

IVAC International Vaccine Access Center

TOOLKIT

EPIAT5

CELEBRATING VACCINE VICTORIES

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International Vaccine Access
Center at Johns Hopkins BSPH



OVERVIEW

This World Immunization Week, IVAC is celebrating all that vaccines have accomplished in the last 50 years. Since the launch of the Expanded Programme on Immunization (EPI) in 1974 (now known as the Essential Programme on Immunization), vaccines have saved nearly 154 million lives and reduced infant deaths by 40%. Continued efforts are needed to build on these successes over the next 50 years and beyond, with a focus on building back immunization coverage that was lost during the COVID-19 pandemic and ensuring that all children everywhere have access to life-saving vaccines.

The resources compiled in this toolkit can be referenced and shared by advocates, researchers, and decision-makers to demonstrate the value of vaccines and make the case for ongoing investment in these lifesaving tools. The toolkit also includes graphics celebrating Vaccine Victories for the immunizations currently included in the EPI to protect infants, children, and adults from deadly illnesses and can be shared on social media to promote immunization for all.



IVAC
International Vaccine
Access Center

RESOURCES FROM IVAC

VIEW-hub

VIEW-hub tracks introduction, access, and coverage data for nine vaccines in 194 countries. Users can download customized visualizations of year-over-year data to visualize progress and areas that need continued attention.

Pneumonia and Diarrhea Progress Report

IVAC's annual report tracks progress on 10 indicators related to pneumonia and diarrhea in the 15 countries with the highest burden of under-five pneumonia and diarrhea deaths. Although great progress continues to be made, the burden of pneumonia and diarrhea continues to be deeply inequitable, with over 70% of under-five mortality concentrated in just 15 countries.

VoiCE

The Value of Immunization Compendium of Evidence (VoICE) is a searchable database of evidence demonstrating the broad benefits of immunization and the far-reaching impact of vaccine-preventable diseases. This research can be used to demonstrate the importance of continued investment in routine immunization programs across the globe.

VaccineROI.org

The Decade of Vaccine Economics (DoVE) project calculated the Return on Investment (ROI) of vaccine programs in 73 low- and middle-income countries. These results demonstrate the wide-reaching benefits of immunization.

ImmunizationEconomics.org

The Immunization Economics Community of Practice brings together a wide-ranging set of stakeholders with an interest in the generation and use of economic evidence to help improve immunization programs in low- and middle-income countries. The community is comprised of over 3,000 members worldwide, including researchers, government policymakers, public health practitioners, technical experts from organizations implementing immunization-related projects, private sector representatives, academics, and others.

IA2030 Scorecard

The Immunization Agenda 2030 (IA2030) Scorecard is a publicly available interactive tool displaying data that enables stakeholders at all levels to monitor and track the status of each indicator in the IA2030 Framework for Action. The scorecard supports coordinated operational planning, ownership and accountability, and communication and advocacy.

Estimating the Impact of New Vaccine Introduction

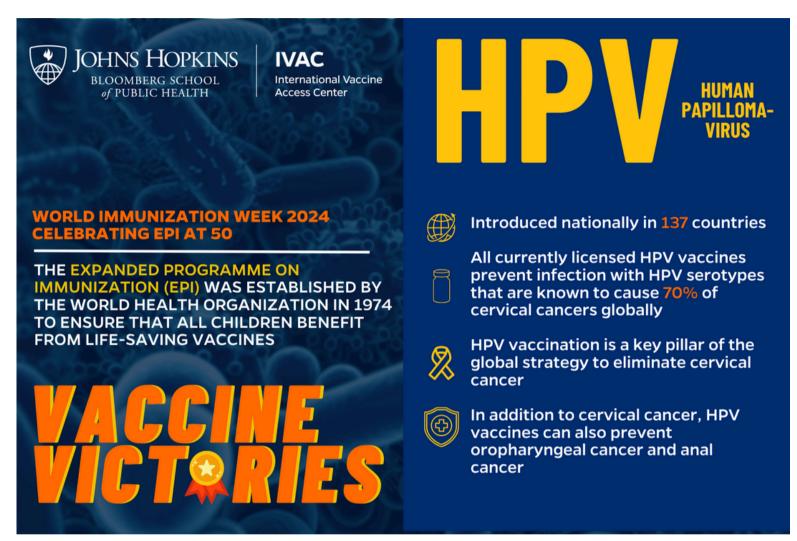
This brief estimates the impact of introducing pneumococcal conjugate vaccine and rotavirus vaccine in Chad, Guinea, Somalia, and South Sudan, illustrating the importance of ensuring that children in all countries have access to these life-saving tools.

