

Reaching the next generation of clinicians

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A little of my background...

- Training roughly around the Wakefield mess...
- Doctoral work focused on mercury effects on B lymphocytes/autoimmune diseases
- Spent the last 17 years at UCA, teaching...
- Work on pandemic influenza epidemiology studies
- Wrote a book on influenza vaccinations



THE LANCET

The Lancet, Volume 351, Issue 9103, Pages 637 - 641, 28 February 1998
doi:10.1016/S0140-6736(97)11096-0

This article was retracted

RETRACTED: Ileal-lymphoid-nodular hyperplasia, non-specific colitis, and pervasive developmental disorder in children

Dr [AJ Wakefield](#) FRCS [✉](#), [SH Murch](#) MB [b](#), [A Anthony](#) MB [a](#), [J Linell](#) PhD [a](#), [DM Casson](#) MRCP [b](#), [M Malik](#) MRCP [b](#), [M Berelowitz](#) FRCPsych [s](#), [AP Dillon](#) MRCPath [a](#), [MA Thomson](#) FRCP [b](#), [P Harvey](#) FRCP [d](#), [A Valentine](#) FRCR [s](#), [SE Davies](#) MRCPath [a](#), [JA Walker-Smith](#) FRCP [a](#)

Summary

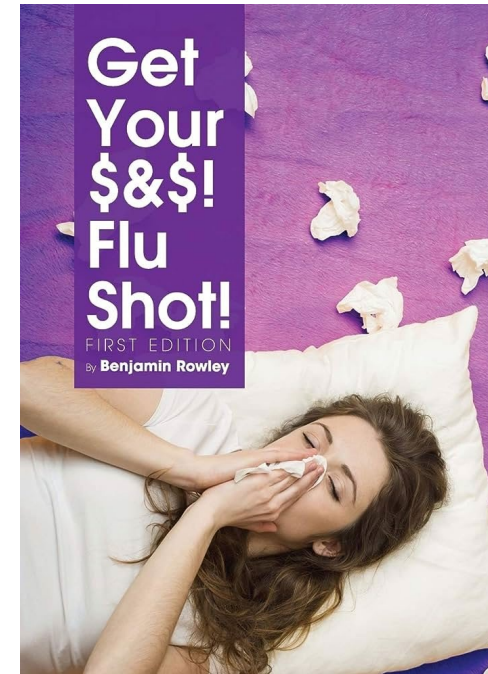
Background

We investigated a consecutive series of children with chronic enterocolitis and regressive developmental disorder.

Methods

12 children (mean age 6 years [range 3–10], 11 boys) were referred to a paediatric gastroenterology unit with a history of normal development followed by loss of acquired skills, including language, together with diarrhoea and abdominal pain. Children underwent gastroenterological, neurological, and developmental assessment and review of developmental records. Ileocolonoscopy and biopsy sampling, magnetic-resonance imaging (MRI), electroencephalography (EEG), and lumbar puncture were done under sedation. Barium follow-through radiography was done where possible. Biochemical, haematological, and immunological profiles were examined.

RETRACTED

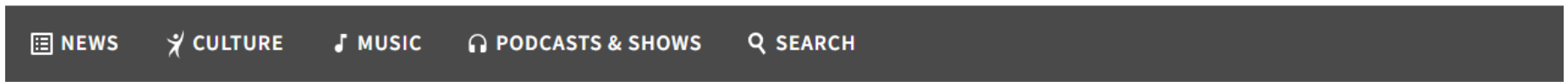
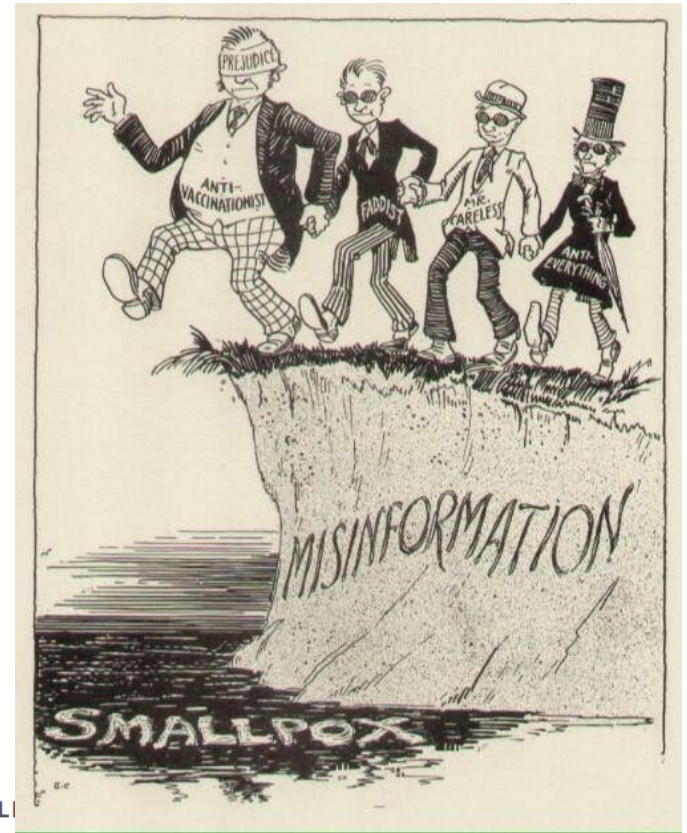


