

## Maarten van Wijhe

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## Projects

### Carlsberg PandemiX: A Quantitative study of historical and contemporary pandemics

Simonsen, L. (Project manager), Andreasen, V. (Project participant), Berrig, C. (Project participant), Wijhe, M. V. (Project participant), Qvesel, A. G. (Project participant), Thorn, A. V. (Project participant), Ørskov, S. (Project participant), Ingholt, M. M. (Project participant), Krogfelt, K. A. (Project participant), Nielsen, B. F. (Project participant), Poder, S. K. (Project participant), Mannov Christiansen, C. (Project participant), Pedersen, A. G. (Project participant), Sneppen, K. (Project participant), Fischer, T. K. (Project participant), Pedersen, R. K. (Project participant) & Eilersen, A. T. (Project participant)  
Carlsbergfondet  
01/04/2020 → 30/09/2024

### PandemiX: Center for the Interdisciplinary Study of Pandemic Signatures - PandemiX

Simonsen, L. (Project manager), Ingholt, M. M. (Project participant), Pedersen, R. K. (Project participant), Andreasen, V. (Project participant), Wijhe, M. V. (Project participant), Eilersen, A. T. (Project participant), Poder, S. K. (Project participant), Nielsen, B. F. (Project participant), Krogfelt, K. A. (Project participant), Ørskov, S. (Project participant), Berrig, C. (Project participant), Thorn, A. V. (Project participant), Qvesel, A. G. (Project participant), Sneppen, K. (Project participant), Pedersen, A. G. (Project participant), Fischer, T. K. (Project participant), Harboe, Z. B. (Project participant), Roed, C. (Project participant), Holler, J. G. (Project participant), Viboud, C. (Project participant), Lipsitch, M. (Project participant), Davenport, R. (Project participant) & Pedersen, C. W. (Project participant)  
Danmarks Grundforskningsfond  
01/06/2023 → 31/05/2029

### Long-term Impact of Childhood Vaccination Programs: Using Historical data to Understand Modern Disease Patterns

Simonsen, L. (Project manager), Andreasen, V. (Project participant), Wijhe, M. V. (Project participant), Ingholt, M. M. (Anden), Perner, M. (Project participant), Lykkeskov, C. R. (Project participant) & Wallinga, J. (Project participant)  
Independent Research Fund Denmark  
01/06/2018 → 30/06/2022

### NORDEMICS: Pathogens, Pandemics and the Development of Nordic Societies

Simonsen, L. (Project manager), Lummaa, V. (Project participant), Stenseth, N. C. (Project participant), Bengtsson, T. (Project participant), Andreasen, V. (Project participant), Quaranta, L. (Project participant), Castenbrandt, H. (Project participant), Schmid, B. (Project participant), Wijhe, M. V. (Project participant), Briga, M. (Project participant), Nitsch, A. (Project participant), Ingholt, M. M. (Project participant), Ukonaho, S. (Project participant), Poder, S. K. (Project participant), Sneppen, K. (Project participant), Vallgård, S. (Project participant), Pedersen, R. K. (Project participant) & Eilersen, A. T. (Project participant)  
Nordforsk  
01/05/2021 → 30/09/2025

### PID-scapes: Post-pandemic infectious disease landscapes: interactions across time and space

Wijhe, M. V. (Project manager)  
Independent Research Fund Denmark  
01/01/2025 → 31/12/2027