Rotavirus Disease and Immunization: Series of Briefs

This series of briefs examines the introduction, safety, impact, and value of rotavirus vaccines to support immunization efforts.

Global Misinformation Training | Latinx Misinformation Training

Healthcare workers play a critical role in combating rumors and misinformation about vaccines in their communities. This training provides essential knowledge and skills for healthcare professionals to navigate the challenges posed by vaccine misinformation.



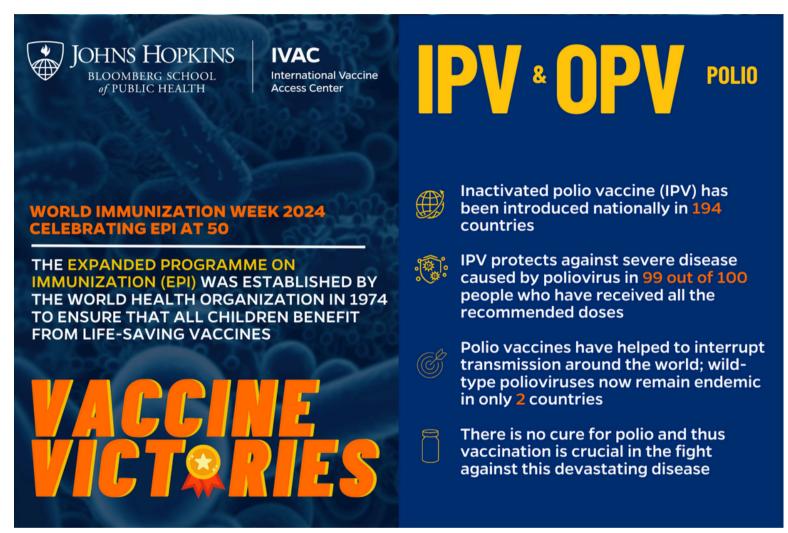
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SHARE ON SOCIAL MEDIA

- THPV vaccines target cancer-causing serotypes that are known to cause 70% of cervical cancers globally. Thanks to HPV vaccines, a world without cervical cancer is #HumanlyPossible
- Y As a key pillar of the global strategy to eliminate cervical cancer, HPV vaccination can protect girls and women everywhere from this devastating disease. #VaccinesWork

HPV RESOURCES

- HPV Vaccine Introduction & Use Data [VIEW-hub]
- HPV Vaccines: New Momentum in Eliminating Cervical Cancer [VolCE]
- The Power of a Single Dose: Evidence for a Single-Dose HPV Vaccine Schedule [VolCE]
- HPV Vaccine Cost Calculator [PATH]
- A Look at Each Vaccine: HPV [Vaccine Education Center, Children's Hospital of Philadelphia]



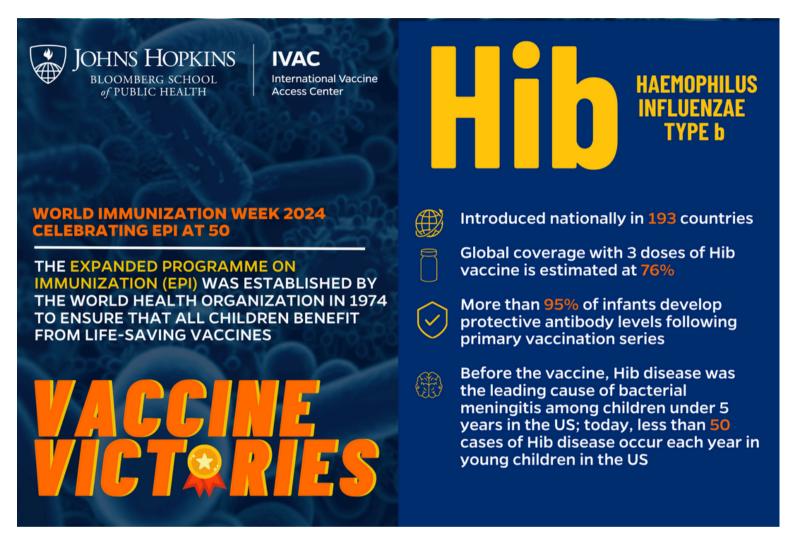
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POLIO RESOURCES

