

4

Discuss the history of vaccine hesitancy and Analyze strategies for addressing **Objectives** ambivalence and vaccine hesitancy with patients at the medical encounter. Improve confidence and common addressing common vaccine concerns. Improve confidence and comfort

Comparison of 20<sup>th</sup> Century Annual Morbidity and Current Morbidity: Vaccine-Preventable Diseases 20th Century 2023 Annual Morbidity† Reported Cases †† 29,005 100% Mumps 162,344 200,752 16,316 152 97% > 99%

3

MarketWatch	Latest Watchfist Markets Investing Personal Finance Economy Retirement How to	The New York Times
	ldren to be vaccinated o in Africa after outbreak	First Polio Case in Nearly a Decade Is Detected in New York State  A man who lives in Rockland County was infected by someone who received the oral polio vaccine, which is no longer used in the
Jerusalem Post > Health & Wellness	CORONAVIRUS ISRAEL NEWS WORLD NEWS MIDDLE EAST BUSINESS & INNOVATIO	M United States, officials said.
iceberg - Hea	nt polio outbreak is tip of the lth Min. D-G seneral Nachman Ash stressed that pollo can be eradicated ss.	Polio makes a comeback in the Philippines 19 years after the country was declared free of the disease  One of the disease (No. (1) the Market IN 1970
By 103FM Published: APRIL 5, 202	211:11 @0#0	CHARGEST OF MANAGESTA
	s across Europe continue to surge, millions of children at risk	CIDRAP Center for Infectious Disease Research and Policy  News & Perspective Infectious Stease Toyles Administrated Stewardship Ongoing Program  FELTIFIED MEIN STIPPICS COVID-19 Flu Vaccines Rosomap MERS-COV Chronic Vasting Disease
Rapid response to measles o	utbreak is critical, as cases this year predicted to soon exceed total number reported in 2023	US measles cases hit 1,234 as Brooklyn outbreak called over
	28 May 2024	



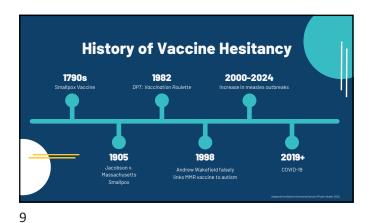
6 5

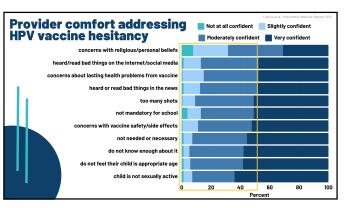
CPO It might be worth adding a slide right after this like the one I have in other talks on the resurgence of VPDs (like polio and measles) around the world and now in the U.S. These diseases still circulate, and are only a plane ride away.

Carson, Paul, 2024-07-02T13:59:38.072









10

Information In general, how much do you trust ea	ch of the fo	ollowing to provide reliable informa	tion about vaccines?	
A great deal A fair amount	Not much	Not at all		
Your own doctor or health care provider	43%	39%	%	14%
Your child's pediatrician*	40%	44%		10% 69
A pharmacist	32%	45%		16% 7%
The CDC	30%	34%	22%	14%
Your local public health department	27%	41%	21%	11%
The FDA	26%	35%	24%	14%
Your health insurance company**	25%	42%	23%	9%
Your child's school or daycare***	15%	41%	27%	16%

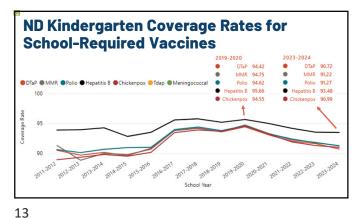
Parents are less concerned than we think

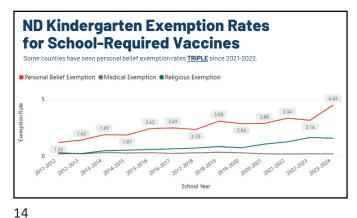
Parent and provider perspectives on immunization: Are providers overestimating parental concerns?