### RESCEU: RESCEU - REspiratory Syncytial virus Consortium in EUrope

Wijhe, M. V. (Project participant)  
01/01/2018 → 31/12/2020

### **GREATLEAP: The Great Leap. Multidisciplinary approaches to health inequalities, 1800-2022**

Janssens, A. (Project manager), Riswick, T. (Project coordinator), Wijhe, M. V. (Project participant), Gentiana, K. (Project coordinator), Pandelejmoni, E. (Project coordinator), Devos, I. (Project coordinator), Zajc Petranovic, M. (Project coordinator), Abuladze, L. (Project coordinator), Jaadla, H. (Project coordinator), Peltola, J. (Project coordinator), Saaritsa, S. (Project coordinator), Bonnet, F. (Project coordinator), Kesztenbaum, L. (Project coordinator), Muehlichen, M. (Project coordinator), Willführ, K. (Project coordinator), Baltas, P. (Project participant), Gavalas, V. (Project coordinator), Ori, P. (Project coordinator), Sigurdardottir, R. (Project coordinator), Breathnach, C. (Project coordinator), O'Mullane, M. (Project coordinator), Rashkovits, S. (Project coordinator), Vishkin, A. (Project coordinator), Pozzi, L. (Project coordinator), Scalone, F. (Project coordinator), Libiete, I. (Project coordinator), Zalnora, A. (Project coordinator), Spataru, T. (Project coordinator), Walhout, E. (Project coordinator), Tevdovski, D. (Project coordinator), Sari, E. (Project coordinator), Sommerseth, H. L. (Project coordinator), Liczbinska, G. (Project coordinator), Ogórek, B. (Project coordinator), Teodoro De Matos, P. (Project coordinator), Tiago De Oliveira, I. (Project coordinator), Holom, E. C. (Project coordinator), Marza, D. E. (Project participant), Bakic, D. (Project coordinator), Medarevic, A. (Project coordinator), Golian, J. (Project coordinator), Ramiro-Fariñas, D. (Project coordinator), Engberg, E. (Project coordinator), van Dijk, I. (Project coordinator), Floris, J. (Project coordinator), Staub, K. (Project coordinator), Balsoy, G. (Project coordinator), Guvenc, M. (Project coordinator), Gaddy, H. (Project coordinator) & Reid, A. (Project coordinator)  
19/09/2023 → 18/09/2027

### **The public health impact of vaccination programmes in the Netherlands. A historical analysis of mortality, morbidity, and costs**

Wijhe, M. V. (Project participant), Wallinga, J. (Project coordinator) & Postma, M. (Project coordinator)  
13/06/2013 → 14/09/2018

### **Understanding immunity against SARS-CoV-2 in the general population: a seroprevalence study**

Krogfelt, K. A. (Project manager), Wijhe, M. V. (Project participant), Fischer, T. K. (Project participant), Skov, R. L. (Project participant), Sørensen, K. M. (Project participant) & Simonsen, L. (Project participant)  
Lundbeck Foundation  
01/05/2020 → 31/12/2021

## **Education**

Epidemiology, PhD, The public health impact of vaccination programmes in the Netherlands, University of Groningen  
2013 → 2018

Award Date: 11 Sept 2018

Epidemiology, MSc, Masters in Biomedical Sciences, Epidemiology, Radboud University  
2010 → 2013

## **Press/Media (recent 5)**

### **Fremtidsministeriet Institut for Fremtidforskning: PandemiX m/ Maarten van Wijhe og Karen Angeliki Krogfelt**

Wijhe, M. V. & Krogfelt, K. A.

03/07/2024

1 Media contribution

### **Indsigt i historiske sygdomme hjælper planlægning af pandemiberedskab i dag**

Wijhe, M. V.

20/06/2024

1 item of Media coverage

### **Ældre og mænd blev hårdest ramt af første COVID-bølge**

Wijhe, M. V.

05/03/2021

1 item of Media coverage

### **Stort dansk studie: Ældre og mænd blev hårdest ramt af første COVID-19-bølge**

Wijhe, M. V.

04/03/2021

1 item of Media coverage

**CEA Global Voices Ep. 1: Epidemiologists Maarten van Wijhe and Catalina Gonzalez Uribe on the Historical Significance of COVID-19**

Wijhe, M. V.

14/04/2020

1 item of Media coverage

## Research outputs

**Genome-wide Association Study of Susceptibility to Respiratory Syncytial Virus Hospitalization in Young Children <5 Years of age**

Egeskov-Cavling, A. M., van Wijhe, M., Yakimov, V., Klint Johannesen, C., Pollard, A., Trebbien, R., Bybjerg-Grauholm, J. & Fischer, T. K., 15 Aug 2024, In: *Journal of Infectious Diseases*. 230, 2, p. e333-e341 jiad370.

**Risk of intensive care unit admission and mortality in patients hospitalized due to influenza A or B and SARS-CoV-2 variants Omicron or Delta**

the COVID-19 Omicron Delta study group collaborators, Jul 2024, In: *Immunity, Inflammation and Disease*. 12, 7, e1269.

