

# COVID-19 Research within APH



Dr. Dionne Kringos, APH Vice-Director  
CaRe Online Symposium, 2 June 2020

<https://www.amsterdamresearch.org/web/public-health/about/aph-covid-19-initiatives.htm>

# APH's role in times of the COVID-19 pandemic

- COVID-19 is directly threatening population health and putting health care resources under pressure
- Impact is disruptive, takes place in all societal domains lasting for years
- Research is needed on long-term consequences of the crisis and on lessons for future outbreaks

*APH aims to contribute to asking and addressing pertinent questions about the pandemic and its countermeasures, to support development and evaluation of innovative solutions and strategies, and to contribute to the resilience of individuals and health systems.*





# APH Strategy 2020-2023

- To translate and implement our scientific knowledge into local practice and society
- We focus on responsive health care in this pandemic from a societal perspective, using multidisciplinary approaches
- The many cohort studies in APH cover populations across the whole lifespan as well as new and vulnerable groups and will be of great value in this effort

# APH webinar on cohorts/ registries & COVID-19

**May 28, 15.00 - 16.00**

This webinar is organized by Amsterdam Public Health research institute and is hosted by Brenda Penninx. A webinar on how the unique data in our cohorts can provide answers to COVID-19 related questions and challenges. The added value of cohorts in times of COVID-19 will be showcased.



**Hosted by:**  
Brenda Penninx, Professor,  
Dept. of Psychiatry,  
Amsterdam UMC - location VUmc

## Topics & speakers



### **Prediction of hospitalization due to COVID-19 in the Netherlands**

Ron Herings, Professor of  
Pharmacoepidemiology & Health  
Care Optimization  
Dept. of Epidemiology & Biostatistics  
Amsterdam UMC - location VUmc



### **Sex and gender issues and the pandemic**

Petra Verdonk, Associate Professor,  
Dept. Medical Humanities,  
Amsterdam UMC - location VUmc



### **The COVID-19 pandemic, mental health, and well-being in the Netherlands Twin Register database**

Meike Bartels, Professor in Genetics  
and Wellbeing, Dept. of Biological  
Psychology, VU Amsterdam



### **The impact of COVID-19 pandemic on ethnic minority and migrant populations**

Charles Agyemang, Professor of  
Global Migration, Ethnicity & Health,  
Dept. of Public Health,  
Amsterdam UMC - location AMC

This event will be held in Microsoft teams. An Outlook invitation with a link to this webinar will be sent to all registered attendees, 2 days prior to the event.  
For more information please contact [aph@amsterdamumc.nl](mailto:aph@amsterdamumc.nl)

**APH Research  
& Covid-19**



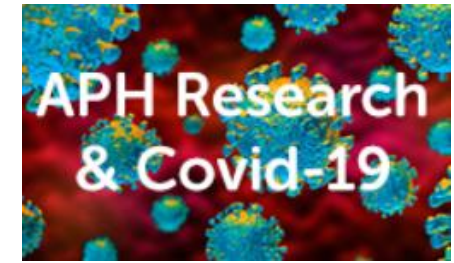


# APH Strategy 2020-2023

- To translate and implement our scientific knowledge into local practice and society
- We focus on responsive health care in this pandemic from a societal perspective, using multidisciplinary approaches
- The many cohort studies in APH cover populations across the whole lifespan as well as new and vulnerable groups and will be of great value in this effort
- Longstanding collaborations with societal partners support relevance and implementation of our research findings
- Our core values provide a firm basis for joining the worldwide effort to step up to the COVID-19 pandemic, including:
  - Personal engagement in advancing the health of all citizens
  - Excellence, openness, and integrity
  - Clinical and societal relevance
  - Dependable partner

# APH COVID-19 initiatives



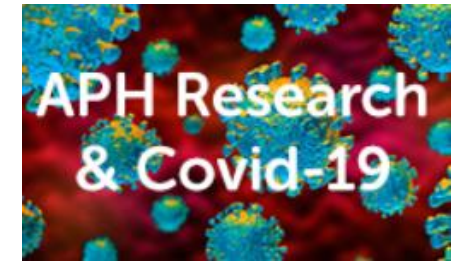


# ***Health Behavior & Chronic Disease***

- Health & safety in sports - **does Corona affect your exercise?** (*Evert Verhagen*)
- Support of healthy movement behavior of children during the COVID-19 crisis (*Sanne Veldman*)

