

The views and opinions expressed by
the speaker may not necessarily
reflect those of the Idaho Department
of Health and Welfare

Presentation by Elena Conis at Shot Smarts Conferences 2018



Edward Jenner, 1749 - 1823

Lady Mary Wortley Montagu



[60]

grafting, which is the term they give it. There is a set of old women, who make it their business to perform the operation, every autumn, in the month of September, when the great heat is abated. People send to one another to know if any of their family has a mind to have the small pox; they make parties for this purpose, and when they are met (commonly fifteen or sixteen together) the old woman comes with a nut-shell full of the matter of the best sort of small-pox, and asks what veins you please to have open'd. She immediately rips open that, you offer to her, with a large needle (which gives you no more pain than a common scratch) and puts into the vein, as much matter as can lie upon the head of her needle, and after that, binds up the little wound
with



Compulsion Begins! with Napoleon, in 1805

F. Gerard, *Battle of Austerlitz*, 1810

Compulsory edicts:

- 1810, Denmark
- 1812, Sweden
- 1818, German States
- 1835, Prussia
- 1872, South Australia
- 1874, Romania
- 1876, Hungary
- 1882, Tasmania
- 1891, Italy

Not compulsory:

- Belgium
- France*
- Norway
- Portugal
- Russia
- Spain
- Turkey

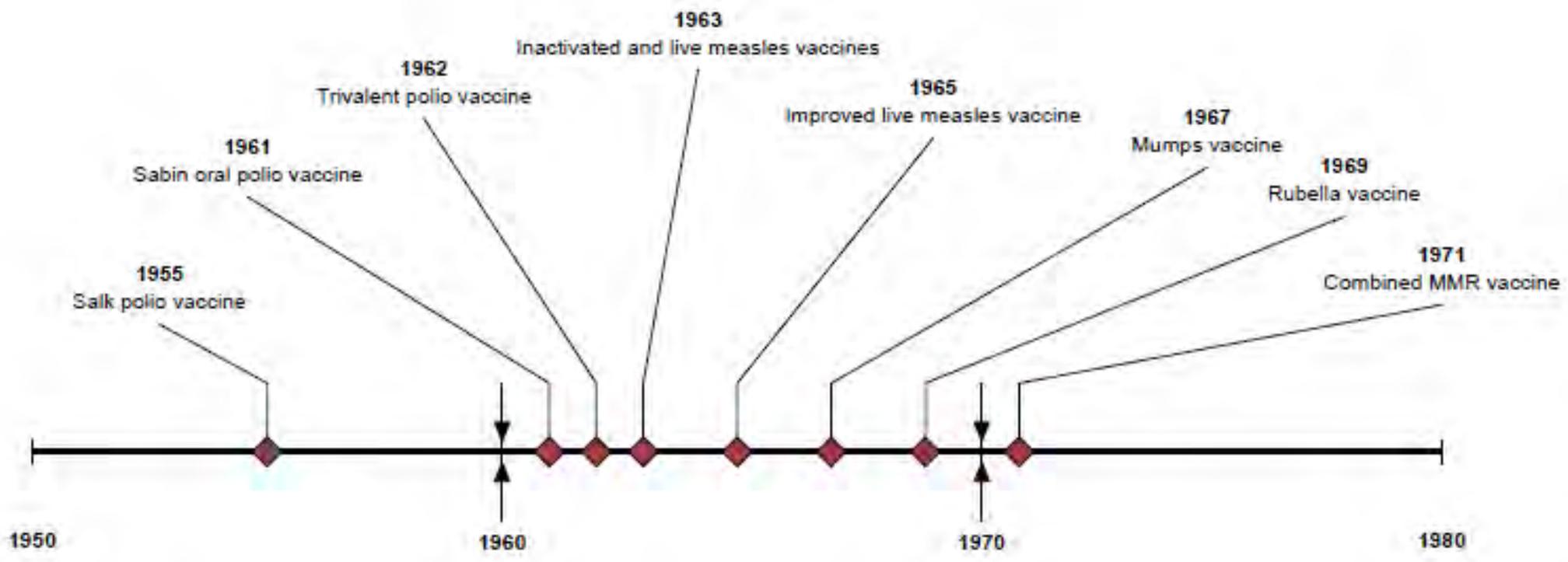


Compulsory edicts:
Massachusetts, 1855...



...but most states left it to local governments
and health boards.

...and governments and health boards usually waited until the threat of an epidemic neared.





