

An assessment of the relationship between the Brief Job Stress Questionnaire and Mental Health Diagnostic Rating Scales: From a survey of Healthcare Personnel engaged in the medical care of COVID-19 (novel coronavirus infection)

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7. References

Akoglu H. (2018). User's guide to correlation coefficients. *Turkish journal of emergency medicine*, 18(3), 91–93. <https://doi.org/10.1016/j.tjem.2018.08.001>

Bakker AB, Le Blanc PM, Schaufeli WB. Burnout contagion among intensive care nurses. *J Adv Nurs*. 2005 Aug;51(3):276-87. doi: 10.1111/j.1365-2648.2005.03494.x. PMID: 16033595.

Bandura, A. (2000). Cultivate self-efficacy for personal and organizational effectiveness. *Handbook of principles of organization behavior*, 2, 0011-21.

Bandura A. Health promotion by social cognitive means. *Health Educ Behav*. 2004 Apr;31(2):143-64. doi: 10.1177/1090198104263660. PMID: 15090118.

Berthelsen, H., Westerlund, H., Pejtersen, J. H., & Hadzibajramovic, E. (2019). Construct validity of a global scale for Workplace Social Capital based on COPSQ III. *PloS one*, 14(8), e0221893.

Bianchi, R., Schonfeld, I. S., & Laurent, E. (2015). Burnout-depression overlap: a review. *Clinical psychology review*, 36, 28–41.

<https://doi.org/10.1016/j.cpr.2015.01.004>

Çınar, O., Karcıoğlu, F., & Aslan, İ. (2014). The relationships among organizational cynicism, job insecurity and turnover intention: A survey study in

Erzurum/Turkey. *Procedia-Social and Behavioral Sciences*, 150, 429-437.

del Carmen MG, Herman J, Rao S, et al. Trends and Factors Associated With Physician Burnout at a Multispecialty Academic Faculty Practice Organization. *JAMA Network Open*. 2019;2(3):e190554. doi:10.1001/jamanetworkopen.2019.0554

Del Libano, M., Llorens, S., Salanova, M., & Schaufeli, W. (2012). About the bright and dark sides of self-efficacy: Work engagement and workaholism. *The Spanish Journal of Psychology*, 15(2), 688-701.

Dyrbye, L. N., Meyers, D., Ripp, J., Dalal, N., Bird, S. B., & Sen, S. (2018). A pragmatic approach for organizations to measure health care professional well-being. *NAM Perspectives*.

Escribà-Agüir, V., Martín-Baena, D., & Pérez-Hoyos, S. (2006). Psychosocial work environment and burnout among emergency medical and nursing staff. *International archives of occupational and environmental health*, 80(2), 127-133.

Evanoff, B. A., Strickland, J. R., Dale, A. M., Hayibor, L., Page, E., Duncan, J. G., Kannampallil, T., & Gray, D. L. (2020). Work-Related and Personal Factors Associated With Mental Well-Being During the COVID-19 Response: Survey of Health Care and Other Workers. *Journal of medical Internet research*, 22(8), e21366.

<https://doi.org/10.2196/21366>

Garcia, C. L., Abreu, L. C., Ramos, J., Castro, C., Smiderle, F., Santos, J., & Bezerra, I. (2019). Influence of Burnout on Patient Safety: Systematic Review and Meta-Analysis. *Medicina (Kaunas, Lithuania)*, 55(9), 553.
<https://doi.org/10.3390/medicina55090553>

Igawa, J., Nakanishi, D., A Study on the Differences between the Japanese Burnout Scale and the MBI-HSS. *Journal of Psychology*, 90(5), 484-492. (2019). Nihonban burnout shakudo to MBI-HSS no ido ni kansuru kenkyu (in Japanese)

Ilić, I. M., Arandjelović, M. Ž., Jovanović, J. M., & Nešić, M. M. (2017). Relationships of work-related psychosocial risks, stress, individual factors and burnout - Questionnaire survey among emergency physicians and nurses. Relationships of work-related psychosocial risks, stress, individual factors and burnout – Questionnaire survey among emergency physicians and nurses. *Medycyna pracy*, 68(2), 167–178.
<https://doi.org/10.13075/mp.5893.00516>

Inaba, R. Inoue, M. & Higawa, A.,(2004) Study on the Relationship between Burnout and Work-related Stress as well as Coping Characteristic among Male Doctors Except Junior Residents in a Large Scale Municipal Hospital, *Japanese journal of occupational* vol.58 no.5 p.220-227 <http://hdl.handle.net/20.500.12099/43708> (in Japanese)