- Resources for Polio Eradicators
 [Global Polio Eradication Initiative]
- Communication Strategies for Polio Eradication [Global Polio Eradication Initiative]
- Inactivated Polio Vaccine Access & Coverage Data [VIEW-hub]
- WHO Polio Eradication Initiative

- Polio vaccines have helped to interrupt transmission around the world. Thanks to vaccines, wild-type polioviruses now remain endemic in only 2 countries. #VaccinesWork
- Inactivated polio vaccine protects against severe disease caused by poliovirus in 99 out of 100 people who receive all recommended doses. #VaccinesWork



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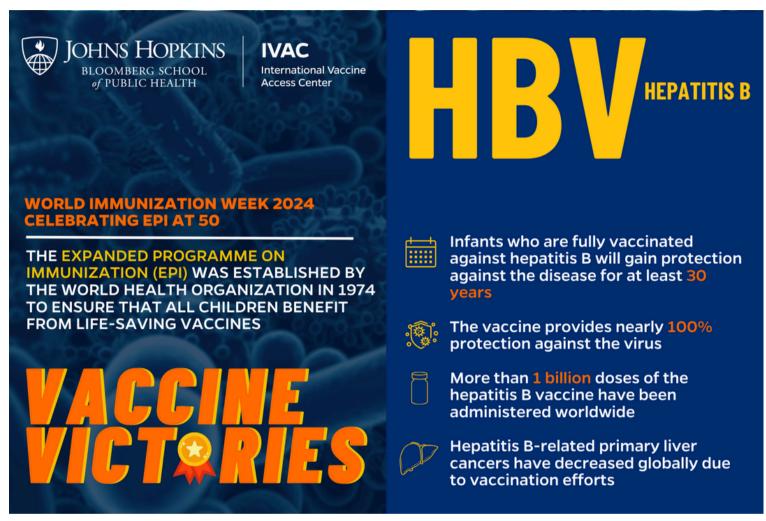
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In the US, Hib used to be the leading cause of bacterial meningitis in children under 5 years. Now, the country sees less than 50 Hib cases among young children each year, proving that #VaccinesWork

More than 95% of infants who are vaccinated against Hib develop protective antibodies #VaccinesWork

HIB RESOURCES

- Hib Vaccine Coverage Data [VIEW-hub]
- CDC Hib Vaccine Resources
- A Look at Each Vaccine: Haemophilus Influenzae Type b (Hib) Vaccine [Vaccine Education Center, Children's Hospital of Philadelphia]
- Haemophilus influenzae type b (Hib):
 Questions and Answers [Immunization
 Action Coalition]



