



Measles Outbreak: The Tip of the Iceberg of the Anti-Vaccination Movement **How Evidence-Based Content Can Support to Contain** This Crisis?

Ximena Alvira, MD, PhD Budapest, September 17, 2019 Almost 83,000 people contracted measles in Europe in

2018 - the highest number in a decade

In the United States, the first three months of 2019

have seen more cases than all of 2018

Four European countries are no longer measles free: Albania, Czechia, Greece, and the United Kingdom

http://www.euro.who.int/en/media-centre/sections/press-releases/2019/european-region-loses-ground-in-effort-to-eliminate-measles

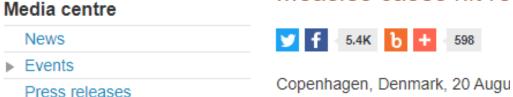




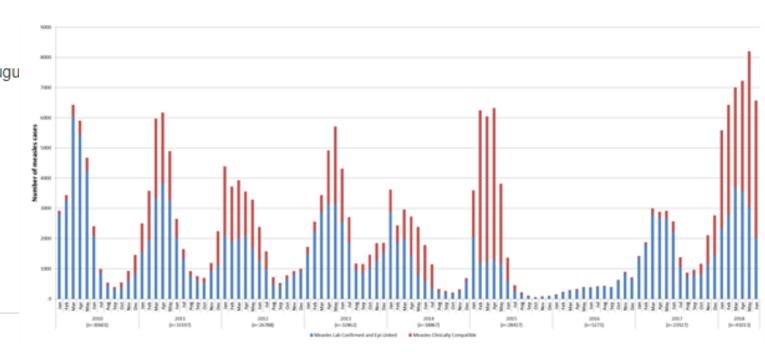
Media centre > Measles cases hit record high in the European Region

Measles cases hit record high in the European Region

598



Distribution of measles cases by month and year of rash onset in the **European Region** Jan-2010 to Jun-2018





World Health Organization Health Topics v About Us v Countries v Newsroom v Emergencies v Ten threats to global health in 2019

Credits



https://www.who.int/emergencies/ten-threats-to-global-health-in-2019

- Air pollution and climate change
- Noncommunicable diseases
- Global influenza pandemic
- Fragile and vulnerable settings
- Antimicrobial resistance
- Ebola and other high-threat pathogens
- Weak primary health care
- Dengue
- HIV
- Vaccine hesitancy

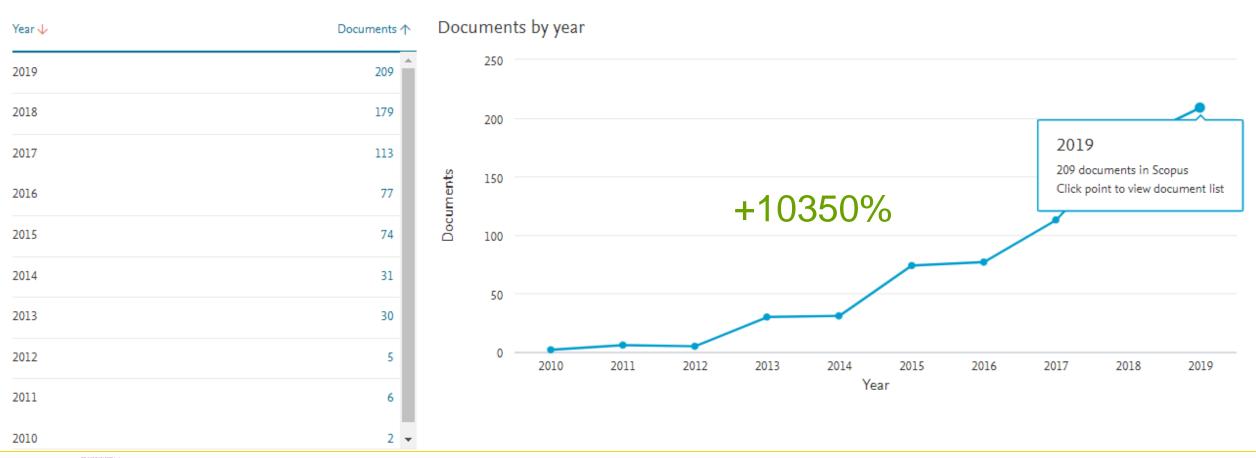


Research output for "vaccine AND hesitancy" from 2010-2019

TITLE-ABS-KEY (vaccine AND hesitancy)