## ***Mental Health***

- FindMyApps project helps vulnerable elderly people use technological solutions in order to overcome social isolation (*David Neal*)
- New study on the influence of **COVID-19** on psychological factors as **depression and anxiety** (*Brenda Penninx*)
- **COMET - COVID MEnTal Health Survey - Mental health effects of the COVID-19 outbreak - a longitudinal international comparison** (*Martina Patanè*)



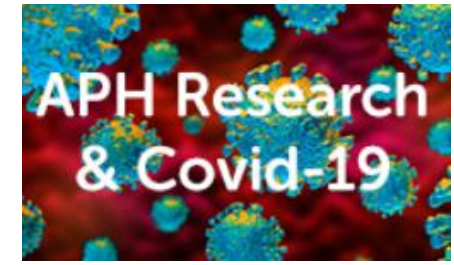
## ***Mental Health (cont.)***

- Study on the impact of COVID-19 and social isolation on mental health in **older adults with bipolar disorder** (*Melis Orhan*)
- The effects of COVID-19 restrictions on mental health in a **child and adolescent psychiatric population** (*Tinca Polderman*)
- Coordinating, collecting and clarifying evidence-related issues for **long-term care of people with intellectual disability** (*Carlo Schuengel*)
- Weekly updates on mental health in Corona-time by Thrive Amsterdam

## ***Societal Participation***

- Prospective cohort study in **rheumatic patients** (*Femke Hooijberg*)



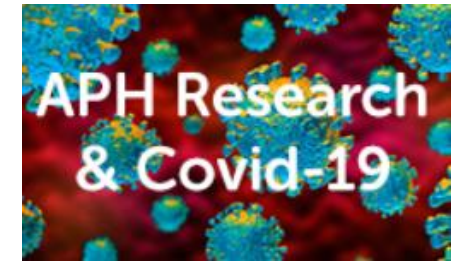


## ***Global Health***

- **Rapid knowledge appraisal methods and webinars for guidance developers** (*Teun Zuiderent-Jerak*)
- **COVID-19 and students' health** (*Elena Syurina*)
- **COVID-19 website by the Athena institute: transdisciplinary responses to a global crisis**

## ***Aging & Later Life***

- **Registration COVID-19 in Ysis (Electronic Health Record geriatric care)** (*Cees Hertogh*)
- **COVID-19 among elderly** (*Bianca Buurman*)
- **AGEhiV cohort study expanded their research to map how COVID-19 progresses in people with HIV compared to HIV-negative controls** (*Peter Reiss*)



# *Quality of Care*

- RIVM Behavioral research about **preventive behavior and well-being** of the Dutch population during the Corona crisis (*Danielle Timmerman*)
- RIVM research: How does the population of the Netherlands **experience** the Corona crisis? (*Danielle Timmermans*)
- The AMC Health Systems and Services Research Group supports parties involved in the crisis by offering **analytical support** (*Dionne Kringos*)
- Research **ethical questions** regarding COVID-19 and **fast-data sharing** (*Bert Molewijk*)
- **Online international reporting register**: Epidemiology of Coronavirus under research exclusion - atopic dermatitis (SECURE-AD) register (*Angela Bosma*)
- Research on the **well-being of medical residents** and how to support them during the COVID-19 pandemic (*Hannah den Boon*)
- Home-testing of speech recognition in **hearing impaired people** with a cochlear implant (*Cas Smits*)
- Development of recommendations for **difficult consultations via the telephone or video-consultations** (*Ellen Smets*)



# *Personalized Medicine*

- Weekly newsletter - Gender in Times of Corona - Knowledge, thoughts and reflections about the relationship between **sex/gender and COVID-19** (*Petra Verdonk*)
- ZonMw-grant for a project called '**Impact of Social Isolation on Vulnerable Populations during COVID-19**' (*Jeannette Pols*)
- The project '**Negotiating Health**' is expanded with an additional ZonMw-grant (*Petra Verdonk*)
- Psychosocial effect of Corona measures in people living with **cognitive impairment and their caregivers** (*Ingrid van Maurik*)
- **Reuse of FFP2 masks** using an autoclave in the general practice office (*Ralf Harskamp*)
- **Validation of the Roth Score test in hypoxia** among patients with possible COVID-19 infection in a pre-hospital setting (*Ralf Harskamp*)
- **Netherlands Twin Register** participates in the Netherlands Longitudinal Cohorts COVID-19 Research Project (*Eco de Geus*)



# *Methodology*

- Department of Medical Informatics expands **NICE registry** to collect data of COVID-19 patients (*Martijn Schut*)

More to come



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