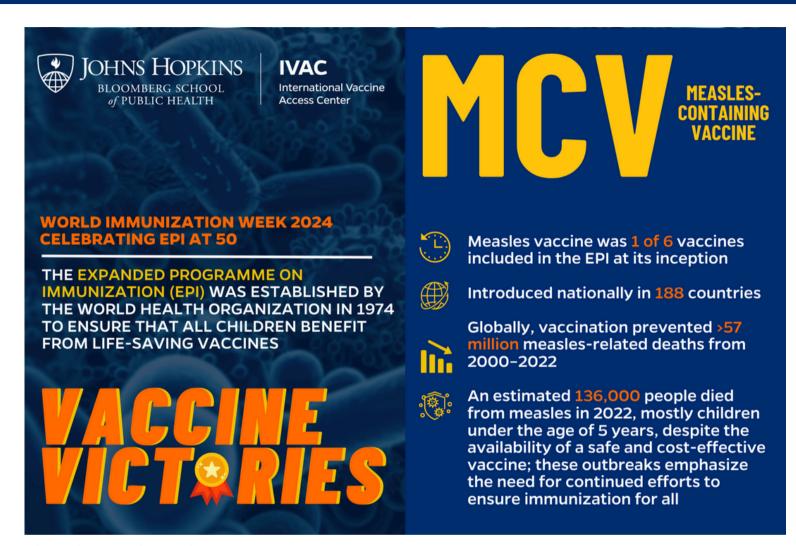
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HBV RESOURCES

- 2024 WHO Guidelines for the Prevention,
 Diagnosis, Care and Treatment for People
 with Chronic Hepatitis B Infection
- A Look at Each Vaccine: Hepatitis B
 Vaccine [Vaccine Education Center,
 Children's Hospital of Philadelphia]
- Hepatitis B Vaccine: What You Need to Know [American Academy of Pediatrics]

- ▼ So far, more than 1 billion doses of the hepatitis B vaccine have been administered worldwide #VaccinesWork
- ▼ Infants who are fully vaccinated against hepatitis B will gain protection against the disease for at least 30 years #VaccinesWork



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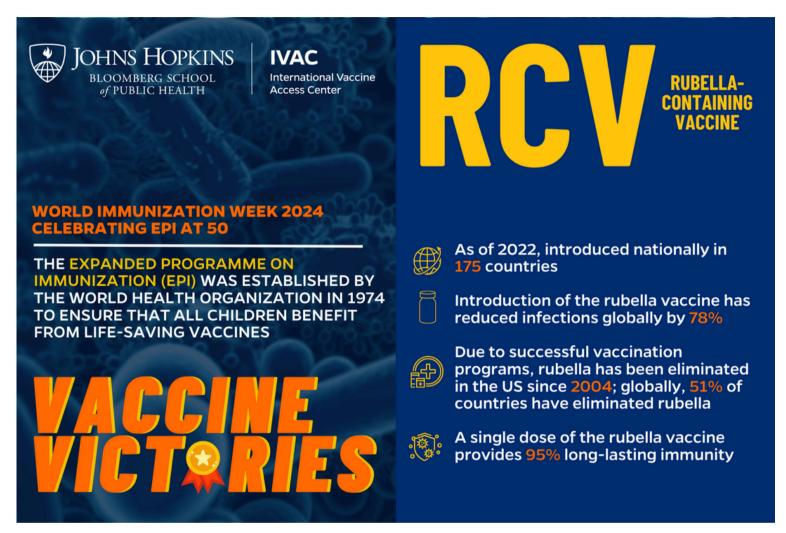
Measles vaccination has prevented more than 57M deaths globally from 2000-2022
#VaccinesWork

The best way to stop measles outbreaks is to ensure that children everywhere are vaccinated against this preventable disease

MEASLES RESOURCES

- Measles-Containing Vaccine Coverage Data [VIEW-hub]
- How to Protect Your Children During a Measles Outbreak
 [American Academy of Pediatrics]
- A Look at Each Vaccine: Measles, Mumps and Rubella (MMR) Vaccine [Vaccine Education Center, Children's Hospital of Philadelphia]
- Measles, Mumps, and Rubella (MMR) Vaccination: What Everyone Should Know [CDC]
- Top 4 Things Parents Need to Know about Measles [CDC]
- Measles once devastated the world like COVID. It still threatens us today [The Hill]