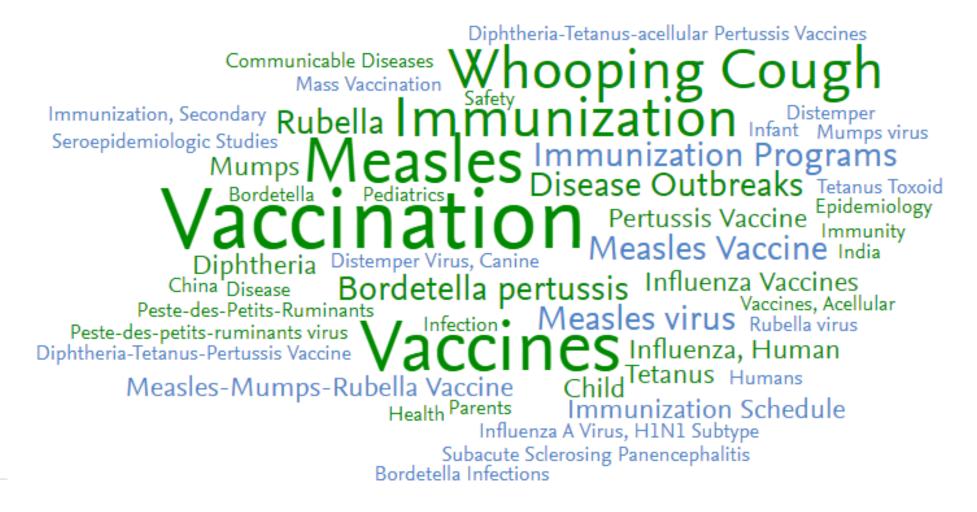
726 document results

Select year range to analyze: 2010 🖌 to 2019 🖌 Analyze

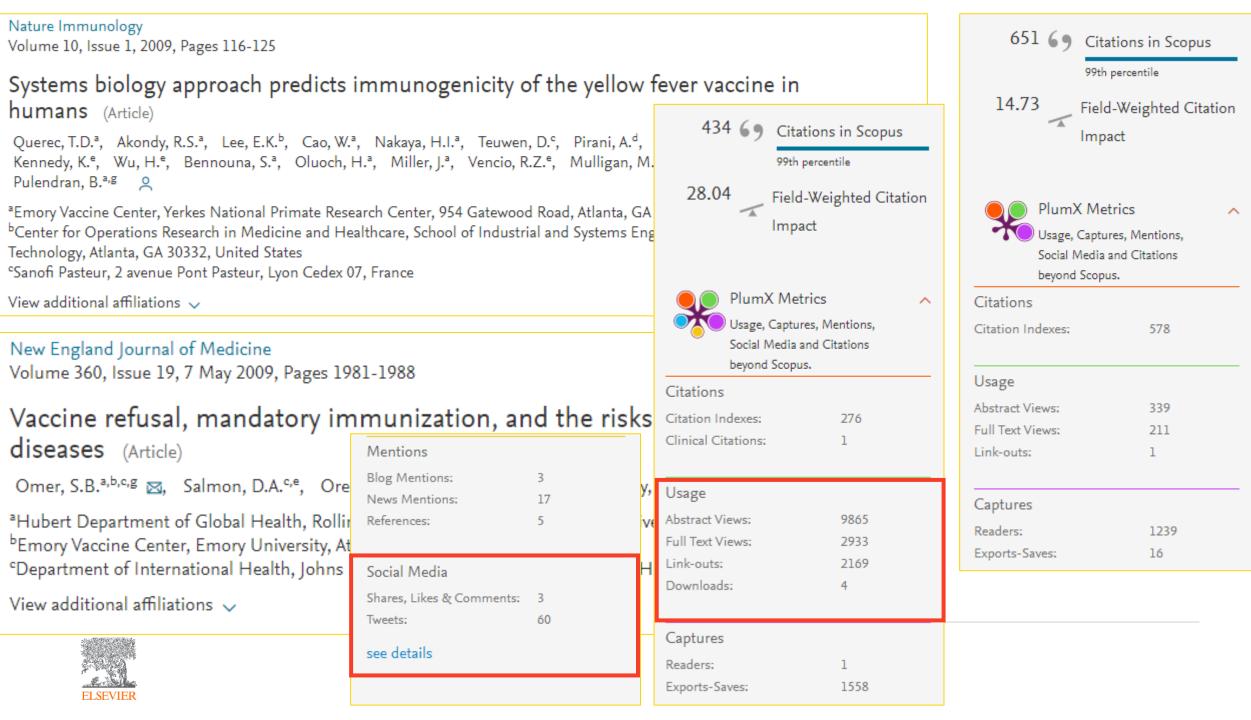




Top 50 keyphrases in vaccination, vaccines and immunization by relevance from 2009-2018







Late 1890s - 1912





THE LANCET

EDITORIAL | VOLUME 390, ISSUE 10107, P2016, NOVEMBER 04, 2017

The opioid crisis in the USA: a public health emergency

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The Lancet

Published: November 04, 2017 DOI: https://doi.org/10.1016/S0140-6736(17)32808-8

OUTLOOK · 11 SEPTEMBER 2019

Tracing the US opioid crisis to its roots

Understanding how the opioid epidemic arose in the United States could help to predict how it might spread to other countries.



1950s



September 3, 2019

Association Between Soft Drink Consumption and Mortality in 10 European Countries

Amy Mullee, PhD^{1,2,3}; Dora Romaguera, PhD^{4,5}; Jonathan Pearson-Stuttard, BMBCh^{6,7}; <u>et al</u>

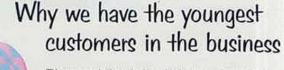
» Author Affiliations €

JAMA Intern Med. Published online September 3, 2019. doi:10.1001/jamainternmed.2019.2478

Key Points

Question Is regular consumption of soft drinks associated with a greater risk of all-cause and cause-specific mortality?

Findings In this population-based cohort study of 451743 individuals from 10 countries in Europe, greater consumption of total, sugar-sweetened, and artificially sweetened soft drinks was associated with a higher risk of all-cause mortality. Consumption of artificially sweetened soft drinks was positively associated with deaths from circulatory diseases, and sugar-sweetened soft drinks were associated with deaths from digestive diseases.



