

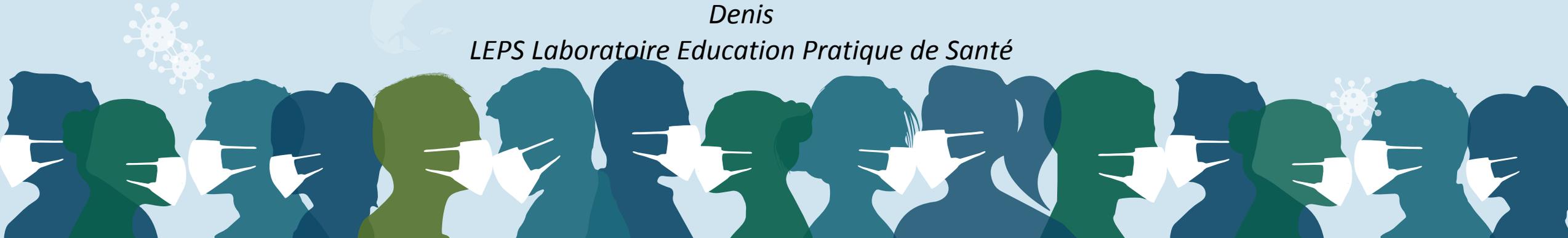


Covid-19, une épidémie sociale ?

Précarité, Migrants, Ethnicité et Covid-19

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LEPS Laboratoire Education Pratique de Santé





*COVID 19 :
Pandémie ou
Syndémie ?*

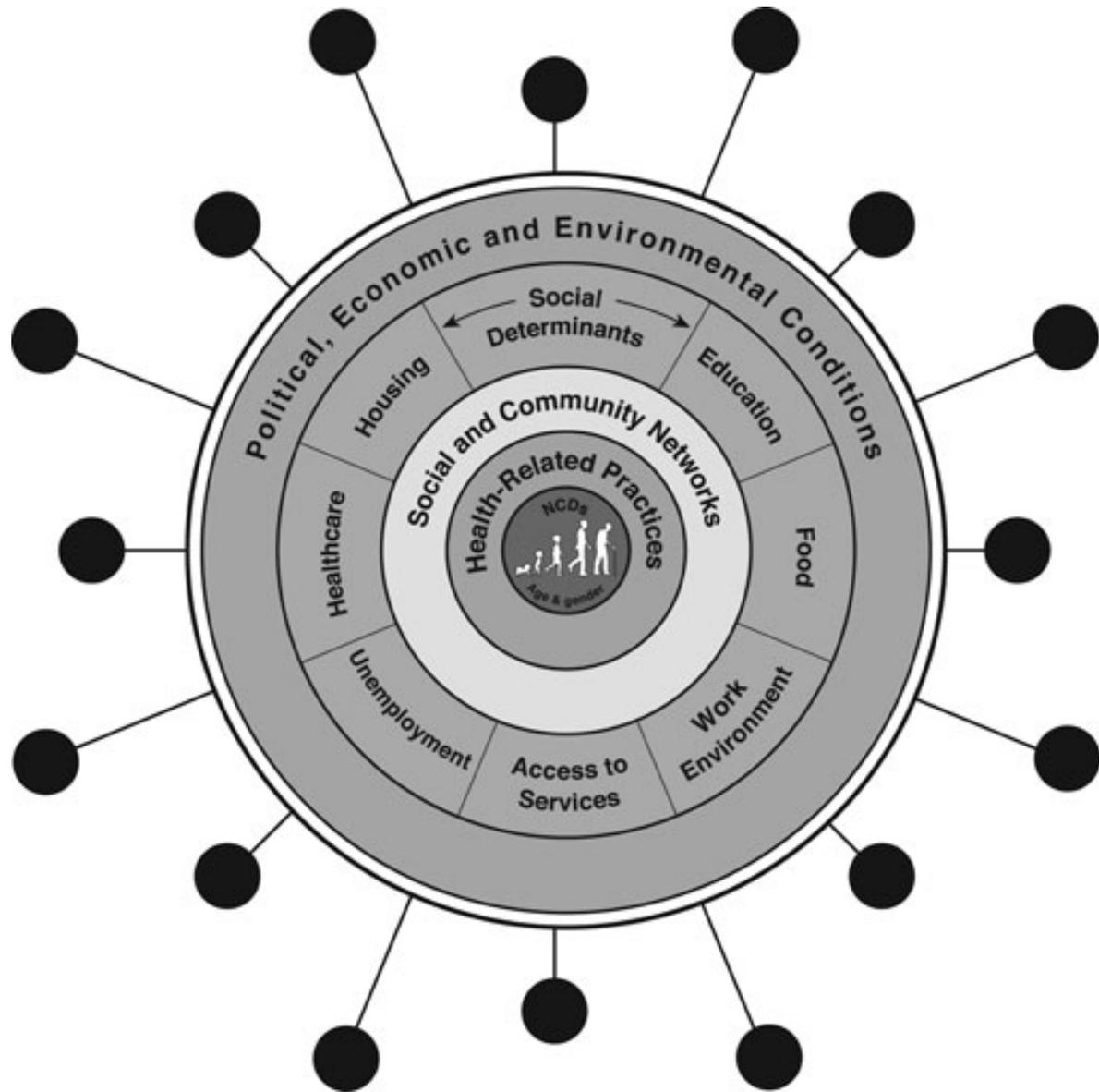
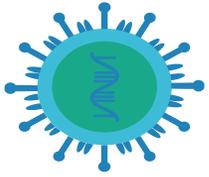


