



**Indiana**  
**Department**  
**of**  
**Health**

# Where We Are With Childhood Vaccines 2022

## IDOH Immunization Division

Dave McCormick, Division Director

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Kayla Murphy, Data & Surveillance Coordinator

June 21, 2022

# Conflict of Interest Statement

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No one with the ability to control content of this session (or educational activity) has a relevant financial relationship with an ineligible company.

OUR MISSION:

**To promote, protect, and improve  
the health and safety of all Hoosiers.**

OUR VISION:

**Every Hoosier reaches optimal health  
regardless of where they live, learn,  
work, or play.**



# Purpose

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The purpose of this session is to overview where we have been during the pandemic and to look ahead to where we are going in 2022 and beyond with childhood vaccines

- \*Catching Up

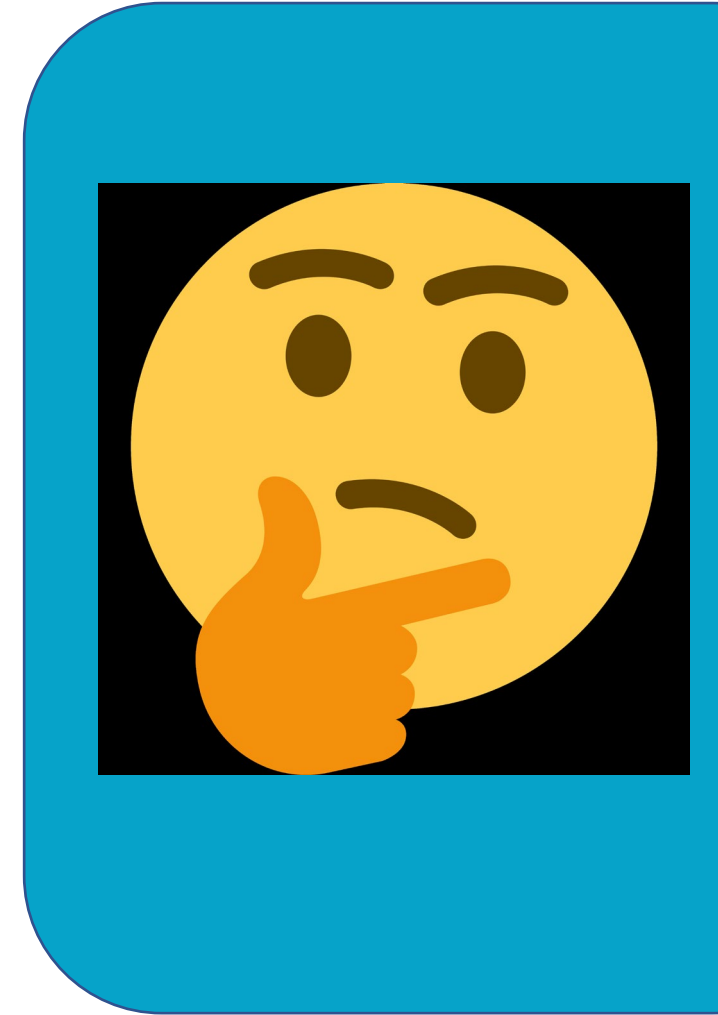
- \*Keeping Current and

- \*Continuing to Positively Impact the Children of Indiana

# Learning Agenda

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1. Show the impact the pandemic has had on childhood vaccinations
2. Familiarize participants with Immunization Data Tools
3. Overview IDOH Immunization Policy Strategies
4. Communicate School Immunization Requirements
5. Provide resources to help achieve improved school-age vaccination rates



# ICEBREAKER

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We like to know who is in the audience and so we would like for each of you to:

1. Tell us your name
2. Tell us where you work and what your role is with school aged health issues
3. Tell us what your favorite movie is 😊

