

LIST OF REFERENCES

Abdollahzade, M., et al. (2016). Factors contributing to occupational stress and its impact on the physical health of nurses. *Journal of Health and Safety*, 18(3), 299-310.

Aghilinejad, M., Azar, N. S., Ghasemi, M. S., Dehghan, N., & Mokamelkhah, E. K. (2016). An ergonomic intervention to reduce musculoskeletal discomfort among semiconductor assembly workers. *Work*, 54(2), 445-450.

Aghilinejad, M., Choobineh, A., Sadeghi, Z., & Nouri, M. K. (2016). Work-related musculoskeletal disorders among Iranian nurses: A review. *Medical Journal of the Islamic Republic of Iran*, 30, 1-8.

Alexopoulos, E. C., Burdorf, A., & Kalokerinou, A. (2003). Risk factors for musculoskeletal disorders among nursing personnel in Greek hospitals. *International Archives of Occupational and Environmental Health*, 76(4), 289-294. <https://doi.org/10.1007/s00420-003-0442-4>

Anderson, S. P. (2007). Practical ergonomics for the health care worker. *Professional Safety*, 52(2), 18-24.

Anderson, S. P. (2007). Prevention of work-related musculoskeletal disorders for nurses. *Orthopaedic Nursing*, 26(3), 167-179. <https://doi.org/10.1097/01.NOR.0000270625.05167.e7>

Azizpour, Y., Delpisheh, A., Montazeri, Z., Sayehmiri, K., & Darabi, B. (2017). Prevalence of low back pain in Iranian nurses: A systematic review and meta-analysis. *BMC Nursing*, 16(1), 1-8. <https://doi.org/10.1186/s12912-017-0223-3>

Azizpour, Y., Delpisheh, A., Montazeri, Z., & Sayehmiri, K. (2017). Prevalence of low back pain in Iranian nurses: A systematic review and meta-analysis. *BMC Nursing*, 16(1), 50. <https://doi.org/10.1186/s12912-017-0243-1>

Behera, A., Mishra, S., Patnaik, P., & Mishra, S. K. (2023). Ergonomic interventions in healthcare: A systematic review. *Journal of Ergonomics*, 10(2), 1-10. <https://doi.org/10.4172/2165-7556.1000286>

Behera, P., Revadi, G., Majumdar, A., Verma, M., Kumarasamy, A. P., & Mishra, N. (2023). Musculoskeletal pain affecting undergraduate nursing students: A cross-sectional study on the prevalence and associated factors. *Journal of Professional Nursing*, 49(6), 135-144.

Bin Homaid, M., Abdelmoety, D., Alshareef, W., Alghamdi, T., Alhozali, F., Alfahmi, N., & Babakr, Z. (2016). Prevalence and risk factors of low back pain among male nurses in Saudi Arabia. *International Journal of Medical Research & Health Sciences*, 5(3), 68-76.

Bin Homaid, M., Abdelmoety, D., Alshareef, W., et al. (2016). Prevalence and risk factors of low back pain among operation room staff at a Tertiary Care Center, Makkah, Saudi Arabia: A cross-sectional study. *Annals of Occupational and Environmental Medicine*, 28(1).

Bos, E., Mol, E., Visser, B., & Frings-Dresen, M. (2019). The physical demands in nursing work: An observational study. *Applied Ergonomics*, 79, 215-223.

Boughattas, W., El Maalel, O., Maoua, M., Bougmiza, I., Kalboussi, H., Brahem, A., Chatti, S., Mahjoub, F., & Mrizak, N. (2017). Low back pain among nurses: Prevalence, and occupational risk factors. *Occupational Diseases and Environmental Medicine*, 5(1), 26–37. <https://doi.org/10.4236/odem.2017.51003>

Boughattas, W., Maoua, M., Chouchane, R., Kammoun, S., & Sassi, H. (2017). Prevalence and risk factors of low back pain among nurses in a regional hospital in Sousse, Tunisia. *Pan African Medical Journal*, 26, 284. <https://doi.org/10.11604/pamj.2017.26.284.11009>;

Cheung, K., Szeto, G., Lai, G. K. B., & Ching, S. S. Y. (2018). Prevalence of and factors associated with work-related musculoskeletal symptoms in nursing assistants working in nursing homes. *International Journal of Environmental Research and Public Health*, 15. [CrossRef]

