Shaolong REN

Postdoctoral Researcher, School of Public Health, Nanjing Medical University

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Education

Ph.D. in Epidemiology, School of Public Health, Fudan University, Shanghai, China
2019 – 2024 (MSc-PhD integrated program)

B.Sc. in Preventive Medicine, School of Public Health, Fudan University, Shanghai, China
2014 – 2019

Research Interests

- Respiratory syncytial virus(RSV): disease burden, seasonality, and immunization strategies
- Infectious disease epidemiology and mathematical modeling
- Causal inference methods in observational epidemiologic studies

Research Experience

- **Postdoctoral Researcher** Nanjing Medical University, Nanjing, China *2024 – Present*
  - Leading a comparative modelling study on regional disparities in infant RSV burden under expanded passive immunisation (2019–2026)

Publications

1. **Ren S**, Chen Q, Zhang Y, *et al.* (2024). Modeling the optimal seasonal monoclonal antibody administration strategy for respiratory syncytial virus (RSV) prevention based on age-season specific hospitalization rate of RSV in Suzhou, China, 2016-2022. *Vaccine*, 42(2):352–361. PMID: 38057209
2. **Ren S**, Shi T, Shan W, *et al.* (2022). Hospitalization rate of respiratory syncytial virus-associated acute lower respiratory infection among young children in Suzhou, China, 2010-2014. *Influenza Other Respir Viruses*, 16(4):789–799. PMID: 34989118
3. Lu Y, **Ren S**, Shao X, *et al.* (2025). Association of ambient temperature and relative humidity with respiratory syncytial virus infections among hospitalized children in Suzhou, Eastern China: a time-Series analysis. *GeoHealth*, 9(5):e2025GH001353. PMID: 40400772
4. Lu Y, Chen Q, **Ren S**, *et al.* (2024). Impact of COVID-19 nonpharmaceutical interventions on respiratory syncytial virus infections in hospitalized children. *Influenza Other Respir Viruses*, 18(4):e13291. PMID: 38653953
5. Shen S, **Ren S**, Chen L, *et al.* (2022). Rotavirus infection in children <5 years of age in Suzhou, China, 2013-2019: disease burden, genotype distribution and seasonality. *Pediatr Infect Dis J*, 41(5):375–380. PMID: 35067641

Awards

- First Place (Graduate Student Category) for APRU Global Health Student Poster Contest 2023
- Second Award, 10th Kylin Cup" National Open-source Software Development Contest, 2021
- Second Award, "Shared Cup" Innovation Competition on Population Health, 2018

Skills

- **Programming:** R (tidyverse, ggplot2, shiny, etc.), Python, Javascript
- **Data Analysis:** Medical statistics, data visualization, Shiny app development

Contact

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