Kelly, R. J., & Hearld, L. R. (2020). Burnout and Leadership Style in Behavioral Health Care: a Literature Review. *The journal of behavioral health services & research*, 47(4),

Kroenke, K., Spitzer, R. L., & Williams, J. B. (2001). The PHQ-9: validity of a brief depression severity measure. *Journal of general internal medicine*, 16(9), 606–613.
<https://doi.org/10.1046/j.1525-1497.2001.016009606.x>

Kitaoka-Higashiguchi, K., Ogino, K., & Masuda, S. (2004) Validation of Japanese research version of Maslach Burnout Inventory-General Survey, *The Japanese Journal of Psychology*, Vol. 75, No. 5, 415-419, Nihonban MBI-GS (Maslach Burnout Inventory-General Survey) no datousei no kentou (in Japanese)

Kitaoka-Higashiguchi, K., Masuda, S., Ogino, K., & Nakagawa, H. (2011), The Maslach Burnout Inventory-General Survey (MBI-GS) and the Japanese version *Hokuriku Journal of Public Health* vol. 37, 2, P34-40. [Burnout sokutei shakudo Maslach Burnout Inventory-General Survey (MBI-GS) no gaiyo to nihonban ni tsuite (in Japanese)]

Kitaoka-Higashiguchi, K. (2005). Causal Relationship of Burnout to Medical Accident among Psychiatric Nurses, *J. Jpn. Acad. Nurs. Sci.*, Vol.25, No.3, pp. 31-40, [Seishinka kinmu no kanngosha no burnout to iryojiko no ingakankei ni tsuite (in Japanese)]

Ministry of Health, Labour and Welfare(2015), Office of Industrial Health Support, Occupational Health Division, Safety and Health Department, Labor Standards Bureau, Implementation Manual for the Stress Check System under the Occupational Safety and Health Law, revised May 2015, revised April 2016, revised July 2019, [Kosei Rodo Sho Rodo kishunkkyoku eiseibu rodоеiseika sangyou hoken shienshitsu rodo anzen eiseihou ni motozuku sutoresu check seido jisshi manual (in Japanese)]

<https://www.mhlw.go.jp/bunya/roudoukijun/anzeneisei12/pdf/150507-1.pdf>

Ministry of Health, Labor and Welfare (1999), "Research on Prevention of Work-related Diseases" Research Report on Stress and Its Health Effects in Workplaces March 2000, Group Leader, Masaaki Kato, [Kosei Rodo Sho Heisei 11 nendo "Sagyō kanren shikkan no yobo ni kansuru kenkyū" Lodo no baniokeru sutresu oyobi sono kenkō eikyō ni kansuru kenkyū hokoku sho, heisei 12nenn 3gatsu, Hanchō, Kato, Masaaki.(in Japanese)], <https://www.mhlw.go.jp/file/05-Shingikai-11201000-Lodo> kijunkyoku-Soumuka/0000050919.pdf

Ministry of Health, Labour and Welfare, Grant-in-Aid for Scientific Research on Labor Safety and Health, Research on Prevention of Mental Health Problems of Workers and Effectiveness of Workplace Environment Improvement by Stress Check System, FY 2007-2009, Comprehensive Research Report, PI: Norito Kawakami [Kosei Rodo Sho kosei rodoka kenkyūhi hojokin rodo anzen eisei sogo kenkyū jugyō Stress check seido ni your rodosha no mental health fucho no yobo to shokuba kankyō kaizen kōka ni kansuru kenkyū, heisei 27-29 nendo sogo kenkyū hokoku sho, shunin kenkyū sha, Kawakami, Norito (in Japanese)], <https://mental.m.u-tokyo.ac.jp/jstress/H27%E3%82%B9%E3%83%88%E3%83%AC%E3%82%B9%E3%83%81%E3%82%A7%E3%83%83%E3%82%AF%E7%8F%AD%E5%A0%B1%E5%91%8A%E6%9B%B8.pdf>

Ministry of Health, Labor and Welfare Stress Check Implementation Program, [Kosei Rodo Sho, Stress Check jisshi puroguramu (in Japanese)],

<https://stresscheck.mhlw.go.jp/material.html>

The LANCET (2017). Improving mental health in the workplace. *Lancet* (London, England), 390(10107), 2015.