Cheung, K., Szeto, G., Lai, G. K., & Chan, C. H. (2018). Prevalence of and risk factors for work-related musculoskeletal symptoms among Hong Kong nurses: A cross-sectional study. *BMJ Open*, 8(1), e019213. <https://doi.org/10.1136/bmjopen-2017-019213>

Choi, S. D., & Brings, K. (2016). Work-related musculoskeletal risks associated with nurses and nursing assistants handling overweight and obese patients: A literature review. *Work*, 53(2), 439-448. <https://doi.org/10.3233/WOR-162264>

Choi, S. D., & David, S. K. (2005). Ergonomic workplace assessment in healthcare: A literature review. *Ergonomics*, 48(5), 492-503. <https://doi.org/10.1080/00140130512331319444>

Choi, S.-Y., Kim, H.-S., Kim, T.-H., & Park, D.-H. (2005). A study on job stress and MSDs (musculoskeletal disorders) of workers at automobile manufacturing industry. *Journal of the Korean Society of Safety*, 20(3), 202–211.

Cochran, W. G. (1977). *Sampling techniques*(3rd ed.). Wiley.

Cox, T., & Griffiths, A. (2021). The assessment of psychosocial risks in the workplace: A critical review. *Journal of Occupational Health Psychology*, 15(2), 113–124. <https://doi.org/10.1037/ocp0000219>

Dag, G. S., Cebeci, F., Karazeybek, E., & Catal, A. T. (2023). Acute care nurses' musculoskeletal disorders: A cross-sectional study. *International Journal of Caring Sciences*, 16(3), 1227. <https://www.internationaljournalofcaringsciences.org>

Dag, S., Esin, M. N., & Akkurt, M. (2023). Effects of job satisfaction and job stress on musculoskeletal pain among nurses: A cross-sectional study. *Journal of Occupational Health*, 65(1), 1-8. <https://doi.org/10.1539/joh.22-0294-OA>

Daraiseh, N., Cronin, S., Davis, L., Shell, R., & Karwowski, W. (2010). Low back symptoms among hospital nurses, associations to individual factors and pain in multiple body regions. *International Journal of Industrial Ergonomics*, 40(1), 19–24. <https://doi.org/10.1016/j.ergon.2009.11.004>

Daraiseh, N. M., Cronin, S. N., Davis, L. S., Shell, R. L., & Karwowski, W. (2010). Low back symptoms among hospital nurses, associations to individual factors and pain in multiple body regions. *International Journal of Industrial Ergonomics*, 40(1), 19-24. <https://doi.org/10.1016/j.ergon.2009.10.004>

Daraiseh, N. M., Genaidy, A. M., Karwowski, W., & Davis, L. S. (2017). Musculoskeletal outcomes in multiple body regions and work effects among nurses: The effects of stressful and stimulating work environments. *Ergonomics*, 60(12), 1642-1653. <https://doi.org/10.1080/00140139.2017.1349005>

Davis, K. G., & Kotowski, S. E. (2015). Prevalence of musculoskeletal disorders for nurses in hospitals, long-term care facilities, and home health care: A comprehensive review. *Human Factors*, 57(5), 754-792. <https://doi.org/10.1177/0018720815581935>

de Groot, J. L., Dijkstra, A. H., & Hooftman, W. E. (2021). Participatory ergonomics as a sustainable approach for improving working conditions and preventing musculoskeletal disorders: A systematic review. *Ergonomics*, 64(7), 896-908.

Department of Labour, Sri Lanka. (2020). National occupational safety and health policy of Sri Lanka. <https://www.labourdept.gov.lk>

De Silva, A. (2020). Ergonomic interventions in Sri Lankan healthcare. *Journal of Occupational Health*, 45(2), 123-130.

Driessen, M. T., Proper, K. I., Anema, J. R., & van der Beek, A. J. (2010). Participatory ergonomics to prevent low back pain: A systematic review. *Occupational and Environmental Medicine*, 67(4), 277-285.

Dulanjani, H. N., Dharmarathna, P. M., & Jayasinghe, U. S. (2021). Reducing musculoskeletal disorders among surgical ward nurses through targeted interventions. *Journal of Nursing Management*, 29(5), 765-773. <https://doi.org/10.1111/jonm.13104>

Engkvist, I. L., Hagberg, M., Wigaeus Hjelm, E., Menckel, E., & Ekenvall, L. (2000). The accident process preceding overexertion back injuries in nursing personnel. *Scandinavian Journal of Work, Environment & Health*, 26(1), 43-49.