Figure 1 The syndemic of COVID-19, non-communicable diseases (NCDs) and the social determinants of health (adapted from Singer²³ and Dahlgren and Whitehead²⁵).

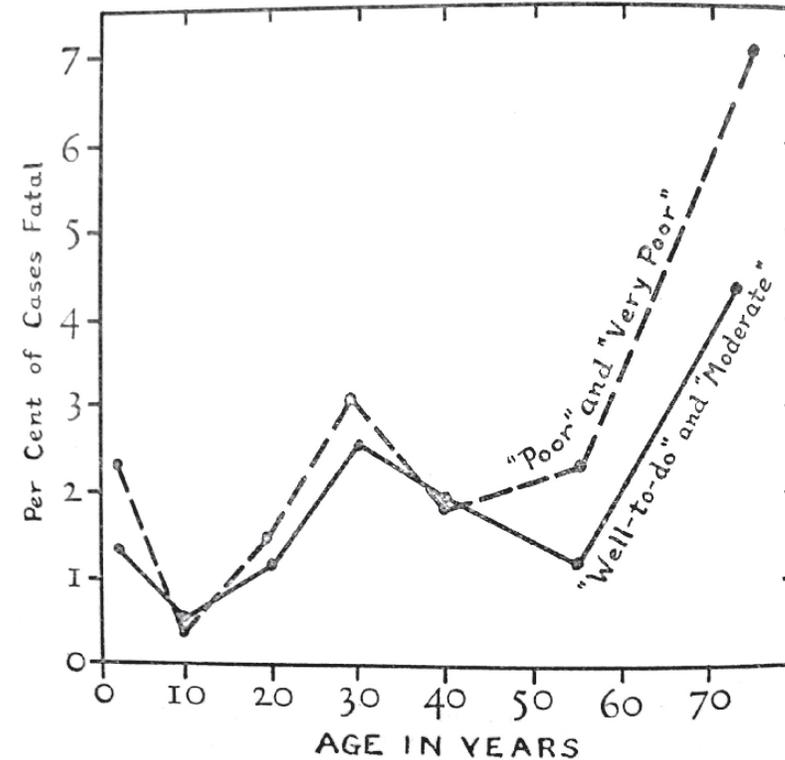


La Grippe espagnole

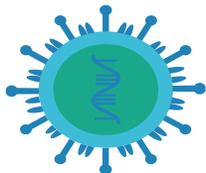
EDGAR SYDENSTRICKER.
"CONFUCIUS."
Born July 15, 1881, at Shanghai, China; M.B.A., A.B., Fredericksburg College, 1900; Washington and Lee University, 1900-02; Associate Editor *Southern College*, 1900-02; President Celebration Washington Literary Society, 1902; Editor-in-Chief *Ring-Tum-Plo*, 1902; Class Editor *CALYX*, 1902; Final Orator, 1902. Candidate for M. A.; expects to teach.