**The 1919–21 influenza pandemic in Greenland**

Ingholt, M. M., Simonsen, L., Mamelund, S.-E., Noahsen, P. & van Wijhe, M., 6 Mar 2024, In: *International Journal of Circumpolar Health*. 83, 1, 12 p., 2325711.

**Regional differences in historical diphtheria and scarlet fever notification rates in the Netherlands, 1905-1925: a spatial-temporal analysis**

McDonald, S. A., van Wijhe, M., de Melker, H., van Meijeren, D. & Wallinga, J., 29 Nov 2023, In: *Royal Society Open Science*. 10, 11, 230966.

**Clinical progression, disease severity, and mortality among adults hospitalized with COVID-19 caused by the Omicron and Delta SARS-CoV-2 variants: A population-based, matched cohort study**

COVID-19 Omicron Delta study group, van Wijhe, M. (Member of author collaboration) & Simonsen, L. (Member of author collaboration), 27 Apr 2023, In: *PLOS ONE*. 18, 4, 15 p., e0282806.

**Cost-effectiveness of monoclonal antibody and maternal immunization against respiratory syncytial virus (RSV) in infants: Evaluation for six European countries**

Getaneh, A., Li, X., Mao, Z., Klint Johannesen, C., Barbieri, E., van Summeren, J., Wang, X., Tong, S., Baraldi, E., Phijffer, E., Rizzo, C., van Wijhe, M., Heikkinen, T., Bont, L., Willem, L., Jit, M., Beutels, P. & Bilcke, J., 24 Feb 2023, In: *Vaccine*. 41, 9, p. 1623-1631 9 p.

**Persistent Symptoms and Sequelae After Severe Acute Respiratory Syndrome Coronavirus 2 Infection Not Requiring Hospitalization: Results From Testing Denmark, a Danish Cross-sectional Survey**

van Wijhe, M., Fogh, K., Ethelberg, S., Iversen, K. K., Nielsen, H., Østergaard, L., Andersen, B., Bundgaard, H., Sværke Jørgensen, C., F. S. S. Scharff, B., Ellermann-Eriksen, S., S. Johansen, I., Fomsgaard, A., Krause, T. G., Wiese, L., K. Fischer, T., Mølbak, K., Benfield, T. L., Folke, F. & Lippert, F. & 9 others, Ostrowski, S. R., Koch, A., Erikstrup, C., Vangsted, A.-M., Sørensen, A. I. V., Ullum, H., Skov, R. L., Simonsen, L. & Nielsen, S. D., Jan 2023, In: *Open Forum Infectious Diseases*. 10, 1, 10 p., ofac679.

**The dynamics of scarlet fever in the Netherlands, 1906-1920: a historical analysis**

McDonald, S., van Wijhe, M., de Gier, B., Korthals Altes, H., Vlaminckx, B., Hahner, S. & Wallinga, J., 2 Nov 2022, In: *Royal Society Open Science*. 9, 11, 220030.

**Respiratory Syncytial Virus-Associated Hospital Admissions and Bed Days in Children <5 Years of Age in 7 European Countries**

Respiratory Syncytial Virus Consortium in Europe (RESCEU) Investigators, Wang, X., Li, Y., Vazquez Fernandez, L., Teirlinck, A. C., Lehtonen, T., van Wijhe, M., Stona, L., Bangert, M., Reeves, R. M., Bøås, H., van Boven, M., Heikkinen, T., Klint Johannesen, C., Baraldi, E., Donà, D., Tong, S., Campbell, H. & Simonsen, L. (Member of author collaboration), 12 Aug 2022, In: *The Journal of Infectious Diseases*. 226, 1, p. S22-S28

**Agricultural revolution, demographic change, or medical modernization? The disappearance of malaria from Denmark**  
Ingholt, M. M., Simonsen, L. & van Wijhe, M., 5 Aug 2022, (Submitted) In: *Social Science & Medicine*.