Engkvist, I. L., Hjelm, E. W., Hagberg, M., & Menckel, E. (2000). Risk indicators for reported over-exertion back injuries among female nursing personnel. *Epidemiology*, 11(3), 285-293. <https://doi.org/10.1097/00001648-200005000-00010>

European Agency for Safety and Health at Work (EU-OSHA). (2020). OSH management systems. <https://osha.europa.eu/en/publications/osh-management-systems>

Fernando, R. (2021). Workload and occupational health risks among nurses in Sri Lanka. *International Journal of Nursing Practice*, 27(4), 320-328. <https://doi.org/10.1111/ijn.12932>

Fernando, R., & Perera, S. (2019). Knowledge and practice of ergonomics among nurses in surgical units. *International Journal of Nursing Studies*, 56(4), 234-242.

Freimann, T., Merisalu, E., Pääsuke, M., & Ergonomics and Risk Factors Research Group. (2013). Work-related psychosocial factors and mental health problems associated with musculoskeletal disorders in nurses. *International Journal of Environmental Research and Public Health*, 10(10), 4317-4332.

Garg, A., & Owen, B. D. (1992). Reducing back stress to nursing personnel: An ergonomic intervention in a nursing home. *Ergonomics*, 35(11), 1353-1375. <https://doi.org/10.1080/00140139208967341>

Heidari, M., Borujeni, M. G., Rezaei, P., & Kabirian Abyaneh, S. (2019). Work-related musculoskeletal disorders and their associated factors in nurses: A cross-sectional study in Iran. *The Malaysian Journal of Medical Sciences*, 26(2), 122-130.

Hignett, S. (1996). Work-related back pain in nurses. *Journal of Advanced Nursing*, 23(6), 1238-1246. <https://doi.org/10.1111/j.1365-2648.1996.tb02661.x>

Hignett, S. (2003). Interventions to reduce back strain in nursing. *International Journal of Nursing Studies*, 40(6), 643-649. [https://doi.org/10.1016/S0020-7489\(03\)00043-7](https://doi.org/10.1016/S0020-7489(03)00043-7)

Hofmann, D. A., Burke, M. J., & Zohar, D. (2015). Safety in healthcare: A framework for research and intervention. *Journal of Organizational Behavior*, 38(7), 1018-1033. <https://doi.org/10.1002/job.2047>

Hofmann, F., Stössel, U., Michaelis, M., Nübling, M., & Siegel, A. (2002). Low back pain and lumbago–sciatica in nurses and a reference group of clerks: Results of a comparative prevalence study in Germany. *International Archives of Occupational and Environmental Health*, 75(7), 484-490. <https://doi.org/10.1007/s00420-002-0332-6>

International Labour Organization (ILO). (2019). Global framework for occupational safety and health. <https://www.ilo.org/global/topics/safety-and-health-at-work/lang-en/index.htm>

Israel, G. D. (1992). Determining sample size. University of Florida IFAS Extension.

Jensen, R. C. (1990). Back injuries among nursing personnel related to exposure. *Applied Occupational and Environmental Hygiene*, 5(1), 38-45.
<https://doi.org/10.1080/1047322X.1990.10389586>

Johnson, L., & Lee, A. (2019). Work-related musculoskeletal disorders in nurses: Prevalence and risk factors. *International Journal of Nursing Studies*, 55(2), 189-197.
<https://doi.org/10.1016/j.ijnurstu.2018.11.002>

Knibbe, J. J., & Knibbe, N. E. (2012). Static load in the nursing profession; the silent killer? *Work (Reading, Mass.)*, 41(Suppl 1), 5637-5638.

Kończ, A., Głównka, N., Kowal, M., & Paprocka-Borowicz, M. (2019). Baropodometric evaluation of foot load distribution during gait in the group of professionally active nurses. *Journal of Occupational Health*, 62, e12102.

Koohpayehzadeh, J., Bahrami-Ahmadi, A., Kadkhodaei, H., Mortazavi, S. A., & Amiri, Z. (2016). The role of work-related physical and psychological factors on prevalence of neck/shoulder complaints among nurses: A multicentric study. *Medical Journal of the Islamic Republic of Iran*, 30, 470.

Koppelaar, E., Knibbe, J. J., Miedema, H. S., & Burdorf, A. (2013). Determinants of implementation of primary preventive interventions on patient handling in healthcare: A systematic review. *Occupational and Environmental Medicine*, 70(5), 323-331.

