Newsletter **PTI Salud Global/Global Health Cov19**

**Principales novedades internacionales sobre IMPACTO**

**GRUPO TEMÁTICO DE TRABAJO 5**

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Subtemáticas:

1.a. Social
1.b. Político
1.c. Económico
1.d. Medioambiental
1.e. Dinámicas científicas e innovación

**CENTROS E INSTITUTOS PARTICIPANTES**

CBMSO, CEAB, CIB, CNB, EBD, EEAD, ICM, ICMAN, ICMAT, ICP, ICTAN, ICTJA, ICTP, ICV, IDAEA, IEGD, IESA, IETCC, IFISC, IFS, IIM, ILLA, IMEDEA, IMF, INCAR, INGENIO, IPE, IPP, IQOG, ITQ, MNCN, RJB

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**CONTENIDO**

- Papers .................. 2
- Noticias relevantes ..4
- Convocatorias.........5
- Webs de interés ......5
- Otros ..................... 6

**HOT TOPICS DE LA SEMANA**

- Mortalidad y nivel socioeconómico.
- Medidas de distanciamiento social.
- Nuestros mayores.
- Contaminación
- Mercado Laboral
The coronavirus outbreak is severely disrupting the global economy. Almost all the nations are struggling to slow down the transmission of the disease by testing & treating patients, quarantining suspected persons through contact tracing, restricting large gatherings, maintaining complete or partial lock down etc. This paper describes the impact of COVID-19 on society and global environment, and the possible ways in which the disease can be controlled has also been discussed therein.


DEATHS INVOLVING COVID-19 BY LOCAL AREA AND SOCIOECONOMIC DEPRIVATION: DEATHS OCCURRING BETWEEN 1 MARCH AND 17 APRIL 2020

Official Data by the Office of National Statistics England and Wales. Deaths involving COVID-19 by local area and socioeconomic deprivation: deaths occurring between 1 March and 17 April 2020. Between the main conclusions “People living in more deprived areas have experienced COVID-19 mortality rates more than double those living in less deprived areas. General mortality rates are normally higher in more deprived areas, but so far COVID-19 appears to be taking them higher still.” “In Wales, the most deprived areas had a mortality rate for deaths involving COVID-19 of 44.6 deaths per 100,000 population, almost twice as high as the least deprived area of 23.2 deaths per 100,000 population”.

Autor: Office of National Statistics England and Wales

DEMOGRAPHIC PERSPECTIVES ON MORTALITY OF COVID-19 AND OTHER EPIDEMICS

What would a hypothetical one million US deaths in the Covid-19 epidemic mean for mortality of individuals at the population level? To put estimates of Covid-19 mortality into perspective, we estimate age-specific mortality for an epidemic claiming for illustrative purposes one million US lives, with results scalable over a broad range of deaths. We calculate the impact on period life expectancy (down 3 years) and remaining life-years (12.3 years per death), which for one million deaths can be valued at six to 10 trillion dollars. The age-patterns of Covid-19 mortality observed in other countries are remarkably similar and exhibit the typical rate of increase by age of normal mortality. The scenario of one million Covid-19 deaths is similar in scale to the decades-long HIV/AIDS and opioid-overdose epidemics but considerably smaller than the Spanish Flu of 1918.

Unlike HIV/AIDS and opioid epidemics, the Covid-19 deaths will be concentrated in months rather than spread out over decades.


COVID-19 OUTBREAK: MIGRATION, EFFECTS ON SOCIETY, GLOBAL ENVIRONMENT AND PREVENTION.

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RECOVERING FROM THE COVID-19 PANDEMIC: A FOCUS ON OLDER ADULTS

As we look toward recovery from the COVID-19 pandemic, we overview challenges to be minimized, including economic setbacks, health and well-being effects, and highlighted ageism, racism, and classism. We articulate opportunities to be seized, including increased comfort with technology and online platforms; stronger family and intergenerational connections, renewed energy to combat social isolation; more respect for selfcare and time management; increased awareness about the importance of advance directives; and, potentially, increased interest across disciplines to work on issues of aging society. Ongoing efforts to improve policies and programs for longer, healthier lives might now be more productive, as we communicate to consumers, public officials, and everyday citizens who may be more aware of what isn’t working, what is at stake, and what might be improved.