Nothing does it like Seven Up!

Annibutions Annibutions Annual Areas Annual Annual Areas Annual A This young man is 11 months old - and he in't our youngest customer by any means.

For 7-Up is an pure, an wholesome, you can even give it to habies and feel good about it. Look at the back of a 7-Up bottle. Notice that all our ingredients are listed. (That isn't required of off. drinks, you know - hat wi're proud to do it and we think you're pleased that we do.) By the way, Mann, when it comes to todditer— if they like to be exacted to drink their milk, try this: Add 7-Up to the milk in equal parts, pouring the 7-Up gently into the milk. Tt's a wholesome combination—and it workin Make 7-Up your family drink. You like $i_1 \ldots it likes you!$

1950s

More Doctors Smoke CAMELS than any other cigarette!

Dectors in every branch of medicine were asked, "What eigssette do you smoke?" The brand named most was Came!!

You'll onjoy Cannob for the same reasons no more docurs enjoy down. Cannob have cost, road autofarm, pack after pack, and a dayor armanched by any other eigenetic. Make this sensible rest, Staolae only

Canada for 90 days and see how well Gamula please your mate, how well that suit your chronic as your mendy similar. You'll see how enjoyable a cigarette con be!

THE DOCTORS' CHOICE IS AMERICA'S CHOICE!