C. Mary Healy \*\*C\*\*, Diana P. Montesinos \*\*C\*\*, Amy B. Middleman\*\*

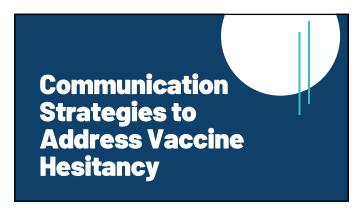
\*\*Department of Professional Series of English Series o

11 12











None of the interventions increased parental intent to vaccinate a future child. Which message worked the best to Decreased intent to vaccinate increase vaccination rates for MMR? in the most hesitant parents. A) Corrective information about lack of evidence for MMR causing autism Text describing dangers of diseases Increased belief in a prevented by MMR vaccine vaccine/autism link. Images of children with diseases MMR vaccine prevents Increased belief in serious D) Narrative of near-death experience of an vaccine side effects. infant with measles

17 18

CPO I would consider adding a slide right after this with the similar data from the NDDHHS website on the rise of non-medical exemptions in the state

Carson, Paul, 2024-07-02T14:01:31.931

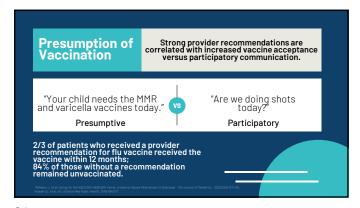
### Slide 18

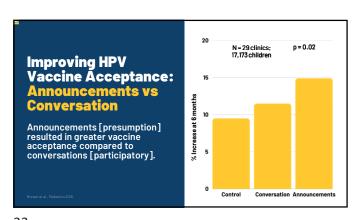
**be0** I really like the extra explanation in this slide about how the interventions made things worse

beccajobakke@gmail.com, 2024-07-08T13:38:38.920











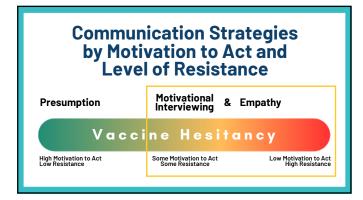


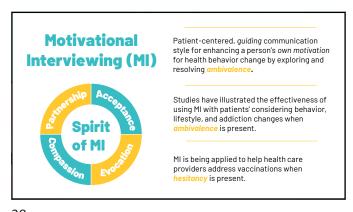
**be0** This graph is confusing to me, not sure what "% increase at 6 months" means exactly, might need some notes

beccajobakke@gmail.com, 2024-07-08T13:45:49.236









27 28





29 30

# **Communication Techniques**

#### Open-Ended Questions

"You aren't sure about the HPV vaccine today. What worries you?

#### **Ask Permission** to Share

"Can I share some information that I think might ease your mind?"

#### Reflect Back

"You are really worried about the ingredients in vaccines.

#### Personal Recommendation

"My own children have gotten the vaccine, and I recommend it to all of my patients."

#### Honor **Ambivalence**

"So you don't want her to get cervical cancer, and you are worried about the long term effects of this vaccine. Many parents feel that way."

#### Support Autonomy

"He is your child and this is

## **MI-Consistent Strategies to Consider**

1. Scaling Questions: Importance, Confidence, and Readiness

2. Elicit-Provide-Elicit (E-P-E)

32

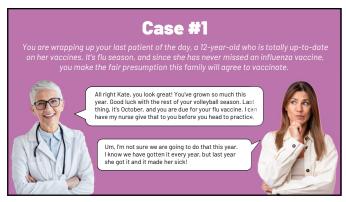


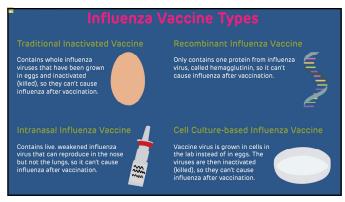
31



SCALING QUESTIONS 0 - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 9 - 10 Limited intervention Elicit patient's motivation to change "On a scale of "Why did you say 5 and not a 0 to 10, how lower number, like 4?" important is it for you to get "What would it take to get you the vaccine today?" to a higher number, like 6?

34





35 36

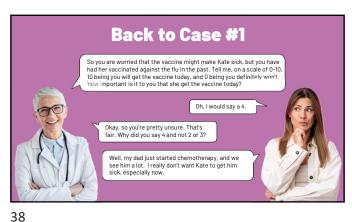
CP0 I think if you are short on time and space, this slide and the next might be optional. And if used, might consider putting them after slide 37 to as info for the "other ideas" the doctor might share. They could also be moved later under the "EPE" section as an example of the "P"

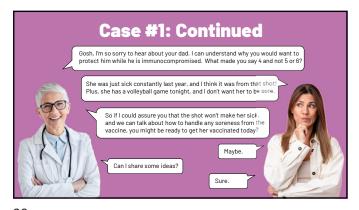
Carson, Paul, 2024-07-02T14:07:20.244

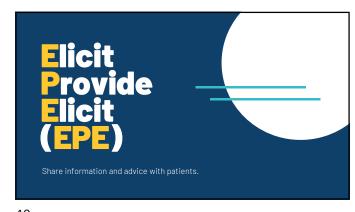
**be0 0** I like them here! Similar to what we are doing with the other cases, it's like a pause to remind providers the background of these myths and how to debunk.