#VaccinesWork



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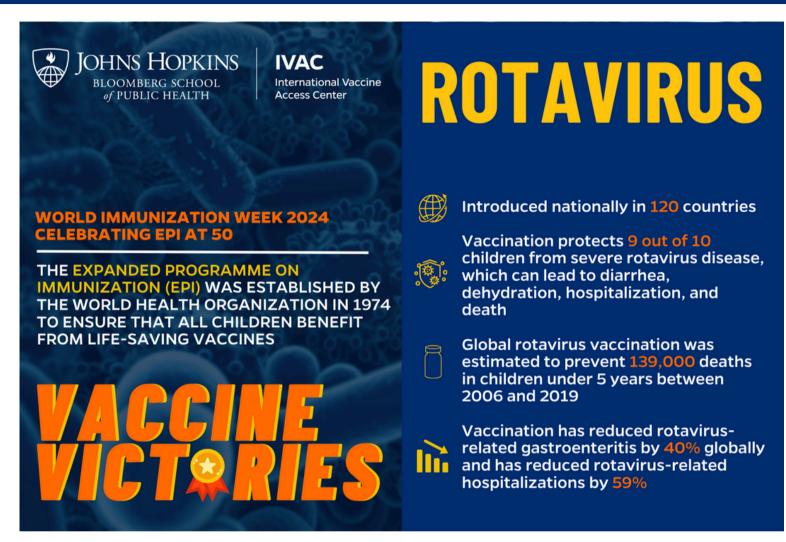
Since its introduction, the rubella vaccine has reduced infections by 78%

#VaccinesWork

▼ A single dose of the rubella vaccine provides 95% long-lasting immunity #VaccinesWork

RUBELLA RESOURCES

- Measles-Rubella Vaccine Introduction Data [VIEWhub]
- A Look at Each Vaccine: Measles, Mumps and Rubella (MMR) Vaccine [Vaccine Education Center, Children's Hospital of Philadelphia]
- Measles, Mumps, and Rubella (MMR) Vaccination:
 What Everyone Should Know [CDC]
- Pregnancy and Rubella [CDC]
- Rubella: Questions and Answers [Immunize.org]



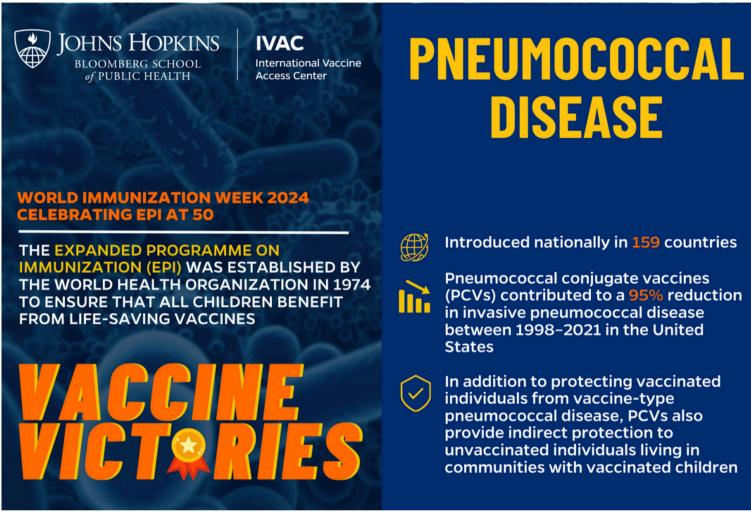
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ROTAVIRUS RESOURCES

- Rotavirus Disease and Immunization:
 Series of Briefs [ROTA Council]
- A Look at Each Vaccine: Rotavirus
 Vaccine [Vaccine Education Center,
 Children's Hospital of Philadelphia]
- Rotavirus: Questions and Answers [Immunize.org]
- Rotavirus Vaccine: What You Need to Know [American Academy of Pediatrics]

- Vaccination protects 9 in 10 children from severe rotavirus disease, which can lead to diarrhea, dehydration, hospitalization, and death #VaccinesWork
- ▼ Between 2006–2019, rotavirus vaccination prevented an estimated 139,000 deaths in children under 5 #VaccinesWork



