

Appendix 2. List of studies included in systematic review and meta-analysis

- A1. Al-Faouri I, Okour SH, Alakour NA, Alrabadi N. Knowledge and compliance with standard precautions among registered nurses: a cross-sectional study. *Ann Med Surg (Lond)*. 2021;62:419-424. <https://doi.org/10.1016/j.amsu.2021.01.058>
- A2. Alharbi AM, Bawazir AA, Nondo H. Compliance with standard precautions among nurses in Buraidah health care settings: Buraidah, Saudi Arabia. *Am J Infect Dis*. 2023;19(3):45-55. <https://doi.org/10.3844/ajidsp.2023.45.55>
- A3. Berdida DJ, Grande RA. Nurses' safety climate, quality of care, and standard precautions adherence and compliance: a cross-sectional study. *J Nurs Scholarsh*. 2024;56(3):442-454. <https://doi.org/10.1111/jnu.12960>
- A4. Byun SH, Kang DH. Perception of patient safety culture, knowledge and performance of standard precaution among long-term care hospitals nurses. *J Digit Converg*. 2019;17(9):231-240. <https://doi.org/10.14400/JDC.2019.17.9.231>
- A5. Cha HS, Lee KM. Knowledge and compliance with blood-borne pathogen prevention of hospital nurses: based on clinical experience. *J Korean Clin Nurs Res*. 2019;25(1):43-54. <http://doi.org/10.22650/JKCNR.2019.25.1.43>
- A6. Cho GY, Moon HJ. The effect of on the performance of standard precautions for infection prevention in small and medium-sized hospital nurses. *J Fish Mar Sci Educ*. 2020;32(5):1263-1275. <https://doi.org/10.13000/jfmse.2020.10.32.5.1263>
- A7. Cho OH, Hwang KH, Kim MN. Knowledge, performance, and educational needs of infection control among nurses in long-term care hospitals: a focus on Jeju province. *J Home Health Care Nurs*. 2021;28(2):135-143. <https://doi.org/10.22705/jkashcn.2021.28.2.135>
- A8. Choi EA. Study on the effect of nurses in response to new respiratory infection disease on the performance of standard precaution. *J Digit Converg*. 2020;18(12):285-292. <https://doi.org/10.14400/JDC.2020.18.12.285>
- A9. Choi J. Mediating effects of critical thinking propensity between perception of patient safety culture and practice of standard precaution of nurses in small and medium hospitals. *J Ind Converg*. 2024;22(3):101-110. <https://doi.org/10.22678/JIC.2024.22.3.101>
- A10. Choi JA, Lee HO, No SA, Kim SJ. Influencing factors on the compliance with standard precautions among nursing officers in the Korean military hospitals. *Korean J Mil Nurs Res*. 2012;30(2):31-43.
- A11. Cruz JP, Almazan JU, Kuntuganova A, Syzdykova A, Danebek K, Agazhayeva G. Standard precautions compliance and its associated factors among nurses in Kazakhstan: a cross-sectional study. *Am J Infect Control*. 2024;52(8):941-946. <https://doi.org/10.1016/j.ajic.2024.03.007>
- A12. Du X, Song Y, Wang H, Chen W, Wang L, Feng X, et al. Research on the relationship between nurses' compliance with standard precautions, servant leadership and emotional exhaustion: a cross-sectional survey. *J Adv Nurs*. 2024;80(7):2822-2834. <https://doi.org/10.1111/jan.16020>
- A13. El-Shafie IF, Mokabel FM, Helmy FE. The relationship between the knowledge of nursing staff and their compliance to universal precautions for prevention of hepatitis B viral infection. *J Egypt Public Health Assoc*. 1995;70(5-6):523-540.