**STEVE
McQUEEN**

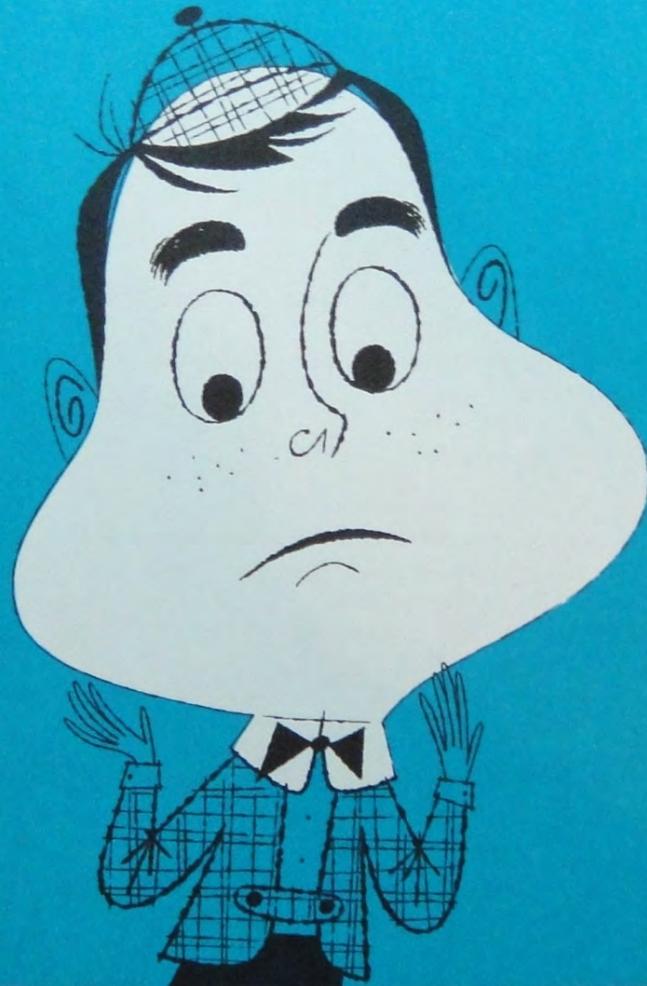
BULLITT

ROBERT VAUGHN
JACQUELINE BISSET

DON GORDON
ROBERT DUVAL
SIMON OAKLAND
NORMAN FELL



mumps





'IT ONLY HURTS WHEN WE SWALLOW'

Moe, a 7-year-old Cocker Spaniel, is a very sympathetic pooch. He's so sympathetic that he has contracted the mumps just like his owner, Mrs. Charlotte Meyer, of Covington, Ky. Both dog and owner are confined to the home and diets of liquids. (UPI Telephoto)

