Pediatric Immunization Resources for Health Care Providers

You are a trusted source of vaccine information!

Health care providers are a trusted source of vaccine information[1–5]

People's decisions to vaccinate are based on ***trust in you***[5]

Don't underestimate the importance of ***your recommendations***; you are a ***trusted source of vaccine information***[1–3]

Many hesitant parents cited ***reassurance and information from their HCP*** as the reason they changed their minds and accepted vaccines[2]

Combatting Common Vaccine Safety Concerns:

90% reduction in antigen content since ***1960s***; immune systems handle this easily[6] (See Table)

Vaccines undergo rigorous pre-licensure trials and ***continuous post-marketing*** surveillance[7]

Lower ***aluminum*** exposure from pediatric vaccines than ***breastmilk*** (4-5mg vs 7mg)[8]



Cause of autism is ***multifactorial*** and may be related to changes in diagnosis, awareness and screening[9-13]

High-quality studies have not revealed a relationship between vaccines and autism[14, 15]

Low-quality studies claiming to find a relationship are often biased and fail to control for confounders[16]

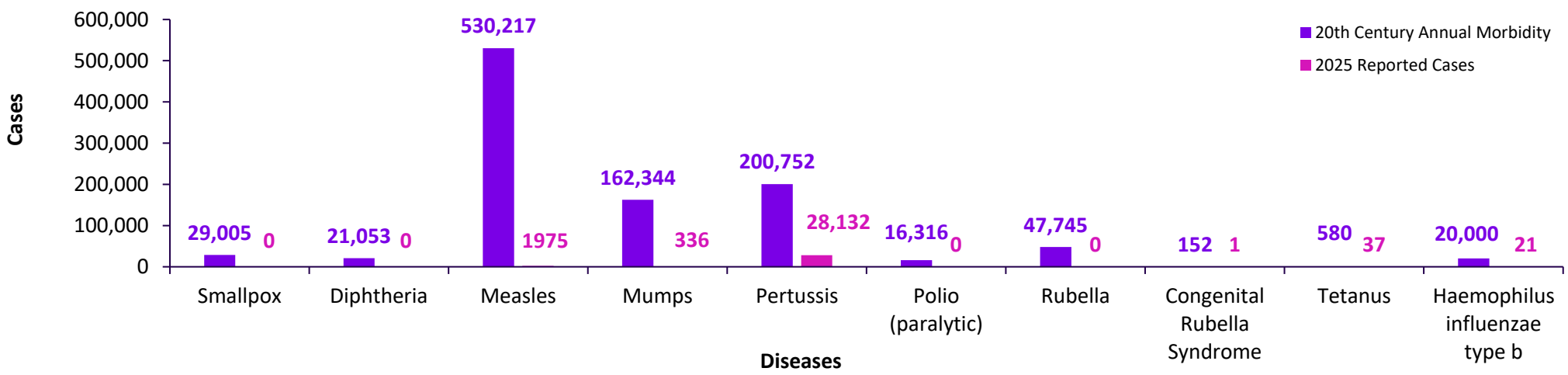
Table: Number of Immunogenic Proteins and Polysaccharides Contained in Vaccines Over the Past 40 Years[6]

1960		1980		2000	
Vaccine	**Protein**	**Vaccine**	**Protein**	**Vaccine**	**Protein/ Polysaccharides**
Smallpox	~200	Diphtheria	1	Diphtheria	1
Diphtheria	1	Tetanus	1	Tetanus	1
Tetanus	1	WC-Pertussis	~3000	AC-Pertussis	2-5
WC-Pertussis	~3000	Polio	15	Polio	15
Polio	15	Measles	10	Measles	10
		Mumps	9	Mumps	9
		Rubella	5	Rubella	5
				Hib	2
				Varicella	69
				Pneumococcus	8
				Hepatitis B	1
Total	***-3217***	**Total**	***-3041***	**Total**	***123-126***

Pediatric Immunizations Can Prevent 18 Deadly Diseases[17]

Respiratory Syncytial Virus (RSV)	COVID-19
Hepatitis B	Influenza
Diphtheria	Measles
Rotavirus	Mumps
Tetanus	Rubella
Pertussis	Chickenpox
Polio	Hepatitis A
Haemophilus influenzae type b (Hib)	Human papillomavirus (HPV)
Pneumococcal disease	Meningococcal disease

Comparison of 20th Century Annual Morbidity and Current Morbidity vs 2025 Reported Cases: Vaccine-Preventable Diseases[18]



See the last page for resources

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AAP Strategies and Recommendations for Improving Vaccine Communication and Uptake[19]

Provider Communication:
Use strong, presumptive recommendations, evidence-based responses to safety concerns, and motivational interviewing for hesitant parents.