- A14. Ghabayen F, ALBashtawy M, Abdelkader RH, Jarrah S, Eshah N, Abdalrahim A, et al. Knowledge and compliance with standard precautions among nurses. *SAGE Open Nurs*. 2023;9:23779608231189966. <https://doi.org/10.1177/23779608231189966>
- A15. Gruber M, Beavers FE, Johnson B, Brackett M, Lopez T, Feldman MJ, et al. The relationship between knowledge about acquired immunodeficiency syndrome and the implementation of universal precautions by registered nurses. *Clin Nurse Spec*. 1989;3(4):182-185. <https://doi.org/10.1097/00002800-198900340-00006>
- A16. Han D, Seo K, Kim ES, Kim HE. Influences of moral sensitivity and safety environment on compliance with standard precautions among nurses. *J Korea Acad Ind Coop Soc*. 2018;19(3):364-375. <https://doi.org/10.5762/KAIS.2018.19.3.364>
- A17. Huang Y, Lertwatthanawilat W, Klunklin P, Unahalekhaka A. A causal model of factors influencing adherence to standard precautions practices among Chinese emergency nurses: a cross-sectional study. *Pac Rim Int J Nurs Res*. 2024;28(3):525-536. <https://doi.org/10.60099/prijnr.2024.267631>
- A18. Jang MO, Lee JH. Factors affecting the compliance of standard precautions in long term care hospital nurses. *J Korean Appl Sci Technol*. 2021;38(3):813-823. <https://doi.org/10.12925/jkocs.2021.38.3.813>

- A19. Jeong E, Jung MR, Kim YM. Influences of safety attitude for patient, and moral sensitivity in practice of standard precaution in small and medium hospital nurses. *J Digit Converg*. 2021;19(9):453-461. <https://doi.org/10.14400/JDC.2021.19.9.453>
- A20. Jeong H, Go Y, Lee M, Jeong M. Nurses' calling, perceived risk, performance on standard precautions, and burnout in the COVID-19 pandemic. *J Ind Converg*. 2023;21(3):65-74. <https://doi.org/10.22678/JIC.2023.21.3.065>
- A21. Kim NY, Jeong SY. Perception on and behaviors for blood-borne infection prevention among operating room nurses. *J Korean Clin Nurs Res*. 2016;22(3):276-284. <https://doi.org/10.22650/JKCN.2016.22.3.276>
- A22. Kim H, Park HR. The effects of organizational culture for infection control and self-efficacy on compliance with standard precautions of emergency room nurses. *J Korean Biol Nurs Sci*. 2019;21(1):46-53. <https://doi.org/10.7586/jkbns.2019.21.1.46>
- A23. Kim Y, Song Y. Organizational culture for infection control and practice of standard precaution in veterans hospital nurses: the mediating effect of self-efficacy. *J Health Info Stat*. 2021;46(1):124-130. <https://doi.org/10.21032/jhis.2021.46.1.124>
- A24. Kim SJ, Lee EJ. Factors influencing emergency department nurses' compliance with standard precautions using multilevel analysis. *Int J Environ Res Public Health*. 2021;18(11):6149. <https://doi.org/10.3390/ijerph18116149>
- A25. Kim EJ, Kim SY. The influences of grit, patient safety culture and environment for healthcare-associated infection control on performance of standard precautions in hospital nurses. *J Korea Contents Assoc*. 2022;22(11):820-830. <https://doi.org/10.5392/JKCA.2022.22.11.820>
- A26. Kim JS, Lee E. Difference between self-reported adherence to standard precautions and surveillance and factors influencing observed adherence: a quantile regression approach. *BMC Nurs*. 2022;21(1):199. <https://doi.org/10.1186/s12912-022-00984-1>
- A27. Kim J, Park H. The influence of knowledge on standard precautions, nursing professionalism, and organizational culture for infection control on hospital nurses' performance with guidelines for standard precautions. *J Korean Acad Fundam Nurs*. 2023;30(2):225-235. <http://doi.org/10.7739/jkafn.2022.30.2.225>
- A28. Kong HK, Park TJ, Park KY. Knowledge on blood-borne infection, awareness and compliance on blood-borne infection control, and factors influencing compliance among emergency nurses. *Korean J Healthc Assoc Infect Control Prev*. 2016;21(2):65-73. <https://doi.org/10.14192/kjhaicp.2016.21.2.65>
- A29. Koo SJ, An OK, Lee HJ. Factors influencing performance of standard precautions by general hospital nurses. *Health Welf*. 2022;24(3):259-277. <https://doi.org/10.23948/kshw.2022.09.24.3.259>
- A30. Lee SH, Yang IS. Infection control knowledge and standard precaution practice among clinical nurses in small and medium-sized hospital. *J Converg Inf Technol*. 2022;12(2):107-115. <https://doi.org/10.22156/CS4SMB.2022.12.02.107>
- A31. Lee K, Kim H, Lee YW, Ham OK. Factors influencing compliance with standard precautions in intensive care unit and emergency room nurses. *J Korean Acad Fundam Nurs*. 2012;19(3):302-312. <https://doi.org/10.7739/jkafn.2012.19.3.302>