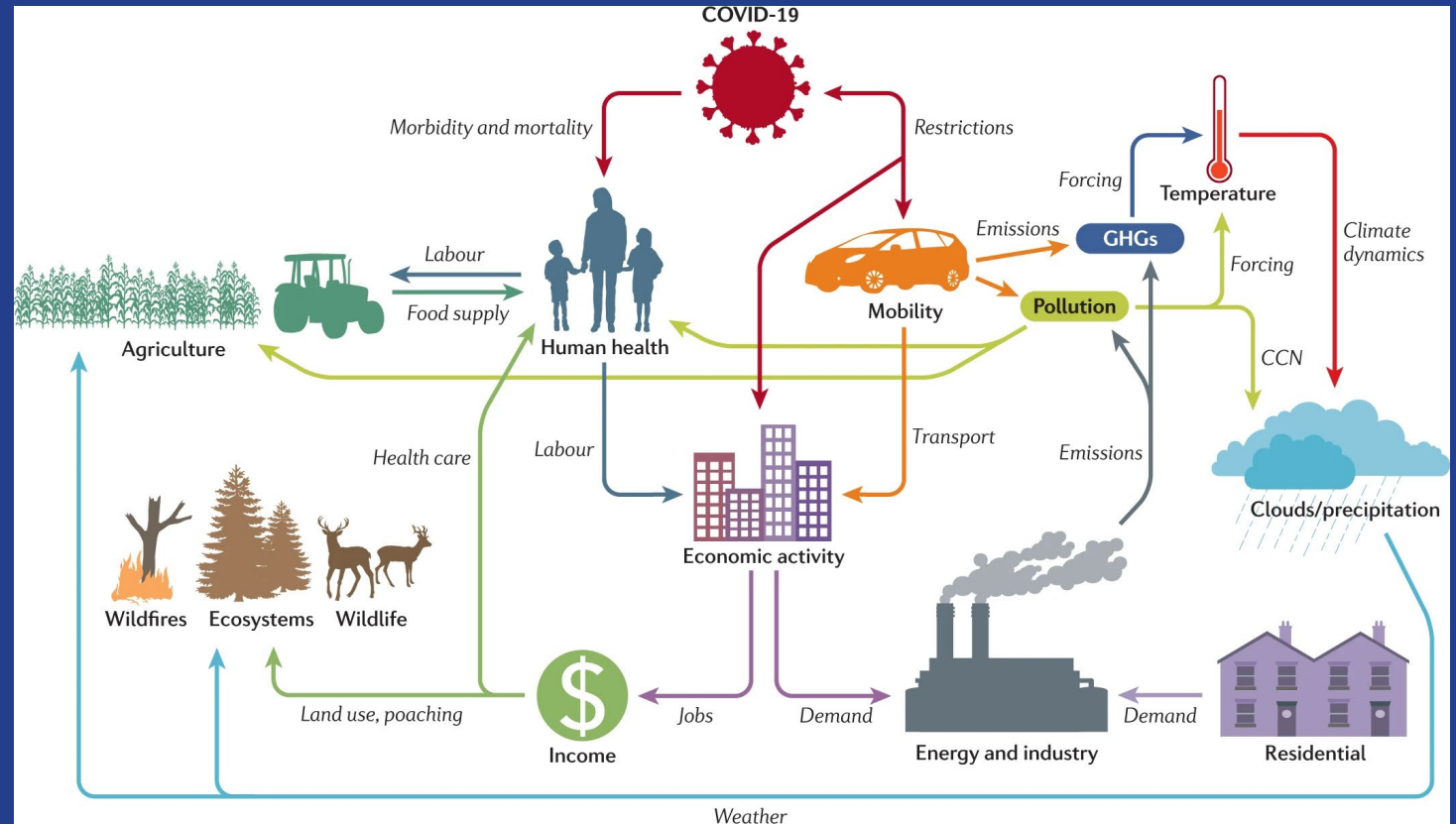




# Impact of COVID Pandemic on Childhood Vaccinations

# C-19 Impact

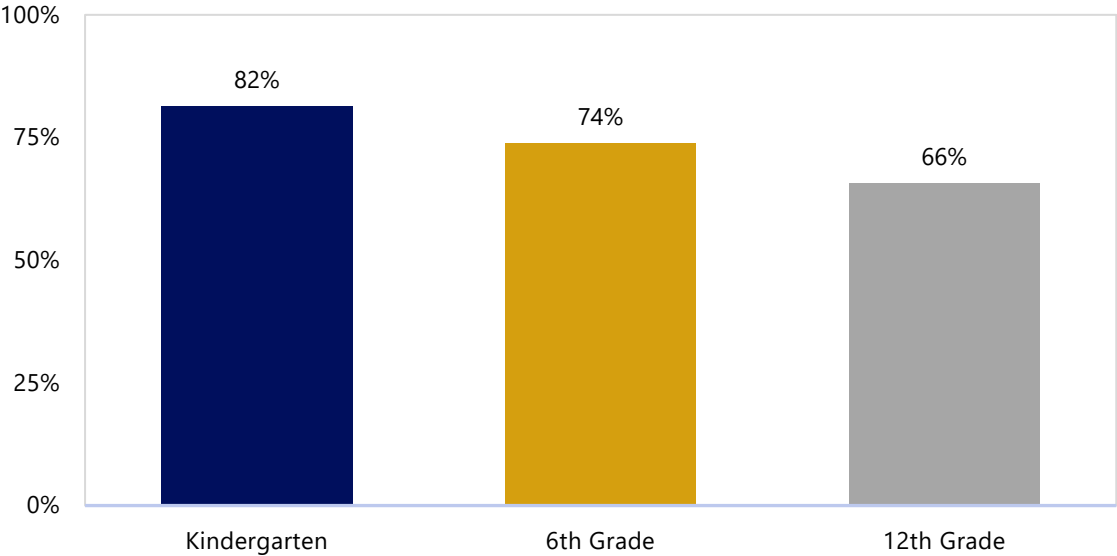
- The COVID-19 pandemic has disrupted lives globally, altering the socioeconomic landscape at the same time that it posed substantial challenges to healthcare systems
- To assess its impact on immunizations, we need to consider all of the ways COVID-19 changed our world



