological responses of survivors flexibly based on the disaster stage and passing of time.	0	1	2	3	4
16. I know I must provide only accurate information, and recognize when I do not know something.	0	1	2	3	4
17. I know the distinct characteristics of a complex and unpredictable disaster scene.	0	1	2	3	4
18. I can provide continuous consultation or case management about a disaster survivor.	0	1	2	3	4
19. I can think outside the box and provide onsite support (outreach) in a disaster situation.	0	1	2	3	4
20. I am proud of activities for disaster mental health.	0	1	2	3	4
21. I believe that by participating in disaster mental health I am contributing to community healing and restoration.	0	1	2	3	4
22. My participation in disaster mental health is something that needs to be done as a member of society.	0	1	2	3	4
23. I know that I must protect the private lives and secrets of disaster survivors.	0	1	2	3	4
24. I have received systematic training in psychosocial support in disaster situations.	0	1	2	3	4
25. I am able to adequately respond to stress occurring in disaster sites.	0	1	2	3	4
26. I am able to be attentive to my emotional and physical reactions to disaster and disaster response activities.	0	1	2	3	4
27. I am able to prevent burnout and vicarious traumatization by taking care of myself.	0	1	2	3	4

#### Organizational competence

The following are questions about core capabilities an organization or team needs in disaster response. There is no right or wrong answer for each item, but please mark “strongly disagree (0)” to “strongly agree (4)” based on the level that applies to you.

	0 -----	1 -----	2 -----	3 -----	4
	Strongly disagree	Disagree	Neither agree nor disagree	Agree	Strongly agree
1. I finish tasks assigned to me even if I don't like them.	0	1	2	3	4
2. I can ascertain a survivor's needs and connect them with community resources.	0	1	2	3	4
3. I recognize that I must follow the directions of the leader in a disaster scene.	0	1	2	3	4
4. I feel a sense of responsibility about my own work and the performance and outcomes of the organization to which I belong.	0	1	2	3	4
5. I can resolve conflict between colleagues in my organization.	0	1	2	3	4
6. I provide opportunities for my team or colleagues to grow.	0	1	2	3	4
7. I understand the human and material resources that can be used in the community (e.g. medical facilities, religious institutions, service groups).	0	1	2	3	4
8. I encourage my colleagues to share new ideas and their opinions.	0	1	2	3	4
9. I can form ties where individuals support each other in disaster situations.	0	1	2	3	4
10. I can determine first the location of the command center or situation room in a disaster scene.	0	1	2	3	4
11. I can clearly convey my thoughts.	0	1	2	3	4
12. I can understand the administrative reporting system in a disaster situation.	0	1	2	3	4
13. I can construct a contact system within an organization and between organizations in disaster scenes.	0	1	2	3	4
14. I can resolve conflict with other organizations.	0	1	2	3	4
15. I can resolve conflict with senior members in an organization.	0	1	2	3	4
16. I can present a direction or vision that team members or colleagues should pursue.	0	1	2	3	4
17. I have a sense of responsibility as a member of an organization, and can cooperate.	0	1	2	3	4
18. I understand our local healthcare service system.	0	1	2	3	4
19. I can sympathize with struggling colleagues and provide encouragement and support.	0	1	2	3	4
20. I can allocate work and roles that correspond to the abilities of the team and my colleagues.	0	1	2	3	4
21. I can effectively communicate with those who lack understanding of disaster mental health support.	0	1	2	3	4

#### Scoring

##### Competence in individual level

The sum of all 24 items represents perceived competence in individual level.

- 1) Knowledge = Understanding disaster + Tailored support.  
Understanding disaster: Add items 17, 19, and 24.  
Tailored support: Add items 8, 12, and 15.
- 2) Skill = Problem-solving + Communication + Information sharing.  
Problem-solving: Add items 3, 7, and 13.  
Communication: Add items 2, 6, and 18.  
Information sharing: Add items 1, 10, and 14.
- 3) Attitude = Calling + Ethic + Qualification.  
Calling: Add items 20, 21, and 22.  
Ethic: Add items 4, 16, and 23.  
Qualification: Add items 5, 9, and 11.

##### Additional scale:

Preventing burnout: Add items 25, 26, and 27.

##### Competence in organization level

The sum of all 21 items represents perceived competence in organization level.

- 1) Teamwork = Cooperation + Organization communication + Conflict management.  
Cooperation: Add items 9, 17, and 19.  
Organization communication: Add items 8, 11, and 21.  
Conflict management: Add items 5, 14, and 15.
- 2) Network = Disaster administration + Linking local resources + Human resource management.  
Disaster administration: Add items 10, 12, and 13.  
Linking local resources: Add items 2, 7, and 18.
- 3) Human resource management = Leaderships + Followship.  
Leaderships: Add items 6, 16, and 20.  
Followship: Add items 1, 3, and 4.