- A32. Lee KH, Choi JO, Lee KS, Hur J, Hwang TY. Nurses' knowledge, attitude, and compliance with hospital infection standard precautions. *Korea J Hosp Manag*. 2014;19(2):33-42. <https://www.koreascience.kr/article/JAKO201422333818163.pdf>
- A33. Lee JI, Kim JK. Factors affecting nurses' performance of standard precautions for infection in public medical institutions: focusing on knowledge and safety environment. *J Korea Contents Assoc*. 2021;21(7):238-247. <https://doi.org/10.5392/JKCA.2021.21.07.238>
- A34. Lim JH, Ahn JW, Son YJ. Association between hospital nurses' perception of patient safety management and standard precaution adherence: a cross-sectional study. *Int J Environ Res Public Health*. 2019;16(23):4744. <https://doi.org/10.3390/ijerph16234744>
- A35. Lim SH, Bouchoucha SL, Aloweni F, Bte Suhari N. Evaluation of infection prevention and control preparedness in acute care nurses: factors influencing adherence to standard precautions. *Infect Dis Health*. 2021;26(2):132-138. <https://doi.org/10.1016/j.idh.2020.11.005>
- A36. Luo Y, He GP, Zhou JW, Luo Y. Factors impacting compliance with standard precautions in nursing, China. *Int J Infect Dis*. 2010;14(12):e1106-e1114. <https://doi.org/10.1016/j.ijid.2009.03.037>
- A37. Mehravar A, Mokhtari LN, Emami SA, Maroufizadeh S. Nurses' compliance with standard precautions based on health belief model in emergency departments. *J Holist Nurs Midwifery*. 2022;32(2):135-143. <https://doi.org/10.32598/jhnm.32.2.2188>
- A38. Ogunrinde OE, Olukolade FT, Akpor OA, Ojo AA, Ojo IO, Alebiosu IA, et al. Attitude and compliance of nurses to standard precau-

- tions to infection control in Ekiti State, Southwest Nigeria. *Afr J Reprod Health*. 2023;27(6s):60-69. <https://doi.org/10.29063/ajrh2023/v27i6s.8>
- A39. Oh E, Choi JS. Factors influencing the adherence of nurses to standard precautions in South Korea hospital settings. *Am J Infect Control*. 2019;47(11):1346-1351. <https://doi.org/10.1016/j.ajic.2019.05.015>
- A40. Park MS. Exposure to blood and body fluids and influencing factors on compliance with standard precautions among nurses in general hospital. *J Korea Acad Ind Coop Soc*. 2016;17(11):563-572. <https://doi.org/10.5762/KAIS.2016.17.11.563>
- A41. Park JY, Woo CH. The relationship among moral sensitivity, self-leadership, fatigue and compliance with standard precautions of intensive care nurses. *J Digit Converg*. 2020;18(9):229-237. <https://doi.org/10.14400/JDC.2020.18.9.229>
- A42. Park S, Yang Y, Song E. Factors influencing knowledge, awareness, and compliance with standard precautions among psychiatric nurses. *Arch Psychiatr Nurs*. 2021;35(6):625-630. <https://doi.org/10.1016/j.apnu.2021.09.002>
- A43. Roh MJ, Han MA, Park J, Ryu SY. The performance of infection control for injection and related procedures among nurses. *J Korean Soc Health Syst Pharm*. 2017;34(4):410-421. <https://doi.org/10.32429/jkshp.2017.34.4.004>
- A44. Shin HY, Kim KH, Kim KS. Study on pediatric nurses' attitudes and compliance with hospital infection standard precautions. *J Korean Acad Child Health Nurs*. 2011;17(4):238-246. <https://doi.org/10.4094/jkachn.2011.17.4.238>
- A45. Shin NY, Lee SS, Park MJ, Park YM, Kim SK, Nam KH. Differences between the intention to implement hand hygiene and hand hygiene behavior in accordance with education experience and fulfillment of infection control among new nurses during undergraduate studies. *J Korea Soc Simul Nurs*. 2021;9(1):15-26. <https://doi.org/10.17333/JKSSN.2021.9.1.15>
- A46. Sim MK. Knowledge, awareness, safety-climate and performance of standard precautions for healthcare associated infection control among nurses in small and medium hospitals. *J Korea Acad Ind Coop Soc*. 2019;20(11):425-435. <https://doi.org/10.5762/KAIS.2019.20.11.425>
- A47. Sim MK, Chae KS. Factors influencing the performance of standard precautions for healthcare associated infection control among nurses in long-term care hospitals. *J Korea Acad Ind Coop Soc*. 2022;23(2):507-517. <https://doi.org/10.5762/KAIS.2022.23.2.507>
- A48. Sim SJ, Park H. A comparison of compliance with standard precautions for infection prevention between nurses at accredited Korean medicine hospitals and non-accredited Korean medicine hospitals. *J East West Nurs Res*. 2022;28(2):91-99. <https://doi.org/10.14370/jewnr.2022.28.2.91>
- A49. Suh YH, Oh HY. Knowledge, perception, safety climate, and compliance with hospital infection standard precautions among hospital nurses. *J Korean Clin Nurs Res*. 2010;16(1):61-70. <https://doi.org/10.22650/JKCNr.2010.16.1.61>
- A50. Tae SH, Hwang EH. Nurses' clinical competence and its relationship with perception of and compliance with standard precautions. *Korean J Health Promot*. 2012;12(1):40-46.