Lake, E. T. (2002). Development of the practice environment scale of the nursing work index. *Research in nursing & health*, 25(3), 176-188.

Maslach, C., & Jackson, S. E. (1981). The measurement of experienced burnout. *Journal of organizational behavior*, 2(2), 99-113.

Maslach C, Jackson, S E. MBI - General Survey - MBI-GS: Copyright ©1996 Wilmar B. Schaufeli, Michael P. Leiter,

Maslach, C., Schaufeli, W. B., & Leiter, M. P. (2001). Job burnout. *Annual review of psychology*, 52(1), 397-422.

Matsuo, T., Kobayashi, D., Taki, F., Sakamoto, F., Uehara, Y., Mori, N., & Fukui, T. (2020). Prevalence of Health Care Worker Burnout During the Coronavirus Disease 2019 (COVID-19) Pandemic in Japan. *JAMA network open*, 3(8), e2017271. <https://doi.org/10.1001/jamanetworkopen.2020.17271>

Maunder RG, Leszcz M, Savage D, Adam MA, Peladeau N, Romano D, Rose M,

Schulman B. Applying the lessons of SARS to pandemic influenza: an evidence-based approach to mitigating the stress experienced by healthcare workers. *Can J Public Health*. 2008 Nov-Dec;99(6):486-8. doi: 10.1007/BF03403782. PMID: 19149392; PMCID: PMC5148615.

Muramatsu, K. & Kamijima K.(2009). Primary care practice and depression screening: Patient Health Questionnaire-9 (Japanese version). *Diagnosis and Treatment*, 97, 1465-1473[Primary Care Shinryo to Utsu by Screening hyoka tsuuru: Patient Health Questionnaire-9 Nihongo ban “Kokoro to karada no shitsumonhyo (in Japanese)]

Muramatsu, K. (2014). Patient Health Questionnaire (PHQ-9, PHQ-15) Japanese version and Generalized Anxiety Disorder-7 Japanese version-up to date. *Niigata Seiryō University Graduate School of Clinical Psychology Research*, 7, 35-39, 2014. [Patient Health Questionnaire (PHQ-9, PHQ-15) Nihongo ban oyobi Generalized Anxiety Disorder-7 Nihongo ban up to date (in Japanese)]

Muramatsu, K., Miyaoka, H., Kamijima, K., Muramatsu, Y., Tanaka, Y., Hosaka, M., ... & Shimizu, E. (2018). Performance of the Japanese version of the Patient Health Questionnaire-9 (J-PHQ-9) for depression in primary care. *General hospital psychiatry*, 52, 64-69.doi: 10.1016/j.genhosppsy.2018.03.007. Epub 2018 Mar 28.

Ogata, Y., Sasaki, M., Yumoto, Y., Yonekura, Y., Nagano, M., & Kanda, K. (2018). Reliability and validity of the practice environment scale of the nursing work index for Japanese hospital nurses. *Nursing open*, 5(3), 362–369. <https://doi.org/10.1002/nop2.148>

Ogata, Y., Nagano, M., & Akanuma, T. (2008). Development of The Practice Environment Scale of the Nursing Work Index (PES-NWI) Japanese version. *Bulletin of the Faculty of Nursing, Chiba University*, (30), 19-24. [The Practice Environment Scale of the Nursing Work Index (PES-NWI) Nihongo ban no sakusei (in Japanese)] [https://opac.ll.chiba-u.jp/da/curator/900047648/\(30\)019-024.pdf](https://opac.ll.chiba-u.jp/da/curator/900047648/(30)019-024.pdf)

Parks-Savage, A., Archer, L., Newton, H., Wheeler, E., & Huband, S. R. (2018). Prevention of medical errors and malpractice: Is creating resilience in physicians part of the answer ?. *International journal of law and psychiatry*, 60, 35–39. <https://doi.org/10.1016/j.ijlp.2018.07.003>

Rotenstein, L. S., Torre, M., Ramos, M. A., Rosales, R. C., Guille, C., Sen, S., & Mata, D. A. (2018). Prevalence of Burnout Among Physicians: A Systematic Review. *JAMA*, 320(11), 1131–1150. <https://doi.org/10.1001/jama.2018.12777>

Rudman, A., Arborelius, L., Dahlgren, A., Finnes, A., & Gustavsson, P. (2020). Consequences of early career nurse burnout: A prospective long-term follow-up on cognitive functions, depressive symptoms, and insomnia. *EClinicalMedicine*, 27, 100565.