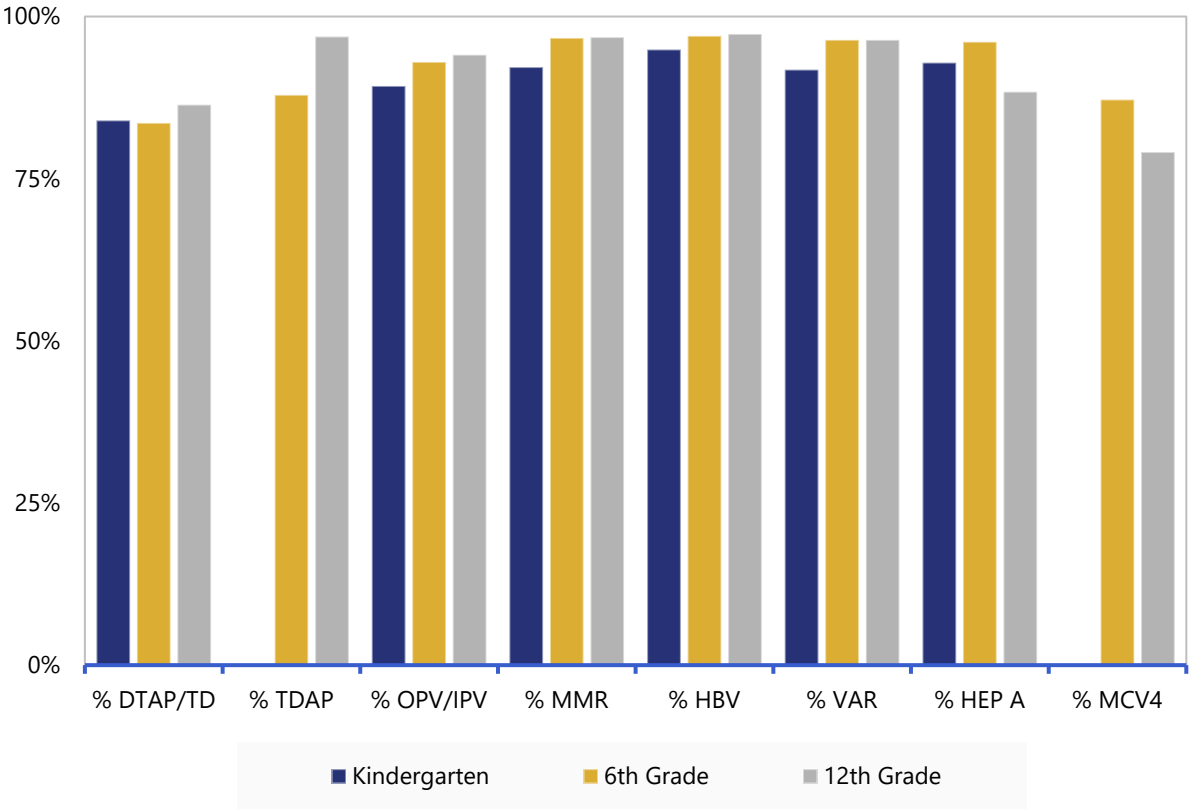


# Indiana 2021-2022 School Vaccination Rates\*

Indiana's Completion Rate by Grade, 2021-2022

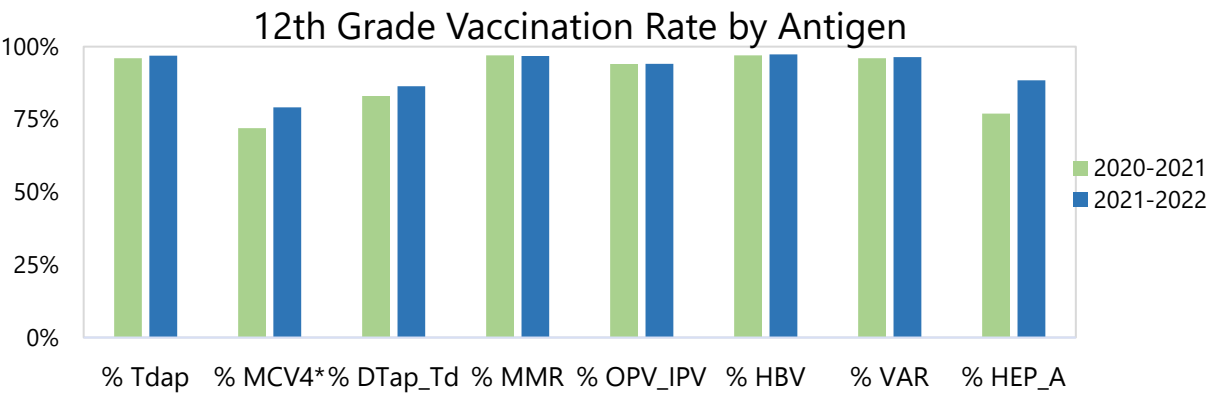
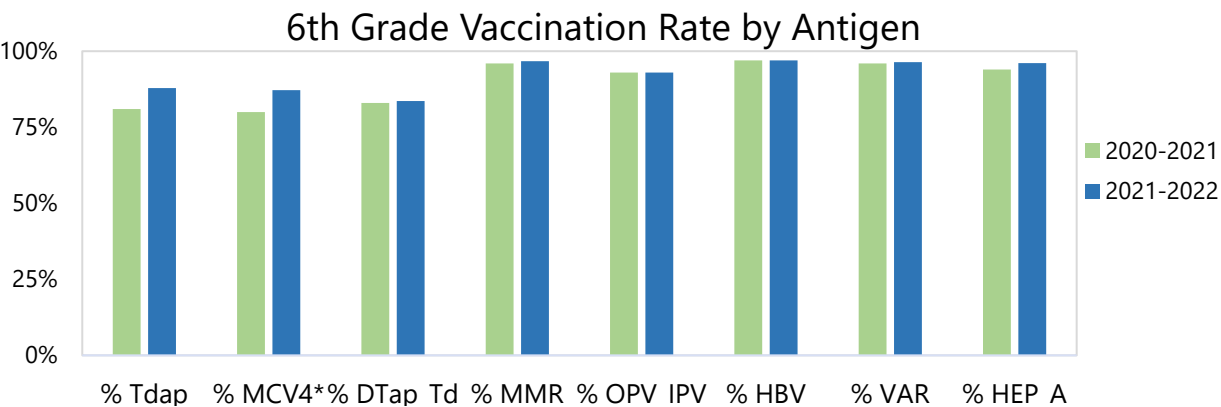
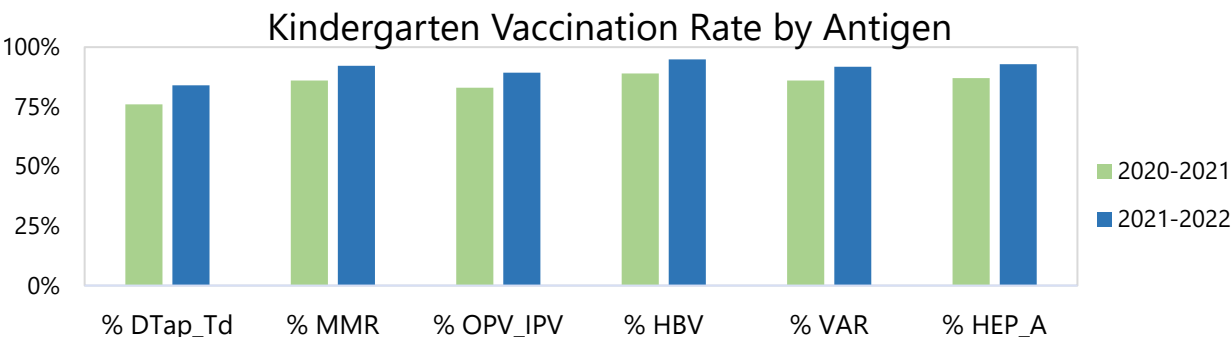
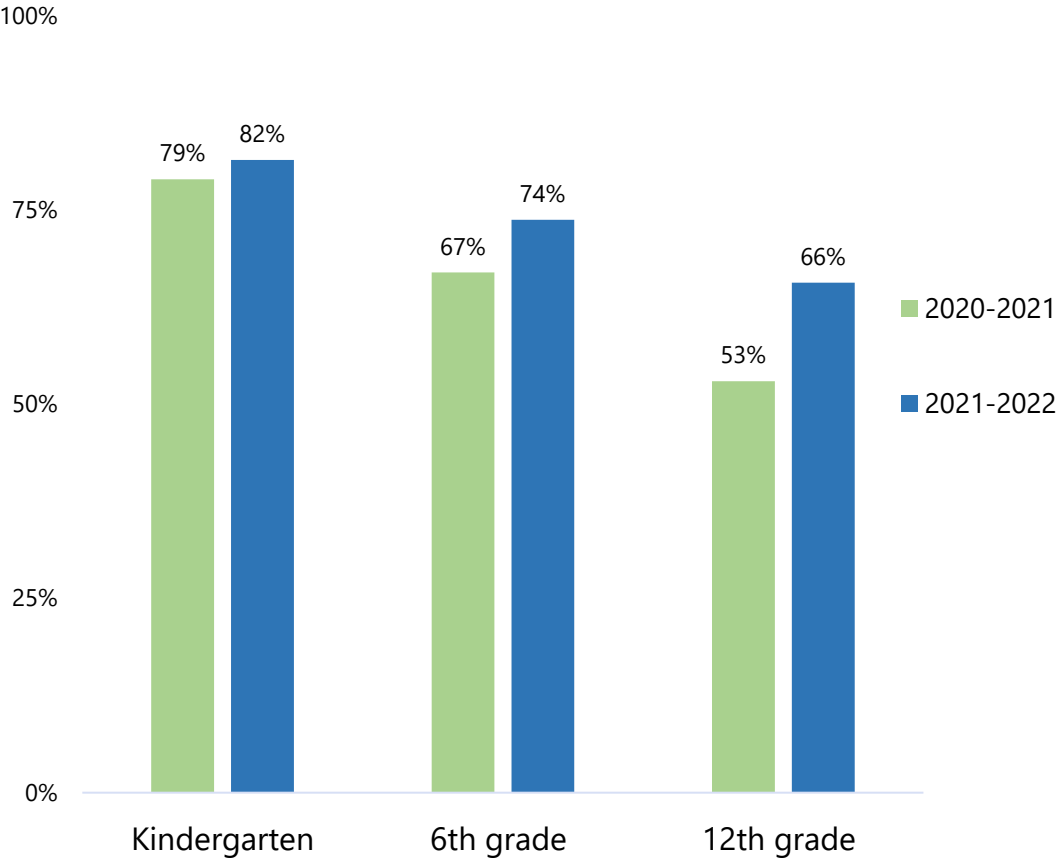


