

Key Vaccination Resources for Healthcare Professionals

With so many vaccination training materials available, it can be difficult for providers to determine which ones best suit their needs. The key resources listed below provide a strong foundation for building and sustaining vaccination skills. They also offer tools for staying up to date and references to address specific clinical situations.

Acronym list appears at end of document

The key resources shown below are divided into several helpful categories:

- 1 **Foundational content** with which every vaccinator should be familiar,
- 2 **Supplemental content** useful after completing foundational training,
- 3 **Additional tools** to help providers grow in vaccination expertise, and
- 4 **Major organization websites** offering additional vaccination resources.

1 Foundational Content for All Vaccinators

RESOURCE, DESCRIPTION, HYPERLINK	SOURCE	CONTENT
CDC's General Best Practice Guidelines for Immunization (revised regularly) Components include: Timing and spacing of vaccines, contraindications and precautions, preventing and managing adverse events, vaccine administration, storage and handling, altered immunocompetence, vaccination records, and more. (HTML) ▶ www.cdc.gov/vaccines/hcp/imz-best-practices/	CDC	Schedules Storage Screening Technique
U.S. Recommended Immunization Schedules (annual, plus periodic supplements) Different schedules are published by CDC and other professional medical organizations. The Vaccines for Children program follows the CDC schedule. CDC's Advisory Committee on Immunization Practices (ACIP) immunization schedules for children/adolescents and adults. An app is available from CDC for iOS or Android. Both schedules include a table of precautions and contraindications for each vaccine. ▶ www.cdc.gov/vaccines/hcp/imz-schedules/child-adolescent-age.html ▶ www.cdc.gov/vaccines/hcp/imz-schedules/adult-age.html American Academy of Pediatrics <i>Recommended Child and Adolescent Immunization Schedule for Ages 18 Years and Younger</i> , ▶ https://publications.aap.org/redbook/resources/15585/ American Academy of Family Physicians immunization schedules ▶ www.aafp.org/family-physician/patient-care/prevention-wellness/immunizations-vaccines/immunization-schedules.html	CDC AAP AAFP	 Schedules
CDC's Recommended and Minimum Ages and Intervals Between Vaccine Doses Scroll down to Table 3.2. Easy-to-read table showing ages and intervals. (HTML) ▶ www.cdc.gov/vaccines/hcp/imz-best-practices/timing-spacing-immunobiologics.html	CDC	Schedules

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1 Foundational Content for All Vaccinators (continued)

CDC's Vaccine Information Statements (VISs) and translations Immunize.org's VIS main page includes links to each VIS in English, plus translations in dozens of languages, chart of current VIS dates, and other clinical VIS resources. (HTML or PDF) <ul style="list-style-type: none"> ▶ www.cdc.gov/vaccines/hcp/vis/index.html ▶ www.immunize.org/vis ▶ www.immunize.org/translations/ ▶ www.immunize.org/clinical/topic/vis/ ▶ www.immunize.org/vaccines/vis/about-vis/ 	CDC Immunize.org	Dialogue
Vaccine Administration CDC's Vaccine Administration Main Page: Step-by-step guidance on administering vaccines, reviewing patient histories, documentation, plus self-paced vaccine-administration course (CE credit) Instructional videos appear in the Resource Library section. ▶ www.cdc.gov/vaccines/hcp/administration/index.html Immunize.org's Clinical Resources: Administering Vaccines: Practical, user-friendly educational materials: free print-ready documents covering site selection, needle length, skills checklist, error prevention, and more. (PDF) ▶ www.immunize.org/clinical/topic/admin-vaccines/	CDC Immunize.org	Technique
IZ Express, free email news service (published each Wednesday) Provides current information you need to know. Stay up to date on product approvals, recommendations, revised VISs and translations, new resources from Immunize.org and other organizations, new publications, conferences, and CE opportunities. Subscribe at www.immunize.org/subscribe . (Email and HTML) ▶ www.immunize.org/news/iz-express/about/	Immunize.org	News
Immunize.org: Clinical Resources A-Z Main web page leads to all of Immunize.org's educational materials categorized by topic area, including vaccination schedules, handouts for parents, screening checklists, standing orders, and resources on vaccine storage and handling, adolescent and adult vaccination topics, improving vaccine confidence, and managing fever/pain. (PDF) ▶ www.immunize.org/clinical/a-z/	Immunize.org	Vaccines Diseases Schedules Technique Storage
Ask the Experts – Immunize.org's experienced clinical experts answer vaccine questions More than 1,300 practical answers to common questions categorized by topic areas, covering vaccine administration, precautions and contraindications, scheduling vaccines, storage and handling, vaccine recommendations, and vaccine safety. (HTML) ▶ www.immunize.org/ask-experts/	Immunize.org	Vaccines Diseases Schedules Storage Screening
State immunization program websites, including links to state immunization requirements State vaccine-specific requirements for childcare, school, college: ▶ www.immunize.org/official-guidance/state-policies/requirements/ State immunization program websites: ▶ www.immunize.org/official-guidance/state-policies/state-websites/ Immunization and other key state public health contact information: ▶ www.immunize.org/official-guidance/state-policies/state-resources/ Immunization Information Systems (IIS) and vaccination records: ▶ www.cdc.gov/iis/contacts-locate-records/	Immunize.org CDC	Advice