Economic status of household	Rate per 100 cases (adjusted for age) ¹
Well-to-do.....	1.5
Moderate.....	1.5
Poor.....	1.7
Very poor.....	2.8



The incidence of influenza among persons of different economic status during the epidemic of 1918. 1931. Edgar Sydenstricker (1881–1936)



H1 N1

Int J Public Health (2012) 57:745–750
DOI 10.1007/s00038-012-0337-1

ORIGINAL ARTICLE

Socio-economic disparities in mortality due to pandemic influenza in England

Paul D. Rutter · Oliver T. Mytton ·

Table 1 Age and sex-standardised mortality rates due to pandemic (H1N1) 2009 influenza in England (1 June 2009–18 April 2010) by quintile of deprivation, analysed at the super output area level

Quintile	Population (thousands)	Deaths	Mortality rate (95% CI) (deaths per million people)	RR (95% CI)
5 (least deprived)	10,289	42	3.9 (2.8–5.2)	1
4	10,289	56	5.3 (4.0–6.9)	1.4 (0.9–2.1)
3	10,289	53	5.1 (3.8–6.7)	1.3 (0.9–2.0)
2	10,289	80	7.8 (6.2–9.7)	2.0 (1.4–3.0)
1 (most deprived)	10,289	118	12.0 (9.9–14.4)	3.1 (2.2–4.4)

Standardised to mid-year 2009 population estimates for England (Office for National Statistics [2009](#))



*COVID 19 et
Précarité Sociale*

Measuring geographical disparities in England at the time of COVID 19

: Results using a composite indicator of population vulnerability.

NICODEMO, BMJ, 2020.

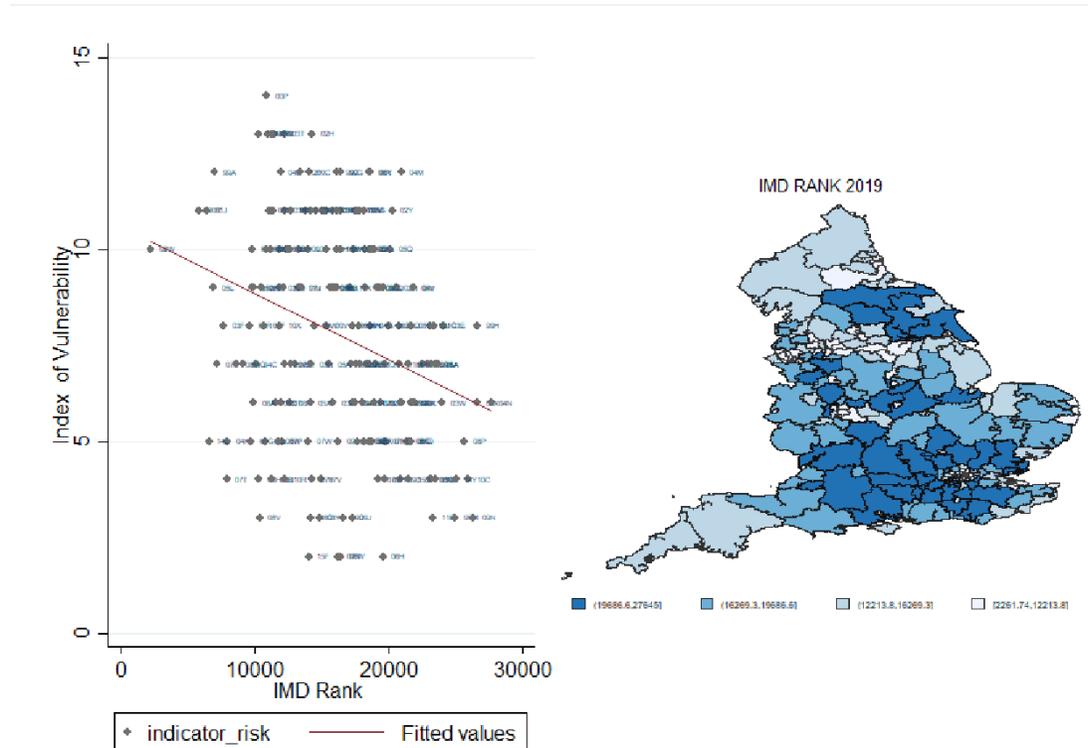


Figure 3 Correlation between indicator of vulnerability and Index of Multiple Deprivation (IMD) rank. Source: Own elaboration based on National Health System digital data at Clinical Commissioning Groups areas 2019.

