





Talking about vaccines

- Effective, empathetic communication is critical in responding to parents who are considering not vaccinating their children
 - Parents should be helped to feel comfortable voicing any concerns or questions they have about vaccination
 - Providers should be prepared to listen and respond effectively

"A successful discussion about vaccines involves a two-way conversation, with both parties sharing information and asking questions."

Talking with Parents about Vaccines for Infants (CDC)

www.cdc.gov/vaccines/hcp/conversations/downloads/talk-infants-color-office.p



Ask

Ask questions

- Evaluate whether the child has a valid contraindication to a vaccine by asking about medical history, allergies, and previous experiences
- Assess the parent's reasons for wanting to delay or forgo vaccination in a non-confrontational manner
 - Have they had a bad experience?
 - Obtained troubling information?
 - Do they have a religious or personal belief that they think conflicts with vaccination?





Talking about vaccines

"Take advantage of early opportunities such as the prenatal, newborn, 1-week, and 1-month visits to initiate a dialogue about vaccines. These also are good opportunities to provide take-home materials or direct parents to immunization websites that you trust. This gives parents time to read and digest reputable vaccine information before the first and all future immunizations. And when parents have questions, you can build on the reputable information that they already have reviewed. With parents who have many questions, consider an extended visit to discuss vaccinating their child."

Talking with Parents about Vaccines for Infants (CDC)

www.cdc.gov/vaccines/hcp/conversations/downloads/talk-infants-color-office.pdf



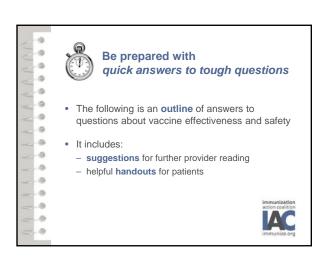
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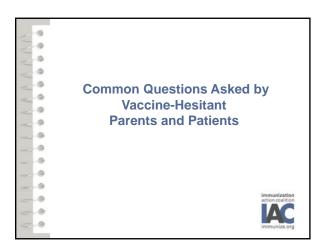


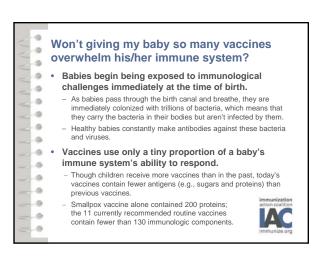
Dialogue

- If parents have safety concerns or misconceptions about vaccination, ask them to identify the source(s) of those concerns or beliefs
- Listen carefully, paraphrase to the parent what they have told you, and ask them if you have correctly interpreted what they have said
- Provide factual information in understandable language that addresses the specific concerns or misconceptions the parent has about vaccination











References

- Too Many Vaccines? What you should know (Vaccine Education Center, Children's Hospital of Philadelphia
 - www.chop.edu/export/download/pdfs/articles/vaccine-educationcenter/too-many-vaccines.pdf
- Multiple Vaccines and the Immune System (CDC) www.cdc.gov/vaccinesafety/Vaccines/multiplevaccines.html
- The Problem With Dr. Bob's Alternative Vaccine Schedule by Paul Offit, MD and Charlotte Moser www.immunize.org/concerns/offit_moser2009.pdf
- Vaccines and Autism: A Tale of Shifting Hypotheses by Paul Offit, MD and Jeffery Gerber, MD http://cid.oxfordjournals.org/content/48/4/456.full

References

- Multiple Immunizations and Immune Dysfunction (Institute of Medicine Report) www.nap.edu/read/10306/chapter/1
- The Childhood Immunization Schedule: Why Is It Like That? (AAP)
- www.aap.org/en-us/advocacy-andpolicy/Documents/Vaccineschedule.pdf
- Parental Refusal of Pertussis Vaccination Is Associated with an Increased Risk of Pertussis Infection in Children (Glanz et al, Pediatrics, June 2009)
 - http://pediatrics.aappublications.org/cgi/content/abstract/123/6/1446

Hasn't the mercury in vaccines been shown to cause autism? The form of mercury found in thimerosal is ethylmercury (not methylmercury, which is the form that has been shown to damage the nervous system.) Although no evidence of harm has been proven, thimerosal was taken out of vaccines in the U.S. as a precaution and "because it can be" (due to single dose vials, other preservative options)

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Since 2001, with the exception of some influenza vaccines, thimerosal has not been used as a preservative in routinely recommended childhood vaccines in the U.S.

