lifelines

Longitudinal collection of COVID-19 related data

At the very beginning of the COVID-19 pandemic in the Netherlands, a largescale study into the risk factors of the novel coronavirus started in the Northern Netherlands. Since then, 135,000 Lifelines participants receive (bi-) weekly, extensive questionnaires about their health, wellbeing and lifestyle. The collected COVID-19 questionnaire data is linked to the previously collected longitudinal data from the Lifelines biobank. Lifelines encourages researchers worldwide to use these data to gain insight into the risk factors, spreading and (longterm) consequences of the coronavirus. Click here for the COVID-19 cohort papers? This unique dataset enables researchers to study in detail the relationship between COVID-19 risk factors and physical and mental consequences of a pandemic. Prof. dr. Jochen Mierau professor Public Health Economics, University Groningen

135,000 participants

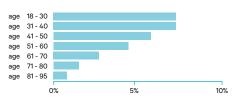
12 questionnaires between march and september 2020

36% average response rate

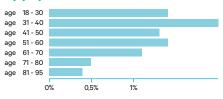
14% completed all questionnaires (19,239) 31% completed 4 or more questionnaires (42,812)

Prevalence COVID-19

Self-diagnosed: 6,2% (n=4,300)



Positive test or diagnosed by physician: 1.4% (n=1,036)



Positive test result and diagnosed by physician by gender



This factsheet is based on data from the first 9 questionnaires.

More results can be found at coronabarometer.nl

Contact us www.lifelines.nl/research +(0)50 – 361 58 03 research@lifelines.nl

COVID-19 questionnaire content

Risk factors

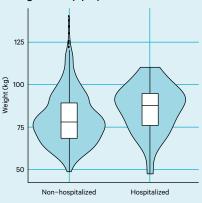
- General health
- Chronic disease status
- Medication use
- Medical history
- Lifestyle

Impact

- Social demographics
- Mental health and well-being
- Quality of life
- Employment situation
- Income

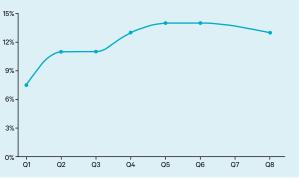
BMI

Weight of participants with postive test or diagosed by physician



Job loss

Percentage of unemployed participants that indicate to have lost their job as a result of the COVID-19. *Average unemployment rate of 4.8%*



This study is a joint initiative









lifelines

unique data- and biobank for health research

Lifelines is a large population-based cohort and biobank which started in 2006 with 167,000 inhabitants of the northern part of the Netherlands. Our aim is to enable research to better prevent, predict, diagnose and treat diseases. For this purpose participants are being followed for 30 years and surveyed every 5 years. We collect data through questionnaires and measurements on a wide range of topics such as lifestyle, environment, multi-omics, and medical history. In addition, Lifelines offers research opportunities through:

- A versatile collection of over 8 million samples
- Record linkage with other registries

Timeline

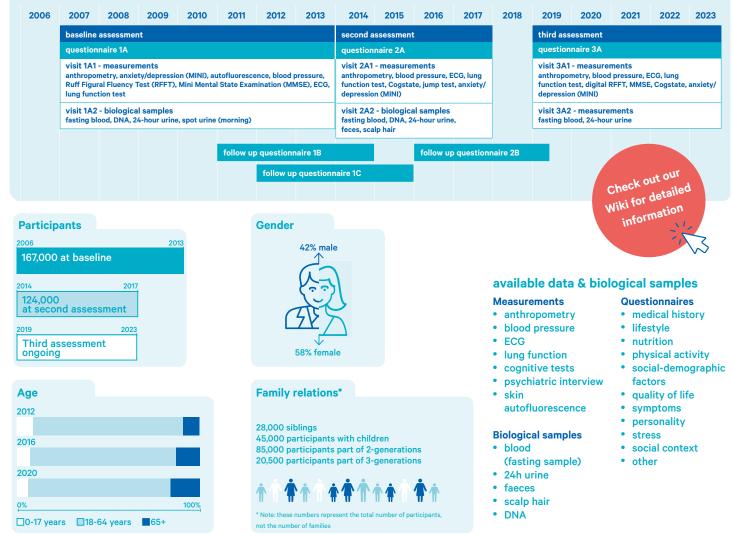
• Re-invitation of specified subsets of participants







Three generations



lifelines⊚ COVID-19 study

Are you interested in the possibilities Lifelines has to offer for research or policy development? Please check our website www.lifelines.nl or contact us directly: research@lifelines.nl