

# COVID-19 in unequally ageing European regions

NUTS-3 regions of Europe are colored according to the deviation from European pooled estimate of the proportion of population at risk of death due to COVID-19. These estimates assume age-specific case-fatality ratio the same as in Italy for the 2003 first registered COVID-19 deaths (17 March 2019) and 2/3 of the total population infected. Such an estimate for the total European population is 1.77%. Please note, this estimate is very rough and unlikely to hold true due to multiple biases of the data for the unfolding pandemic; in contrast, the population age structures data are of good quality. Thus, whatever the total infected population is and the absolute values of age-specific case-fatality ratios, the relative differences between regions would hold as long as the age-specific profile of case-fatality ratios stays proportional. This map reflects the unequal population age structures rather than the precise figures on COVID-19 fatality. It's a demographic perspective.

