

BIBLIOGRAPHY

- Alfandi, N., Alhassan, Z., Alfandi, N., Alsobie, S., Alkhalaf, B., Bin Ahmed, F., & Alamer, S. (2024). Assessment of knowledge, attitudes, and practices of herpes zoster vaccination among the general population in Al-Ahsa, Saudi Arabia. *Journal of Healthcare Sciences*, 4(1), Article JOHS2024000812. <https://doi.org/10.52533/JOHS.2024.40102>
- Alhazmi, A. H., Jaafari, H., Hufaysi, A. H., Alhazmi, A. K., Harthi, F., Hakami, T. K. M., Hadadi, R. T., Gharwi, N., Bajawi, R. H., Hakami, E. F., Hakami, N. M., & Elfaki, M. M. (2024). Knowledge of herpes zoster virus and its vaccines among older adults in Jazan Province, Saudi Arabia: A cross-sectional study. *Cureus*, 16(9), e68726. <https://doi.org/10.7759/cureus.68726>
- Alhothali, O. S., Alhothali, A. S., Hanif, A. A., Bondagji, M. F., Aljabri, H. M., & Goweda, R. (2023). A Cross-Sectional Study of the Knowledge, Practice, and Attitude Towards Herpes Zoster Vaccination Among the General Population in the Western Region of Saudi Arabia. *Cureus*, 15(1), e33508. <https://doi.org/10.7759/cureus.33508>
- Alici, D. E., Sayiner, A., & Unal, S. (2017). Barriers to adult immunization and solutions: Personalized approaches. *Human Vaccines & Immunotherapeutics*, 13(1), 213–215. <https://doi.org/10.1080/21645515.2016.1234556>
- Alleft, L. A., Alhosaini, L. S., Almutlaq, H. M., Alshayea, Y. M., Alshammari, S. H., Aldosari, M. A., & Alateeq, F. A. (2023). Public knowledge, attitude, and practice toward herpes zoster vaccination in Saudi Arabia. *Cureus*, 15(11), e49396. <https://doi.org/10.7759/cureus.49396>
- Almakhdob, M., Selim, M., & Abdalrouf, A. (2024). Factors influencing herpes zoster vaccine utilization among adults aged 50 and above attending primary healthcare center in Saudi Arabia: A cross-sectional study. *Cureus*, 16(8), e66761. <https://doi.org/10.7759/cureus.66761>
- Almalki, M., Albatly, L., Almalki, A., Alroqy, A., Alruqi, F., Alhejaili, B., & Almalki, M. (2024). Knowledge, attitude, and practice regarding herpes zoster vaccination among PHC patients in the central region of Saudi Arabia: A cross-sectional study. *International Journal of Medicine in Developing Countries*, 8(9), 2242–2249. <https://doi.org/10.24911/IJMDC.51-1724738261>
- Almutawa, Y. M., Bhattarai, E., & Zhao, J.-J. (2024). The mechanism, impact, and effectiveness of herpes zoster vaccine: A narrative review. *International Journal of Dermatology and Venereology*, 7(4), 226–232. <https://doi.org/10.1097/JD9.0000000000000256>
- AlMuammar, S., Albogmi, A., Alzahrani, M., Alsharif, F., Aljohani, R., & Aljilani, T. (2023). Herpes zoster vaccine awareness and acceptance among adults in Saudi Arabia: a survey-based cross-sectional study. *Tropical diseases, travel medicine and vaccines*, 9(1), 17. <https://doi.org/10.1186/s40794-023-00202-z>

- Alomairi, N. E. (2024). Assessment of public awareness and knowledge about herpes zoster disease and attitude towards its vaccination. *World Journal of Pharmaceutical and Medical Research*, 10(12), 13–24.