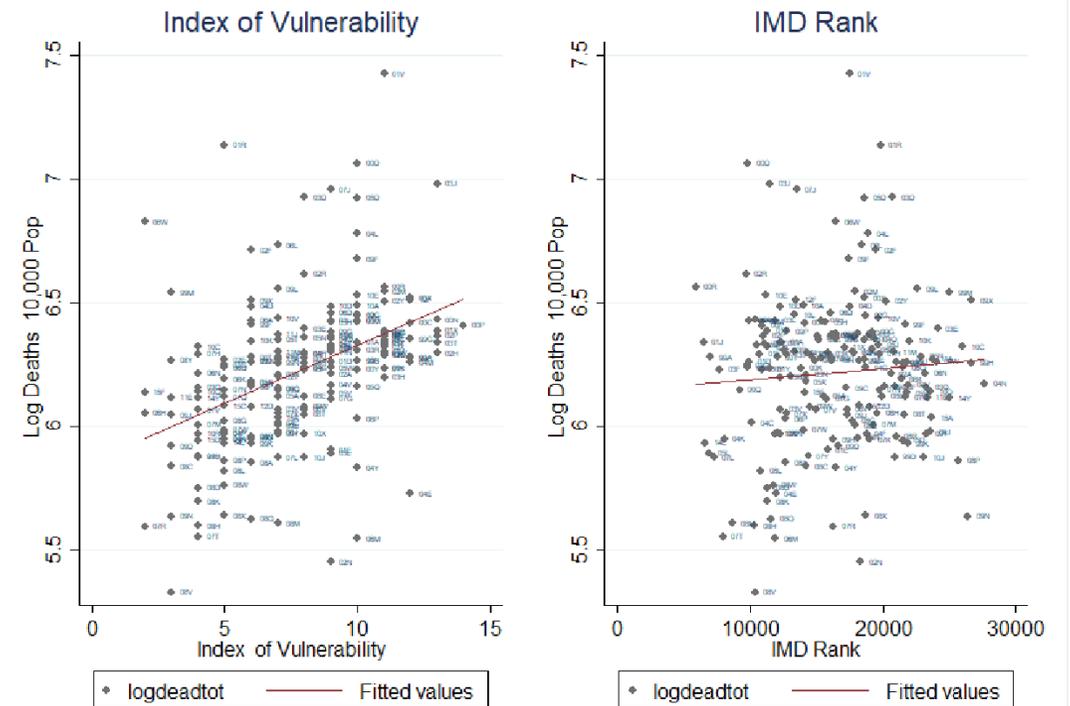


Figure 4 Correlation of Index of Multiple Deprivation (IMD) rank and Index of Vulnerability versus mortality rate. Source: Own elaboration based on National Health System digital data at Clinical Commissioning Groups areas 2019 and mortality rate of the first 22 weeks of the year 2020.

Assessing the Impact of Neighborhood Socioeconomic Characteristics on COVID-19 Prevalence Across Seven States in the United States

Elham Hatef*, Hsien-Yen Chang, Christopher Kitchen, Jonathan P. Weiner and Hadi Kharrazi