Indiana's School Immunization Rates, 2021-2022



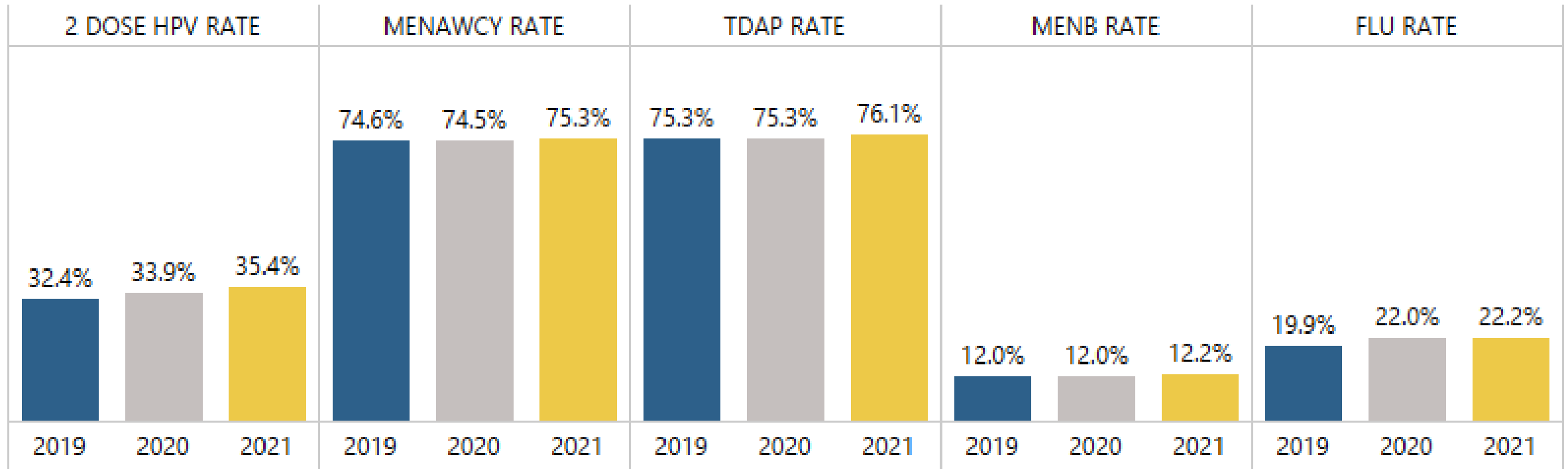
# Compare school data

## Indiana's Completion Rate, 2021 & 2022 School Years

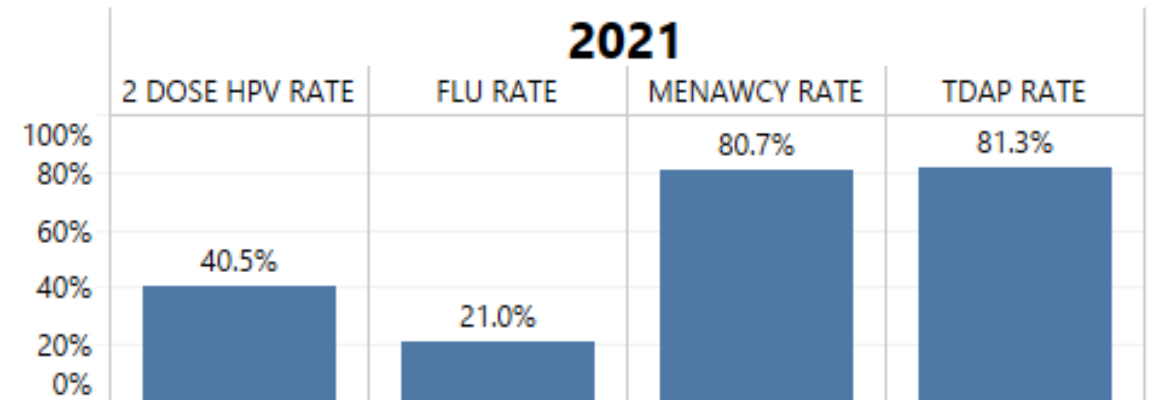
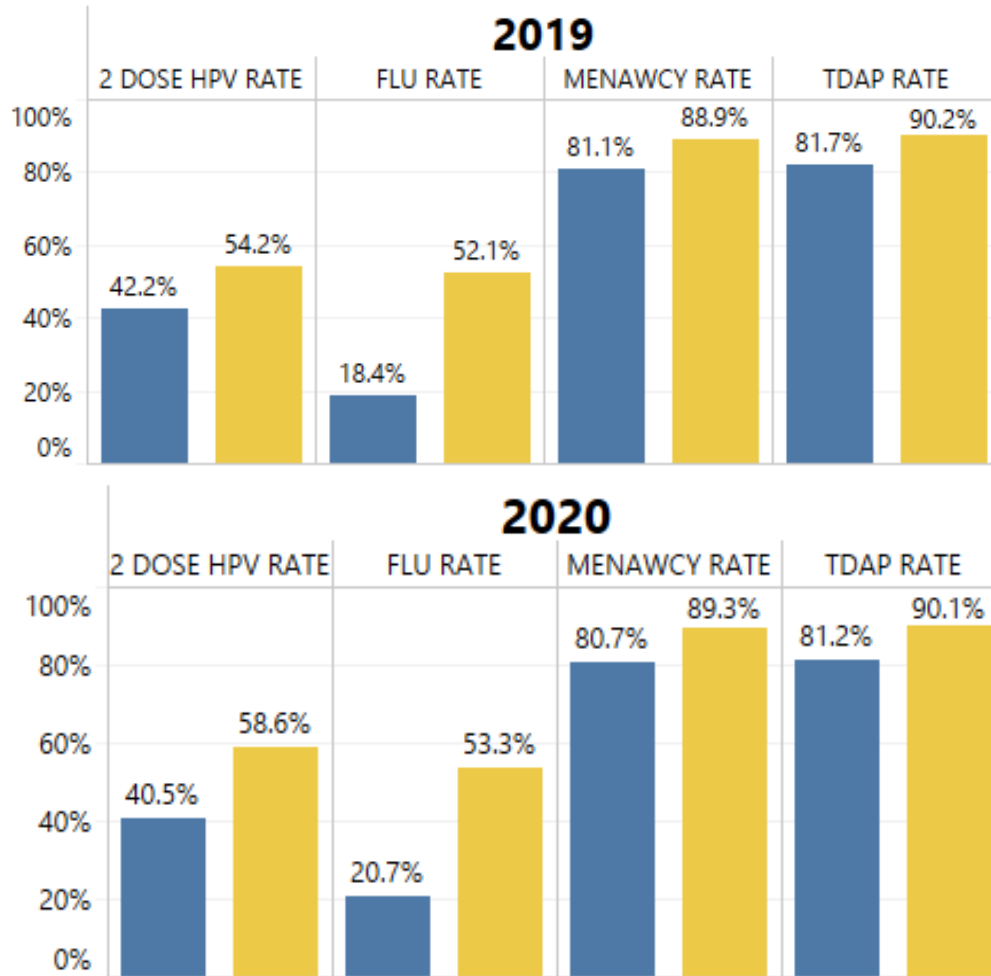