Daily Defender
(Dec 31, 1963) p.A4, col.2



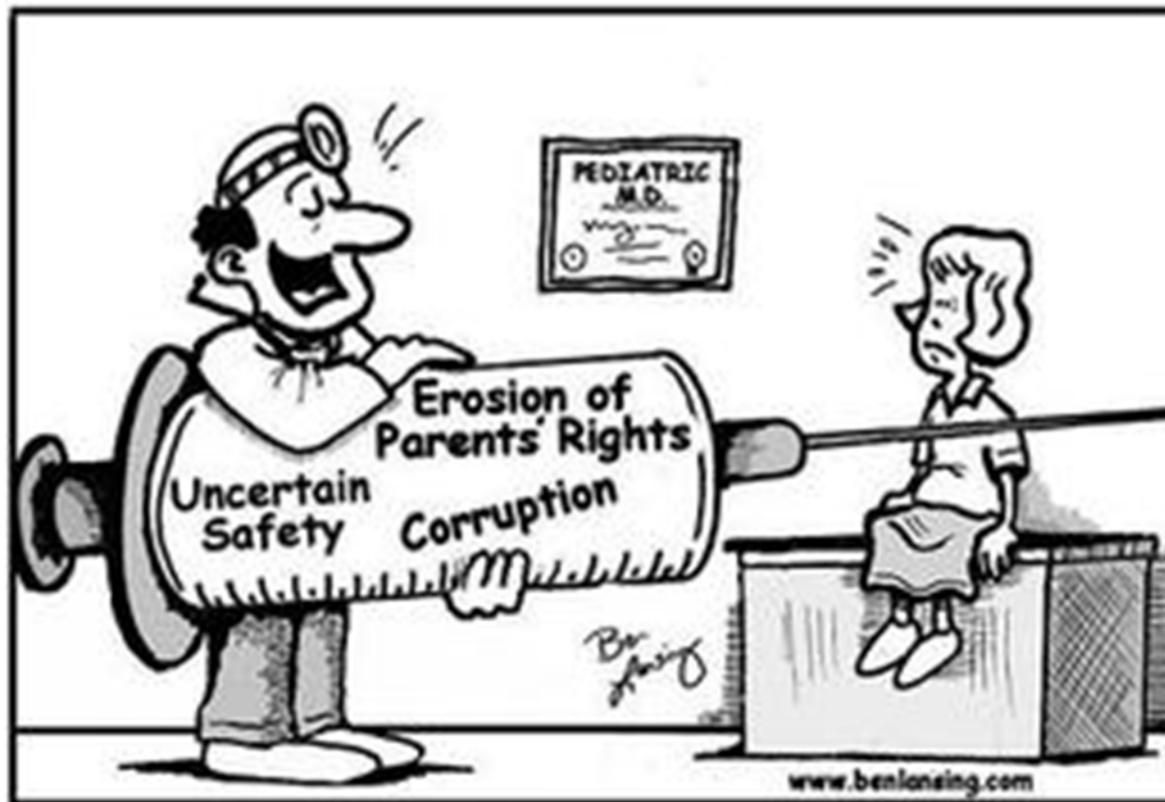






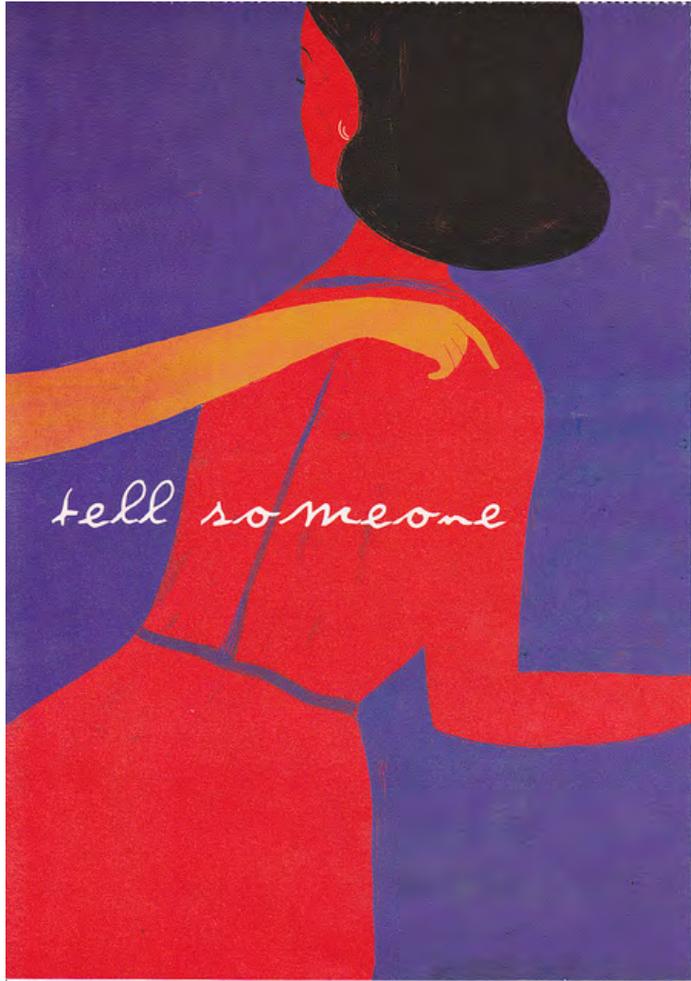
Robert Weibel, MD, vaccinating Hilleman's daughter, Kirsten, while her half-sister, Jeryl Lynn, looks on. Courtesy of *History of Vaccines*

Why did the HPV vaccine stimulate so much controversy?



"This new mandatory STD vaccine shouldn't hurt a bit."

