cumulative COVID-19 positive cases % Unemployment Av. Taxable Base Income % Small House (Intercept) (Alternative) (10k euro) (<=90sq.m)2.5 10000 2.0 1e+14 2.0 1e+07 100 1.5 1e+00 1.0 t model odds ratio CI (logged scale) 1e-07 0.7 1.0 % Age 65+ % Immigrants out of EU Death rate in 2018 % University degree 1e+17 1e+09 1e+50 1e+08 1e-06 1e+32 Hurdle component with 90% and 95% 1e-01 1e+07 1e-21 1e+14 1e-07 1e-10 1e-36 1e-04 APr O1 Mar 15 APr 15 Population (Log) Pop. Density (Log) Av. N in Household 2.0 30 2.0 10 1.0 3 1.0 0.5 0.7 May 15 Apr 15 Apr 15 API 15 May O1 May on APr O1 May May 15 Date

Association between municipality characteristics and

Models estimated daily by hurdle model with logit for hurdle component and negative binomial regression for positive count.

Predictors' scales are standardized: odds/incidence-rate ratios correspond to 1 SD increase in each predictor.

Includes cases recored by 2020/05/14 (N=923 in each model).