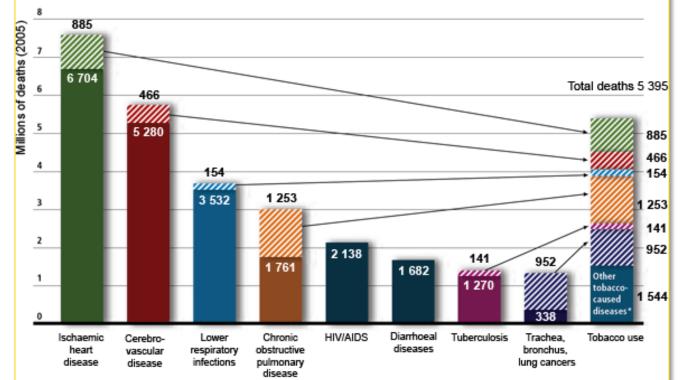


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INTERNET over "Last near Phone for Last for the set of the set of



TOBACCO USE IS A RISK FACTOR FOR SIX OF THE EIGHT LEADING CAUSES OF DEATH IN THE WORLD



The approach

Empowering people with current, credible, evidence-based information



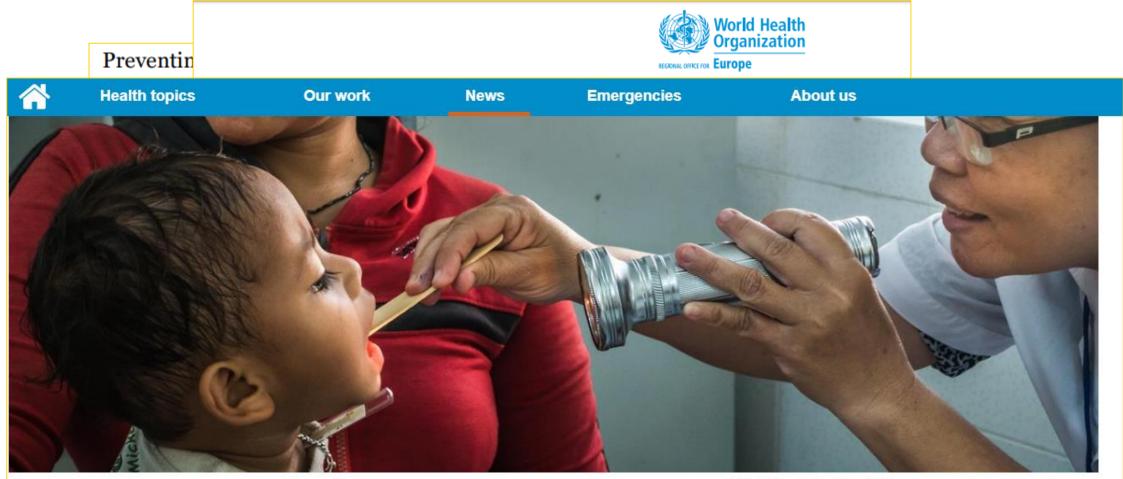


Information to educate, empower, and engage the population

- Information to educate and empower healthcare professionals and support decision-making
- Information to enhance transparency and quality in research



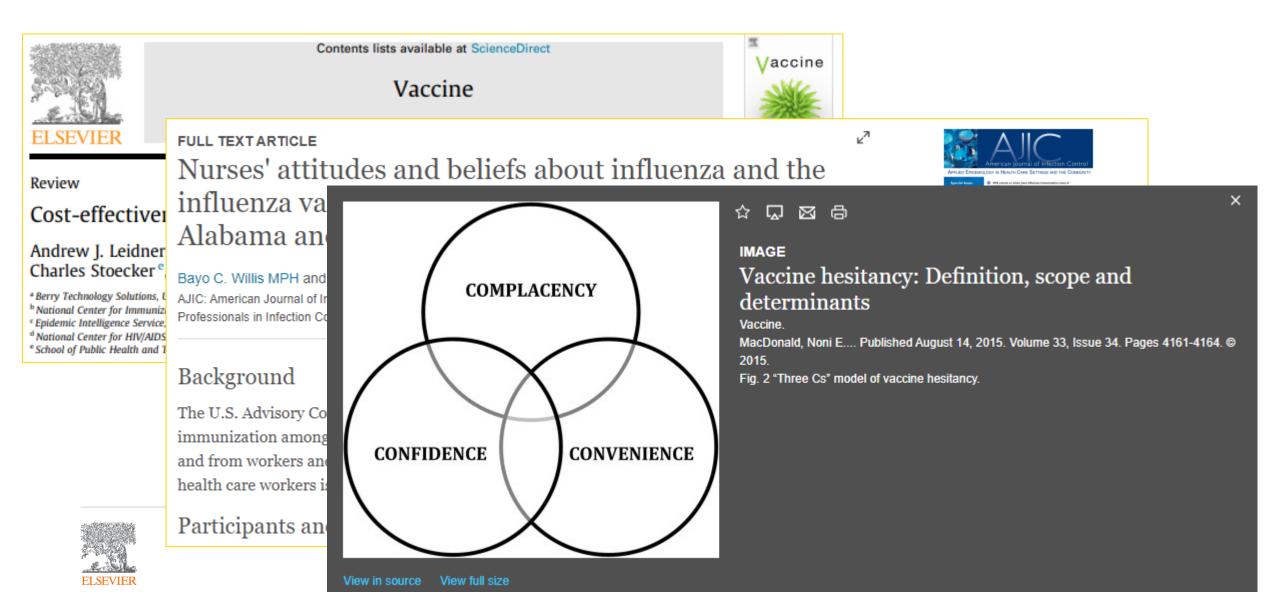
Information to educate, empower, and engage the population