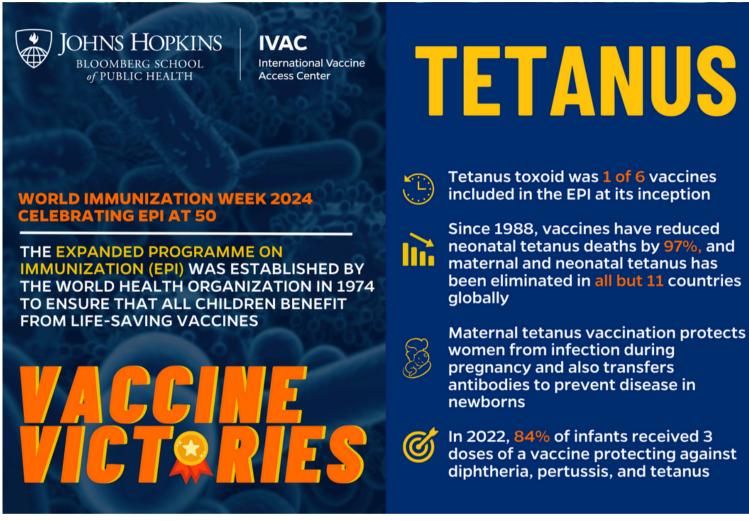
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- Pneumococcal conjugate vaccines have helped to reduce invasive pneumococcal disease by 95% in the US #VaccinesWork
- ▼ Beyond just protecting vaccinated children from vaccine-type pneumococcal disease, PCVs also provide indirect protection to unvaccinated individuals #VaccinesWork

PNEUMOCOCCUS RESOURCES

- Pneumococcal Conjugate Vaccine (PCV)
 Coverage Data [VIEW-hub]
- A Look at Each Vaccine: Pneumococcal
 Vaccine [Vaccine Education Center, Children's
 Hospital of Philadelphia]
- Pneumococcal Conjugate Vaccine: What You Need to Know [American Academy of Pediatrics]



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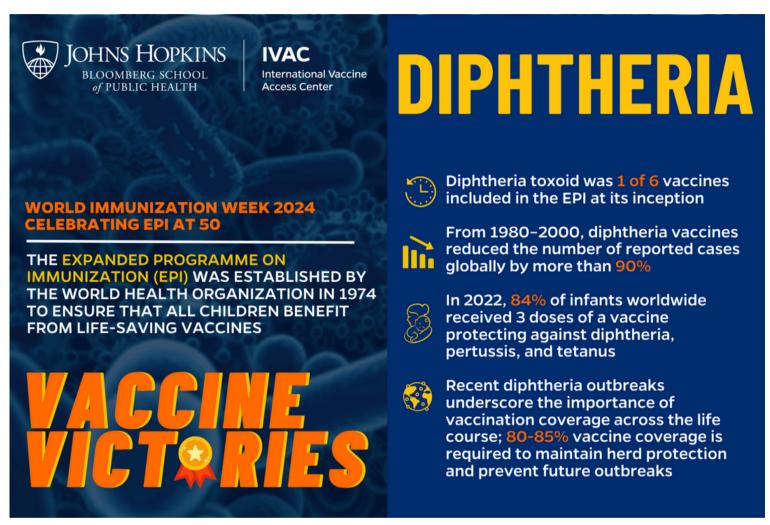
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TETANUS RESOURCES

- A Look at Each Vaccine: Diphtheria,
 Tetanus and Pertussis Vaccines
 [Vaccine Education Center, Children's
 Hospital of Philadelphia]
- TDAP Vaccine: What You Need to Know [American Academy of Pediatrics]
- ▼ Vaccinating pregnant women against tetanus not only protects them from infection during pregnancy, but also transfers antibodies to prevent disease in newborns

 #VaccinesWork
- The use of tetanus vaccines has reduced neonatal tetanus deaths by 97%