Main points:

- WHAT IS THE GOAL? WHY ARE WE HERE?
 - Help people to understand that vaccines are highly-effective and very safe preventative medicine, and that they should get them to help cut-down or eliminate different types of infectious disease in our populations
- SECOND GOAL – Help improve vaccination education in those who will be interacting with patients themselves
- Find teachable moments
 - For future clinicians/practitioners
 - For the general public
- Set the right tone
- Avoid bad situations/setting yourself up for failure or problems

Why does any of this matter?

- Indirectly, saving lives and helping to prevent illness
- Promoting scientific literacy
- Pushing back against mis- or disinformation



NATIONAL

Republicans' excess death rate spiked after COVID-19 vaccines arrived, a study says

July 25, 2023 · 2:17 PM ET

By Bill Chappell



Everyone Is Compelled to Wear Masks by City Resolution

Great Variety in Styles of Face Adornment in Evidence

The Board of Supervisors yesterday passed a resolution whereby every person who appears on the streets of San Francisco shall be compelled to wear a mask in compliance with the provisions of the act.

This order applies to everybody—visitors as well as residents. It was passed by a vote of 10 to 2.

Meanwhile since the first order recommending the wearing of a mask was promulgated three days ago, the number of persons who carried that article increased so markedly that yesterday about four out of every five persons in San Francisco were wearing masks.

UNUSUAL VARIETY

All sorts and conditions of masks were in evidence—most of them simple affairs, more made of gauze than of any other material, and some that were made of paper and some that were made of cloth.

Others selected masks of a more restricted type, the scientific type, complete with the padding, which was absent from the other and distinctive features of the original

scientific type. Still others were highly developed and complete in their scheme of construction and medical efficacy, some having locking mechanisms, the applied mechanics, some of metal, some of rubber or other substance, all suggestive of surgical instruments and leading a zig-zag path to the wearer—as an example the mask of the doctor of the board.

Dr. Hester of the Board of Health, who has the whole matter in charge, is wearing a modification mask that is a compound of the two principles.

The mask extends partially like the helmet of the French military at the period of Agincourt, but is not so complete as the metal helmet. Furthermore, it is designed to be worn in the open air, and is made of gauze, like the common garden mask more usually worn.

The police affect the simple, plain, plain type of mask, wearing in side and center the ordinary style of mask, and are wearing in a variety of three days in the head can keep them out of their way, with elastic loops that are distributed in position.

Some with masks of protruding nature, however, the elastic, but more reliable, system of tying the mask with tapes around the back and head is to be recommended.

The treatment of Hester's type of mask is used by many girl clerks and women in business offices. It hangs loose below the chin and has not such a satisfactory and pleasing effect as the scientific type of female beauty as has the mask that is tied under the mouth close to the chin.

VERY POPULAR, TOO

Hundreds of women have been complaining because the mask regulations and their dress of inconvenience by using their hats, as the regulations often have failed to give an adequate allowance. What will become of them if they persist in this form of mask, besides the new and

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THREE SHOT IN STRUGGLE WITH MASK SLACKER

Blacksmith Strikes Health Inspector Striving to Enforce Order

Two men and a woman were shot yesterday at Powell and Market streets when Hesse B. Miller, an inspector in the city Health Department, discharged his revolver in a battle with James Wisner, a blacksmith, who refused to don a gauze influenza mask at the order of the health officer.

Wisner was one of the wounded, being shot in the arm and leg. Henry Appleton, 63 years old, 124 Belvedere street, was shot in the leg by one of the four bullets fired by Miller, as was a woman whose name could not be learned by the police, she having gone at once to her home after learning her wound was slight.

The police report that Miller found Wisner standing at the corner wearing his arms and urging a crowd to dispense with the mask. "They are the bunk," he is reported to have said.

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100 M Held Dis

hand in the market

ANTI-MASK LEAGUE FORMED IN 'CITY'

By United Press
SAN FRANCISCO, Jan. 31.—"Sanitary Spartacans" have broken out in San Francisco in protest of the influenza-mask wearing ordinance. A league was organized last night which is to be known as the "anti-mask" league. At a meeting, in the Pacific building, \$350 was raised to aid in fighting the board of health's enforcement of the mask-wearing ordinance.