NVIC newsletter, 7/7/08

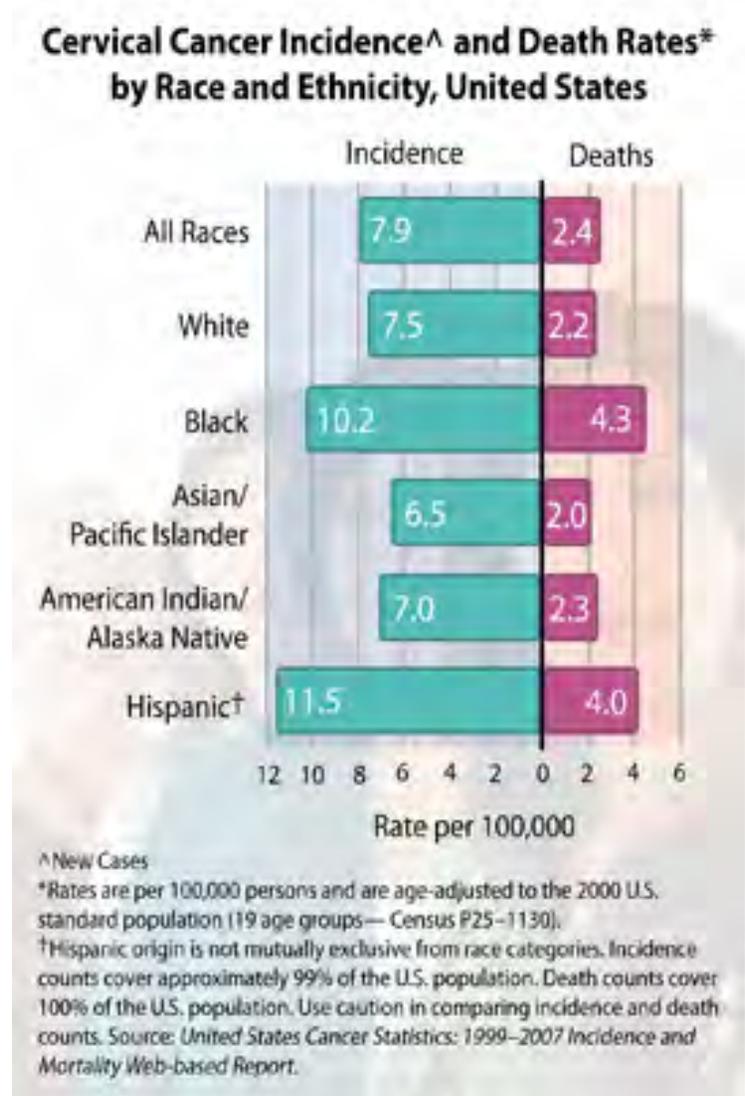


The Summer of Gardasil

- Gardasil, first vaccine against human papillomavirus, approved June 8, 2006
 - “Priority review” by FDA
 - Protected against 4 (of >150) HPV strains
 - HPV 6, 11 → cause 90% of genital warts
 - HPV 16, 18 → associated with 70% of cervical cancers
- ACIP recommendations, June 30, 2006
 - Vaccinate girls at age 11-12
 - “Catch-up” vaccinate females aged 13-26

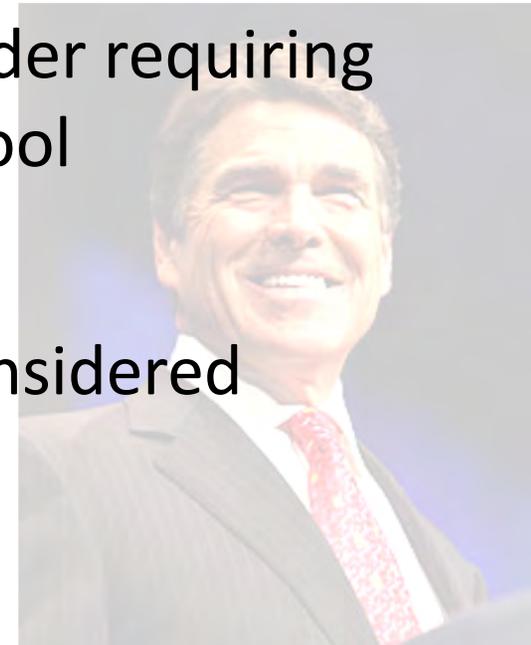
Why all the media attention?

- “First vaccine to prevent cancer”
- Possibility of “cancer eradication”
- Address racial cancer disparities
- Address a serious global killer
 - 2nd leading cause of cancer deaths in women
- Promised \$3 billion annually in sales for Merck



The Year of Gardasil

- September 2006
 - Michigan: legislature proposes requiring HPV for all 6th grade girls to enroll in school
- November 2006
 - Texas: Gov Rick Perry issues executive order requiring HPV for all 6th grade girls to enroll in school
- 2007
 - Two dozen additional state mandates considered
 - Virginia alone enacts



The Claim:

Gardasil undermined Christian values



The Claim:

Gardasil infringed on parental rights

- “The decision... to vaccinate a minor against this or any other sexually transmitted infection ...should remain with the child’s parent or guardian.” – Focus on the Family
- “Parents should be allowed to exercise informed consent to vaccination.” – NVIC

The Claim:

School vaccine laws aren't for STDs

- “It makes sense to me to require school children to have immunization to measles, chicken pox, and polio...because these are highly contagious diseases readily spread in a classroom...” But mandating HPV for school “is patently outrageous.”