Importance d'un dépistage précoce dans les populations précaires +++

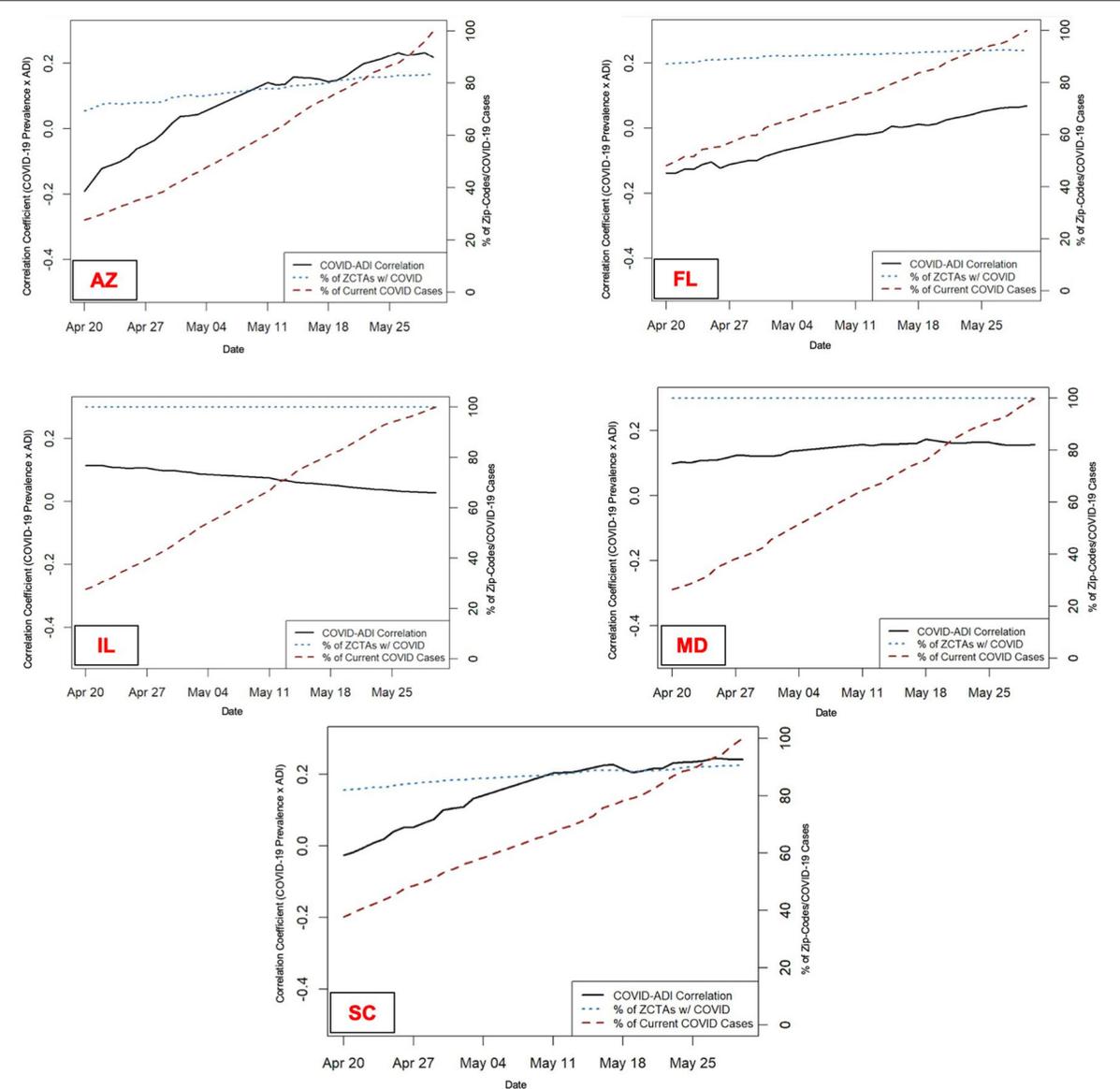


FIGURE 1 | Change in the COVID-19 Prevalence and Correlation with ADI Over Time—Percentage of zip-codes with any COVID-19 cases (blue dotted line), COVID-19 prevalence (red dotted line), and the correlation between COVID-19 prevalence and ADI (black solid line) from April 20th to May 30th, 2020 across five selected states. AZ, Arizona; FL, Florida; IL, Illinois; MD, Maryland; SC, South Carolina. Zip-code level data were not available for North Carolina and Virginia during this period to perform longitudinal analysis.

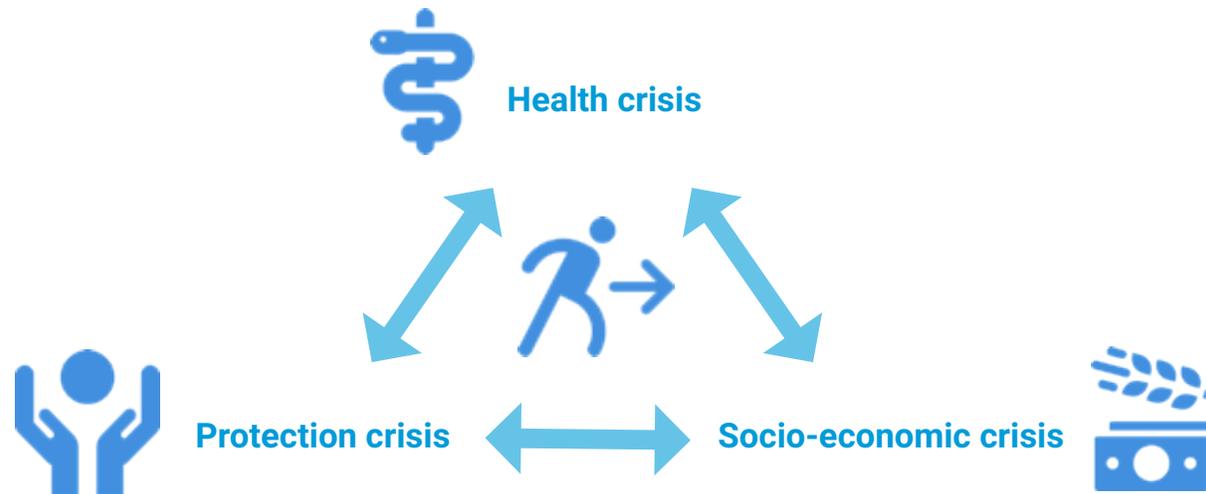


*COVID 19, Migrants,
Ethnicité*



THREE CRISES IMPACTING PEOPLE ON THE MOVE

- Unsanitary and crowded living conditions (e.g. some refugee camps have a population density that is 1,000 times that of surrounding host communities.)
- Compromised access to health services
- Food insecurity (e.g. more than half of the world's refugees and IDPs live in countries and communities that feature high levels of food-insecurity.)