SALK POLIO VACCINE PROVES SUCCESS; MILLIONS WILL BE IMMUNIZED SOON; CITY SCHOOLS BEGIN SHOTS APRIL 25

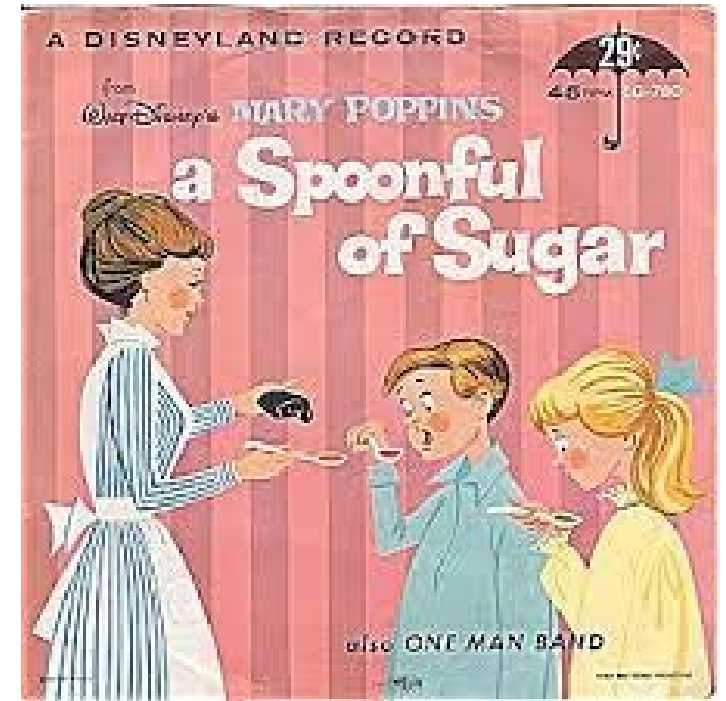


TRIAL DATA GIVEN

Efficacy of 80 to 90%
Shown—Salk Sees
Further Advance

Abstract of report, summary
of data on tests, Page 22.

By WILLIAM L. LAURENCE



"FAKE" POLIO VACCINE MAY KILL YOUR CHILD!!

INOCULATION FOR IMMUNITY IS STRICTLY A "THEORY" AND THE PRACTICE OF INOCULATION MAKES THE BODY "UNCLEAN" AND SUBJECT TO SICKNESS WHICH MAY BE POLIO.

About February first, there will begin in this country, the most horrible, unthinkable, dangerous, vicious crusade against HEALTH ever conceived. One million little children will be offered as sacrifices on the altar of greed . . . having their life's blood "polluted" with Dr. Salk's fraudulent vaccine . . . dead virus "pickled" in formalin, (formaldehyde) . . . embalming fluid if you please. This vaccination FRAUD is a frantic effort by the boon-doggling, charity brokers to prevent the public from learning the TRUTH about the UTER WORTHLESSNESS of the March of Dimes.

ISN'T IT FACT . . . that Dr. Salk himself stated that after he had injected his serum into "test" children that he couldn't sleep for a few nights? Sickening . . . isn't it?? . . . Yet, he wants to use your child as a "human guinea-pig."

In Los Angeles, after a wide spread and intensive vaccination campaign was waged, according to Dr. Dale, County Epidemiologist, estimates there were approximately 4,000 CASES OF POLIO JUST ONE MONTH AFTER THE VACCINATION CAMPAIGN as compared with only 14 CASES the YEAR BEFORE.

rate running in places to almost 70% says, If the record of vaccination in the Philippines were ever to become a matter of general knowledge it would FINISH vaccination.

In the Philippines in a period of three years following compulsory vaccination, occurred the greatest smallpox epidemic in Philippine history . . . with 162,503 cases and 71,453 deaths. In 1918, 47,369 of those vaccinated came down with Smallpox . . . 16,477 DIED. In 1919 . . . 65,180 were stricken with Smallpox . . . 44,408 DIED.

Finding teachable moments...

- Who are you interacting with, day by day?
- Do they have a sufficient reading level and/or scientific background?
- Do they want to learn more/understand?

Finding teachable moments...