- American Psychological Association. (2018). *Attitude*. In APA dictionary of psychology. Retrieved September 3, 2025, from <https://dictionary.apa.org/attitude>
- American Psychological Association. (2018). *Knowledge*. In APA dictionary of psychology. Retrieved September 3, 2025, from <https://dictionary.apa.org/knowledge>
- Baalbaki, N. A., Fava, J. P., Ng, M., Okorafor, E., & Nawaz, A. (2019). A community-based survey to assess knowledge, attitudes, beliefs and practices regarding herpes zoster in an urban setting. *Infectious Diseases and Therapy*, 8(4), 687–694. <https://doi.org/10.1007/s40121-019-00269-2>
- Beale, S., Burns, R., Braithwaite, I., Byrne, T., Lam, E. F. W., Fragaszy, E., Geismar, C., Hoskins, S., Kovar, J., Navaratnam, A. M. D., Nguyen, V., Patel, P., Yavlinsky, A., Van Tongeren, M., Aldridge, R. W., Hayward, A., & Virus Watch Collaborative. (2022). Occupation, worker vulnerability, and COVID-19 vaccination uptake: Analysis of the Virus Watch prospective cohort study. *Vaccine*, 40(52), 7646–7652. <https://doi.org/10.1016/j.vaccine.2022.10.080>
- Boateng, G. O., Neilands, T. B., Frongillo, E. A., Melgar-Quiñonez, H. R., & Young, S. L. (2018). Best practices for developing and validating scales for health, social, and behavioral research: A primer. *Frontiers in Public Health*, 6, 149. <https://doi.org/10.3389/fpubh.2018.00149>
- Centers for Disease Control and Prevention. (2023). *Shingles (herpes zoster) vaccination: Vaccine use and safety*. U.S. Department of Health & Human Services. <https://www.cdc.gov/shingles/hcp/vaccine-considerations/index.html>
- Cheah, W. L., Francis Wing, C. B., Zahari, A. N., Idris, A. S., Maksul, N. A. A., Yusman, N. A. L., & John, W. (2021). Willingness to treat COVID-19 disease: What do medical & nursing students perceive?. *Ethics, medicine, and public health*, 17, 100651. <https://doi.org/10.1016/j.jemep.2021.100651>
- Chen, J., Shantakumar, S., Si, J., Gowindah, R., Parikh, R., Chan, F., Chan, M., Choi, W. S., Huang, E., Huang, K.-C., Huang, L.-M., Kim, H., Leong, C. K., Leong, H.-N., Seo, Y., Williams, C., & Wong, A. T. Y. (2024). Knowledge, attitude, and practice toward herpes zoster (HZ) and HZ vaccination: Concept elicitation findings from a multi-country study in the Asia Pacific. *Human Vaccines & Immunotherapeutics*, 20(1), 2317446. <https://doi.org/10.1080/21645515.2024.2317446>
- Cheng, L.-y. (2019). A pilot study to assess the awareness of herpes zoster and the attitudes towards herpes zoster vaccination among Chinese patients attending a government general out-patient clinic in Hong Kong. *The Hong Kong Practitioner*, 41, 60–65.
- Creswell, J. W., & Creswell, J. D. (2018). *Research design: Qualitative, quantitative, and mixed methods approaches* (5th ed.). Sage.

- Cunningham, A. L., & Levin, M. J. (2018). Herpes zoster vaccines. *The Journal of Infectious Diseases*, 218(Suppl_2), S127–S133. <https://doi.org/10.1093/infdis/jiy382>
- Cunningham, A. L., Heineman, T. C., Lal, H., Godeaux, O., Chlibek, R., Hwang, S.-J., ... ZOE-50/70 Study Group. (2018). Immune responses to a recombinant glycoprotein E herpes zoster vaccine in adults aged 50 years or older. *The Journal of Infectious Diseases*, 217(11), 1750–1760. <https://doi.org/10.1093/infdis/jiy095>
- Cunningham, A. L., Lal, H., Kovac, M., Chlibek, R., Hwang, S.-J., Díez-Domingo, J., ... Heineman, T. C. (2016). Efficacy of the herpes zoster subunit vaccine in adults 70 years of age or older. *The New England Journal of Medicine*, 375(11), 1019–1032. <https://doi.org/10.1056/NEJMoa1603800>
- Díez-Domingo, J., Curran, D., Cambronero, M. D. R., Garcia-Martinez, J. A., & Matthews, S. (2021). Economic burden and impact on quality of life of herpes zoster in Spanish adults aged 50 years or older: A prospective cohort study. *Advances in Therapy*, 38(6), 3325–3341. <https://doi.org/10.1007/s12325-021-01717-7>
- Ek, S. (2015). Gender differences in health information behaviour: A Finnish population-based survey. *Health Promotion International*, 30(3), 736–745. <https://doi.org/10.1093/heapro/dat063>
- Etikan, I., Musa, S. A., & Alkassim, R. S. (2016). Comparison of convenience sampling and purposive sampling. *American Journal of Theoretical and Applied Statistics*, 5(1), 1–4.