Questions and answers on immunization



Information to educate and empower healthcare professionals and support decision-making





Ilustre Colegio Oficial de Médicos de Madrid

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DERECHOS

Inhabilitada una pediatra tras la denuncia presentada por Autismo España al Ilustre Colegio Oficial de Médicos de Madrid

- El organismo, tras valorar la información y recibir las alegaciones pertinentes, ha determinado una sanción disciplinaria para la profesional médica.
- La Confederación agradece la implicación del organismo y su actuación en defensa de la evidencia científica en la divulgación de contenidos sobre el TEA.

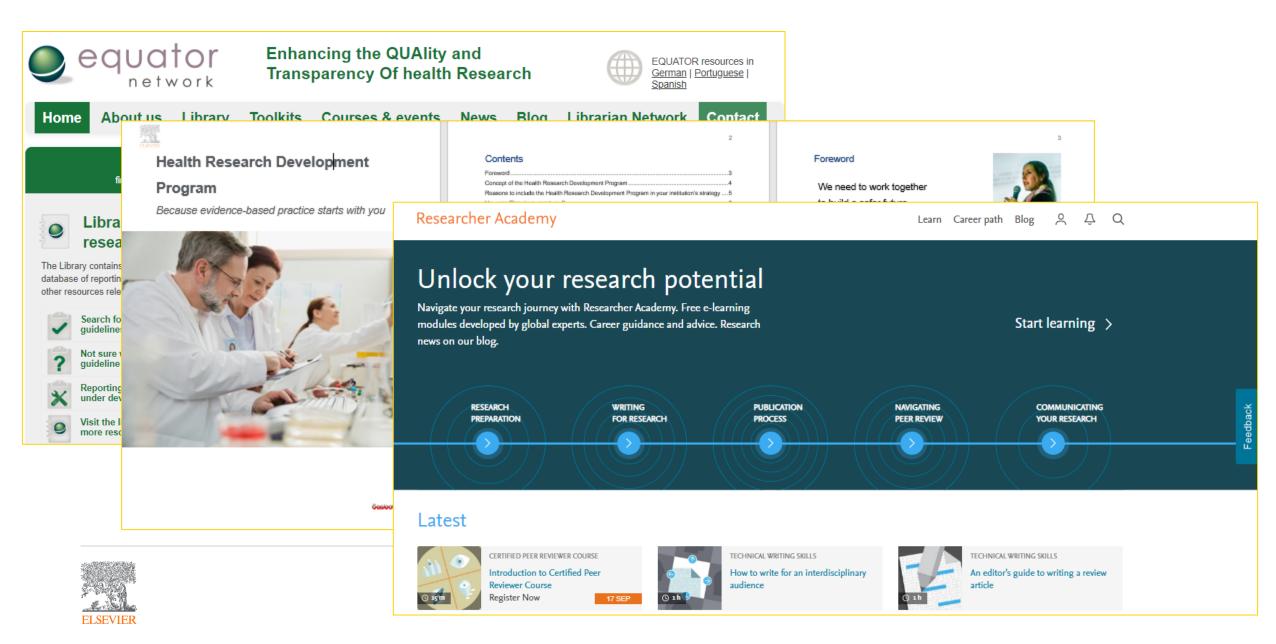
Autismo España | Madrid | 19 Jun 2019 - 12:17 CEST

Archivado en: Autismo derechos pseudoterapias malas prácticas

The College of Physicians of Madrid disqualified a doctor for making public declarations linking vaccines with autism.