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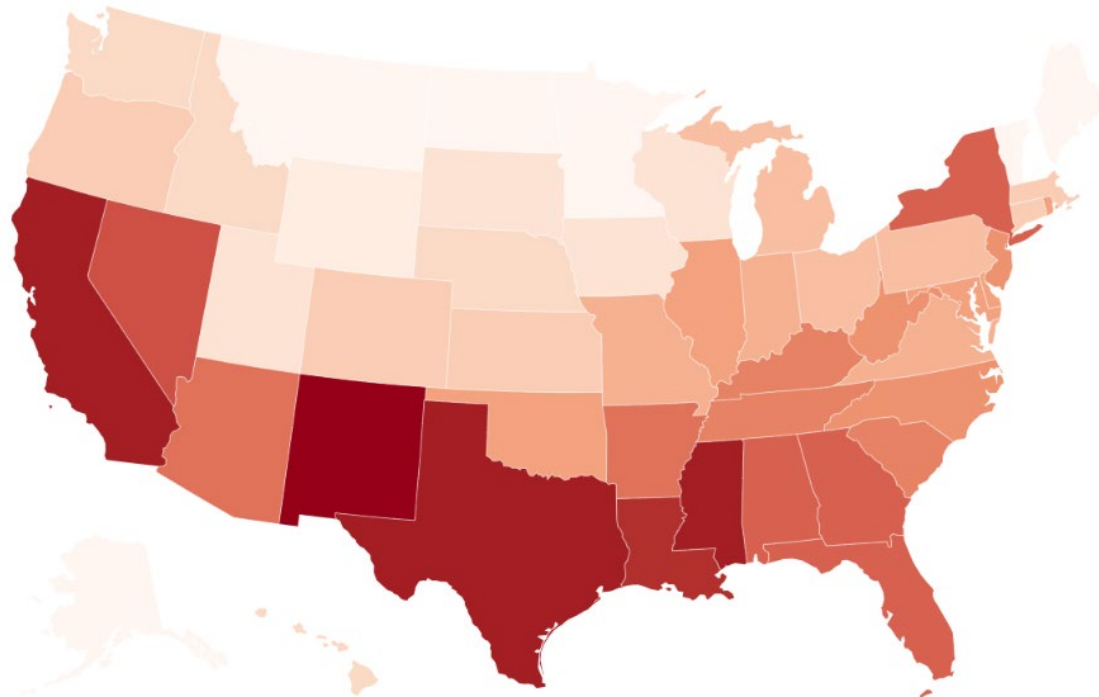


Finding teachable moments...

- Do they have a sufficient reading level and/or scientific background?

Percentage of State Populations at or Below Level 1 Literacy

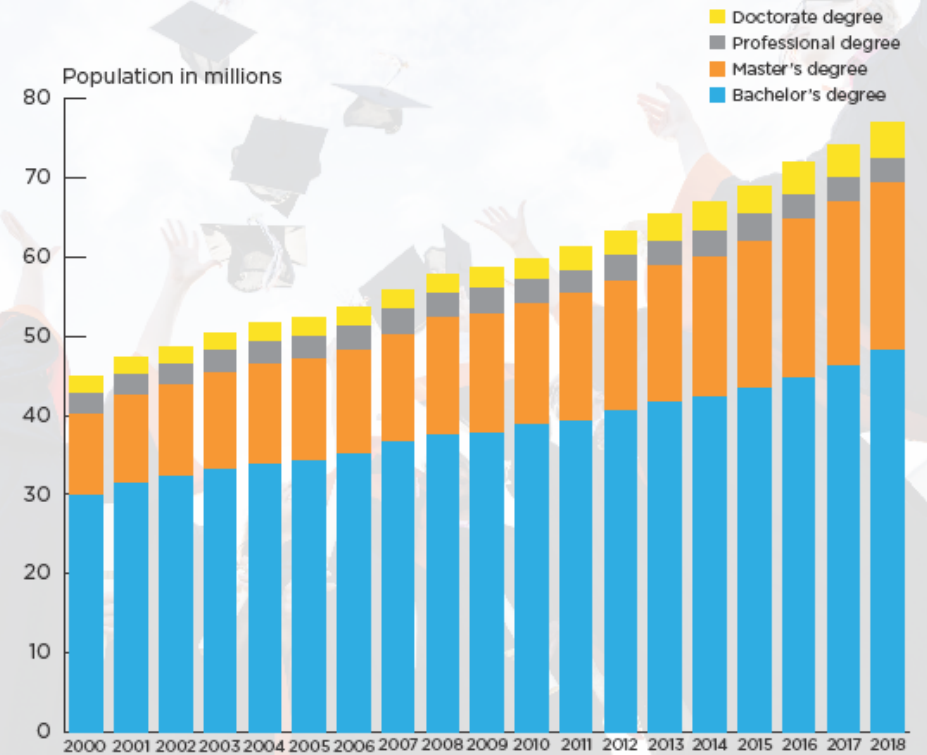
12% 29%



Map: APM Research Lab • Source: PIAAC • Get the data • Created with Datawrapper

Educational Attainment

Population 25 Years and Over Who Have Completed a Bachelor's Degree or Higher by Detailed Attainment: 2000-2018