- Ferrara, G., Mudhune, S., Rogers, A., Mbeya, J., Achieng, A., Were, V., Shumba, C., Muga, A., & Starnes, J. (2025). Willingness to be vaccinated against COVID-19 and associated factors in Migori County, Kenya: Analysis of cross-sectional observational survey data. *PLOS Global Public Health*, 5(3), e0003699. <https://doi.org/10.1371/journal.pgph.0003699>
- Fischer, H., Huff, M., Anders, G., & Said, N. (2023). Metacognition, public health compliance, and vaccination willingness. *Proceedings of the National Academy of Sciences of the United States of America*, 120(43), e2105425120. <https://doi.org/10.1073/pnas.2105425120>
- Gershon, A. A., Breuer, J., Cohen, J. I., Cohrs, R. J., Gershon, M. D., Gilden, D., ... Yamanishi, K. (2015). Varicella zoster virus infection. *Nature Reviews Disease Primers*, 1, 15016. <https://doi.org/10.1038/nrdp.2015.16>
- Gopichandran, V., & Sakthivel, K. (2021). Doctor-patient communication and trust in doctors during COVID-19 times: A cross-sectional study in Chennai, India. *PLOS ONE*, 16(6), e0253497. <https://doi.org/10.1371/journal.pone.0253497>
- Grudziąż-Sękowska, J., Sękowski, K., Grześczyk-Nojszewska, Z., Kamińska, A., Sierpiński, R., Ostrowski, J., Pinkas, J., & Jankowski, M. (2024). Public awareness and willingness to vaccinate against herpes zoster: A nationwide cross-sectional study in Poland. *Vaccines*, 12(12), 1393. <https://doi.org/10.3390/vaccines12121393>

- Harbecke, R., Cohen, J. I., & Oxman, M. N. (2021). Herpes zoster vaccines. *The Journal of Infectious Diseases*, 224(Suppl_2), S429–S442. <https://doi.org/10.1093/infdis/jiab387>
- Hotifah, Y., Suryanto, Hamidah, & Yoenanto, N. H. (2020). Determinant factors of willingness to learn: Systematic literature review. *In Advances in Social Science, Education and Humanities Research* (Vol. 508). Atlantis Press. <https://doi.org/10.2991/assehr.k.201214.322>
- Ittefaq, M., Vu, H. T., Zain, A., Ramazan, T., & Kreps, G. L. (2024). Analysis of public opinion polls about COVID-19 vaccines: Theoretical and policy implications for vaccine communication and campaigns to address vaccine hesitancy. *Human Vaccines & Immunotherapeutics*, 20(1), 2437921. <https://doi.org/10.1080/21645515.2024.2437921>
- Kotrounoulas, G., & Papadopoulou, C. (2023). A primer to experimental and nonexperimental quantitative research: The example case of tobacco-related mouth cancer. *Seminars in Oncology Nursing*, 39(2), 151396. <https://doi.org/10.1016/j.soncn.2023.151396>
- Lam, A. C. Y., Chan, M. Y., Chou, H. Y., Ho, S. Y., Li, H. L., Lo, C. Y., Shek, K. F., To, S. Y., Yam, K. K., & Yeung, I. (2017). A cross-sectional study of the knowledge, attitude, and practice of patients aged 50 years or above towards herpes zoster in an out-patient setting. *Hong Kong Medical Journal*, 23(4), 365–373. <https://doi.org/10.12809/hkmj165043>
- Lal, H., Cunningham, A. L., Godeaux, O., Chlibek, R., Diez-Domingo, J., Hwang, S.-J., ... Heineman, T. C. (2015). Efficacy of an adjuvanted herpes zoster subunit vaccine in older adults. *The New England Journal of Medicine*, 372(22), 2087–2096. <https://doi.org/10.1056/NEJMoa1501184>
- Lamot, M., & Kirbiš, A. (2024). Understanding vaccine hesitancy: A comparison of sociodemographic and socioeconomic predictors with health literacy dimensions. *Vaccines*, 12(10), 1141. <https://doi.org/10.3390/vaccines12101141>
- Lang, P. O., & Aspinall, R. (2021). Vaccination for quality of life: Herpes–zoster vaccines. *Aging Clinical and Experimental Research*, 33(5), 1113–1122. <https://doi.org/10.1007/s40520-019-01374-5>
- Lanzante, J. R. (2021). Testing for differences between two distributions in the presence of serial correlation using the Kolmogorov–Smirnov and Kuiper’s tests. *International Journal of Climatology*, 41(14), 6314–6323. <https://doi.org/10.1002/joc.7196>
- Lemeshow, S., Hosmer, D. W., Klar, J., & Lwanga, S. K. (1990). *Adequacy of sample size in health studies*. World Health Organization.