- Curtailed access to asylum an (e.g. 99 countries are making no exceptions for admission of asylum seekers at closed borders)
- Detention, forced returns and deportations
- Stranded migrants, family separation and human smuggling

- Rising unemployment and loss of livelihoods (e.g. over half of the refugees surveyed by UNHCR in Lebanon reported having lost their already meagre livelihoods)
- Decline in remittances (e.g. remittances will drop by a total of USD\$109 Billion in 2020 due to COVID-19)

Migrant Worker et COVID 19, KOH D. Environ Med 2020.

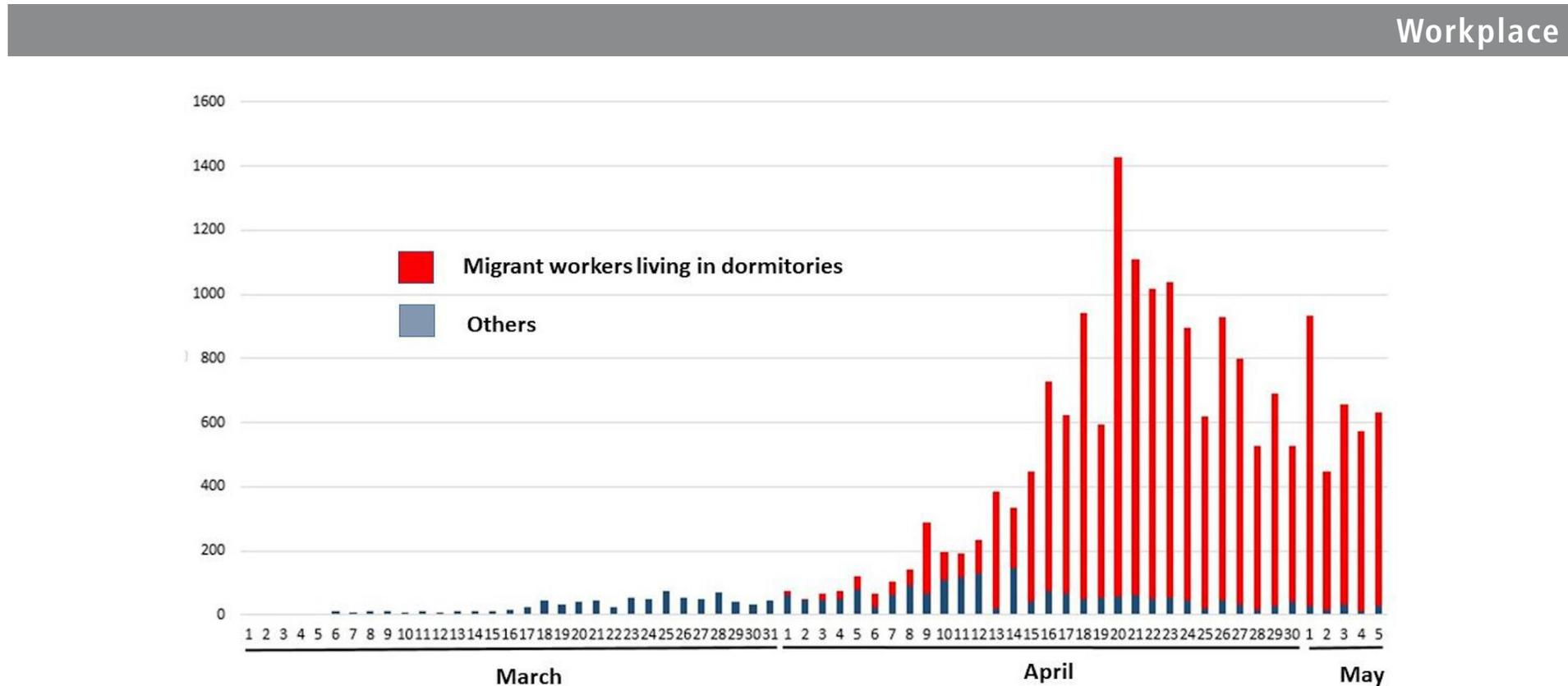


Figure 1 Number of new cases of confirmed COVID-19 in Singapore, 1 March–5 May 2020 [Source: Ministry of Health].