Autor: Morrow-Howell, Nancy; Galucia, Natalie & Swinfeld, Emma (2020)

MITIGATING THE WIDER HEALTH EFFECTS OF COVID-19 PANDEMIC RESPONSE

Social distancing measures to control the spread of covid-19 are likely to have large effects on health and health inequalities. These effects have numerous mechanisms, including economic, social, health related behaviours, and disruption to services and education. People on low incomes are most vulnerable to the adverse effects. Substantial mitigation measures are needed in the short and long term.

Autor: Douglas, Margaret; Vittal Katikireddi, Srinivasa; Taulbut, Martin and McKee, Martin; McCartney, Gerry (2020)

OTROS ARTÍCULOS DE INTERÉS

- *Demographic science aids in understanding the spread and fatality rates of COVID-19* [Beam Dowd, Jennifer; Andriano, Liliana; Brazel, David M.; Rotondi, Valentina; Ding, Xuejie; Liu, Yan and Mills, Melinda C. (2020)]
- *Outline Covid-19, social isolation and loneliness* [Sanders, Robertt (2020)]
- *Labor Markets During the COVID-19 Crisis: A Preliminary View* [Coibion, Olivier; Gorodnichenko, Yuriy; Weber, Michael (2020)]
- *The Coronavirus and the Great Influenza Pandemic: Lessons from the "Spanish Flu" for the Coronavirus's Potential Effects on Mortality and Economic Activity* [Robert J. Barro, José F. Ursúa, Joanna Weng (2020)]
- *Airborne transmission of COVID-19: epidemiologic evidence from two outbreak investigations* [Shen, Ye et al. (2020)]
- *Using social and behavioural science to support COVID-19 pandemic response* [Van Bavel, Jay J.; Baicker, Katherine and Willer, Robb (2020)]

CITY LOCKDOWNS, AND AIR POLLUTION: EVIDENCE FROM CHINA

The rapid spread of COVID-19 is a global public health challenge. To prevent the escalation of its transmission, China locked down one-third of its cities and strictly restricted personal mobility and economic activities. Using timely and comprehensive air quality data in China, we show that these counter-COVID-19 measures led to a remarkable improvement in air quality. Within weeks, the Air Quality Index and PM2.5 concentrations were brought down by 25%. The effects are larger in colder, richer, and more industrialized cities. We estimate that such improvement would avert 24,000 to 36,000 premature deaths from air pollution on a monthly basis.

Autor: He, G., Pan, Y., & Tanaka, T. (2020)

THE IMPACT OF COVID-19 ON PUBLIC SPACE: A REVIEW OF THE EMERGING QUESTIONS

Summary of the emerging questions about how the COVID-19 episode may change the design, use, behaviours and perceptions in public space.

GERMAN HUMANITIES SCHOLARS ENLISTED TO END CORONAVIRUS LOCKDOWN

In Germany in contrast to other countries, philosophers, historians, theologians and jurists have played a major role advising the state as it seeks to loosen restrictions. This is an article comparing COVID-19 Scientific Advisory Groups across countries.

SCHOLARLY PUBLISHERS ARE WORKING TOGETHER TO MAXIMIZE EFFICIENCY DURING COVID-19 PANDEMIC

The group of publishers and scholarly communications organizations — initially comprising eLife, Hindawi, PeerJ, PLOS, Royal Society, F1000 Research, FAIRsharing, Outbreak Science, and PREreview — is working on initiatives and standards to speed up the review process while ensuring rigor and reproducibility remain paramount. The group has issued an Open Letter of Intent and is launching an initiative to ensure a rapid, efficient, yet responsible review of COVID-19 content.