.0 Hasn't the mercury in vaccines been shown to cause autism? (continued) 9 9 9

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Multiple studies comparing vaccinated and unvaccinated children have shown that thimerosal in vaccines does not cause autism.

Studies of three countries compared the incidence of autism before and after thimerosal was removed from vaccines (in 1992 in Europe and 2001 in the U.S.) and found no decrease in autism with the use of thimerosalfree vaccines.



References

- Common Vaccine Safety Concerns web page (CDC) www.cdc.gov/vaccinesafety/concerns
- Collection of related resources (IAC) www.immunize.org/thimerosal
- 9 . Report on thimerosal (Institute of Medicine) www.nap.edu/books/030909237X/html and www.nap.edu/read/10208/chapter/1
- Understanding Thimerosal, Mercury, and Vaccine 9 Safety (CDC) www.cdc.gov/vaccines/hcp/patient-ed/ 4 conversations/downloads/vacsafe-thimerosal-bw-office.pdf 9



References (continued)

- Thimerosal: What you should know (CHOP) www.chop.edu/export/download/pdfs/articles/vaccine-education-center/thimerosal.pdf
- Autism: What you should know (CHOP) www.chop.edu/export/download/pdfs/articles/vaccine-educationcenter/autism.pdf
- Studies on Thimerosal in Vaccines (CDC) www.cdc.gov/vaccinesafety/pdf/cdcstudiesonvaccinesandautism
- Vaccines and Autism: A Tale of Shifting Hypotheses by Paul Offit, MD and Jeffery Gerber, MD http://cid.oxfordjournals.org/content/48/4/456.full



Don't the ingredients found in vaccines hurt children?

Aluminum

- Aluminum is used in some vaccines as an adjuvant an ingredient that improves the immune response.
 - Adjuvants can allow for use of less antigen.
 - They have been used for this purpose for more than 70
- Aluminum is the most common metal found in nature. It is in the air and in food and drink. Infants get more aluminum through breast milk or formula than vaccines.
- Most of the aluminum in the body is quickly eliminated.



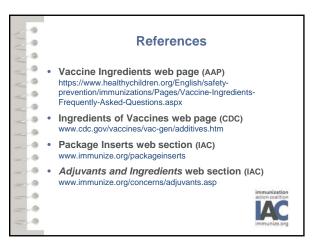
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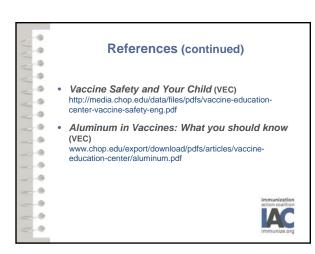
Formaldehyde

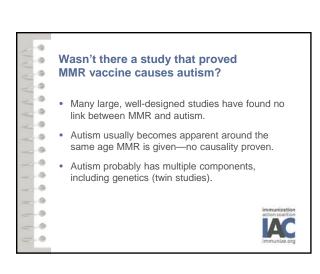
- · Formaldehyde is used to detoxify diphtheria and tetanus toxins or to inactivate a virus.
- The *tiny* amount which may be left in these vaccines is safe.
- Formaldehyde is also in products like paper towels, mascara, and carpeting.
- Humans normally have formaldehyde in the blood stream at levels higher than in vaccines.

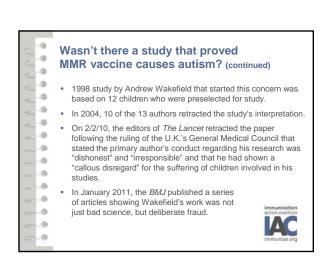


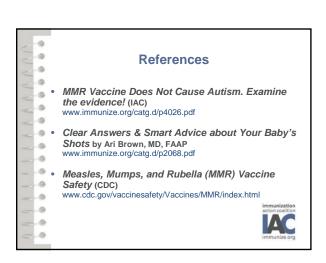
Don't the ingredients found in vaccines hurt children? -30 9 Miscellaneous 9 9 Antibiotics are present in some vaccines to prevent bacterial contamination when the vaccine is made. 9 9 Additives such as gelatin, albumin, sucrose, lactose, 9 MSG, and glycine help the vaccine stay effective -0 while being stored. 9 Trying to make vaccines without adjuvants, additives, 4 and preservatives is difficult—these ingredients 9 keep vaccines safe and effective. 9 .0