Age-Specific Estimates of Respiratory Syncytial Virus-Associated Hospitalizations in 6 European Countries: A Time Series Analysis

The RESCEU Investigators, Johannesen, C. K., van Wijhe, M., Tong, S., Fernández, L. V., Heikkinen, T., van Boven, M., Wang, X., Bøås, H., Li, Y., Campbell, H., Paget, J., Stona, L., Teirlinck, A., Lehtonen, T., Nohynek, H., Bangert, M. & Fischer, T. K., 1 Aug 2022, In: *Journal of Infectious Diseases*. 226, p. S29-S37

Time-Varying Association Between Severe Respiratory Syncytial Virus Infections and Subsequent Severe Asthma and Wheeze and Influences of Age at the Infection

The RESCEU Investigators, Wang, X., Li, Y., Nair, H. & Campbell, H., 1 Aug 2022, In: *Journal of Infectious Diseases*. 226, p. S38-S44

**Risk of hospitalisation associated with infection with SARS-CoV-2 omicron variant versus delta variant in Denmark: an observational cohort study**

Bager, P., Wohlfahrt, J., Bhatt, S., Stegger, M., Legarth, R., Møller, C. H., Skov, R. L., Valentiner-Branth, P., Voldstedlund, M., Fischer, T. K., Simonsen, L., Kirkby, N. S., Thomsen, M. K., Spiess, K., Marving, E., Larsen, N. B., Lillebaek, T., Ullum, H., Mølbak, K. & Krause, T. G. & 2 others, van Wijhe, M. (Member of author collaboration) & The Omicron-Delta study group, Jul 2022, In: *The Lancet Infectious Diseases*. 22, 7, p. 967-976 10 p.

**Public Preferences for Policies to Promote COVID-19 Vaccination Uptake: A Discrete Choice Experiment in The Netherlands**

Mouter, N., Boxebeld, S., Kessels, R., van Wijhe, M., de Wit, A., Lambooi, M. & van Exel, J., 5 May 2022, In: *Value in Health*. 25, 8, p. 1290-1297 8 p.

**A retrospective cohort study on infant respiratory tract infection hospitalizations and recurrent wheeze and asthma risk: impact of respiratory syncytial virus**

van Wijhe, M., Klint Johannesen, C., Simonsen, L., Jørgensen, I. M. & K. Fischer, T., 15 Apr 2022, In: *Journal of Infectious Diseases*. 226, S1, p. S55-S62

A Systematic Review of European Clinical Practice Guidelines for Respiratory Syncytial Virus Prophylaxis

Reeves, R. M., van Wijhe, M., Lehtonen, T., Stona, L., Teirlinck, A. C., Fernandez, L. V., Li, Y., Osei-Yeboah, R., K. Fischer, T., Heikkinen, T., Van Boven, M., Bøås, H., Donà, D., Barbieri, E. & Campbell, H., 25 Mar 2022, In: *Journal of Infectious Diseases*. 226, 1, p. S110-S116

**"Please, you go first!" preferences for a COVID-19 vaccine among adults in the Netherlands**

Mouter, N., de Ruijter, A., de Wit, G. A., Lambooi, M., van Wijhe, M., van Exel, J. & Kessels, R., Jan 2022, In: *Social Science & Medicine*. 292, 114626.

**Identification of risk factors associated with national transmission and late presentation of HIV-1, Denmark, 2009 to 2017**

van Wijhe, M., Fischer, T. K. & Fonager, J., 25 Nov 2021, In: *Eurosurveillance*. 26, 47

**First Wave of COVID-19 Hospital Admissions in Denmark: A Nationwide Population-Based Cohort Study**

Holler, J. G., Eriksson, R., Jensen, T. Ø., van Wijhe, M., Fischer, T. K., Søgaard, O. S., Istaelsen, S. B., Mohey, R., Fabricius, T., Jøhnk, F., Wiese, L., Johnsen, S., Søborg, C., Nielsen, H., Kirk, O., Madsen, B. L. & Harboe, Z. B., 9 Jan 2021, In: *BMC Infectious Diseases*. 21, 1, 39.