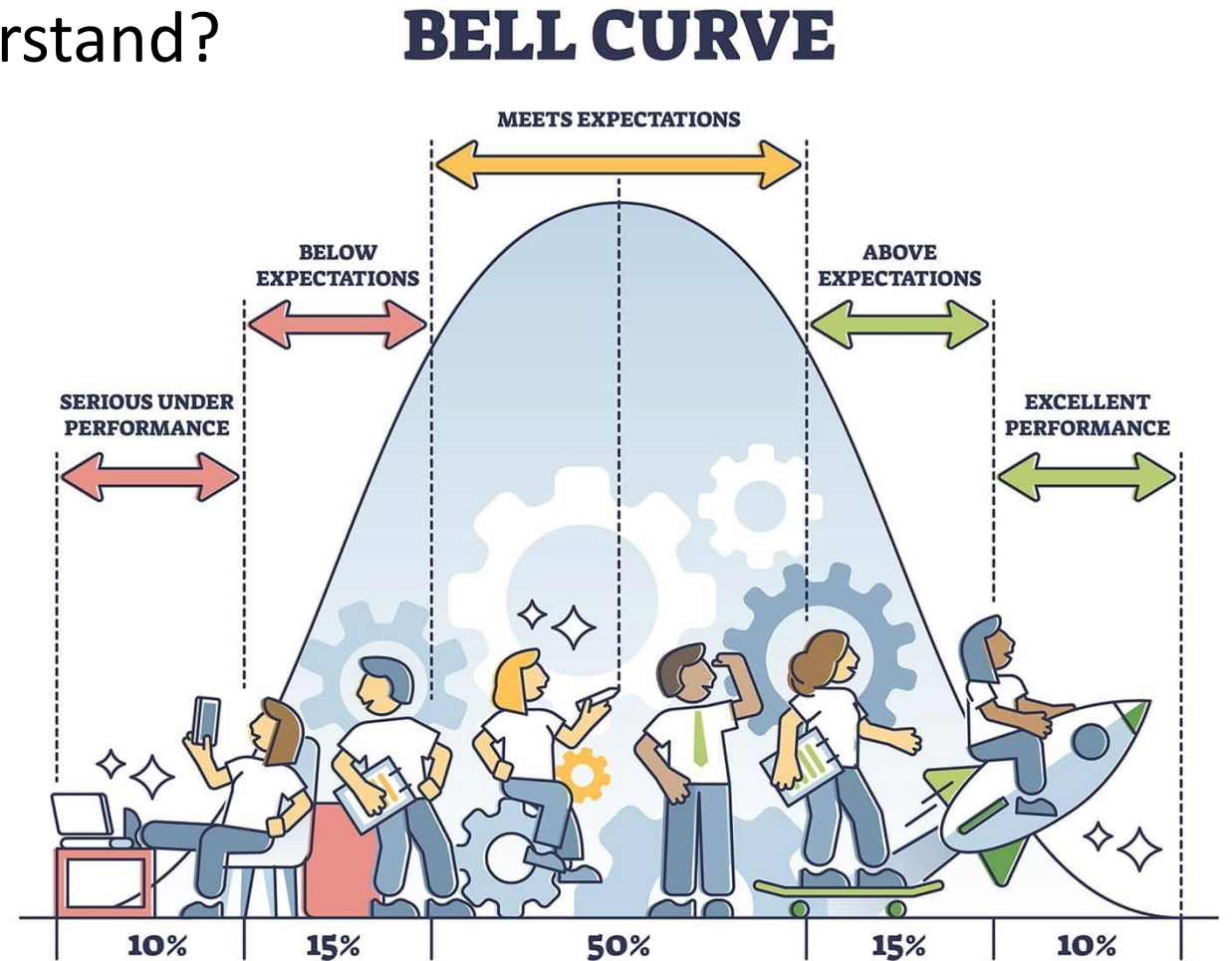
United States
Census
Bureau

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

Source: U.S. Census Bureau, 2000-2018
Annual Social and Economic Supplement
to the Current Population Survey.

