

# **Mental health problems among workers with and without physical illness, before and during the COVID-19 pandemic**

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# Data extracted from the LISS panel (1)



- Online panel (N~ 6,500) since 2007 with online interviews as method
- Based on traditional probability sample drawn by Statistics Netherlands
- Includes households without Internet access: equipment provided (SimPC)

# Data extracted from the LISS panel (2)



- High response rates (> 80%)
- Open access (data and questionnaires, in English)  
<https://www.dataarchive.lissdata.nl/>
- Set-up granted by Dutch Research Council (NWO)



## Waves and data:

### Three waves:

- T1: Nov 2019 (yearly core study, module 'Health')
- T2: March 2020 (longitudinal 'VICTIMS study')
- T3: June 2020 (Longitudinal Effects of the Outbreak of Covid-19 survey)

### Variables

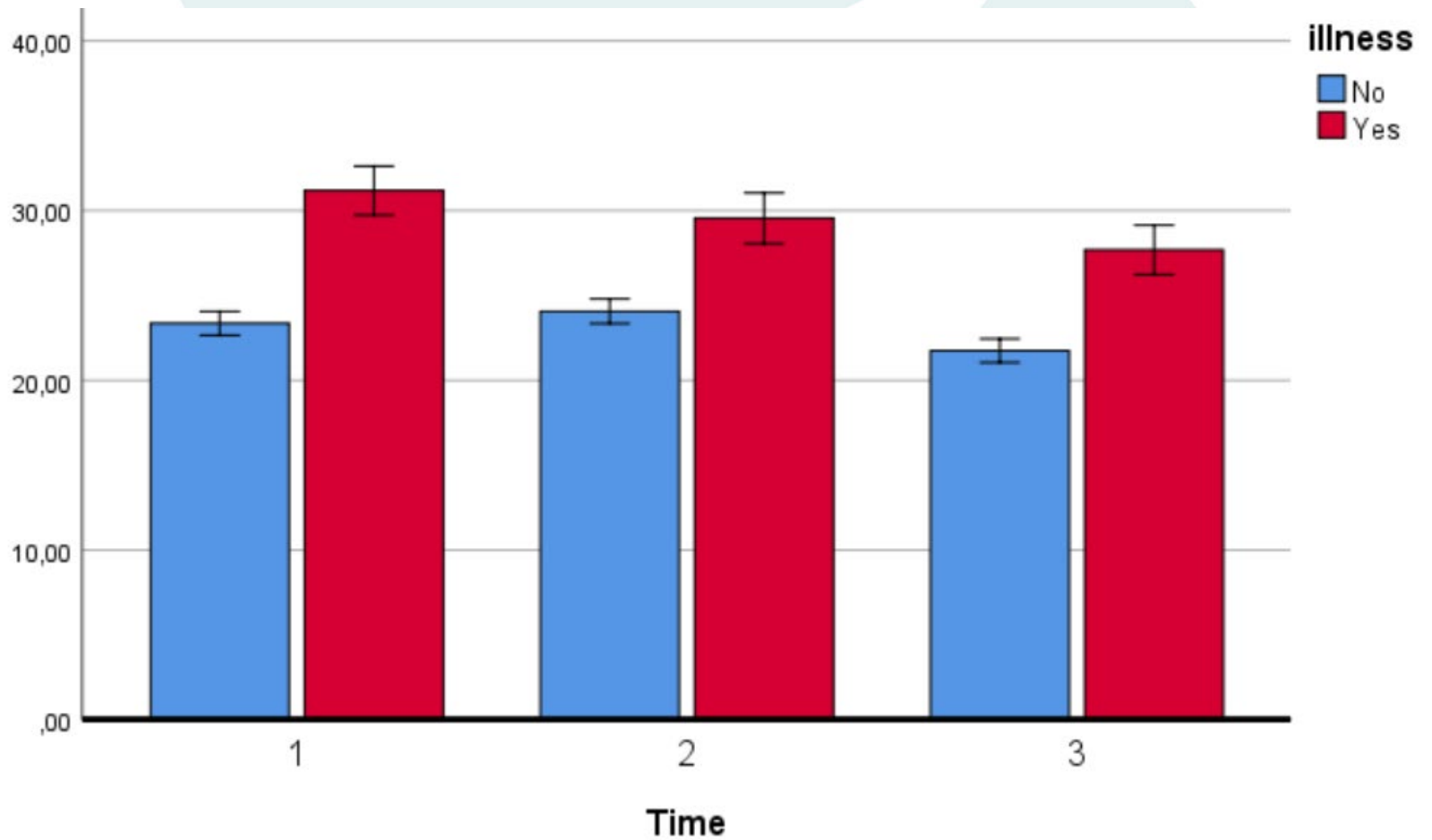
- T1-T3: Anxiety and depression symptoms (MHI-5)
- T1: Employment status
- T1: Heart and lung problems, and diabetes
- T1: Age, sex, education level, ethnicity, marital status



# Study sample

- 4,084 panel members participated at Nov 2019 (T1), March 2020 (T2), and June 2020 (T3)
- Data was weighted for Dutch adult population (2019)
- 1,789 respondents were employed at T1
- 398 suffered from heart problems, lung problems, and/or diabetes

# Main outcomes (GLM)



## Preliminary outcomes among employed respondents

- Having illness is associated with higher symptom levels among employed respondents
- Significant interaction effect time\*illness
- Decrease in anxiety and depression symptom levels among employed respondents with illness
- No change in anxiety and depression symptom levels among employed respondents without illness



## Involved researchers

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