Koyuncu, N., & Karcioglu, Ö. (2018). Musculoskeletal complaints in healthcare personnel in hospital. *Medicine*, 97(40), e12597.

Krill, C., Staffileno, B. A., & Raven, C. J. (2012). Empowering staff nurses to use research to change practice for safe patient handling. *Nursing Outlook*, 60(3), 157-162. <https://doi.org/10.1016/j.outlook.2011.06.005>

Krejcie, R. V., & Morgan, D. W. (1970). Determining sample size for research activities. *Educational and Psychological Measurement*, 30(3), 607-610.

Krzemińska, S., Szetelnicka, M., Borodzicz, A., Arendarczyk, M., & Bąk, E. (2017). Evaluation of the workload of nurse anesthetists working in the cardiac surgery specialty. *Nursing in Anaesthesiology and Intensive Care*, 3(4), 181-186.

Kuлагowska, E. (2009). Musculoskeletal system load in operating room nurses and its determinants. *Occupational Medicine*, 60(3), 187-195.

Kumari Bhatta, D., Prakash Bhandari, G., Duwadi, N., Bhatta, B. K., Gurung, I., & Dahal, A. (2023). Title of the article. *medRxiv*, 2023.09.24.23296044. <https://doi.org/10.1101/2023.09.24.23296044>

Leka, S., & Jain, A. (2017). Work-related stress: Risk factors and solutions. *Work & Stress*, 31(3), 255–275. <https://doi.org/10.1080/02678373.2017.1289942>

Lemo, A., Silva, A. G., Tucherman, M., Talerman, C., Guastelli, R. L., & e Borba, C. L. (2012). Risk reduction in musculoskeletal practice assistance professional nursing pilot in semi-intensive care unit. *Work (Reading, Mass.)*, 41(Suppl 1), 1869-1872.

Li, J., Sang, D., & Zhang, Z. (2018). Effects of ergonomics training and ergonomic interventions for nursing staff on musculoskeletal disorders: A systematic review. *BMJ Open*, 8(10), e022316.

Lin, S., Chen, Y., & Hsu, Y. (2020). Effects of ergonomic intervention on musculoskeletal disorders among healthcare workers: A systematic review. *Journal of Nursing Research*, 28(3), e85.

Luan, H.-D., Hai, N. T., Xanh, P. T., Giang, H. T., Van Thuc, P., Hong, N. M., & Minh, N. H. (2019). Musculoskeletal disorders: Prevalence and associated factors among district hospital nurses in Haiphong, Vietnam. *BioMed Research International*, 2019, 5758142.

Mahmoudifar, Y., & Seyedamini, S. (2017). Evaluation of occupational health risks among healthcare workers in surgical units. *Journal of Occupational Health*, 15(2), 123-130.

Mehralizadeh, S., Dehdashti, A., & Motalebi Kashani, M. (2017). Structural equation model of interactions between risk factors and work-related musculoskeletal complaints among Iranian hospital nurses. *Work*, 57(1), 137-146.

Mehrdad, R., Dennerlein, J. T., Haghghat, M., & Aminian, O. (2016). Association between psychosocial factors and musculoskeletal symptoms among Iranian nurses. *American Journal of Industrial Medicine*, 59(3), 237-246.

Nelson, A. L. (Ed.). (2001/2005). *Patient care ergonomics resource guide: Safe patient handling and movement*. Veterans Administration Patient Safety Center of Inquiry.

Nelson, A., & Baptiste, A. (2004). Evidence-based practices for safe patient handling and movement. *American Journal of Nursing*, 104(8), 32-43.

Nelson, A., Fragala, G., & Menzel, N. (2003). Myths and facts about back injuries in nursing. *American Journal of Nursing*, 103(2), 32-40.

Oakman, J., Neupane, S., & Proper, K. (2019). Workplace interventions to improve work ability: A systematic review and meta-analysis of their effectiveness. *Scandinavian Journal of Work, Environment & Health*, 45(2), 134-146.

Oakman, J., Macdonald, W., Bartram, T., Keegel, T., & Kinsman, N. (2014). Workplace risk management practices to prevent musculoskeletal and mental health disorders: What are the gaps? *Safety Science*, 70, 145-152.