COVID-19 GENERA MIEDO E INCERTIDUMBRE. EL PELIGRO DE LOS ESCÉPTICOS Y LOS SARCASTICOS ANTE LA PANDEMIA

Artículo en el que reflexionan sobre los miedos y las incertidumbres que genera el COVID-19. El miedo a lo desconocido de esta enfermedad, así como la incertidumbre sobre las herramientas que disponemos para enfrentarnos a ella. A pesar de aplicar el método científico, aún no tenemos certezas sobre su desarrollo, incertidumbre de la que se aprovecha la infodemia para extenderse en la sociedad utilizando las redes sociales como vehículo de transmisión.

THINK TANK REVIEW - APRIL 2020. SPECIAL FOCUS ON COVID-19 EUROPEAN COUNCIL

The special focus on COVID-19 covers all the repercussions and consequences of the pandemic in the EU and its member states, in international relations and beyond. President Michel’s 100+ dynamic days in office, the ECB’s limits in restoring sustainable growth, what ‘solidarity’ means in the euro area, labour regulations in the age of artificial intelligence, and the implications of trade wars for the EU are some of the topics featured in this Think Tank Review.

REPORT: THE IMPACT OF THE COVID-19 PANDEMIC ON PEOPLE LIVING WITH DEMENTIA IN SPAIN

The dementia post-diagnostic support pathway for people living with dementia and their families is almost non-existent in Spain, in spite of the advocacy from neurologists, geriatricians, nurses, psychologists and patients’ associations for these support services for decades. If these support services had been in place, both patients and families may have been better equipped and supported to face the challenges of confinement.

OTRAS NOTICIAS RELEVANTES

- How is Covid-19 affecting schools in Europe?
- Global coronavirus death toll could be 60% higher than reported
- The Covid-19 crisis reveals how much we value old age
- University Archives documents the COVID-19 crisis as it unfolds
CONVOCATORIAS ABIERTAS

- **Social Research Call 2020. La Caixa Foundation.**
- **CONVOCATORIA Crue-CSIC-SANTANDER**
- **INTERRUMPIDA: INSTITUTO DE SALUD CARLOS III**
- **CONVOCATORIA JUNTA DE ANDALUCÍA**
- **PLAnd COVID-19. ANDALUCIA**
- **IDEA ANDALUCIA I+D+i EMPRESARIAL**

Recuerda que puedes encontrar información de TODAS las convocatorias abiertas en la wiki de la PTI Salud Global

PÁGINAS WEB DE INTERÉS

1.- **INE. Información estadística para el análisis del impacto de la crisis COVID-19**
Este espacio recopila información para el estudio de distintos fenómenos que pueden ser de interés para analizar la situación económica, social y demográfica del periodo de alerta sanitaria provocada por los efectos de la COVID-19. Se presentan indicadores, gráficos e informes que el INE elabora habitualmente como parte de su actividad estadística, así como otros materiales preparados específicamente para un mejor seguimiento de la realidad durante la actual crisis.

2.- **Longitudinal Covid-19 studies in countries internationally exploring the effects of the pandemic on mental health**
Repositorio interesante de estudios longitudinales que se están desarrollando en el mundo.

3.- **National Academy of Sciences NAS 157th Annual Meeting**
This special late-breaking session on COVID-19 provided the audience with deeper insights into the latest developments in the COVID-19 response. A diverse panel spoke to the whole experience on dealing with this pandemic—from US to international, to the state of diagnostic, treatment and vaccine development, to the importance of communication. The session was chaired by NAM President V. Dzau.

4.- **Epidemias y salud global Reflexiones desde la Historia**

5.- **Biblioteca Virtual del CSIC Recursos sobre COVID19**
NUESTRA WIKI
Para información actualizada de la actividad de las temáticas puedes consultar la wiki de la PTI Salud Global

OTRA INFORMACIÓN QUE DEBES CONOCER
Puedes consultar la web pública de la PTI Salud Global para conocer más noticias y novedades de la actividad de nuestros investigadores en la lucha contra la pandemia provocada por la COVID-19

Y si tienes cualquier consulta, puedes hacérsela llegar a través del email: pti@csic.es