- Lim, D. Z. J., Tey, H. L., Salada, B. M. A., Oon, J. E. L., Seah, E. D., Chandran, N. S., & Pan, J. Y. (2024). Herpes zoster and post-herpetic neuralgia—Diagnosis, treatment, and vaccination strategies. *Pathogens*, 13(7), 596. <https://doi.org/10.3390/pathogens13070596>
- Losa, L., Antonazzo, I. C., Di Martino, G., Mazzaglia, G., Tafuri, S., Mantovani, L. G., & Ferrara, P. (2024). Immunogenicity of recombinant zoster vaccine: A systematic review, meta-analysis, and meta-regression. *Vaccines*, 12(5), 527. <https://doi.org/10.3390/vaccines12050527>

- Mishra, P., Pandey, C. M., Singh, U., Gupta, A., Sahu, C., & Keshri, A. (2019). Descriptive statistics and normality tests for statistical data. *Annals of Cardiac Anaesthesia*, 22(1), 67–72. https://doi.org/10.4103/aca.ACA_157_18
- Montero, D. A., Vidal, R. M., Velasco, J., Carreño, L. J., Torres, J. P., Benachi, O. M. A., ... O’Ryan, M. (2024). Two centuries of vaccination: Historical and conceptual approach and future perspectives. *Frontiers in Public Health*, 11, 1326154. <https://doi.org/10.3389/fpubh.2023.1326154>
- Oleszko, M., Zapolnik, P., Kmiecik, W., & Czajka, H. (2025). Herpes zoster: Risk factors for occurrence, complications, and recurrence with a focus on immunocompromised patients. *Diseases*, 13(3), 71. <https://doi.org/10.3390/diseases13030071>
- Oxford University Press. (n.d.). *Willingness*. In Oxford Learner’s Dictionaries. Retrieved September 3, 2025, from <https://www.oxfordlearnersdictionaries.com/definition/english/willingness>
- Patil, A., Goldust, M., & Wollina, U. (2022). Herpes zoster: A review of clinical manifestations and management. *Viruses*, 14(2), 192. <https://doi.org/10.3390/v14020192>
- Pemerintah Provinsi DKI Jakarta. (2023). *Kota Administrasi Jakarta Barat*. Retrieved September 4, 2025, from <https://www.jakarta.go.id/kota-administrasi-jakarta-barat>
- Qin, T., Wei, P., & Xie, Y. (2025). Does education level affect the health status of the elderly? The chain mediating effect of internet use, health behavior and social class identity. *PLOS ONE*, 20(2), e0319389. <https://doi.org/10.1371/journal.pone.0319389>
- Ranganathan, P., & Aggarwal, R. (2019). Study designs: Part 3 – Analytical observational studies. *Perspectives in Clinical Research*, 10(2), 91–97. https://doi.org/10.4103/picr.picr_35_19
- Roh, N. K., Park, Y. M., Kang, H., Choi, G. S., Kim, B. J., Lee, Y. W., Lew, B. L., & Sim, W. Y. (2015). Awareness, Knowledge, and Vaccine Acceptability of Herpes Zoster in Korea: A Multicenter Survey of 607 Patients. *Annals of dermatology*, 27(5), 531–538. <https://doi.org/10.5021/ad.2015.27.5.531>
- Sayılır, H. Ö., & Köse, Ş. (2024). Herpes zoster awareness: A pilot centre analysis. *Pamukkale Medical Journal*, 17(4), 704. <https://doi.org/10.31362/patd.1500710>
- Setia, M. S. (2016). Methodology series module 3: Cross-sectional studies. *Indian Journal of Dermatology*, 61(3), 261–264. <https://doi.org/10.4103/0019-5154.182410>
- Shi, Z., Lu, F., Xia, Y., & He, P. (2025). Cost burden and temporal trends of herpes zoster in China: Evidence from Beijing's health records. *Preventive Medicine Reports*, 53, 103046. <https://doi.org/10.1016/j.pmedr.2025.103046>
- Society of Infectious Diseases Singapore. (2023). *Handbook on adult vaccination in Singapore 2023* (pp. 99–101).