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2 Important Supplemental Content, Rationale, and Applied Clinical Guidance (valuable after foundational training)

RESOURCE, DESCRIPTION, HYPERLINK	SOURCE	CONTENT
Vaccine Recommendations: CDC and Professional Medical Organizations Each recommendation explains the epidemiology and disease burden being addressed, data and rationale to support the recommendation, as well as the recommended immunization schedule, contraindications, and special circumstances. (HTML and PDF) Search CDC's published ACIP recommendations ▶ www.immunize.org/official-guidance/cdc/acip-recs/vaccines Search professional medical association recommendations ▶ www.immunize.org/official-guidance/	CDC Immunize.org	Vaccines Diseases Screening
Improving the Vaccination Experience, Easing Injection Anxiety Immunize.org provides print and video tools to create a positive vaccination experience and ease injection anxiety in children and adults. Includes printable clinical resources, in-depth webinars, and several brief videos to share with families. ▶ www.immunize.org/improving-vaccine-experience	Immunize.org	Dialog Technique
Immunization Techniques: Best Practices with Infants, Children, and Adults (2010) California Department of Public Health 25-minute training video on skills for vaccine administration. Covers injectable, oral, and nasal vaccines; selecting, preparing, and administering vaccines; patient comfort, staff safety and training; demonstrations. (DVD) ▶ www.youtube.com/watch?v=WsZ6NEijlfl&feature=youtu.be ▶ www.immunize.org/dvd (\$17 for one, volume discounts available)	EZIZ Immunize.org	Technique
CHOP VEC's Vaccine- and Vaccine Safety-Related Q&A Sheets for Parents From Children's Hospital of Philadelphia (CHOP) Vaccine Education Center (VEC) links to dozens of Q&A sheets about vaccines and vaccine safety topics (e.g., vaccine ingredients, autism, "too many" vaccines). Available in English and Spanish. (PDF) ▶ www.chop.edu/centers-programs/vaccine-education-center/resources/vaccine-and-vaccine-safety-related-qa-sheets	CHOP VEC	Dialogue
CDC's <i>You Call the Shots</i> web-based training course A series of modules that discuss diseases and vaccine recommendations. Each module provides self-test questions, resource materials, glossary, and CE credit. (Online course – slide-based, interactive, no audio) ▶ www.cdc.gov/immunization-training/hcp/you-call-the-shots	CDC	Vaccines Diseases Technique Storage
CDC's Vaccine Storage and Handling Toolkit Best practices for managing inventory and transport; storing and preparing; monitoring temperature; maintaining storage and temperature-monitoring equipment; preparing for emergency situations; standard operating procedures for routine and emergency management. (PDF, 31 pages) ▶ www.cdc.gov/vaccines/hcp/storage-handling	CDC	Storage

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2 Important Supplemental Content, Rationale, and Applied Clinical Guidance (continued)

CDC's Vaccines and Immunizations for Healthcare Professionals home page Gateway to clinical resources, administration tools, training, patient education, and more. (variously PDF or HTML, plus videos and slides) ▶ www.cdc.gov/vaccines/hcp/index.html	CDC	Vaccines Diseases Dialogue Screening
CDC's Epidemiology and Prevention of Vaccine-Preventable Diseases – “The Pink Book” Information on each routine vaccine and diseases they prevent; vaccination principles, safety, storage and handling, and administration. (Book: HTML or PDF, 500+ pages. Free online. Webinar series online.) ▶ www.cdc.gov/pinkbook/hcp/table-of-contents/index.html ▶ www.cdc.gov/immunization-training/hcp/pink-book-education-series	CDC	Vaccines Diseases Schedules Technique Storage
Immunize.org's Vaccinating Adults: A Step-By-Step Guide (October 2017) Downloadable guidebook on adult immunization, providing how-to information to help providers enhance or implement services in any clinical setting. Most information in the <i>Guide</i> is relevant today. Some vaccine recommendations and billing information are out of date. (Book: PDF, 140+ pages) ▶ www.immunize.org/about/history/pub-archives/adult-guide	Immunize.org	Workflow Screening Technique Storage

