

# Formas de negacionismo

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# Fenômenos relacionados

- Negação da ciência
- Pseudociência
- Pós-verdade
- Fatos alternativos
- Discursos revisionistas

# THE DEATH OF EXPERTISE

The Campaign Against  
Established Knowledge  
and Why it Matters

TOM NICHOLS

## Tempos perigosos

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- Nunca tivemos tanto acesso à informação, mas nunca tanta gente rejeitou as evidências
- Isso não é mero ceticismo, mas um sintoma da *morte da expertise*

# A morte da expertise

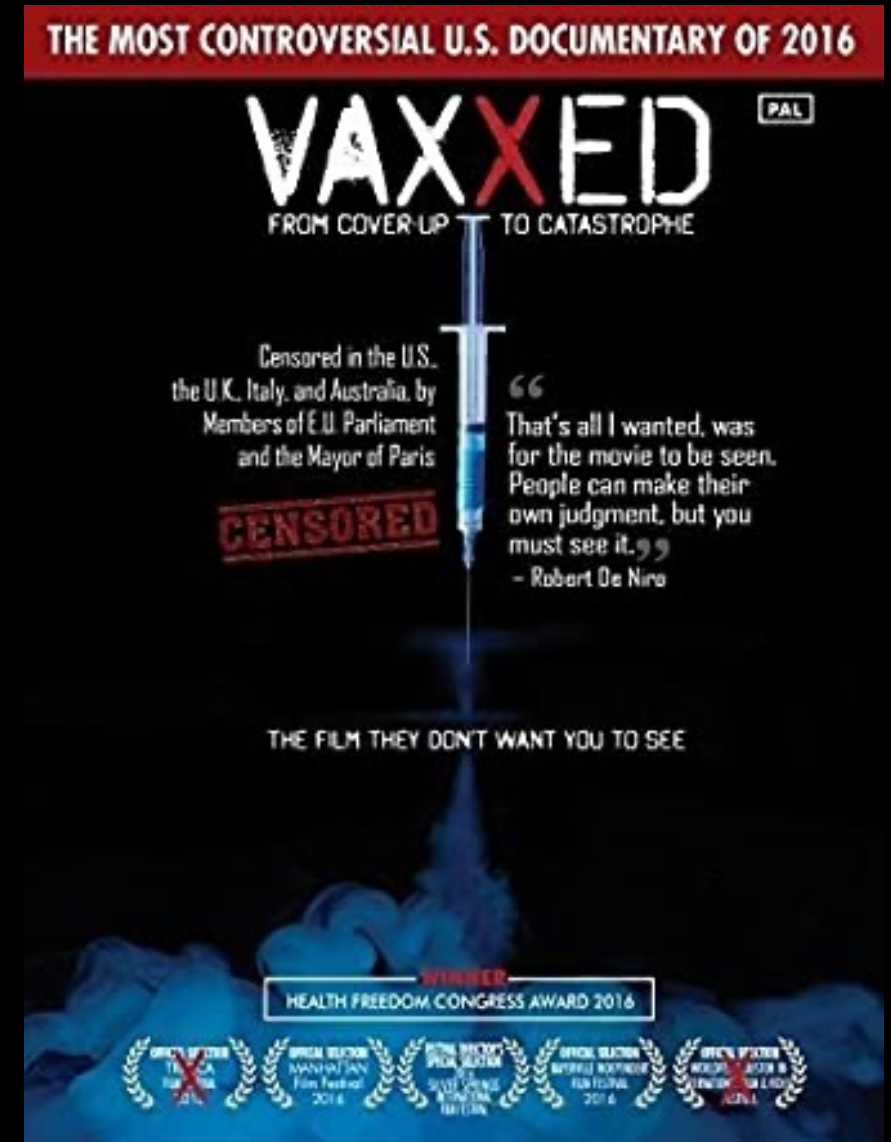
- Não rejeitamos o USO dos experts como técnicos quando necessário
  - Médicos
  - Engenheiros
  - Pilotos
- Mas rejeitamos o diálogo com os experts
  - Ciência
  - Racionalidade
  - Pensamento crítico

# A crença por detrás da morte da expertise

- Somos todos iguais
  - *“Possuir iguais direitos em um sistema político significa também que a opinião de cada pessoa sobre qualquer coisa deve ser aceita como igual a de qualquer outra.”* (Nichols)
- Qual a relação ideal entre experts e cidadãos numa democracia?

# Dirigido por Andrew Wakefield

- Ex-pesquisador e ex-cirurgião britânico
- Teve licença médica cassada
- Artigo de 1998 na revista *The Lancet*
- Censura?
  - Tudo vale em nome da arte, do livre discurso e da verdade?