- Sorrentino, M., Belpiede, A., Fiorilla, C., Mercogliano, M., Triassi, M., & Palladino, R. (2024). Logistic and organizational barriers to herpes zoster

- vaccination in Europe: A systematic review. *Vaccine: X*, 20, 100544. <https://doi.org/10.1016/j.jvacx.2024.100544>
- Soveri, A., Karlsson, L. C., Mäki, O., Antfolk, J., Waris, O., Karlsson, H., Karlsson, L., Lindfelt, M., & Lewandowsky, S. (2020). Trait reactance and trust in doctors as predictors of vaccination behavior, vaccine attitudes, and use of complementary and alternative medicine in parents of young children. *PLOS ONE*, 15(7), e0236527. <https://doi.org/10.1371/journal.pone.0236527>
- Stratton, S. J. (2021). Population research: Convenience sampling strategies. *Prehospital and Disaster Medicine*, 36(4), 373–374. <https://doi.org/10.1017/S1049023X21000649>
- Strezova, A., Díez Domingo, J., Cunningham, A. L., Eto, T., Andrews, C., Arns, C., ... Mwakingwe-Omari, A. (2025). Final analysis of the ZOE-LTFU trial to 11 years postvaccination: Efficacy of the adjuvanted recombinant zoster vaccine against herpes zoster and related complications. *eClinicalMedicine*, 83, 103241. <https://doi.org/10.1016/j.eclinm.2025.103241>
- Tavakol, M., & Dennick, R. (2011). Making sense of Cronbach's alpha. *International Journal of Medical Education*, 2, 53–55. <https://doi.org/10.5116/ijme.4dfb.8dfd>
- Tseng, H.-F., Sy, L. S., Ackerson, B. K., Rayens, E., Wu, J., Luo, Y., ... Qian, L. (2025). Effectiveness of the adjuvanted recombinant zoster vaccine in adults ≥ 50 years in the United States. *Clinical Infectious Diseases*, ciaf329. <https://doi.org/10.1093/cid/ciaf329>
- van Oorschot, D., Vroling, H., Bunge, E., Diaz-Decaro, J., Curran, D., & Yawn, B. (2021). A systematic literature review of herpes zoster incidence worldwide. *Human Vaccines & Immunotherapeutics*, 17(6), 1714–1732. <https://doi.org/10.1080/21645515.2020.1847582>
- Varghese, L., Standaert, B., Olivieri, A., & Curran, D. (2017). The temporal impact of aging on the burden of herpes zoster. *BMC Geriatrics*, 17(1), 30. <https://doi.org/10.1186/s12877-017-0420-9>
- Wang, M., Long, C., Hu, M.-Z., Wang, Y. S., Xia, Y.-Q., Yuan, B.-B., ... & (2023). Willingness to vaccinate against herpes zoster in Chinese urban population: a mixed-methods study. *BMJ Open*, 13(12), e079115. <https://doi.org/10.1136/bmjopen-2023-079115>
- Wang, Q., Yang, L., Li, L., Liu, C., Jin, H., & Lin, L. (2023). Willingness to vaccinate against herpes zoster and its associated factors across WHO regions: Global systematic review and meta-analysis. *JMIR Public Health and Surveillance*, 9, e43893. <https://doi.org/10.2196/43893>
- Wang, X., Xing, Y., Zhang, E., Dai, Z., Li, Y., Shang, S., Hu, J., Zhang, X., & Fang, Q. (2024). Understanding herpes zoster vaccine hesitancy and information asymmetry: a qualitative study in China. *Frontiers in public health*, 12, 1429522. <https://doi.org/10.3389/fpubh.2024.1429522>
- World Health Organization. (2024). *Vaccines and immunization: What is vaccination?*

- <https://www.who.int/news-room/questions-and-answers/item/vaccines-and-immunization-what-is-vaccination>
- World Health Organization. (2025). *Shingles (herpes zoster) [Fact sheet]*. <https://www.who.int/news-room/fact-sheets/detail/shingles-%28herpes-zoster%29>
- Yang, T. U., Cheong, H. J., Song, J. Y., Noh, J. Y., & Kim, W. J. (2015). Survey on public awareness, attitudes, and barriers for herpes zoster vaccination in South Korea. *Human Vaccines & Immunotherapeutics*, *11*(3), 719–726. <https://doi.org/10.1080/21645515.2015.1008885>
- Yih, W. K., Kulldorff, M., Dashevsky, I., & Maro, J. C. (2022). A broad safety assessment of the recombinant herpes zoster vaccine.
- Zhu, Y., Tao, Z., Feng, H., Xu, Q., Chen, L., Ding, S., Li, Y., & Dong, Y. (2025). Vaccination coverage, willingness and determinants of herpes zoster vaccine among individuals aged 50 and above in Ningbo, China: A population-based cross-sectional study. *Human vaccines & immunotherapeutics*, *21*(1), 2524247. <https://doi.org/10.1080/21645515.2025.2524247>