# INDIANA 11 to 18 years old, 2019-2021

**11-18 year old Vaccination Rate, Indiana, 2019-2021**

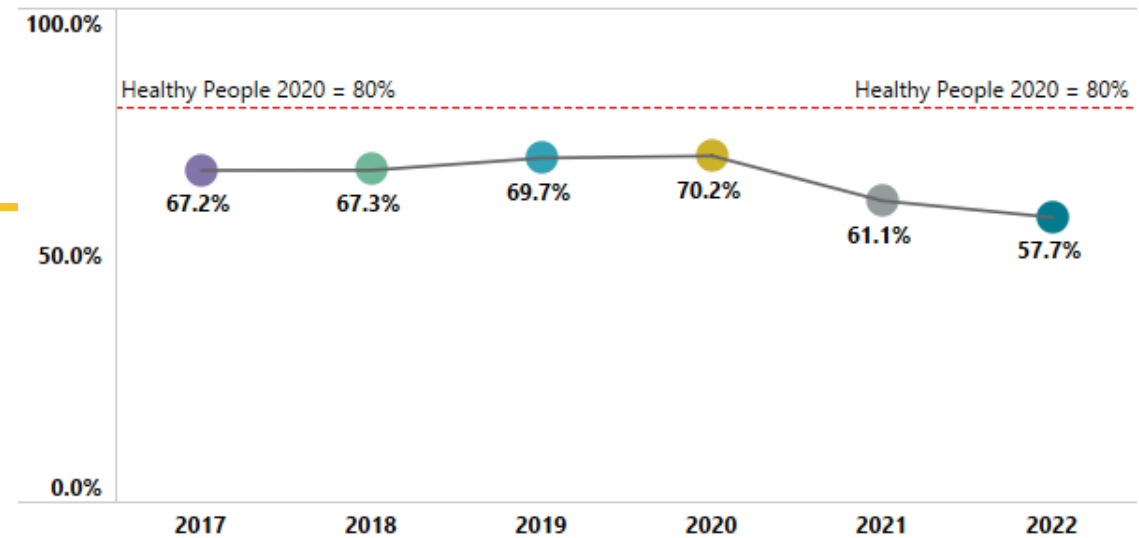


# INDIANA vs NATIONAL RATES 13 to 17 years old, 2019-2020

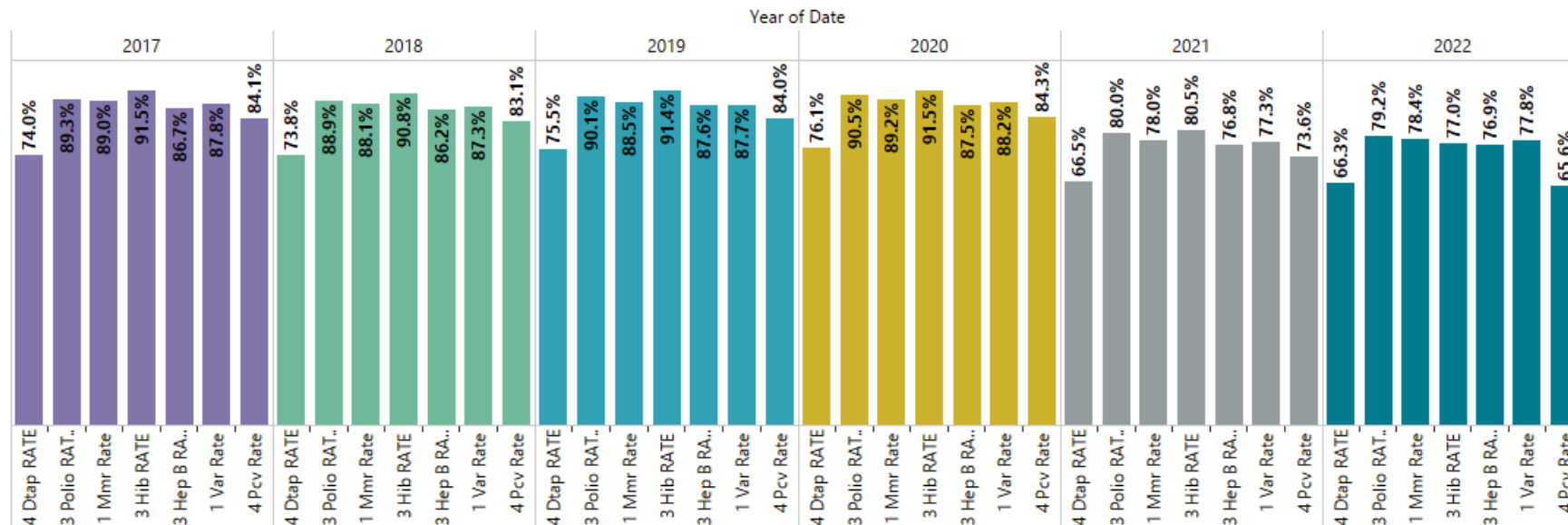


Data for US comes from the Nation Immunization Survey – Flu and National Immunization Survey – Teen