Vaccination Schedule:
Follow CDC/AAP schedule; alternative schedules lack evidence and should only be used as a last resort to keep children vaccinated.



Beyond the Clinic:
Boost vaccination uptake using reminders, school entry rules, registries, and trusted messengers.

Practice-level Policies:
Practices should aim for consistent policies and use dismissal as a last resort after exhausting alternatives, with proper notice and continued care

RESOURCES: TRAINING & EDUCATION

APhA Motivational Interviewing Certificate Program (MI CTP)
https://www.pharmacist.com/

Presumptive Approach Evidence Summary (CDC & AAP)
https://www.cdc.gov/vaccines/hcp/conversations/talking-with-parents.html

C.A.S.E. Method Overview (Vaccine Education Center, CHOP)
https://www.chop.edu/vaccine-update-healthcare-professionals/vaccine-resources/videos

AIMS Approach: "Regulating Receptivity in Vaccine Conversations" Article & practical guidance
https://www.ncbi.nlm.nih.gov/pmc/articles/PMC10273204/

SEE OUR PEDIATRIC IMMUNIZATION RESOURCES

VaccineShoppe
https://www.vaccineshoppe.com/

Sanofi Digital Medical Corner
https://www.medhub-sanofi.com/Vaccines/general-medical-microsite/index.html

Scan the QR Code to Learn More about Vaccine Safety

AAP, American Academy of Pediatrics; AC, Acellular Pertussis; AIMS, announce inquire mirror and secure; C.A.S.E, corroborate, about me, science, explain/advice; CDC, Centers for Disease Control and Prevention; HCP, Health care providers; Hib, *Haemophilus influenzae* type b; HPV, Human papillomavirus; RSV, Respiratory Syncytial Virus; WC, whole Cell Pertussis.

1. Freed GL, et al. *Pediatrics*. 2011;127 Suppl 1:S107-S112; **2**. McCauley MM, et al. *Acad Pediatr*. 2012;12(5):375-383; **3**. Kundi M, et al. *Curr Drug Saf*. 2015;10(1):16-22; **4** Marlow LA, et al. *Vaccine*. 2007;25(11):1945-1952; **5**. Salmon DA, et al. *Vaccine*. 2015;33 Suppl 4:D66-D71; **6.** Offit PA, et al. *Pediatrics*. 2002;109(1):124-129; **7.** Our World in Data. Long run cases of vaccine-preventable diseases in the United States. Accessed August 06, 2026. https://ourworldindata.org/grapher/long-run-cases-of-vaccine-preventable-diseases-in-the-united-states; **8.** Corkins MR, et al. *Pediatrics.* 2019;144(6):e20193148; **9.** Hansen SN, et al. *JAMA Pediatr.* 2015;169(1):56-62; **10.** Hyman SL, et al. *Pediatrics.* 2020;145(1):e20193447; **11.** Pearson H. *Nature.* 2025;644(8078):860-863; **12**. Gao X, et al. *J Hazard Mater*. 2025;491:137832; **13.** Ophir Y, et al. *JAMA Netw Open*. 2023;6(12):e2346775; **14.** Doyon-Plourde P, et al. *BMJ.* 2026;393:e088921; **15.** WHO. Vaccines, Thimerosal and Autism Spectrum Disorder, evidence review 2010-2025. Accessed Nov 9, 2026. https://www.who.int/publications/m/item/

update-vaccines-thimerosal-autism; **16.** Nirenberg E, et al. *Pediatrics*. 2026;157(3):e2025074874; **17.** AAP Immunization Schedule. Accessed October 10, 2026 https://publications.aap.org/redbook/resources/15585/AAP-Immunization-Schedule; **18.** CDC, National Center for Immunization & Respiratory Diseases – Historical Comparisons of Vaccine-Preventable Disease Morbidity in the U.S. Accessed October 10, 2026. https://www.cdc.gov/ncird-surveillance/media/VPD-morbidity-slide1-mmwr-508.pdf; **19.** O'Leary ST et al. Pediatrics. 2024;153(3):e2023065483.