Estimating transmission parameters for respiratory syncytial virus and predicting the impact of maternal and pediatric vaccination

Van Boven, M., Teirlinck, A., Meijer, A., Hooiveld, M., Van Dorp, C. H., Reeves, R. M., Campbell, H., Van Der Hoek, W., Van Wijhe, M. (Member of author collaboration), Simonsen, L. (Member of author collaboration) & RESCEU Investigators, 2021, In: *Journal of Infectious Diseases*. 222, p. S688-S694

Respiratory Syncytial Virus-Associated Hospital Admissions in Children Younger Than 5 Years in 7 European Countries Using Routinely Collected Datasets

Reeves, R. M., van Wijhe, M., Tong, S., Lehtonen, T., Stona, L., Teirlinck, A. C., Fernandez, L. V., Li, Y., Gianquinto, C., Fischer, T. K., Demon, C., Heikkinen, T., Speltra, I., van Boven, M., Bøås, H., Campbelle, H. & RESCEU Investigators, 2020, In: *Journal of Infectious Diseases*. 222, 7, p. 599-605

#### **Integrated vaccine economics for countries transitioning from Gavi support**

van Wijhe, M. & Simonsen, L., 1 Dec 2019, In: *The Lancet Global Health*. 7, 12, p. E1591-E1592 2 p.

#### **Influenza in Greenland 1914 - 1921: Untold Stories and Diverging Patterns**

Ingholt, M. M., van Wijhe, M., Perner, M. L. & Simonsen, L., 31 Aug 2019.

#### **Loose Ends Surrounding the Spanish Flu: Explaining the Extreme Mortality in Young Adults**

van Wijhe, M., Ingholt, M. M., Andreasen, V. & Simonsen, L., 31 Aug 2019.

#### **Trends in governmental expenditure on vaccination programmes in the Netherlands, a historical analysis**

van Wijhe, M., de Boer, P., de Jong, H., van Vliet, H., Wallinga, J. & Postma, M., 13 Aug 2019, In: *Vaccine*. 37, 38, p. 5698-5707 10 p.

#### **Disease burden of varicella versus other vaccine-preventable diseases before introduction of vaccination into the National Immunisation Programme in the Netherlands**

van Lier, A., de Gier, B., McDonald, S. A., Mangen, M. J., Wijhe, M. V., Sanders, E. A. M., Kretzschmar, M. E., van Vliet, H. & De Melker, H. E., 2 May 2019, In: *Eurosurveillance*. 24, 18, 1800363.

#### **Are expensive vaccines the best investment in low-income and middle-income countries?**

Simonsen, L., van Wijhe, M. & Taylor, R. J., 1 May 2019, In: *The Lancet Global Health*. 7, 5, p. e548-e549

#### **Loose Ends in the Epidemiology of the 1918 Pandemic: Explaining the Extreme Mortality Risk in Young Adults**

Wijhe, M. V., Ingholt, M. M., Andreasen, V. & Simonsen, L., 6 Sept 2018, In: *American Journal of Epidemiology*. 187, 12, p. 2503–2510 8 p.

#### **Quantifying the impact of mass vaccination programmes on notified cases in the Netherlands**

Wijhe, M. V., Tulen, A. D., Korthals Altes, H., McDonald, S. A., De Melker, H. E., Postma, M. J. & Wallinga, J., 1 Apr 2018, In: *Epidemiology and Infection*. 146, 6, p. 716-722 7 p.

#### **Estimating the Population-Level Effectiveness of Vaccination Programs in the Netherlands**

Wijhe, M. V., McDonald, S. A., de Melker, H. E., Postma, M. J. & Wallinga, J., 1 Mar 2018, In: *Epidemiology*. 29, 2, p. 215-223 9 p.

#### **Years of life lost due to influenza-attributable mortality in older adults in the Netherlands: A competing-risks approach**

McDonald, S. A., Wijhe, M. V., Van Asten, L., Van Der Hoek, W. & Wallinga, J., 6 Feb 2018, In: *American Journal of Epidemiology*. 187, 8, p. 1791-1798 8 p.

#### **Vaccinatieprogramma's in Nederland: Impact op het aantal ziektegevallen**

Tulen, A. D., Wijhe, M. V., Korthals Altes, H., McDonald, S. A., de Melker, H. E., Postma, M. J. & Wallinga, J., 2018, In: *Nederlands tijdschrift voor geneeskunde*. 162, 41, D2983.

#### **Effect of vaccination programmes on mortality burden among children and young adults in the Netherlands during the 20th century: a historical analysis.**

Wijhe, M. V., McDonald, S. A., de Melker, H. E., Postma, M. J. & Wallinga, J., 2016, In: *The Lancet Infectious Diseases*. 16, 5, p. 592-598 7 p.