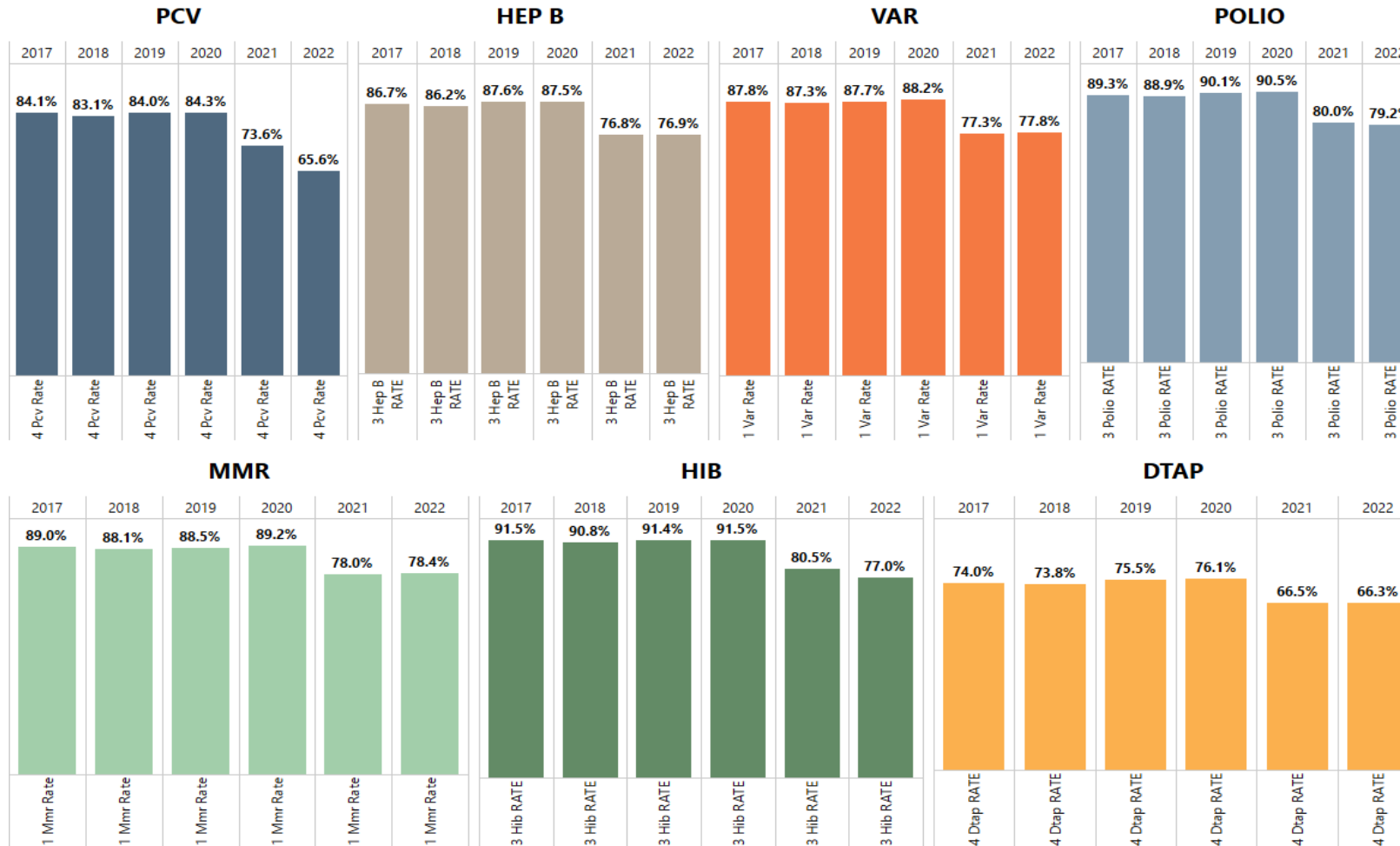
# County Rate Assessment 19-35 months, 2017-2022