Social Disadvantage, Politics, and Severe Acute Respiratory Syndrome Coronavirus 2 Trends: A County-level Analysis of United States Data

Ahmad Mourad,^{1,*} Nicholas A. Turner,² Arthur W. Baker,² Nwora Lance Okeke,^{2,*} Shanti Narayanasamy,² Robert Rolfe,² John J. Engemann,³ Gary M. Cox,² and Jason E. Stout²

Table 2. Univariate and Multivariable Relationships Between Independent Variables and Increasing County Severe Acute Respiratory Syndrome Coronavirus 2 Case Counts, 1 June–30 June 2020

Sociodemographic Characteristic	Univariate OR (95% CI)	Multivariable OR (95% CI)	P Value
Metropolitan designation			
Metropolitan, >1 million population	Reference	Reference	<.001
Metropolitan, 250 000–1 million population	2.13 (1.45–3.14)	2.04 (1.37–3.05)	
Metropolitan, <250 000 population	1.50 (1.01–2.22)	1.38 (.91–2.10)	
Nonmetropolitan			
	0.88 (.64–1.22)	0.70 (.49–1.10)	
Black race	3.01 (1.29–7.01)	5.73 (1.69–19.45)	.005
Hispanic ethnicity	2.16 (.72–6.49)	3.75 (.93–15.11)	.063
Social Deprivation Index by quartile			
1–17	Reference	Reference	
>18–39	1.26 (.86–1.84)	1.17 (.79–1.75)	.431
>40–59	1.31 (.89–1.94)	1.02 (.66–1.57)	.933
>60–100	1.74 (1.20–2.51)	1.22 (.73–2.04)	.456
Republican presidential candidate won by ≥10 percentage points in 2016	1.31 (1.01–1.70)	1.80 (1.33–2.42)	<.001

Abbreviations: CI, confidence interval; OR, odds ratio.

SPECIAL ARTICLE

Hospitalization and Mortality among Black Patients and White Patients with Covid-19

Eboni G. Price-Haywood, M.D., M.P.H., Jeffrey Burton, Ph.D., Daniel Fort, Ph.D., and Leonardo Seoane, M.D.

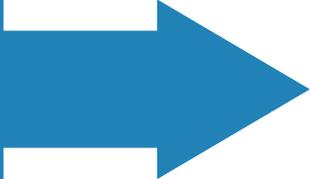
Table 3. Odds Ratios for Hospitalization among 3481 Covid-19–Positive Patients.*

Variable	Model 1	Model 2	Model 3
		<i>odds ratio (95% CI)</i>	
Race: black vs. white	1.71 (1.46–1.99)	2.35 (1.97–2.80)	1.96 (1.62–2.37)
Age, in 5-yr units	—	1.34 (1.30–1.37)	1.29 (1.25–1.33)
Sex: female vs. male	—	0.57 (0.49–0.66)	0.56 (0.48–0.65)
Charlson Comorbidity Index score	—	—	1.05 (1.00–1.10)
Residence in low-income area: yes vs. no	—	—	1.22 (1.04–1.43)
Insurance			
Medicare vs. commercial	—	—	1.73 (1.39–2.14)
Medicaid vs. commercial	—	—	1.65 (1.29–2.12)
Other vs. commercial	—	—	0.91 (0.70–1.20)
Obesity: yes vs. no	—	—	1.43 (1.20–1.71)

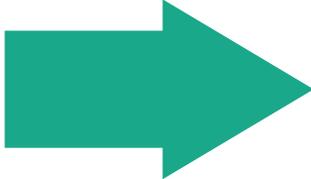
* Model 1 is the unadjusted race-only model; model 2 includes race with the additional covariates of age and sex; and model 3 includes race with the additional covariates of age, sex, Charlson Comorbidity Index score, residence in a low-income area, insurance plan, and obesity.



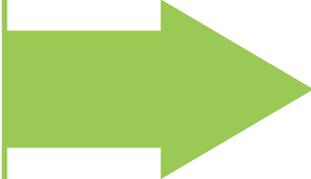
En France



- Enquête à l'initiative de la DRESS, INSERM, Santé Publique France



- Sur Internet et par Téléphone
- France Métropolitaine, Martinique, Guadeloupe, Réunion



- Du 2 mai au 2 juin 2020
- 135 000 personnes
- >15 ans



Objectifs

- Dynamique de l'épidémie
- Effets des conditions de vie sur l'exposition au virus
- Réciproquement, ceux de l'épidémie sur les conditions de vie.