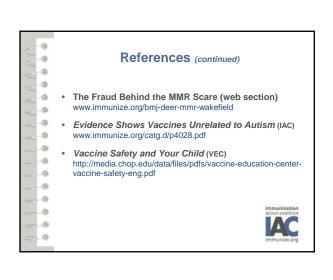


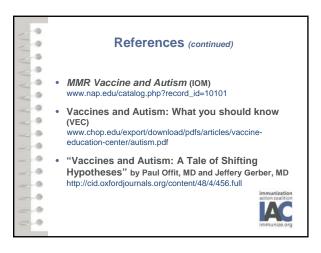


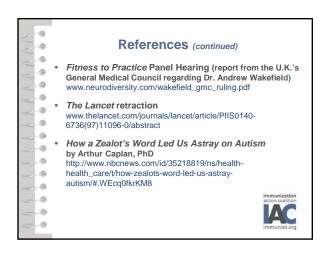


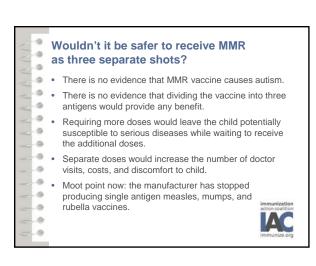


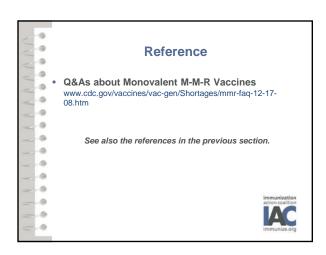


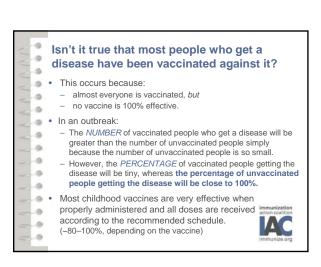




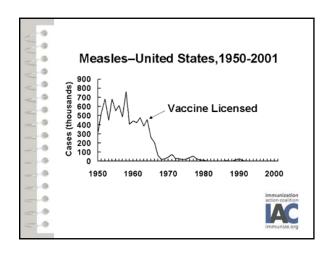


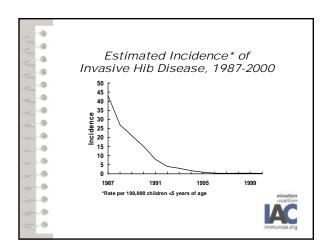


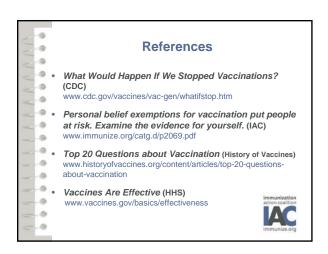


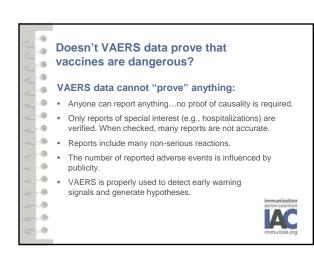


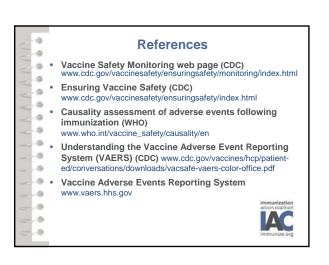
Isn't better sanitation really the reason disease rates have dropped? -30 9 It's true that better living conditions (less crowded housing, better 9 nutrition, etc.) have had an impact on disease rates. BUT, the 9 only real decrease in a vaccine-preventable disease (VPD) has occurred after the introduction of a vaccine to prevent it. 9 This also is true for newer vaccines like Hib (1987) and varicella (1995), which were introduced during times of modern hygiene. 9 -0 When developed countries (U.K., Sweden, Japan) stopped using DTP vaccine, their pertussis rates jumped dramatically. 9 Several recent outbreaks of measles, pertussis, and varicella 4 in the U.S. have been traced to pockets of unvaccinated 9 children in states that allow personal belief exemptions. 9 When vaccination rates go down, disease rates go up. .0











Hasn't it been proven that there are dangerous "hot lots" of vaccines?