## ANTIGENS RATE OVER PAST 5 YEARS

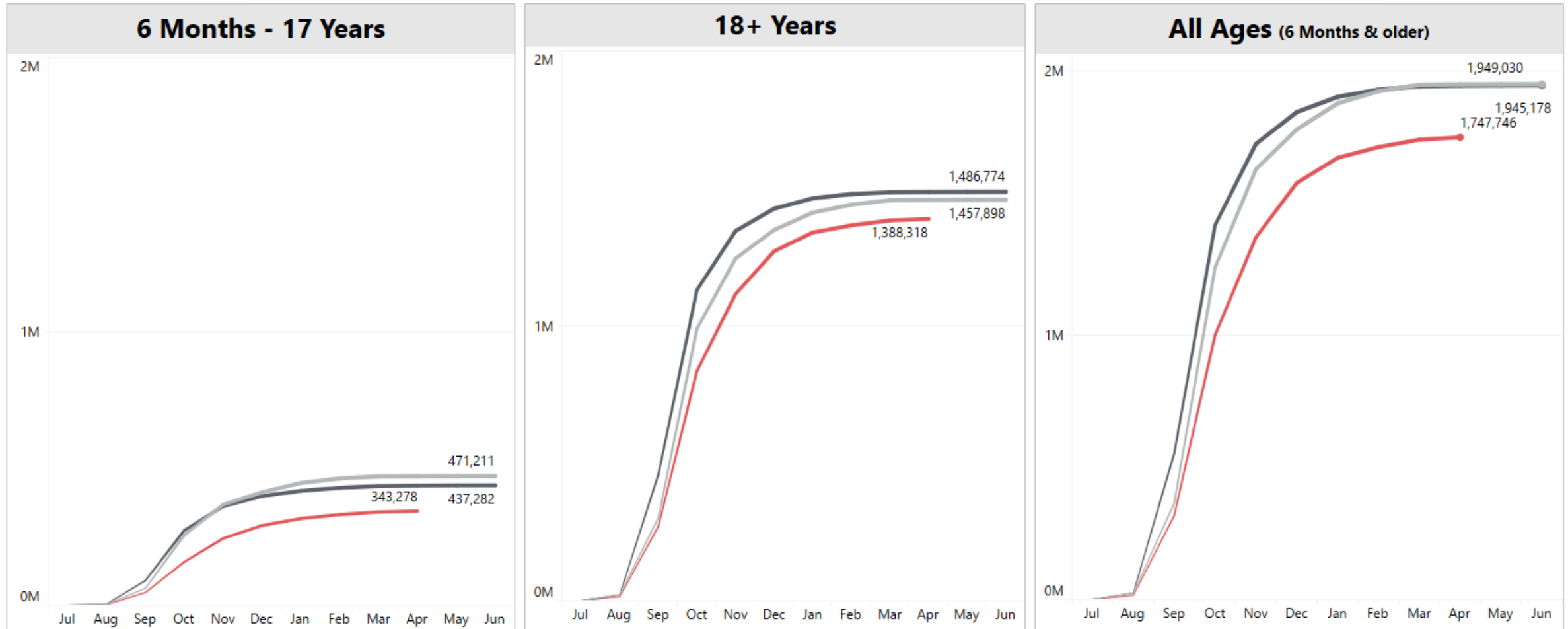


# County Rate Assessment 19-35 months by antigen, 2017-2022



# Influenza – Doses administered by flu season, Indiana

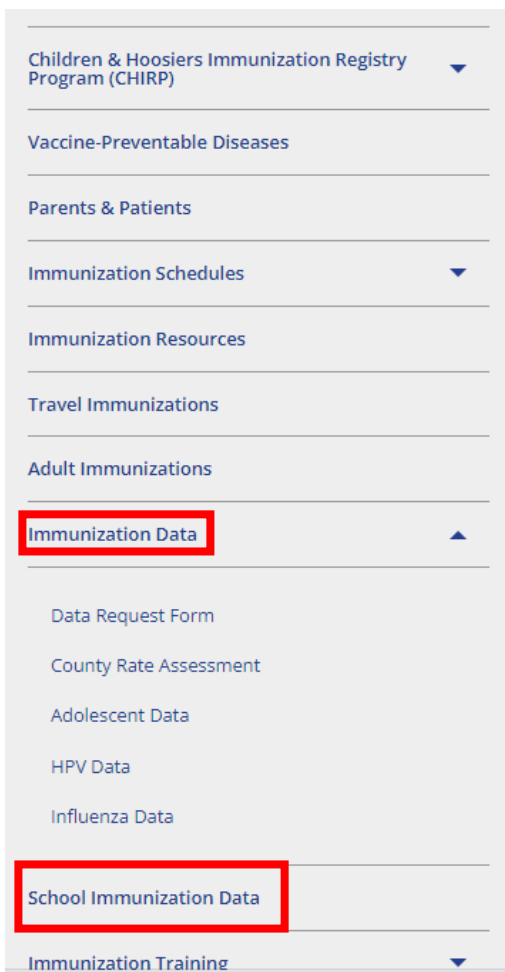
Flu Season  
2019-2020  
2020-2021  
2021-2022





# Immunization Data Tools





### [COVID-19 Vaccine \(Click Here\)](#)

## Indiana School Immunization Requirements

The Indiana Department of Health Immunization Program strives to prevent disease, disability and death in adults through vaccination.

- [2023-2024 School Immunization Requirements](#)
- [2023-2024 Vacunas escolares requeridas y recomendadas](#)
- [2022-2023 School Immunization Requirements](#)
- [2022-2023 Vacunas escolares requeridas y recomendadas](#)
- [2021-2022 School Immunization Requirements](#)
- [2021-2022 Vacunas escolares requeridas y recomendadas](#)
- [Dr. Box Letter to School Nurses regarding School Immunization Requirements \(August 21 2020\)](#)

# 2021-2022 Annual School Reports Cards



## 2021-2022 6<sup>th</sup> Grade Student Vaccination Coverage Report Card

~~North Intermediate School East~~  
~~North Community School Corp~~

### Your schools result at a glance:

- ✓ CHIRP School Nurse Module records are available for **100%** of 6<sup>th</sup> grade students attending your school.<sup>1</sup>
- ✓ **61%** of your 6<sup>th</sup> grade students have completed all vaccines and/or exemption requirements required for school attendance.<sup>2,3</sup>
- ✓ **95%** of your students should be vaccinated against these serious diseases to achieve herd immunity and prevent disease outbreaks.
- ✓ **73%** of middle schools in Indiana have higher completion rates than your school.<sup>1</sup>

	School Year	Number of 6 <sup>th</sup> graders enrolled, DOE	No./Percent of 6 <sup>th</sup> graders in CHIRP <sup>2,7</sup>	Percent Complete <sup>3,7</sup>	Percent Out of Compliance <sup>5,7</sup>	Percent Exempt – Medical <sup>4,7</sup>	Percent Exempt – Religious <sup>5,7</sup>	Tdap <sup>7,8,9</sup>	MCV4 – 1 dose <sup>7,8,9</sup>	DTaP/Td <sup>7,8,9</sup>	MMR <sup>7,8,9</sup>	Polio <sup>7,8</sup>	Hepatitis B <sup>7,8</sup>	Varicella <sup>7,8,9</sup>	Hepatitis A <sup>7,8</sup>
All Reported Middle Schools	2021-2022	83,517	66,021 79%	73%	26%	0.3%	1.9%	86%	85%	84%	97%	93%	97%	96%	96%
	2020-2021	84,448	61,572 73%	67%	31%	0.3%	1.7%	81%	80%	83%	96%	93%	97%	96%	94%
<del>North Intermediate School East</del> <del>North Community School Corp</del>	2021-2022	386	387 100%	61%	39%	0.0%	0.0%	77%	76%	313%	94%	89%	95%	94%	95%
	2020-2021	417	418 100%	61%	39%	0.2%	0.2%	77%	74%	83%	98%	93%	99%	98%	98%

\*Superscripts found in this report card are defined on pages 2 and 3 of the reference guide under the section titled, "How do I read the report cards?"



2 North Meridian Street • Indianapolis, IN 46204  
317.233.1325  
www.statehealth.in.gov

To promote, protect, and  
improve the health and safety  
of all Hoosiers.