TABLEAU 5 (suite). Facteurs associés aux indicateurs d'exposition potentielle au virus (densité, surpeuplement, travail uniquement à l'extérieur) et à la dégradation de la situation financière.

	Commune très dense		Surpeuplement		Travail uniquement à l'extérieur*		Dégradation situation financière	
	OR Brut	OR ajusté	OR Brut	OR ajusté	OR Brut	OR ajusté	OR Brut	OR ajusté
PCS								
Agriculteurs, indépendants et entrepreneurs	0,34 (0,32-0,37)	0,35 (0,32-0,37)	1,15 (1,04-1,28)	0,76 (0,68-0,85)	5,07 (4,72-5,44)	4,72 (4,39-5,08)	2,80 (2,63-2,98)	2,37 (2,22-2,53)
Cadres supérieurs	1	1	1	1	1	1	1	1
Profession intermédiaires	0,50 (0,48-0,52)	0,55 (0,53-0,58)	1,06 (0,99-1,14)	0,86 (0,80-0,93)	2,49 (2,36-2,63)	2,38 (2,25-2,52)	1,07 (1,02-1,13)	0,96 (0,91-1,01)
Employés de bureau, vente et service qualifiés	0,61 (0,57-0,64)	0,61 (0,58-0,65)	1,32 (1,22-1,44)	0,82 (0,75-0,90)	1,75 (1,63-1,87)	1,73 (1,61-1,86)	1,20 (1,13-1,27)	0,94 (0,88-1,00)
Employés de bureau, vente et de service non qualifiés	0,44 (0,42-0,46)	0,49 (0,47-0,52)	1,46 (1,36-1,56)	1,01 (0,93-1,09)	3,69 (3,49-3,90)	3,31 (3,12-3,52)	1,25 (1,19-1,31)	1,03 (0,98-1,09)
Ouvriers qualifiés	0,32 (0,31-0,34)	0,32 (0,30-0,35)	1,63 (1,50-1,77)	0,93 (0,85-1,02)	2,66 (2,49-2,85)	2,45 (2,28-2,63)	1,90 (1,80-2,01)	1,50 (1,41-1,60)
Ouvriers non qualifiés	0,32 (0,30-0,35)	0,29 (0,27-0,32)	2,20 (1,99-2,43)	1,05 (0,94-1,18)	3,53 (3,23-3,87)	3,33 (3,03-3,66)	1,72 (1,60-1,86)	1,20 (1,11-1,30)
N'a jamais travaillé	0,62 (0,59-0,65)	0,57 (0,53-0,61)	1,98 (1,83-2,13)	1,19 (1,07-1,32)	-	-	1,02 (0,96-1,09)	0,82 (0,76-0,88)
Effectifs	87 224	87 224	86 944	86 944	63 526	63 526	87 170	87 170



CAS



TÉMOINS

69 cas
180 témoins
Hôpital Avicenne

OBJECTIF PRINCIPAL : Précarité sociale :



Facteur de risque de COVID 19 ?

IMPACT



Pathologies sous jacentes



Offre en soin territoriale



Littératie



Digitale littératie

PODCAST : La Méthode Scientifique, France culture, 3 juin 2020

The image shows a screenshot of a podcast player interface. At the top, there is a purple navigation bar with the France Culture logo on the left, a play button icon and the text 'LE DIRECT' in the center, and the words 'Programmes' and 'Podcasts' on the right. Below the navigation bar, the date 'LE 03/06/2020' is displayed. The main title of the podcast is 'Epidémiologie sociale : santé, inégalité, comorbidité'. Below the title, there is a blue button with a play icon and the text 'ÉCOUTER (58 MIN)', and a grey circular button with a share icon. At the bottom, there is a dark grey section with the text 'À retrouver dans l'émission' followed by 'LA MÉTHODE SCIENTIFIQUE par Nicolas Martin' and the word 'Texte'. Below this, there are two white buttons: one with a podcast icon and the text 'S'ABONNER', and another with a speech bubble icon and the text 'CONTACTER L'ÉMISSION'.

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LE DIRECT

Programmes | Podcasts

LE 03/06/2020

Epidémiologie sociale : santé, inégalité, comorbidité

▶ ÉCOUTER (58 MIN)

À retrouver dans l'émission
LA MÉTHODE SCIENTIFIQUE par Nicolas Martin Texte

S'ABONNER CONTACTER L'ÉMISSION

A light blue world map is centered in the background of the slide.

Merci de votre attention