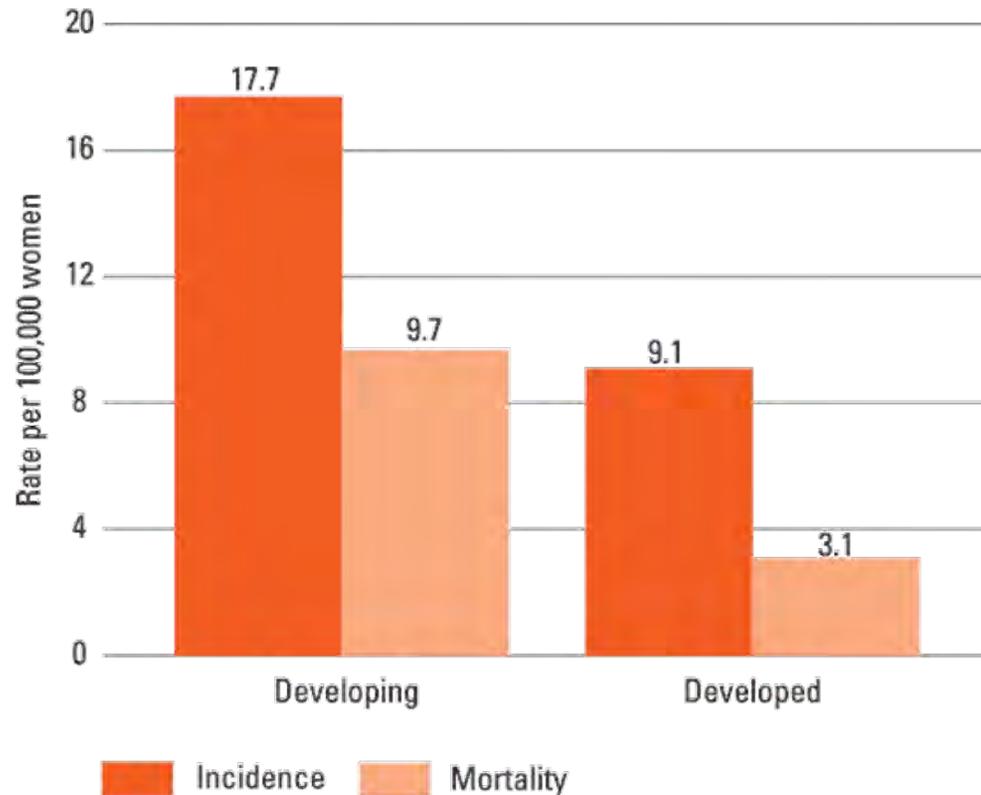
- “Dr. Laura,” 2007



The Claim: Gardasil wouldn't serve most in need

MORE CANCER, MORE DEADLY

The incidence of cervical cancer is twice as high in the developing world than in the developed world, and mortality is three times as high.



Source: Reference 2.

The Claim:

Gardasil is pharmaceutical overkill

- “Is a disease that kills fewer than 4,000 U.S. women a year a big enough risk to warrant vaccinating millions of girls?”
 - MaryAnna Clemons, letter to the editor of the *San Francisco Chronicle*, March 12, 2007

The Claim:

Gardasil is pharmaceutical overkill

- “Is a disease that kills fewer than 4,000 U.S. women a year a big enough risk to warrant vaccinating millions of girls?”
 - MaryAnna Clemons, letter to the editor of the *San Francisco Chronicle*, March 12, 2007
- “If this were a vaccine to eliminate **breast cancer**, we would not be having this debate.”
 - Ed Hernandez, California lawmaker