Shanafelt, T. D., Boone, S., Tan, L., Dyrbye, L. N., Sotile, W., Satele, D., & Oreskovich, M. R. (2012). Burnout and satisfaction with work-life balance among US physicians relative to the general US population. *Archives of internal medicine*, 172(18), 1377-1385.

Shanafelt, T. D., Mungo, M., Schmitgen, J., Storz, K. A., Reeves, D., Hayes, S. N., Sloan, J. A., Swensen, S. J., & Buskirk, S. J. (2016). Longitudinal Study Evaluating the Association Between Physician Burnout and Changes in Professional Work Effort. *Mayo Clinic proceedings*, *91*(4), 422–431.
<https://doi.org/10.1016/j.mayocp.2016.02.001>

Shanafelt, T. D., & Noseworthy, J. H. (2017, January). Executive leadership and physician well-being: nine organizational strategies to promote engagement and reduce burnout. In *Mayo Clinic Proceedings* (Vol. 92, No. 1, pp. 129-146). Elsevier.

Sakakibara, K., Shimazu, A., Toyama, H., & Schaufeli, W. B. (2020). Validation of the Japanese Version of the Burnout Assessment Tool. *Frontiers in psychology*, *11*, 1819.
<https://doi.org/10.3389/fpsyg.2020.01819>

Schaufeli, W. B., Desart, S., & De Witte, H. (2020). Burnout Assessment Tool (BAT)-Development, Validity, and Reliability. *International journal of environmental research and public health*, *17*(24), 9495. <https://doi.org/10.3390/ijerph17249495>

Schaufeli, W. B., & Van Dierendonck, D. (1995). A cautionary note about the cross-national and clinical validity of cut-off points for the Maslach Burnout Inventory. *Psychological reports*, *76*(3 Pt 2), 1083–1090.
<https://doi.org/10.2466/pr0.1995.76.3c.1083>

Schaufeli, Wilmar & Leiter, Michael & Maslach, Christina & Jackson, Susan. (1996).

Maslach Burnout Inventory -- General Survey (GS). Maslach Burnout Inventory Manual. 31.

Schumacker, R. E., Monahan, M. P., & Mount, R. E. (2002). A comparison of OLS and robust regression using S-PLUS. *Multiple Linear Regression Viewpoints*, 28(2), 10-13.

Schutte, N., ma., Kalimo, R., & Schaufeli, W. (2000). The factorial validity of the Maslach Burnout Inventory-General Survey (MBI-GS) across occupational groups and nations. *Journal of Occupational and Organizational psychology*, 73(1), 53-66.

Sijtsma K. On the Use, the Misuse, and the Very Limited Usefulness of Cronbach's Alpha. *Psychometrika*. 2009;74(1):107-120. doi:10.1007/s11336-008-9101-0

Statistics of Japan, Statistics Bureau, Ministry of Internal Affairs and Communications, Chapter 7 Business Activities [Somusho Tokeikyoku Nihon no Tokei Dai 7 sho, Kigyo katsudo (in Japanese)] <https://www.stat.go.jp/data/nihon/07.html>

Swiger PA, Patrician PA, Miltner RSS, Raju D, Breckenridge-Sproat S, Loan LA. The Practice Environment Scale of the Nursing Work Index: An updated review and recommendations for use. *Int J Nurs Stud*. 2017 Sep;74:76-84. doi: 10.1016/j.ijnurstu.2017.06.003. Epub 2017 Jun 12. PMID: 28641123.

Ventura, M., Salanova, M., & Llorens, S. (2015). Professional self-efficacy as a predictor of burnout and engagement: the role of challenge and hindrance demands. *The Journal of*

psychology, 149(3-4), 277–302. <https://doi.org/10.1080/00223980.2013.876380>

World Health Organization, Burn-out an "occupational phenomenon": International Classification of Diseases https://www.who.int/mental_health/evidence/burn-out/en/

Wu, Y., Wang, J., Luo, C., Hu, S., Lin, X., Anderson, A. E., Bruera, E., Yang, X., Wei, S., & Qian, Y. (2020). A Comparison of Burnout Frequency Among Oncology Physicians and Nurses Working on the Frontline and Usual Wards During the COVID-19 Epidemic in Wuhan, China. *Journal of pain and symptom management*, 60(1), e60–e65. <https://doi.org/10.1016/j.jpainsymman.2020.04.008>