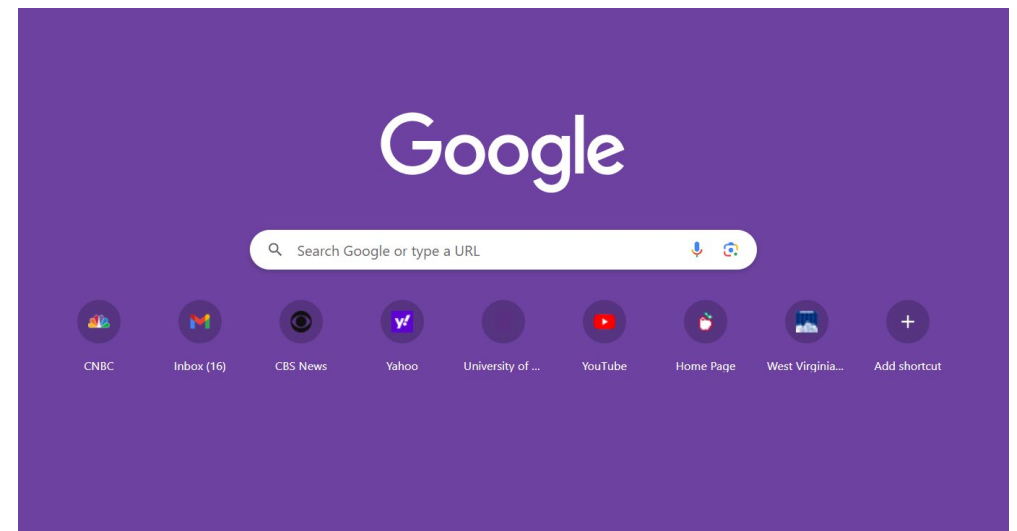
Finding teachable moments...

- Do they want to learn more/understand?



Setting the right tone...

- Avoid extremes, hyperbole, belittling, or lecturing
- Recognize and acknowledge concerns and opinions they may have
- Focus on their information so far
 - Where did they get it?
 - Do they know where to find high quality, factually-correct information?
 - What questions do they have?
- Watchwords: TRUST and RESPECT
- Model behaviors you want to instill



Sort by:





MY NCBI FILTERS

687 results



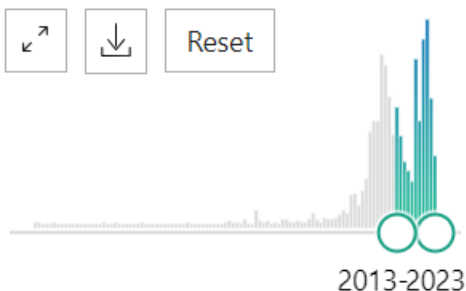
Page

of 69



RESULTS BY YEAR




 Filters applied: in the last 10 years. [Clear all](#)


The 1918 Influenza Pandemic and Its Legacy.

1 Taubenberger JK, Morens DM.

Cite

Cold Spring Harb Perspect Med. 2020 Oct 1;10(10):a038695. doi: 10.1101/cshperspect.a038695.

 PMID: 31871232 [Free PMC article.](#) [Review.](#)

Share

The **pandemic's** sudden appearance and high fatality rate were unprecedented, and 100 years later still serve as a stark reminder of the continual threat **influenza** poses. ...The **1918 pandemic** virus initiated a **pandemic** era still ongoing. Th ...

TEXT AVAILABILITY



Abstract



Free full text



Full text

ARTICLE ATTRIBUTE



Associated data



Influenza.

2 Krammer F, Smith GJD, Fouchier RAM, Peiris M, Kedzierska K, Doherty PC, Palese P, Shaw ML, Treanor J,

Cite

Webster RG, García-Sastre A.

Nat Rev Dis Primers. 2018 Jun 28;4(1):3. doi: 10.1038/s41572-018-0002-y.

Share

 PMID: 29955068 [Free PMC article.](#) [Review.](#)

The severity of **pandemic influenza** depends on multiple factors, including the virulence of the



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COVID19

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Sort by: Best match

Display options

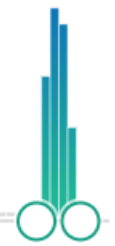
MY NCBI FILTERS

361,098 results

Page 1 of 36,110

RESULTS BY YEAR

Reset



2019-2024

Use COVID-19 filters from PubMed Clinical Queries to refine your search
 Treatment Mechanism Transmission More filters
 See more SARS-CoV-2 literature, sequence, and clinical content from NCBI