beccajobakke@gmail.com, 2024-07-08T13:47:06.518

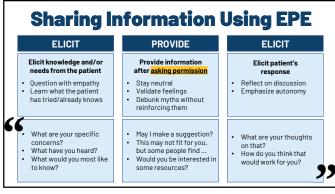








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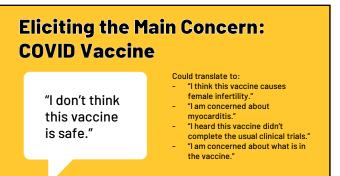


Eliciting the Main Concern:
Varicella Vaccine

Could translate to:
- "My child has already had chickenpox."
- "I don't think chickenpox is that bad."
- "I'm pregnant and I'm not sure about my child getting a live vaccine."

"I'm pregnant and I'm not sure about my child getting a live vaccine."

41 42

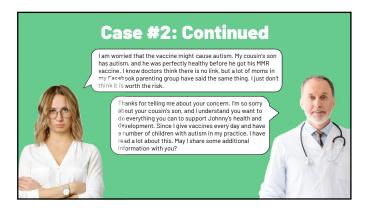


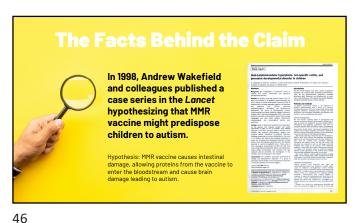
Case #2

The nurse just told me that Johnny is due for his MMR shot today. I'm don't think I want him to have that.

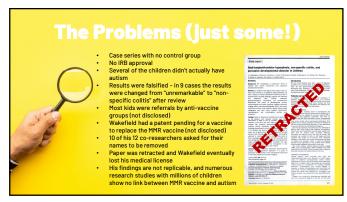
You have some concerns about the MMR vaccine. What is worrying you?

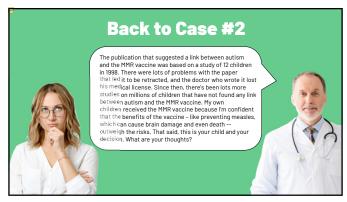
43 44





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47 48

**be0** Is this too long of an explanation? Will it lose people? (I know I wrote it!) Hard to summarize this in a brief conversation though.

beccajobakke@gmail.com, 2024-07-08T13:48:46.191





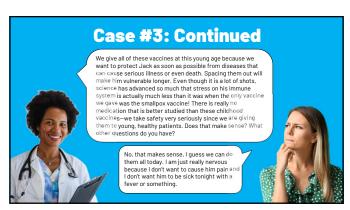
Vaccine Schedules Through Time							
	Prior to 1960	1980	2021				
Diseases protected against	Smallpox	Diphtheria, Tetanus, Pertussis, Polio, Measles, Mumps, and Rubella	Diphtheria, Tetanus, Pertussis, Polio, Measles, Mumps, Rubella, Hib, Pneumococcus, Rotavirus, Influenza, Hepatitis A, Hepatitis B, and Varicella				
Antigenic exposure	200	3,041	149-157 (depending on certain versions of vaccines)				

Spacing Out Vaccines:
The Problems

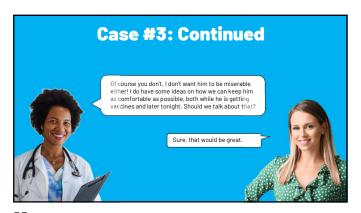
More time in between vaccines leaves infants and children vulnerable to deadly disease for a longer period of time
Vaccine errors more likely
Excessive appointments mean more missed work and school, and can overwhelm healthcare systems during busy times
More clinic visits = more exposures to infectious diseases in busy waiting rooms
Infectious diseases in busy waiting rooms
Multiple appointments can be more stressful for kids

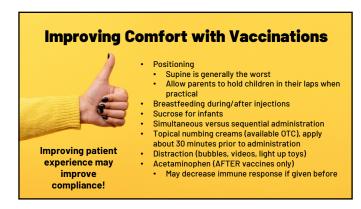
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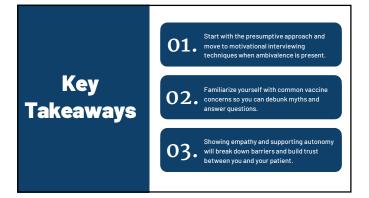




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