

LES LUNDIS DE L'INED/INED-CAMPUS CONDORCET



Lundi 03 octobre 2022, 11h30-12h30, en hybride, salle Sauvy au rez-de-chaussée (à l'Ined)

Séance : Service des Éditions-Prix Jeune auteur.e 2022 de la revue *Population*



Estimating excess mortality in French and Spanish regions during the first wave of the COVID-19 pandemic: An application of the later/earlier method

REMISE DU PRIX JEUNE AUTEUR.E 2022 DE LA REVUE POPULATION AUX LAUREATES : Ainhoa Elena LEGER et Silvia RIZZI.

Ainhoa Elena LEGER et Silvia RIZZI (Interdisciplinary Centre on Population Dynamics de l'Université du Danemark du Sud)

Estimates of excess deaths have been widely used to measure the overall impact of the COVID-19 pandemic on mortality. We investigate the validity of a new method—the later/earlier method—developed for forecasting the number of deaths one would expect if no shock occurs. We apply this method to estimate excess mortality during the first COVID-19 wave in France and Spain, stratified by age, sex, and region. Although both countries reported similar numbers of confirmed COVID-19 deaths, Spain recorded a higher excess death risk. The results confirm differences in COVID-19 vulnerability for population subgroups and spatial areas: adults aged 75–85 were the hardest hit; Île-de-France in France and Comunidad de Madrid in Spain registered the highest excess mortality. Applicable to other demographic phenomena, the later/earlier method is simple, requires fewer assumptions than other forecasting methods, and is less biased and more accurate than the 5-year average method.



Discutant-e : à venir

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