3 References and Additional Ways to Grow in Vaccine Expertise

RESOURCE, DESCRIPTION, HYPERLINK	SOURCE	CONTENT
Package Inserts (i.e., prescribing information) for each FDA-licensed vaccine Links to each FDA-licensed vaccine's current prescribing information, either at manufacturer's website or FDA website. (PDF, dozens of product groups) ▶ www.immunize.org/official-guidance/fda/pkg-inserts	Immunize.org	Reference
CDC Immunization Education and Training Offerings Various archived webcasts and other self-paced learning modules, some with CE credit. (variously PDF or HTML, plus video and slides) ▶ www.cdc.gov/immunization-training/hcp	CDC	Training
Provider Resources for Vaccine Conversations with Parents Materials to assess parents' needs, identify the role they want to play in making decisions, and communicate in ways that meet their needs. (variously PDF or HTML) ▶ www.vaccineinformation.org ▶ www.letsgetrealaboutvaccines.org	Immunize.org	Dialogue
EZIZ: A California VFC program for immunization training and resources Job aids for vaccine storage and handling, including info on vaccine management, refrigerator and freezer setup, monitoring temperatures, transporting vaccines, and inventory. (PDF) ▶ eziz.org/resources/storage-handling-job-aids Job aids for vaccine administration, including many helpful 1-page charts on preparing vaccines, avoiding mix-ups, and more. (PDF) ▶ eziz.org/resources/vaccine-admin-job-aids	EZIZ	Storage Technique

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3 References and Additional Ways to Grow in Vaccine Expertise (continued)

<p><i>The Vaccine Handbook: A Practical Guide for Clinicians – “The Purple Book”</i> by Gary S. Marshall, MD)</p> <p>Comprehensive reference book on vaccines and vaccination, including discussion of how to address concerns of parents and patients. (To purchase, go to pcibooks.com/books/view/49 [\$59.95])</p> <p>► Download app at Apple App Store or Google Play Store (free), registration required</p>	Private	Diseases Dialogue Schedules Screening
<p><i>Flash Facts: Vaccines & Immunization</i> by John Grabenstein and Laurie Grabenstein</p> <p>230 fact-filled Flash Facts: key aspects of diseases, vaccines, antibodies, practice tools, and travel health. (To purchase, go to Amazon.com [\$24.99 for print or \$9.99 for Kindle edition])</p>	Private	Diseases Vaccines Practice Tools
<p>CHOP VEC’s Vaccine Update for Healthcare Professionals newsletter (monthly)</p> <p>Monthly newsletter featuring articles, roundup of news and journal articles, and information about new resources. (HTML)</p> <p>► www.chop.edu/centers-programs/vaccine-update/newsletter</p>	CHOP VEC	News

4 Additional Websites for Further Guidance and Resources**AAFP**

www.aafp.org/family-physician/patient-care/prevention-wellness/immunizations-vaccines.html

AAP

www.aap.org/en/advocacy/state-advocacy/childhood-immunizations

ACOG

www.acog.org/programs/immunization-for-women

ACP

www.acponline.org/clinical-information/clinical-resources-products/adult-immunization

AIM

www.immunizationmanagers.org

APhA

www.pharmacist.com/immunization-center

CHOP VEC

www.chop.edu/centers-programs/vaccine-education-center

DoD Immunization Healthcare Division

www.health.mil/Military-Health-Topics/Health-Readiness/Immunization-Healthcare

FDA

www.fda.gov/vaccines-blood-biologics/vaccines

Immunize.org

www.immunize.org

IHS

www.ihs.gov/epi/immunization-and-vaccine-preventable-diseases/resources-for-patients/
www.ihs.gov/epi/immunization-and-vaccine-preventable-diseases/resources-for-providers/

NAIIS

www.izsummitpartners.org

NFID

www.nfid.org/immunization

VYF

www.vaccinateyourfamily.org

ACRONYMS

AAFP American Academy of Family Physicians
AAP American Academy of Pediatrics
ACIP Advisory Committee on Immunization Practices
ACOG American College of Obstetricians and Gynecologists
ACP American College of Physicians
AIM Association of Immunization Managers
APhA American Pharmacists Association
CDC Centers for Disease Control and Prevention
CE Continuing education

CHOP VEC Children’s Hospital of Philadelphia
Vaccine Education Center

DoD Department of Defense

EZIZ EZ immunization services, California Department
of Public Health (CDPH) Immunization Branch

FDA Food and Drug Administration

IHS Indian Health Service

NAIIS National Adult and Influenza Immunization Summit

NFID National Foundation for Infectious Diseases

VYF Vaccinate Your Family