

Seunghyun Lewis Kwon, Ph.D.

Sejong, Republic of Korea

lewis.kwon@kdis.ac.kr | [linkedin.com/in/lewiskwon](https://www.linkedin.com/in/lewiskwon) | ORCID: 0000-0002-0113-0179

Position

Senior Deputy Director, Division of Infectious Disease Control, KDCA Aug. 2025–Present

Education

Ph.D. Public Policy, KDI School of Public Policy and Management 2025

Dissertation: Three Essays on Immunization: Impact, Perception, and the Decision-Making Process

MBA, Rotterdam School of Management, Erasmus University 2018

Master of Development Policy, KDI School of Public Policy and Management 2017

B.A. Economics and English, Handong Global University 2008

Fields of Expertise

Viral hepatitis elimination; immunization policy; adult vaccination; epidemic intelligence; surveillance-system integration; emergency response governance; vaccine hesitancy; public health decision-making; global health security capacity-building.

Professional Experience

Korea Disease Control and Prevention Agency (KDCA) 2020–Present

Senior Deputy Director / Deputy Director

- Lead national policy and strategic planning for viral hepatitis prevention and control aligned with WHO 2030 elimination goals.
- Manage integration of hepatitis surveillance data and clinical datasets to strengthen early detection and public health outcomes.
- Led major immunization and emergency-response functions, including rotavirus NIP introduction, COVID-19 risk assessment and 3T strategy, Mpox vaccination, and surveillance modernization.

Ministry of Health and Welfare 2009–2020

Assistant Director

- Managed infectious disease control planning, budget coordination, inter-government cooperation, and pandemic preparedness assessment.
- Led or supported major response and policy functions for Ebola, MERS, infectious disease legislation, long-term care infection control, and international cooperation with WHO and UNICEF.
- Executed quarantine, rapid testing, and vaccine-distribution functions during the H1N1 epidemic response.

Publications

2025

- **Kwon, S. L.**, & Choi, S. W. (2025). Vaccination in the shadow of uncertainty: Exploring the links between government trust and COVID-19 vaccine acceptance. *Human Vaccines & Immunotherapeutics*, 21(1).
- Kim, A. R., Achanwanga, C., Do, H. N., Jang, E. Y., Nam, Y., Cho, S., Kim, T., Jeong, H. S., Rhie, G. E., Oh, K., **Kwon, S. L.**, Lee, S., Lee, J., & Ryu, S. (2025). Seroprevalence trends of antibodies to SARS-CoV-2 in South Korea, 2021–2022: A repeated cross-sectional study. *Influenza and Other Respiratory Viruses*, 19(6), e70117.
- Kang, S. K., **Kwon, S. L.**, et al. (2025). Trends and epidemiological characteristics of acute hepatitis B among foreign nationals in the Republic of Korea, 2014–2024. *Public Health Weekly Report*, 18(44).
- Kim, S. Y., Song, M., & **Kwon, S. L.** (2025). Impact of caregiver vaccination status on child influenza vaccination hesitancy. *Vaccine*, 49, 126852.
- Kim, S. Y., Jeong, H. J., Ko, H., **Kwon, S. L.**, & Lee, D. (2025). Strengthening national immunization program governance. *Vaccine: X*, 24.

2024

- **Kwon, S. L.**, Kim, S. Y., Song, M., et al. (2024). Assessing the determinants of influenza and COVID-19 vaccine co-administration decisions in the elderly. *Human Vaccines & Immunotherapeutics*, 20(1).
- **Kwon, S. L.**, Song, M., Lee, W., et al. (2024). First nationwide Mpox vaccination program in the Republic of Korea: Implications for an enhanced public health response. *Journal of Korean Medical Science*, 39(32).
- Kim, J., Song, M., Ahn, S., & **Kwon, S. L.** (2024). Twenty years of progress and the way forward: Immunization registry information system in Korea. *Journal of Korean Medical Science*, 39(12).
- Cho, J., Kim, E. M., Kim, J., et al. (2024). Effect of the human papillomavirus vaccine on the risk of genital warts. *Epidemiology and Health*, 46.

2023

- **Kwon, S. L.**, & Kim, B. I. (2023). How COVID-19 shifted the seasonal flu in Korea. *Influenza and Other Respiratory Viruses*, 17(3).
- Lee, J., **Kwon, S. L.**, Park, J., et al. (2023). JYNNEOS vaccine safety monitoring in the Republic of Korea, 2022. *Osong Public Health and Research Perspectives*, 14(5).
- Kim, S. J., **Kwon, S. L.**, Lee, J. Y., et al. (2023). Why school is crucial to increase vaccination coverage for children. *Vaccine*, 41(21).

2021–2022

- **Kwon, S. L.**, Ban, S., Shin, J., et al. (2022). Monkeypox vaccination in the Republic of Korea. *Journal of Korean Medical Science*, 37(29).
- **Kwon, S. L.**, & Oh, J. (2022). COVID-19 vaccination program in South Korea: A long journey toward a new normal. *Health Policy and Technology*, 11(2).

Invited Presentations and Lectures

2026

- **Infectious Disease Characteristics and Countermeasures** Mar. 2026
Speaker, *Regional Safety Capacity Improvement Joint Workshop*, National Disaster Management Research Institute, Cheongju OSCO, Republic of Korea

2025

- **Korea's Adult Immunization Strategy** Sep. 2025
Speaker, *Strengthening Adult Immunization Policy in APEC: Regional Alignment and Global Engagement*, IVI side event during the APEC High-Level Meeting on Health and the Economy and World Bio Summit 2025, Seoul, Republic of Korea
- **Strengthening Evidence-Based Vaccine Decision-Making** Sep. 2025
Speaker, *Vaccinology: Science and Public Health Symposium*, Nagasaki University / London School of Hygiene and Tropical Medicine / International Vaccine Institute, Nagasaki, Japan
- **Korea's National Immunization Policy** Aug. 2025
lecturer, *Lee Jong-wook Fellowship Infectious Disease Expert Course*, Korea University / Korea Foundation for International Healthcare, Seoul, Republic of Korea
- **Overcoming Vaccine Hesitancy** Jun. 2025
lecturer, *Global Training Hub for Biomanufacturing (GTH-B)*, International Vaccine Institute, Seoul, Republic of Korea

2024

- **Communicating Science to the Public: Vaccine Hesitancy** Sep. 2024
Speaker, *ASEAN Vaccine Security and Self-Reliance (AVSSR) Vaccine Human Resource Development Program*, Bangkok, Thailand
- **Field-Based Competency Development for Public Officials** Apr. and Sep. 2024
lecturer, *6th-grade Core Competency Enhancement Course* (Cohorts 1 and 2), Korea Human Resource Development Institute for Health and Welfare (KOHI), Osong, Republic of Korea

Awards

KDCA Commissioner's Award	2025
Order of Civil Merit by the President of Korea, Sierra Leone Ebola response contribution	2015
Health and Welfare Minister's Award	2007