Nivel research related to COVID-19 pandemic

For more information contact:
Dr. Mariette Hooiveld, senior researcher surveillance: m.hooiveld@nivel.nl
Prof.dr. Cordula Wagner, director general programme: c.wagner@nivel.nl
3 pillars of Nivel research programme

• Monitoring and surveillance of COVID-19 related complaints of patients
  • Large infrastructure of GP practices, out-of-hours service, nursing homes
  • Weekly factsheet with up-to-date numbers

• Impact on citizens of COVID-19 pandemic and regulations by the government
  • Specific focus on vulnerable people
  • Panels of consumers, people with chronic diseases, people with disabilities

• Resilience of health care professionals and their organisations in primary care
  • Registrations of professionals: GPs, midwives, POH’s
Examples of research projects of pillar 2 and 3

2) Impact of pandemic on citizens: before – after studies, in depth interviews

- Experience of citizens (N=12,000)
  - Acceptance of regulations, needs for support, social distancing

- Experience of informal care givers of people with disabilities
  - Impact of social distancing

- Chronic diseases & COVID-19
  - Impact on health, QoL, use of e-Health, information needs

- Monitoring impact on informal care givers of people with dementia

3) Resilience of health care professionals & organisations: survey research & interviews

- Organisational changes in GP practices
  - COVID-locations

- Follow up on e-health implementation
  - Video consultations

- Resilient behaviour of GPs
  - Prevent stress, fear for contamination

- Regional collaboration and the perspective of managers/board
Nivel Primary Care Database

- 246 physiotherapists
- 140 dieticians
- 118 speech therapists
- 270 exercise therapists
- 530 general practitioners
- 28 out-of-hours primary care centres
530 general practices (1.9 million enlisted persons = 11%) annual extraction of data from electronic medical records

350 for weekly surveillance (1.3 million persons = 8%) weekly data from electronic medical records

40 sentinel practices (130,000 enlisted persons = 0.8%) i.a resp. surveillance with swabbing for influenza and SARS-CoV-2
Clinically confirmed and Suspected COVID-19

- Diagnosis of COVID-19 related ICPC codes PLUS screening of episode title/text
- Extrapolation to estimate the total numbers in the Netherlands

Clinically confirmed COVID-19

Suspected COVID-19
Distribution by age and sex

By urbanisation level
More information on www.nivel.nl

On the website you’ll find:
• Short descriptions of projects and results
• Short films on youtube in Dutch

• https://www.nivel.nl/nl/pijler-1-cijfers-covid-19
• https://www.nivel.nl/nl/pijler-2-impact-corona-op-de-bevolking
• https://www.nivel.nl/nl/pijler-3-innovatieve