TEXT AVAILABILITY

- Abstract
- Free full text
- Full text

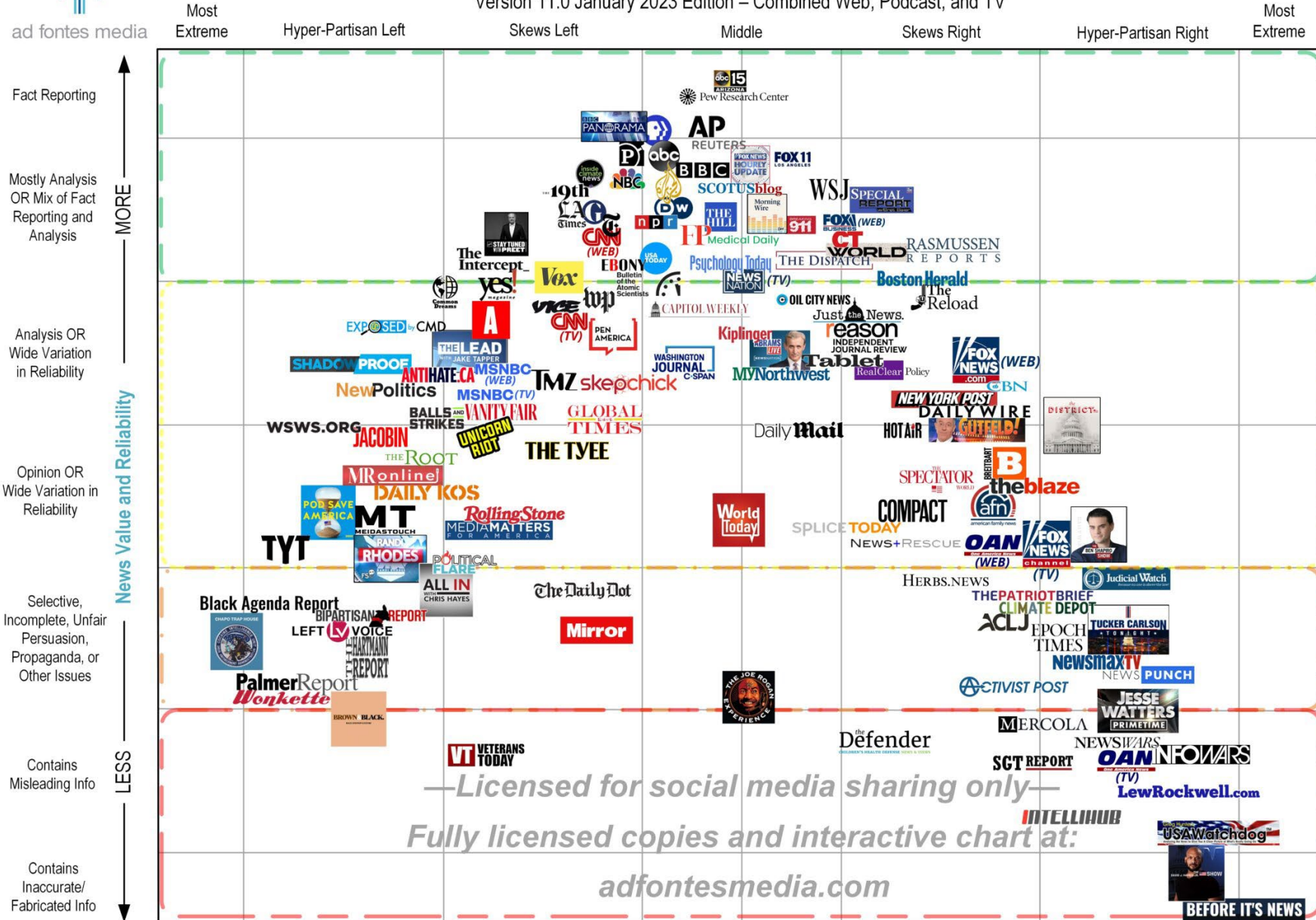
Filters applied: from 2019 - 3000/12/12. Clear all

- Long **covid**-mechanisms, risk factors, and management.
 - 1 Crook H, Raza S, Nowell J, Young M, Edison P.
 - Cite BMJ. 2021 Jul 26;374:n1648. doi: 10.1136/bmj.n1648.
 - PMID: 34312178 Review.
 - Share Studies have shown that long **covid** can affect the whole spectrum of people with **covid-19**, from those



The Media Bias Chart[®]

Version 11.0 January 2023 Edition – Combined Web, Podcast, and TV



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Setting the right tone...educate yourself, 1st!

- Common myths/misconceptions that you'll encounter
 - Mercury/other harmful additives/chemicals in vaccines
 - Vaccines cause autism
 - Vaccines cause disease instead of prevent it
 - Vaccines aren't thoroughly tested before being used
 - Vaccines are inherently unsafe products (look up VAERS!)
 - I don't need a vaccine, I keep myself healthy and fit
 - I can boost my immune system naturally, instead of needing vaccines
 - This illness isn't serious enough to worry about, so I don't need to risk getting a vaccine for it
 - Getting sick now will give me a better resistance against future infections than a vaccine can provide for me
 - If I get sick, I can take medication to help me get over it – so I don't need a vaccine
 - This vaccine will change my DNA, so it might make me infertile or give me cancer!
 - Vaccines are just a way for Big Pharma to make money

Avoiding bad situations...

- Be careful! Think about whom you're interacting with, and how those interactions might be altered/used.
- Don't engage in debates or frivolous back and forth – it creates false equivalency.
- Be mindful of what information you put out, including personal information (DOXXING).
- If there is nothing to be gained in an interaction (or potential negative outcomes), don't be afraid to walk away from that interaction.