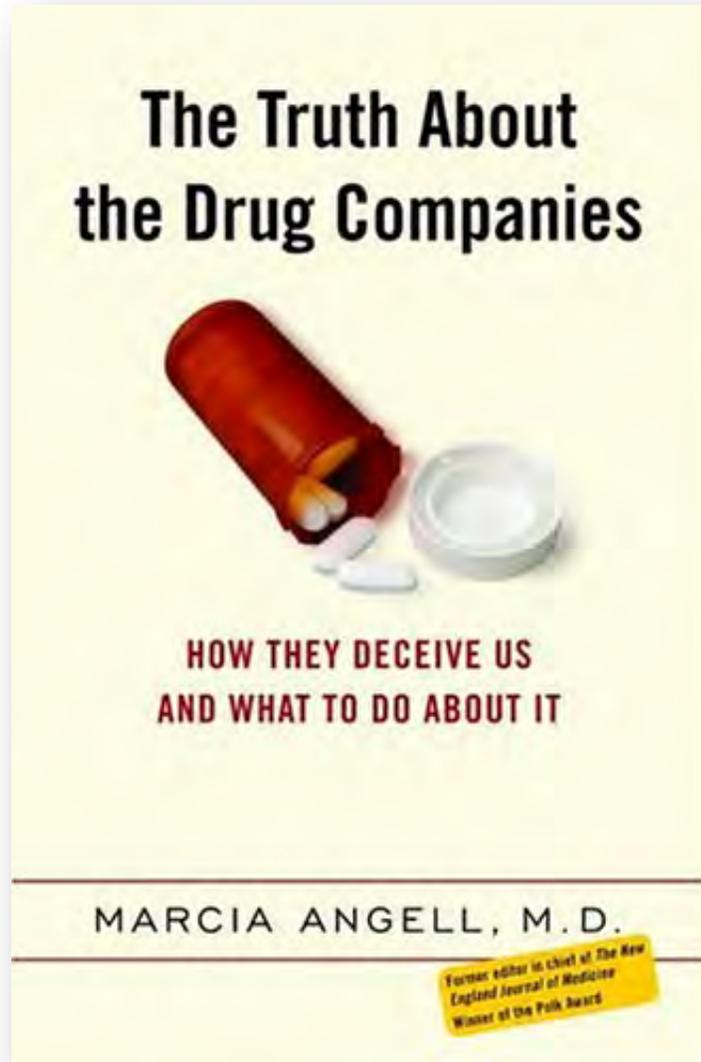
The Claim:

HPV mandates are baldly corrupt

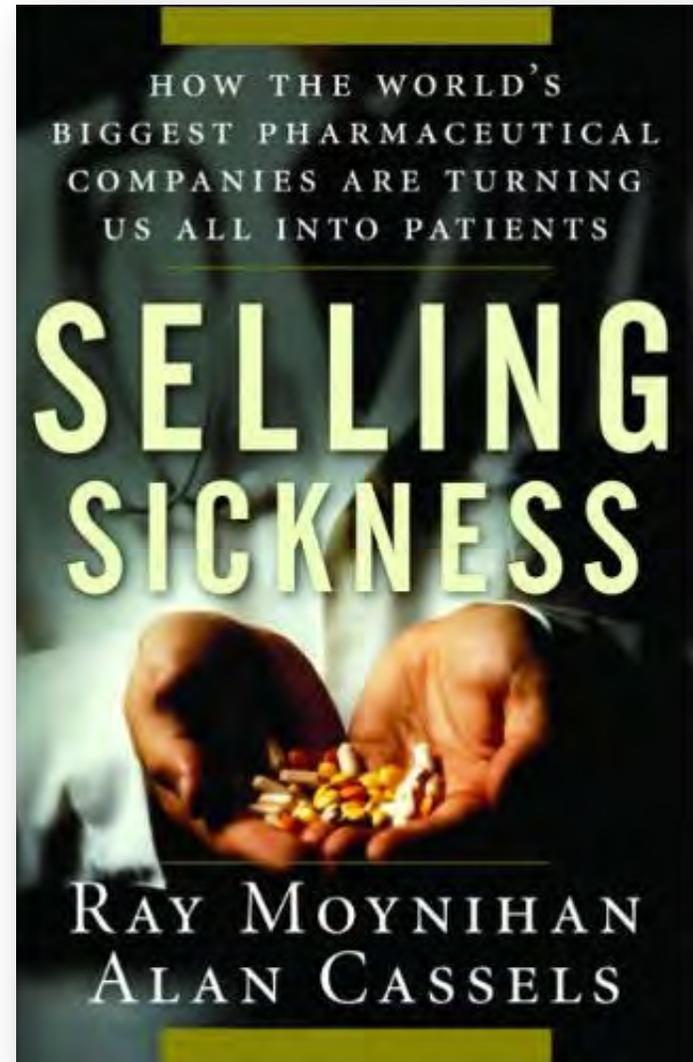
- “What kind of people supply schoolgirls to a pharmaceutical company, allowing it to earn millions a year on such mandates?”
 - Elizabeth Beiter, Milford, CT, letter to the editor, *New York Times*, Feb 10, 2007

Why did the HPV vaccine stimulate so much controversy?