 #VaccinesWork



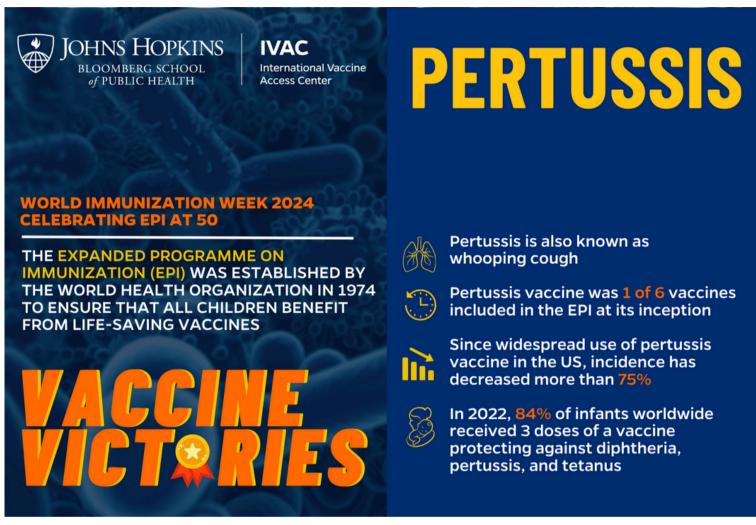
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DIPHTHERIA RESOURCES

- A Look at Each Vaccine: Diphtheria,
 Tetanus and Pertussis Vaccines
 [Vaccine Education Center, Children's
 Hospital of Philadelphia]
- TDAP Vaccine: What You Need to Know [American Academy of Pediatrics]

- The diphtheria vaccine is highly effective, reducing the number of cases globally by more than 90% from 1980–2000 #VaccinesWork
- To maintain herd protection and prevent outbreaks, we need to continue efforts to ensure children everywhere have access to diphtheria vaccines #VaccinesWork



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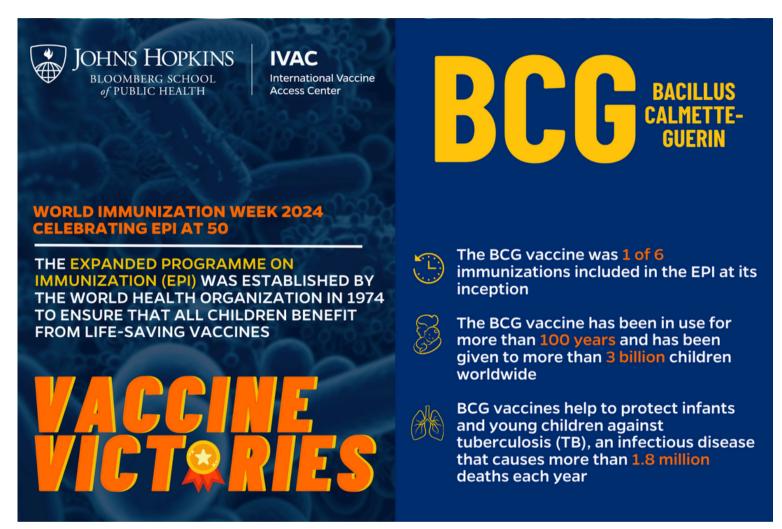
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Pertussis (aka whooping cough) incidence has decreased more than 75% in the US since widespread use of pertussis vaccine #VaccinesWork

In 2022, 84% of infants around the world received 3 doses of a vaccine protecting against diphtheria, pertussis, and tetanus #VaccinesWork

PERTUSSIS RESOURCES

- A Look at Each Vaccine: Diphtheria,
 Tetanus and Pertussis Vaccines [Vaccine Education Center, Children's Hospital of Philadelphia]
- TDAP Vaccine: What You Need to Know [American Academy of Pediatrics]



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SHARE ON SOCIAL MEDIA

BCG RESOURCES

- The Other Pandemic: The Promise of TB Vaccines [VolCE]
- Questions and Answers About Tuberculosis [CDC]
- BCG Vaccine Fact Sheet [CDC]
- More than 3 billion children have been vaccinated with the BCG vaccine since its introduction more than 100 years ago #VaccinesWork
- TB causes more than 1.8 million deaths around the world each year, but BCG vaccines can help to protect infants and young children from this devastating disease #VaccinesWork

RESOURCES ON VACCINE MISINFORMATION

Uinfluence

A part of UNICEF's Digital Community Engagement Initiative, UInfluence is an interactive digital platform that promotes accurate messaging around vaccination, including topics such as polio and COVID-19.

