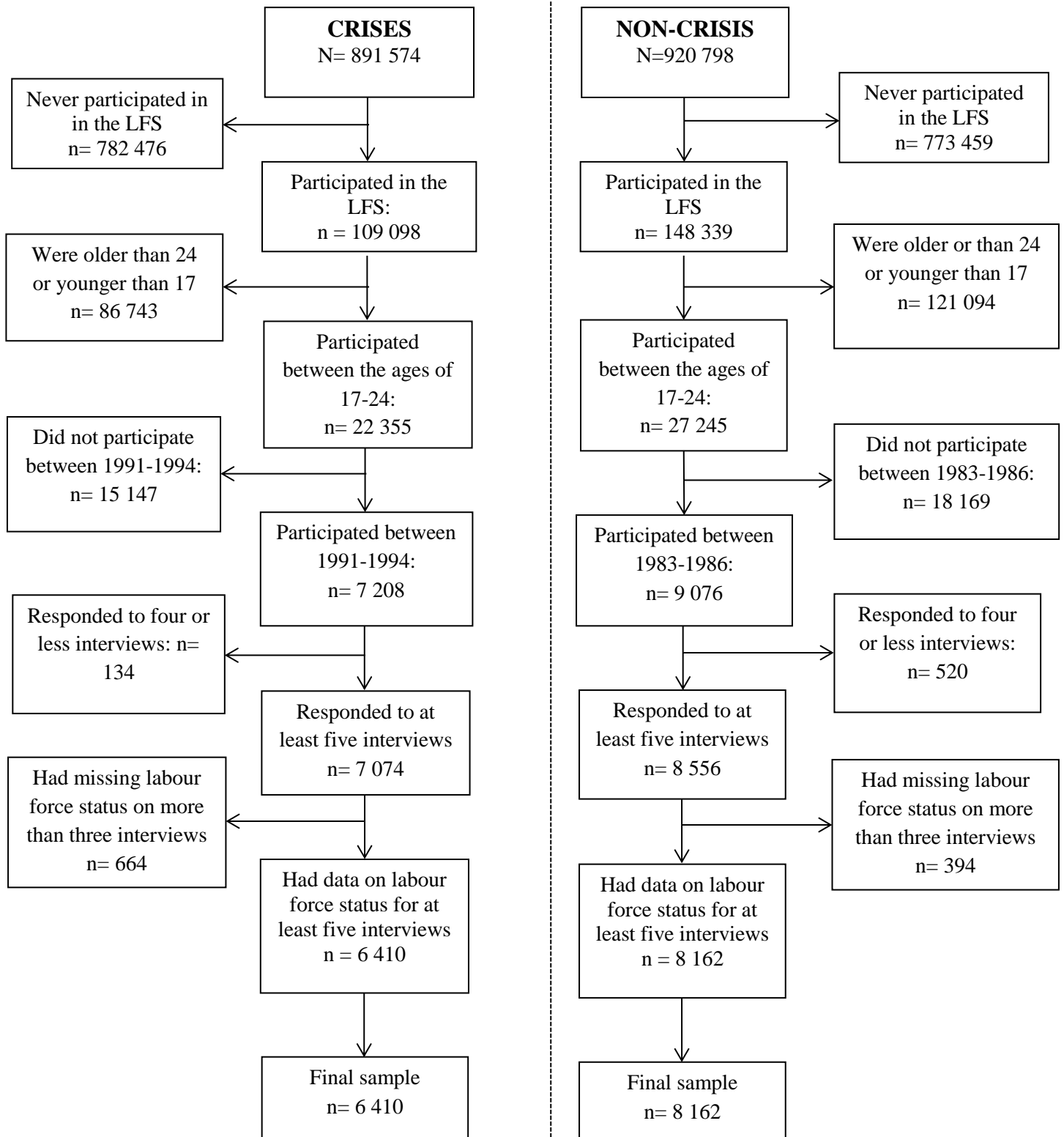


Supplementary fig 1. Flow chart describing the inclusion criteria of the participants



Supplementary Table 1. Sensitivity analysis excluding individuals with prior mental health problems (n=238), crude and adjusted hazard ratios (HRs) with 95% confidence intervals (CIs) for the associations between labour force status and mental diagnosis, stratified by cohort.

Cohort	Crude HR (95% CI)	Model 1 HR adjusted (95% CI)	Model 2 HR adjusted (95% CI)	Model 3 HR adjusted (95% CI)	Number of individuals with mental health diagnosis/number of individuals (%)
<b>Crisis</b>					
Full-time worker (ref)	1.0	1.0	1.0	1.0	45/1683 (2.7)
Unemployed					
Less than 3 months	1.68 (1.13-2.50)	1.75 (1.16-2.63)	1.76 (1.17-2.65)	1.76 (1.17-2.65)	53/1200 (4.4)
3-6 months	2.47 (1.60-3.81)	2.58 (1.66-4.00)	2.54 (1.63-2.65)	2.54 (1.64-3.95)	38/588 (6.5)
More than 6 months	3.14 (1.96-5.04)	3.35 (2.08-5.41)	3.16 (1.96-5.10)	3.09 (1.91-5.00)	28/343 (8.2)
Economically inactive	0.92 (0.59-1.45)	0.94 (0.59-1.50)	1.00 (0.62-1.60)	1.02 (0.64-1.64)	33/1385 (2.4)
Unstable labour force status	1.21 (0.77-1.87)	1.17 (0.74-1.84)	1.19 (0.75-1.87)	1.19 (0.75-1.88)	35/1112 (3.2)
<b>Non-crisis</b>					
Full-time worker (ref)	1.0	1.0	1.0	1.0	89/3403 (2.6)
Unemployed					
Less than 3 months	1.92 (1.38-2.66)	1.90 (1.36-2.65)	1.87 (1.34-2.61)	1.84 (1.32-2.58)	59/1205 (4.9)
3-6 months	3.14 (2.05-4.79)	3.06 (2.00-4.69)	2.99 (1.95-4.58)	2.91 (1.90-4.46)	28/351 (8.0)
More than 6 months	3.80 (2.20-6.56)	3.67 (2.12-6.36)	3.46 (1.99-6.01)	3.37 (1.94-5.87)	15/158 (9.5)
Economically inactive	1.07 (0.72-1.57)	1.08 (0.72-1.60)	1.11 (0.74-1.66)	1.12 (0.74-1.67)	36/1329 (2.7)
Unstable labour force status	1.20 (0.85-1.71)	1.24 (0.87-1.78)	1.26 (0.88-1.82)	1.25 (0.87-1.79)	49/1577 (3.1)

HR, hazard ratio; CI, 95% confidence interval

Crude analysis: unadjusted model

Model 1: adjusted for sex, age and country of birth

Model 2: additional adjustments for parental SEI and parental education

Model 3: additional adjustments for parents' mental health