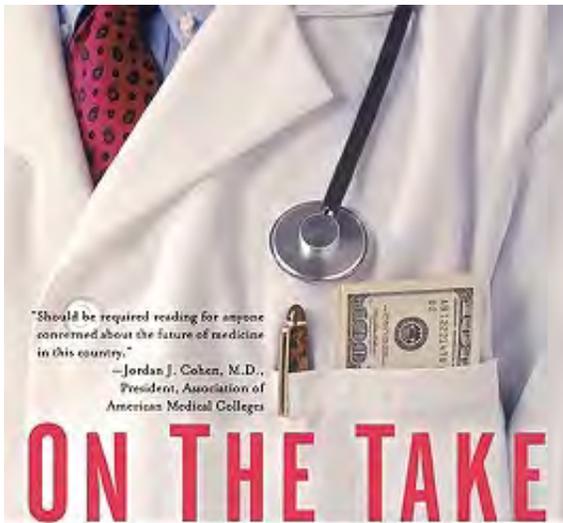
What do **you** think?



2005



2005



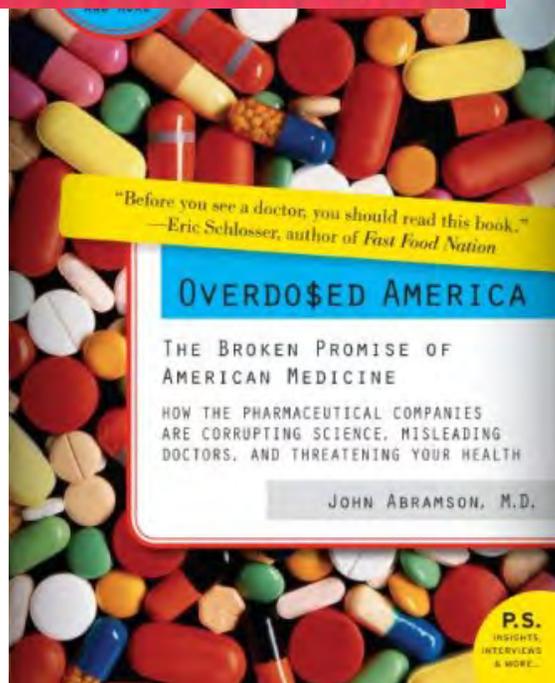
"Should be required reading for anyone concerned about the future of medicine in this country."

—Jordan J. Cohen, M.D.,
President, Association of
American Medical Colleges

ON THE TAKE

HOW MEDICINE'S COMPLICITY
WITH BIG BUSINESS
CAN ENDANGER YOUR HEALTH

JEROME P. KASSIRER, M.D.



"Before you see a doctor, you should read this book."
—Eric Schlosser, author of *Fast Food Nation*

OVERDOSED AMERICA

THE BROKEN PROMISE OF
AMERICAN MEDICINE

HOW THE PHARMACEUTICAL COMPANIES
ARE CORRUPTING SCIENCE, MISLEADING
DOCTORS, AND THREATENING YOUR HEALTH

JOHN ABRAMSON, M.D.

P.S.
INSIGHTS,
INTERVIEWS
& MORE...



Big Pharma

How the world's
biggest drug companies
market illness

JACKY LAW

"Throw[s] a fresh and fascinating light on a part of
modern life that we take for granted but that is, when
seen clearly, deeply disturbing." — MICHAEL POLLAN