DOXXING

What is doxxing?

Publishing a victim's identity information with the intention to harass, threaten or abuse. Often seen as part of "online vigilantism" campaigns.

What is identity information?

Any information that can identify an individual. This includes:

- the individual's name and contact details
- information about the individual's family, employment or education
- any photos or videos that identify the individual





AMA UPDATE

Why science isn't up for debate with Peter Hotez, MD, PhD

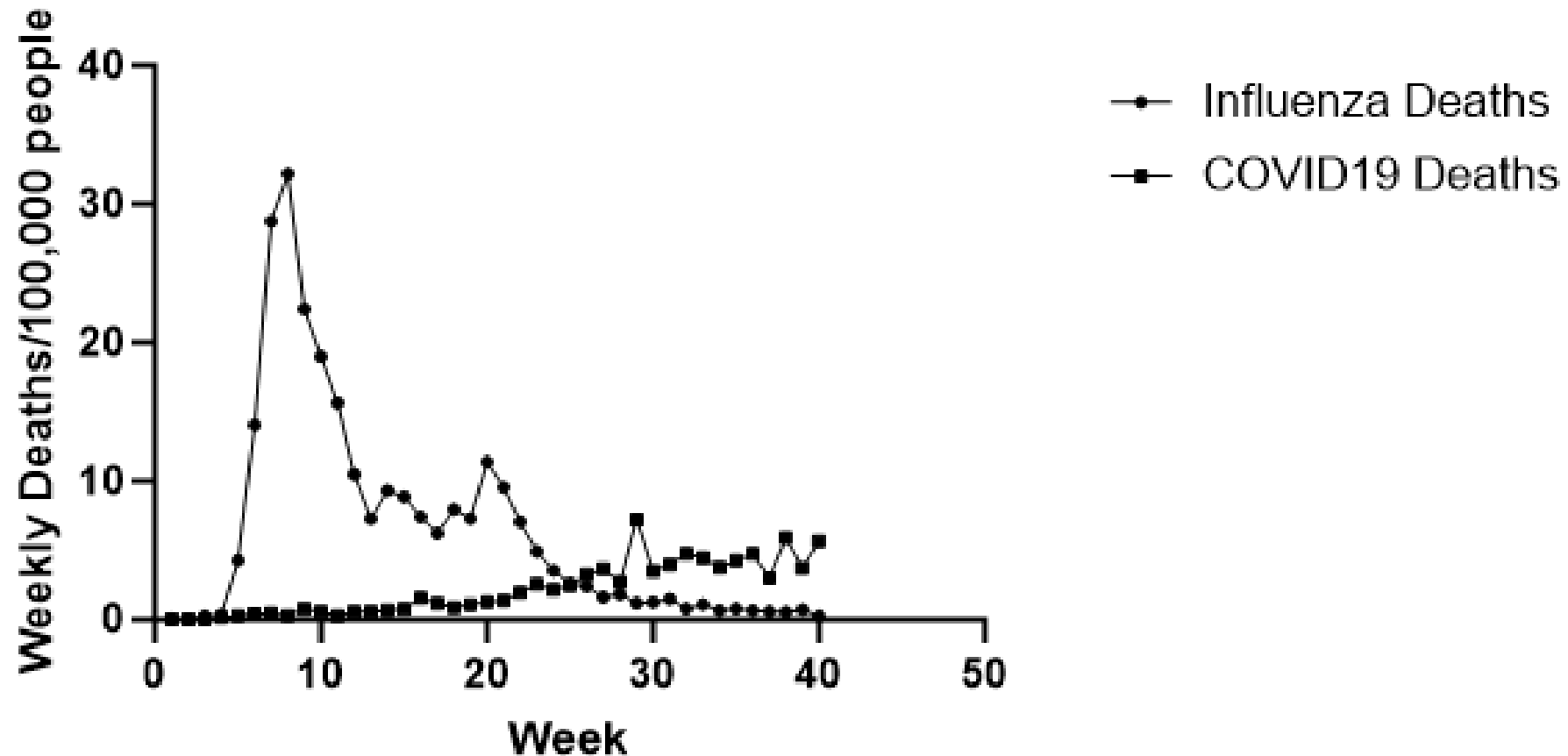


Dr. Peter Hotez on the anti-science movement and declining Joe Rogan's debate challenge

24:02

Final takeaway (silver lining?)...

- Despite problems, COVID19 pandemic was different from the 1918 influenza pandemic



Final takeaway (silver lining?)...

- Some education and steps taken filtered down and took root
- Nurture the things that worked, find and weed out the things that didn't
- Keep on fighting the good fight!

