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Biography

Articles in Scholarly Journals

Social Contact Patterns in Rural and Urban Settings, Mozambique, 2021–2022

KITI, M. C., C. SACOOR, O. G. AGUOLU, A. ZELAYA, H. CHEN, S. S. KIM, N. CAVELE, E. JAMISSE, C. TCHAVANA, A. JOSE, I. MACICAME, O. JOAQUIM, N. AHMED, C. Y. LIU, I. YILDIRIM, K. NELSON, S. M. JENNESS, H. MALDONADO, M. KAZI, R. SRINIVASAN, V. R. MOHAN, A. MELEGARO, F. MALIK, A. BARDAJI, S. B. OMER, B. LOPMAN, "Social Contact Patterns in Rural and Urban Settings, Mozambique, 2021–2022", *Emerging Infectious Diseases*, 2025, vol. 31, no. 1, pp. 94-103

Are we ready for the next pandemic? Public preferences and trade-offs between vaccine characteristics and societal restrictions across 21 countries

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Public preferences for vaccination campaigns in the COVID-19 endemic phase: insights from the VaxPref database

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Comprehensive profiling of social mixing patterns in resource poor countries: A mixed methods research protocol

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A repeated cross-sectional analysis on the economic impact of SARS-CoV-2 pandemic at the hospital level in Italy

TRENTINI, F., O. CIANI, E. VANNI, S. GHISLANDI, A. TORBICA, E. AZZOLINI, A. MELEGARO, "A repeated cross-sectional analysis on the economic impact of SARS-CoV-2 pandemic at the hospital level in Italy", *Scientific Reports*, 2023, vol. 13, no. 1, pp. 12386

Using mortuary and burial data to place COVID-19 in Lusaka, Zambia within a global context

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Changing social contact patterns among US workers during the COVID-19 pandemic: April 2020 to December 2021

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Prioritizing COVID-19 vaccine allocation in resource poor settings: Towards an Artificial Intelligence-enabled and Geospatial-assisted decision support framework

SHAYEGH, S., J. ANDREU-PEREZ, C. AKOTH, X. BOSCH-CAPBLANCH, S. DASGUPTA, G. FALCHETTA, S. GREGSON, A. T. HAMMAD, M. HERRINGER, F. KAPKEA, A. LABELLA, L. LISCIOTTO, L. MARTÍNEZ, P. M. MACHARIA, P. MORALES-RUIZ, N. MURAGE, V. OFFEDDU, A. SOUTH, A. TORBICA, F. TRENTINI, A. MELEGARO, "Prioritizing COVID-19 vaccine allocation in resource poor settings: Towards an Artificial Intelligence-enabled and Geospatial-assisted decision support framework", *Plos One*, 2023, vol. 18, no. 8, pp. e0275037

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Pressure on the Health-Care System and Intensive Care Utilization During the COVID-19 Outbreak in the Lombardy Region of Italy: A Retrospective Observational Study in 43,538 Hospitalized Patients

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Investigating the relationship between interventions, contact patterns, and SARS-CoV-2 transmissibility

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Association of Age With Likelihood of Developing Symptoms and Critical Disease Among Close Contacts Exposed to Patients With Confirmed SARS-CoV-2 Infection in Italy

POLETTI, P., M. TIRANI, D. CEREDA, F. TRENTINI, G. GUZZETTA, V. MARZIANO, G. SABATINO, A. CASTROFINO, F. GROSSO, G. DEL CASTILLO, R. PICCARRETA, A. ANDREASSI, A. MELEGARO, M. GRAMEGNA, M. AJELLI, S. MERLER, ATS LOMBARDY COVID-19 TASK FORCE, "Association of Age With Likelihood of Developing Symptoms and Critical Disease Among Close Contacts Exposed to Patients With Confirmed SARS-CoV-2 Infection in Italy", *JAMA Network Open*, 2021, vol. 4, no. 3, pp. 1-10

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CEREDA, D., M. MANICA, M. TIRANI, F. ROVIDA, V. DEMICHELII, M. AJELLI, P. POLETTI, F. TRENTINI, G. GUZZETTA, V. MARZIANO, R. PICCARRETA, A. BARONE, M. MAGONI, S. DEANDREA, G. DIURNO, M. LOMBARDO, M. FACCINI, A. PAN, R. BRUNO, E. PARIANI, G. GRASSELLI, A. PIATTI, M. GRAMEGNA, F. BALDANTI, A. MELEGARO, S. MERLER, "The early phase of the COVID-19 epidemic in Lombardy, Italy", *Epidemics*, December 2021, vol. 37, pp. 100528