RESOURCES FROM OTHER ORGANIZATIONS

American Academy of Pediatrics
DEDICATED TO THE HEALTH OF ALL CHILDREN™

Immunizations (Patient Care)
https://www.aap.org/en/patient-care/immunizations/

AAFP

Immunizations & Vaccines (Education)
https://www.aafp.org/family-physician/patient-care/prevention-wellness/immunizations-vaccines.html

National Association of Pediatric Nurse Practitioners™

Patient & Family Information (Patient Care)
https://www.napnap.org/patient-family-information/

PIDS PEDIATRIC INFECTIOUS DISEASES SOCIETY

Comprehensive Vaccine Education Program (Education)
https://pids.org/education-training/vaccine-education-program/

AWHONN
PROMOTING THE HEALTH OF WOMEN AND NEWBORNS

Vaccination (Education)
https://www.awhonn.org/education/vaccination/

healthychildren.org
Powered by pediatricians. Trusted by parents.
from the American Academy of Pediatrics

Immunizations (Education)
https://www.healthychildren.org/English/safety-prevention/immunizations/Pages/default.aspx

Immunize.org

Meet the Immunize.org Team Behind "Ask the Experts" (FAQ)
https://www.immunize.org/ask-experts/overview/

Strategies for addressing Vaccination Anxiety and Vaccine-administration Guidance (Patient Care)
https://www.immunize.org/clinical/topic/admin-vaccines/

Need Help Responding to Vaccine-Hesitant Parents? (Patient Care)
https://www.immunize.org/wp-content/uploads/catg.d/p2070.pdf

American Lung Association.

American Lung Association ID page (Education)
https://www.lung.org/lung-health-diseases/lung-disease-lookup/infectious-lung-diseases

Vaccines for Lung Health: Flu, COVID 19, RSV & Pneumonia Protection (Education)
https://www.lung.org/lung-health-diseases/wellness/vaccines

DPH Georgia Department of Public Health District 4 Public Health

Georgia Immunizations Outreach (Toolkit)
https://www.district4health.org/locations/backtoschool_toolkit/

JOHNS HOPKINS BLOOMBERG SCHOOL of PUBLIC HEALTH

Monitoring Childhood Immunization at the State Level (Education)
https://publichealth.jhu.edu/ivac/resources/reports/monitoring-childhood-immunization-at-the-state-level

CDC

Vaccines & Immunizations (Patient Care)
https://www.cdc.gov/vaccines/hcp/clinic-planning/your-practice.html

IMMUNIZATION COALITIONS NETWORK

The National Network of Immunization Coalitions (Coalition building)
https://www.immunizationcoalitions.org/

IKC
Immunize Kentucky Coalition

Vaccine Flyers (Patient Care)
https://www.immunizeky.org/vaccineinformation

Trusted Resources (Education)
https://www.immunizeky.org/trusted-resources

IKC IMMUNIZE KANSAS COALITION

Vaccine Fears Overturned by Facts (FAQs) (Booklet, available in English and Spanish)
https://www.immunizekansascoalition.org/vfof.asp

Massachusetts Chapter
INCORPORATED IN MASSACHUSETTS
American Academy of Pediatrics
DEDICATED TO THE HEALTH OF ALL CHILDREN™

MCAAP Immunization Initiative (Education)
https://mcaap.org/immunization-initiative-3/

ACOG
American College of Obstetricians & Gynecologists

Immunization (Toolkits)
https://www.acog.org/programs/immunization-infectious-disease-public-health/tools-and-resources

VACCINE INTEGRITY PROJECT

Vaccine Integrity Project (Evidence Reviews)
https://vaxintegrity.cidrap.umn.edu/

CONNECTICUT
Department of Public Health

Education inspired by Schoolhouse Rock! (Video series)
https://portal.ct.gov/dph/individuals-and-families/immunizations?language=en_US

MASSACHUSETTS VACCINE CONFIDENCE PROJECT

Massachusetts Vaccine Confidence Project (Education)
https://massvaccineconfidenceproject.org/

voices for vaccines

Vaccine advocacy materials (Education)
https://www.voicesforvaccines.org/resources/

VACCINATE YOUR FAMILY

Viral Truths (FAQs)
https://viraltruths.org/

Vaccinate Your Family (FAQs)
https://vaccinateyourfamily.org/Fam

Children's Hospital of Philadelphia

CHOP Vaccine Education Center (Education)
https://www.chop.edu/vaccine-education-center

NATIONAL MINORITY QUALITY FORUM

National Minority Quality Forum
https://shc.nmqf.org/toolkits/

UNITY®
United for adolescent vaccination

3Cs: CONFIDENT, CONCISE, and CONSISTENT (Patient care)
https://www.unity4teenvax.org/3cs

Resources for Parents (FAQs)
https://www.unity4teenvax.org/parents/

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