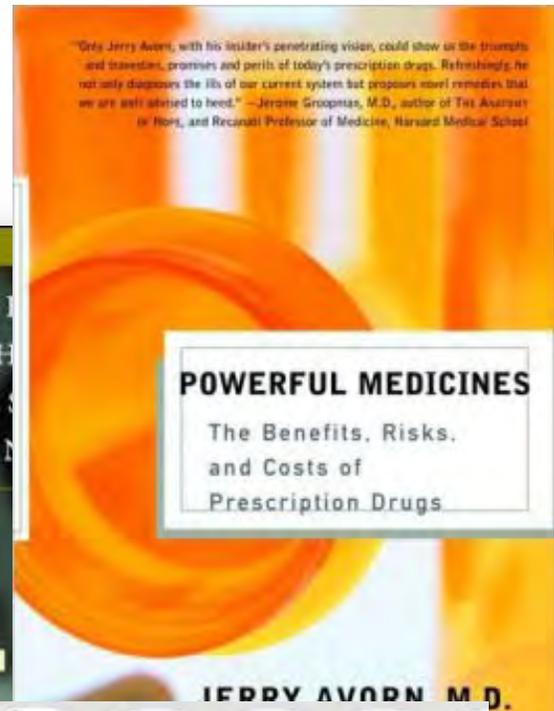
GENERATION



HOW PRESCRIPTION DRUGS
ARE ALTERING AMERICAN
LIVES, MINDS, AND BODIES

GREG CRITSER

AUTHOR OF *FAT LAND*

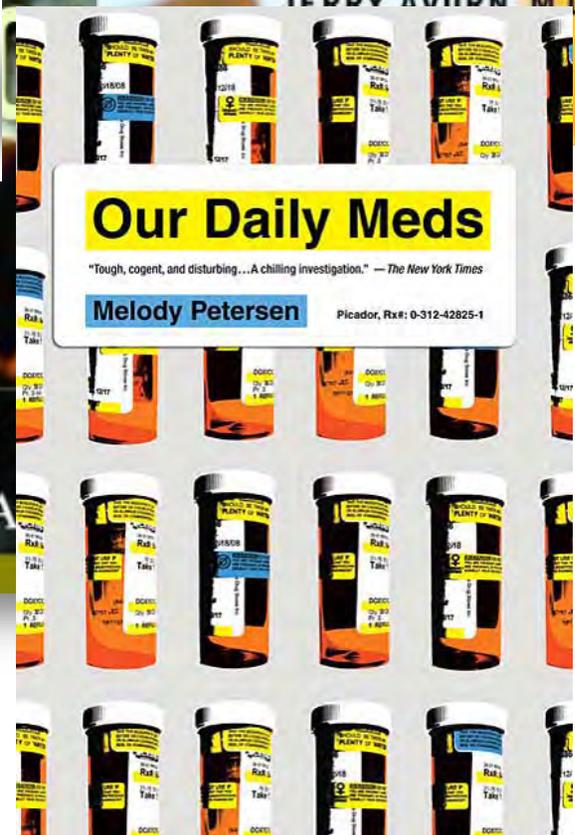


"Dr. Jerry Avorn, with his insider's penetrating vision, could show us the triumphs
and failures, promises and perils of today's prescription drugs. Refreshingly, he
not only diagnoses the ills of our current system but proposes novel remedies that
we are well advised to heed." — Jerome Groopman, M.D., author of *The Accusers*
(a novel), and Recanati Professor of Medicine, Harvard Medical School

POWERFUL MEDICINES

The Benefits, Risks,
and Costs of
Prescription Drugs

JERRY AVORN, M.D.



Our Daily Meds

"Tough, cogent, and disturbing...A chilling investigation." — *The New York Times*

Melody Petersen

Picador, Rx: 0-312-42825-1







Abstinence



Age	HepB Hepatitis B	DTaP/Tdap Diphtheria, tetanus, pertussis (whooping cough)	Hib <i>Haemophilus influenzae</i> type b	IPV Polio	PCV Pneumococcal conjugate	RV Rotavirus	MMR Measles, mumps, rubella	Varicella Chickenpox	HepA Hepatitis A	HPV Human papillo- mavirus	MCV4 Meningococcal conjugate	Influenza Flu	
Birth	✓												
2 months	✓ (1-2 mos)	✓	✓	✓	✓	✓							
4 months	✓	✓	✓	✓	✓	✓							
6 months	✓ (6-18 mos)	✓	✓	✓ (6-18 mos)	✓	✓							
12 months		✓	✓		✓								
15 months		(15-18 mos)	(12-15 mos)		(12-15 mos)								
18 months			Catch-up			Catch-up							
19-23 months			Catch-up			Catch-up							
4-6 years		✓		✓			✓	✓				✓ (One dose each fall or winter to all people ages 6 mos and older)	
7-10 years	Catch-up	Catch-up											
11-12 years		✓ Tdap		Catch-up					Catch-up	✓✓✓	✓		
13-15 years		Catch-up (Tdap)								Catch-up			
16-18 years										Catch-up	✓		

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