A quantitative assessment of epidemiological parameters required to investigate COVID-19 burden

ZARDINI, A., M. GALLI, M. TIRANI, D. CEREDA, M. MANICA, F. TRENTINI, G. GUZZETTA, V. MARZIANO, R. PICCARRETA, A. MELEGARO, M. AJELLI, P. POLETTI, S. MERLER, "A quantitative assessment of epidemiological parameters required to investigate COVID-19 burden", *Epidemics*, December 2021, vol. 37, pp. 100530

Rapid Review of Social Contact Patterns During the COVID-19 Pandemic

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Individual's daily behaviour and intergenerational mixing in different social contexts of Kenya

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Citizens from 13 countries share similar preferences for COVID-19 vaccine allocation priorities

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Modeling the interplay between demography, social contact patterns, and SARS-CoV-2 transmission in the South West Shewa Zone of Oromia Region, Ethiopia

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Social contact patterns among employees in 3 U.S. companies during early phases of the COVID-19 pandemic, April to June 2020

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MOUSA, A., P. WINSKILL, O. J. WATSON, O. RATMANN, M. MONOD, M. AJELLI, A. DIALLO, P. J. DODD, C. G. GRIJALVA, M. C. KITI, A. KRISHNAN, R. KUMAR, S. KUMAR, K. O. KWOK, C. F. LANATA, O. L. P. DE WAROUX, K. LEUNG, W. MAHIKUL, A. MELEGARO, C. D. MORROW, J. MOSSONG, E. F. NEAL, D. J. NOKES, W. PAN-NGUM, G. E. POTTER, F. M. RUSSELL, S. SAHA, J. D. SUGIMOTO, W. I. WEI, R. R. WOOD, J. WU, J. ZHANG, P. WALKER, C. WHITTAKER, "Social contact patterns and implications for infectious disease transmission – a systematic review and meta-analysis of contact surveys", *eLife*, November 2021, vol. 10, pp. e70294

Experimental evidence that changing beliefs about mask efficacy and social norms increase mask wearing for COVID-19 risk reduction: Results from the United States and Italy

BOKEMPER, S. E., M. CUCCINIELLO, T. ROTESI, P. PIN, A. A. MALIK, K. WILLEBRAND, E. E. PAINTSIL, S. B. OMER, G. A. HUBER, A. MELEGARO, "Experimental evidence that changing beliefs about mask efficacy and social norms increase mask wearing for COVID-19 risk reduction: Results from the United States and Italy", *Plos One*, 2021, vol. 16, no. 10, pp. e0258282

National interest may require distributing COVID-19 vaccines to other countries

ROTESI, T., P. PIN, M. CUCCINIELLO, A. A. MALIK, E. E. PAINTSIL, S. E. BOKEMPER, K. WILLEBRAND, G. A. HUBER, A. MELEGARO, S. B. OMER, "National interest may require distributing COVID-19 vaccines to other countries", *Scientific Reports*, 2021, vol. 11, pp. 18253

Age-specific SARS-CoV-2 infection fatality ratio and associated risk factors, Italy, February to April 2020

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GUZZETTA, G., P. POLETTI, M. AJELLI, F. TRENTINI, V. MARZIANO, D. CEREDA, M. TIRANI, G. DIURNO, A. BODINA, A. BARONE, L. CROTTOGINI, M. GRAMEGNA, A. MELEGARO, S. MERLER, "Potential short-term outcome of an uncontrolled COVID-19 epidemic in Lombardy, Italy, February to March 2020", *Eurosurveillance*, 2020, vol. 25, no. 12

Austerity, measles and mandatory vaccination: cross-regional analysis of vaccination in Italy 2000–14

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The introduction of 'No jab, No school' policy and the refinement of measles immunisation strategies in high-income countries

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Study design and protocol for investigating social network patterns in rural and urban schools and households in a coastal setting in Kenya using wearable proximity sensors

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The potential impact of the demographic transition in the Senegal-Gambia region of sub-Saharan Africa on the burden of infectious disease and its potential synergies with control programmes: the case of hepatitis B

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The impact of demographic changes, exogenous boosting and new vaccination policies on varicella and herpes zoster in Italy: a modelling and cost-effectiveness study

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The containment of potential outbreaks triggered by imported Chikungunya cases in Italy: a cost utility epidemiological assessment of vector control measures

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