Information to enhance transparency and quality in research

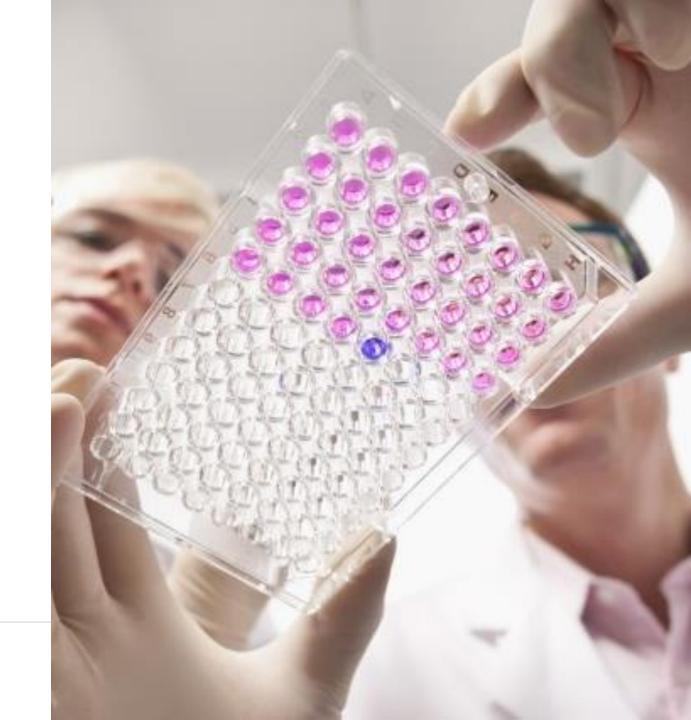


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Nature Microbiology. Volume 4, page725 (2019)



-ELSEVIER

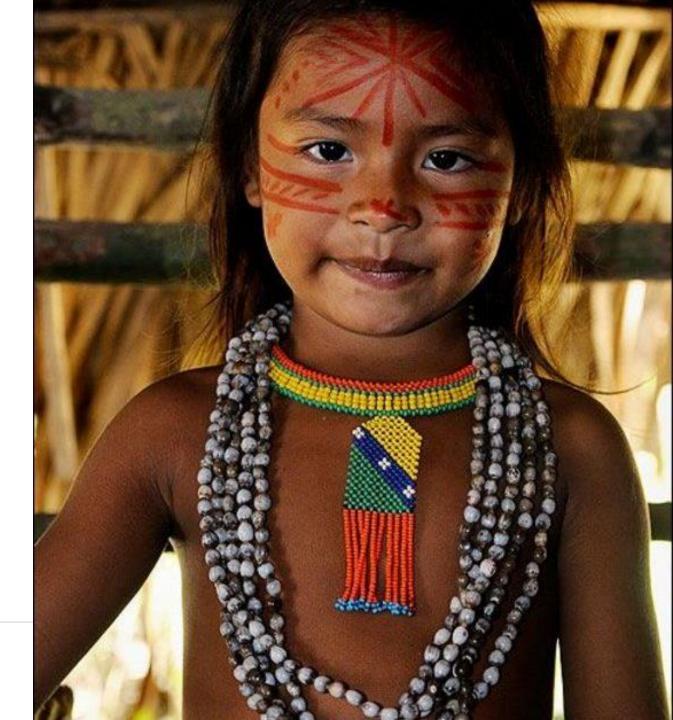
Saving lives in the Amazon

Lais Junqueira

The approach

- Prevention
- Early Detection
- Timely Correct Treatment

Empowering people with information





The approach

Empowering people with current, credible, evidence-based information

Together we can change the future





Thank you

Ximena Alvira, MD, PhD Budapest, September 17, 2019