# British Medical Journal, jan. 2011

## Wakefield's article linking MMR vaccine and autism was fraudulent

Clear evidence of falsification of data should now close the door on this damaging vaccine scare

### FEATURE, p 77

**Fiona Godlee** editor in chief, *BMJ*, London, UK

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**Jane Smith** deputy editor, *BMJ*, London, UK

**Harvey Marcovitch** associate editor, *BMJ*, London, UK

Cite this as: *BMJ* 2011;342:c7452  
doi: 10.1136/bmj.c7452

"Science is at once the most questioning and . . . sceptical of activities and also the most trusting," said Arnold Relman, former editor of the *New England Journal of Medicine*, in 1989. "It is intensely sceptical about the possibility of error, but totally trusting about the possibility of fraud."<sup>1</sup> Never has this been truer than of the 1998 *Lancet* paper that implied a link between the measles, mumps, and rubella (MMR) vaccine and a "new syndrome" of autism and bowel disease.

Authored by Andrew Wakefield and 12 others, the paper's scientific limitations were clear when it appeared in 1998.<sup>2-3</sup> As the ensuing vaccine scare took off, critics quickly pointed out that the paper was a small case series with no controls, linked three common conditions, and

relied on parental recall and beliefs.<sup>4</sup> Over the following decade, epidemiological studies consistently found no evidence of a link between the MMR vaccine and autism.<sup>5-8</sup> By the time the paper was finally retracted 12 years later,<sup>9</sup> after forensic dissection at the General Medical Council's (GMC) longest ever fitness to practise hearing,<sup>10</sup> few people could deny that it was fatally flawed both scientifically and ethically. But it has taken the diligent scepticism of one man, standing outside medicine and science, to show that the paper was in fact an elaborate fraud.

In a series of articles starting this week, and seven years after first looking into the MMR scare, journalist Brian Deer now shows the extent of Wakefield's fraud and how it was perpetrated. Drawing on interviews, documents, and data

# Wakefield e Robert De Niro



## In The Media





"Não é irônico que, em 1983, houvesse 10 aplicações (nos EUA) e, agora, haja 36, e o aumento do autismo tenha acontecido ao mesmo tempo?"



# Is Gwyneth Paltrow's Goop pseudoscience winning?

Goop has been called out for bullshit over and over. But the brand seems to be stronger than ever.

By Julia Belluz | @juliaoftoronto | Updated Jul 27, 2018, 3:20pm EDT

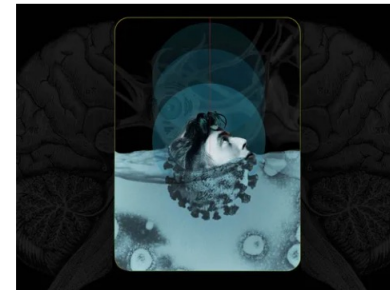


SHARE



A small army of journalists, doctors, researchers, and bloggers pounce on Goop's crazy claptrap almost as soon as it's published. Yet the Goop empire has only expanded. | Photo by Laura Murdoch Jr. /Getty Images for goop

## MOST READ



Psychiatrists are uncovering connections between viruses and mental health. They're surprising.



# Quais as causas da negação?

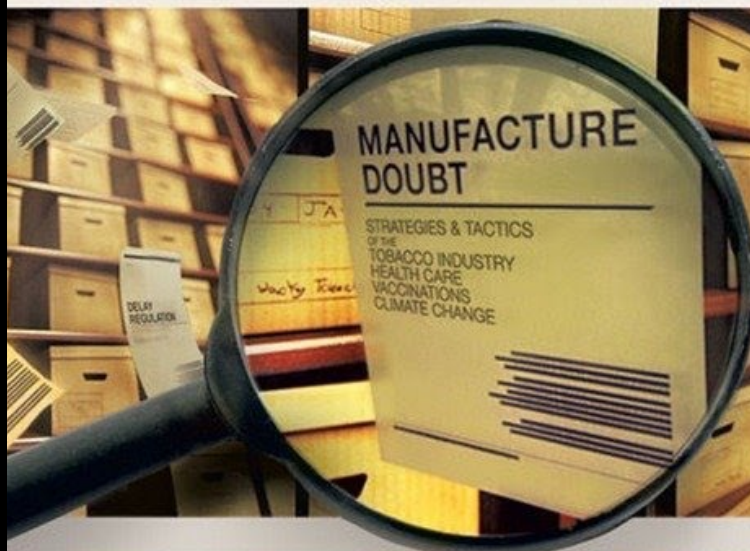
## Por parte dos leigos

- Ignorância?
- Arrogância?
- Internet?
  - “Câmara de eco”

## Por parte dos cientistas

- Poder?
- Dinheiro?
- Fama?
- Autoengano?

# MERCADORES DA DÚVIDA



Featuring a new  
Foreword by former Vice  
President AL GORE, author  
of *An Inconvenient  
Truth*

"Important and timely. We ignore this message  
at our peril." —ELIZABETH KOLBERT, author of  
*The Sixth Extinction*

# Merchants of DOUBT

How a Handful of Scientists Obscured  
the Truth on Issues from  
Tobacco Smoke to Climate Change

NAOMI ORESKES  
& ERIK M. CONWAY

With a new Postscript by the authors

ALGONQUIN

Infelizmente,  
experts erram...