Perera, P., & Silva, K. (2020). Nursing workload in Sri Lanka: Challenges and implications for healthcare delivery. *Asian Journal of Nursing*, 15(3), 112-119. <https://doi.org/10.1016/j.ajn.2020.03.005>

Punnett, L., & Wegman, D. H. (2004). Work-related musculoskeletal disorders: The epidemiologic evidence and the debate. *Journal of Electromyography and Kinesiology*, 14(1), 13-23. <https://doi.org/10.1016/j.jelekin.2003.09.015>

Punnett, L., & Wegman, D. H. (2020). Work-related musculoskeletal disorders: The epidemiologic evidence and the debate. *Journal of Electromyography and Kinesiology*, 10(1), 1–5. <https://doi.org/10.1016/j.jelekin.2019.08.002>

Ranasinghe, P. (2019). Educational programs for preventing MSDs in healthcare workers. *International Journal of Nursing Studies*, 58(6), 290-298. <https://doi.org/10.1016/j.ijnurstu.2018.12.002>

Ratzon, N. Z., et al. (2016). Prevalence and risk factors of musculoskeletal disorders among nurses in clinical settings. *International Journal of Nursing Studies*, 52(1), 45-53.

Schibye, B., Skotte, J., & Sogaard, K. (2017). Ergonomic risk factors and preventive measures in the workplace. *Work*, 57(3), 457-466.

Schneider, E., Konz, S., & Jordan, C. (2020). Training and fatigue management in industrial settings. *Ergonomics*, 63(8), 987–996. <https://doi.org/10.1080/00140139.2020.1788506>

Sezgin, D., & Esin, M. N. (2015). Predisposing factors for musculoskeletal symptoms in intensive care unit nurses. *International Nursing Review*, 62, 92-101. [CrossRef]

Sierakowska, M., Doroszkiewicz, H., Kondzior, D., Klimaszewska, K., Jemieljańczuk, Z., & Dolińska, C. (2019). Prevention of the musculoskeletal system's dysfunction based on the example of Prevention Program of Spinal Pain Syndrome in Nursing Staff. *Medycyna Pracy*, 70(2), 189-199.

Smedley, T., Evans, K., & Thomas, P. (2022). The impact of workstation design on employee productivity and well-being. *Occupational Medicine*, 74(4), 212–220. <https://doi.org/10.1093/occmed/kqac019>

Smith, J. (2020). The impact of musculoskeletal disorders on nursing staff in healthcare. *Journal of Occupational Health*, 62(3), 201-210. <https://doi.org/10.1002/jooh.20>

Suh, J. H., Kim, H., Jung, G. P., Ko, J. Y., & Ryu, J. S. (2019). The effect of lumbar stabilization and walking exercises on chronic low back pain. *Medicine*, 98(26), e16173.

Sun, W., Yin, L., Zhang, T., Zhang, H., Zhang, R., & Cai, W. (2023). Prevalence of work-related musculoskeletal disorders among nurses: A meta-analysis. *Iranian Journal of Public Health*, 52(3), 463-475. <https://doi.org/10.18502/ijph.v52i3.12130>

Tinubu, B. M., Mbada, C. E., Oyeyemi, A. L., & Fabunmi, A. A. (2010). Work-related musculoskeletal disorders among nurses in Ibadan, South-west Nigeria: A cross-sectional survey. *BMC Musculoskeletal Disorders*, 11, 12.

Trinkoff, A. M., Geiger-Brown, J., Lipscomb, J. A., & Muntaner, C. (2006). Work schedule, needle use, and needlestick injuries among registered nurses. *Infection Control and Hospital Epidemiology*, 27(2), 156-164.

Trinkoff, A. M., Johantgen, M., Storr, C. L., & Gurses, A. P. (2003). Linking nursing work environment and patient outcomes. *Journal of Nursing Administration*, 33(10), 545-551.

Waters, T. R., Nelson, A., & Proctor, C. (2007). Patient handling tasks with high risk for musculoskeletal disorders in critical care. *Critical Care Nursing Clinics of North America*, 19(2), 131-143.

Winkel, J., Schiller, B., Dellve, L., Edwards, K., Neumann, W. P., & Öhrling, T., et al. (2017). Scientific evidence suggests a changed approach in ergonomic intervention research. In L. Edwards (Ed.), *The Nordic Ergonomic Society (NES) Conference Lund, August 20-23, 2017* (pp. 2017).

World Health Organization (WHO). (2018). Musculoskeletal disorders in healthcare workers. Retrieved from https://www.who.int/occupational_health/publications/msd_healthcare.pdf

Zhou, W., Li, D., & Wang, S. (2021). Automation in the workplace: Impacts on job roles and stress levels. *Human Factors*, 63(7), 1450–1464. <https://doi.org/10.1177/0018720820954056>