Vaccine Misinformation Management Field Guide

UNICEF, First Draft, Yale Institute for Global Health, and PGP (The Public Good Projects) partnered to create a guide that aims to help organizations rapidly counter vaccine misinformation and build demand for vaccinations that are informed by social listening. The guide is available in multiple languages.

Fighting Polio Vaccine Misinformation

This article catalogues several UNICEF and country-specific initiatives to eradicate vaccine misinformation.

Misinformation: A Strategic Approach

This webinar from the Sabin Vaccine Institute and UNICEF delves into strategies for immunization professionals to manage vaccination misinformation, including an evidence-based review of the impact of misinformation on vaccination.

Community-led Strategies to Aid Vaccine Acceptance: Nine Case Studies from Around the World

The Sabin Vaccine Institute's 2021-2022 Social and Behavioral Grants Program partners worked to apply a range of social and behavioral science approaches to investigate and inform locally suitable solutions to support acceptance and uptake of COVID-19 vaccination, develop strategies to address the misinformation within the COVID-19 infodemic, and assess the impact of the pandemic on routine vaccination among hard-to-reach communities and zero-dose populations. Each case study has been compiled to inform action and investment around the globe that seek to build more vaccine confident communities.

Countering Online Misinformation Resource Pack

This UNICEF resource provides easy access to various tools (reports, toolkits, journal articles, and more) that can support the development of tactics and plans to counter misinformation. The pack also provides a summary of what the research indicates as potential solutions to tackle misinformation.

RESOURCES FOR ADVOCATES

Vaccine Safety: Get the Facts (American Academy of Pediatrics)

All About the Recommended Immunization Schedules (American Academy of Pediatrics)

Children's Hospital of Philadelphia Vaccine Education Center

healthychildren.org

vaccineinformation.org (For the General Public) | immunize.org (For Healthcare Providers)

CDC-Supported Multi-Language Vaccine Information Statements (VIS)

voicesforvaccines.org

REFERENCES

HPV

- VIEW-hub HPV module
- WHO HPV
- WHO Global strategy to accelerate the elimination of cervical cancer as a public health problem
- CDC Cancers Caused by HPV are Preventable

Polio

- VIEW-hub IPV module
- CDC Polio Vaccination: What Everyone Should Know
- WHO Poliomyelitis

Hib

- VIEW-hub Hib module
- WHO Immunization Coverage
- CDC About Hib Vaccines
- CDC Hib Vaccination: What Everyone Should Know

Hepatitis B

- CDC Hepatitis B FAOs
- WHO Hepatitis B
- Hepatitis B Foundation Vaccine for Hepatitis B
- Flores et al., 2022

Measles

- WHO Essential Programme on Immunization
- VIEW-hub MCV module
- CDC About Global Measles, Rubella, and Congenital Rubella Syndrome
- WHO Measles

Rubella

- CDC Progress Toward Rubella and Congenital Rubella Syndrome Elimination Worldwide, 2012-2022
- CDC About Global Measles, Rubella, and Congenital Rubella Syndrome
- WHO Rubella

Pneumococcal Disease

- VIEW-hub PCV module
- CDC Pneumococcal Disease: Surveillance and Reporting
- WHO Pneumococcal conjugate vaccines in infants and children under 5 years of age: WHO position paper -February 2019

Tetanus

- WHO Essential Programme on Immunization
- WHO Maternal and Neonatal Tetanus Elimination
- WHO Tetanus vaccines: WHO position paper February 2017
- WHO Global immunization efforts have saved at least 154 million lives over the past 50 years

Diphtheria

- WHO Essential Programme on Immunization
- WHO Diphtheria vaccine: WHO position paper August 2017
- WHO Global immunization efforts have saved at least 154 million lives over the past 50 years

Pertussis

- WHO Essential Programme on Immunization
- CDC Pinkbook: Pertussis
- WHO Global immunization efforts have saved at least 154 million lives over the past 50 years

BCG

- WHO Essential Programme on Immunization
- Cernuschi et al., 2018
- WHO BCG vaccine