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- The Food and Drug Administration regulates the production of vaccines carefully.
- The concept of "hot lots" is based on the presumption that more reports to VAERS mean that a vaccine lot is more dangerous.
 - Reports to VAERS prove nothing about causality.
 - Because the size of vaccine lots varies widely (a lot may vary from several hundred thousand to several million doses), it's not unexpected that some lots would generate more reports (i.e., the larger lots).



Isn't natural infection better than immunization?

- Infection usually does cause better immunity than vaccination.
- However, the price paid for natural disease can include:
 - paralysis

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- permanent brain damage
- liver cirrhosis/cancer
- deafness
- blindness
- pneumonia
- death



References

- Natural Infection vs. Immunization by Paul Offit, MD http://www.chop.edu/centers-programs/vaccine-educationcenter/vaccine-safety/immune-system-and-health
- Photos of people with vaccine-preventable diseases
 www.immunize.org/photos
- Unprotected People: Real-life accounts of people who have suffered or died from vaccinepreventable diseases www.immunize.org/reports



Didn't the courts decide that vaccines cause autism?

- The Vaccine Injury Compensation Program awarded ONE family a monetary settlement for a very specific situation.
- The child, Hannah Poling, was born with a rare genetic disorder (mitochondrial disorder). The health of individuals with mitochondrial disorder can deteriorate after many types of stresses, including contracting a vaccine-preventable disease.
- In this case, the government concluded that vaccines aggravated a rare underlying metabolic condition in one child, not that vaccines cause autism in general, or even that vaccines are contraindicated for all children with mitochondrial disorder.



References

- Clear Answers & Smart Advice About Your Baby's Shots by Ari Brown, MD, FAAP www.immunize.org/catg.d/p2068.pdf
- Mitochondrial Disease: Frequently Asked Questions (CDC)

www.cdc.gov/ncbddd/autism/mitochondrial-faq.html

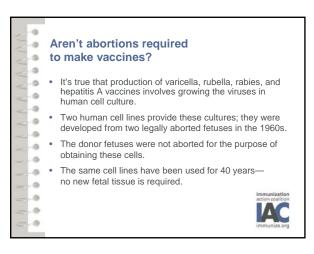


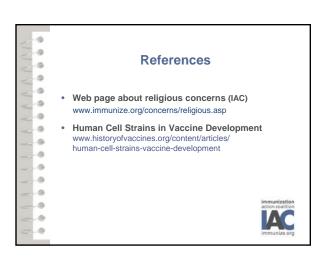
Don't drug companies make big profits from pushing vaccines?

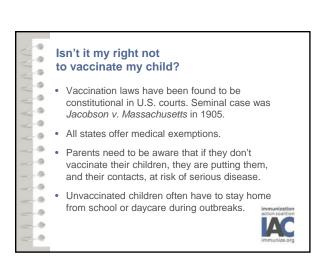
- Vaccines are not high-profit products. Vaccine sales are dwarfed by prescription sales.
- Costs for research, development, and compliance with standards are high, with no guarantee that a vaccine will be licensed.
- If vaccines were highly profitable, why would only a few companies produce almost all of the U.S. childhood vaccines today, when there used to be 25 companies producing vaccines?
- · Vaccine manufacturing is a public service.

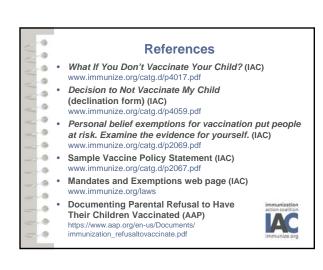


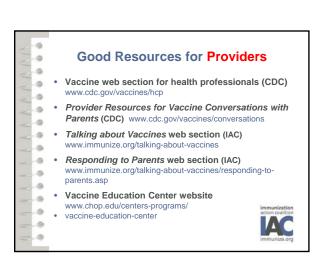
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Good Resources for Providers .0 -3 9 AAP's immunization website 9 www.aap.org/immunization 9 Making the CASE for Vaccines: A new model 0 for talking to parents about vaccines 9 www.albany.edu/sph/cphce/phlhandouts/12_9_10.pdf 9 -0 Addressing Vaccine Hesitant Parents: Roleplaying Videos for Healthcare Providers 9 http://whyimmunizekids.org/role-playing-video-clips 4 9 9 .0 9