- Data due in CHIRP by the 1<sup>st</sup> Friday in February
- Data run end of February 2022
- 4th year for annual report cards
- Kindergarten, 6<sup>th</sup> grade, 12<sup>th</sup> grade

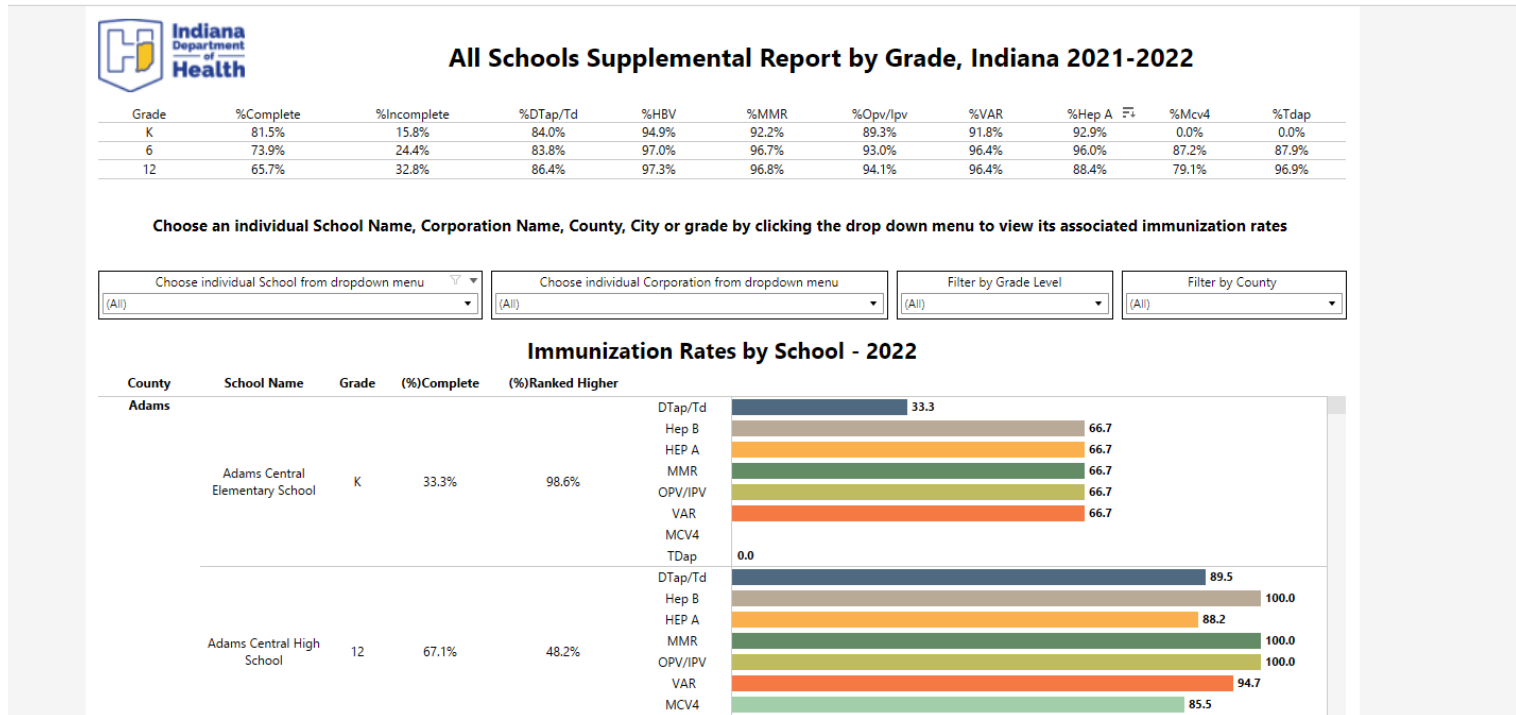
# 2022 Supplemental School Report

- [School Immunization Data](#) tab on our website

- Data as of April 15, 2022

- Second year for supplemental to reflect whole year

- Search by school, corporation, and county



<https://www.in.gov/health/immunization/school-immunization-data/>

# IDOH Immunization Data Request form

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Link to form: <https://redcap.isdh.in.gov/surveys/?s=JPKXHH8KYX>

**Or:**

On our website:

<https://www.in.gov/health/immunization/immunization-data/data-request-form/>

QR code to link:



Please reach out if you have further questions regarding this new data request process:

Kayla Murphy, [kaymurphy@isdh.in.gov](mailto:kaymurphy@isdh.in.gov)

Tami Johnson, [tamjohnson1@isdh.in.gov](mailto:tamjohnson1@isdh.in.gov)

# Immunization Division's Data Website

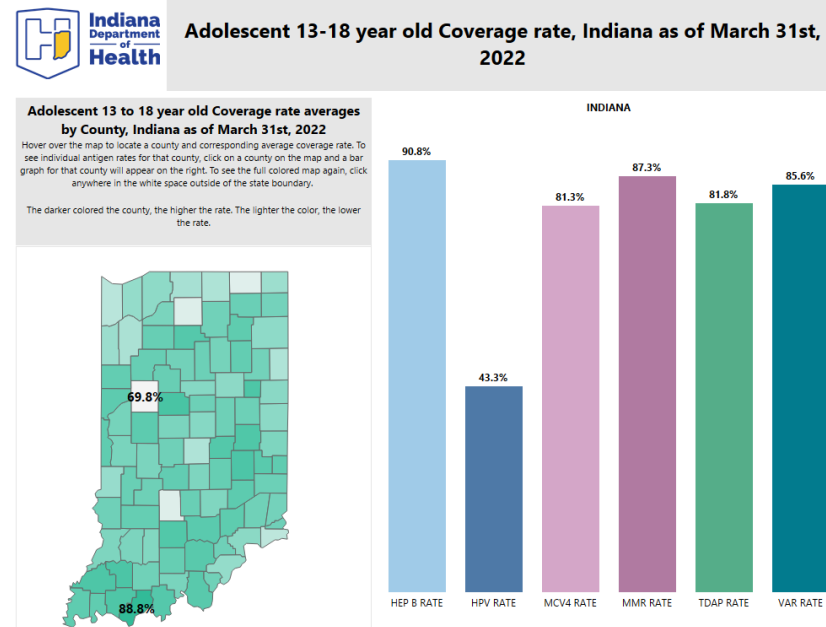
-New tab for current data!

<https://www.in.gov/health/immunization/immunization-data/>

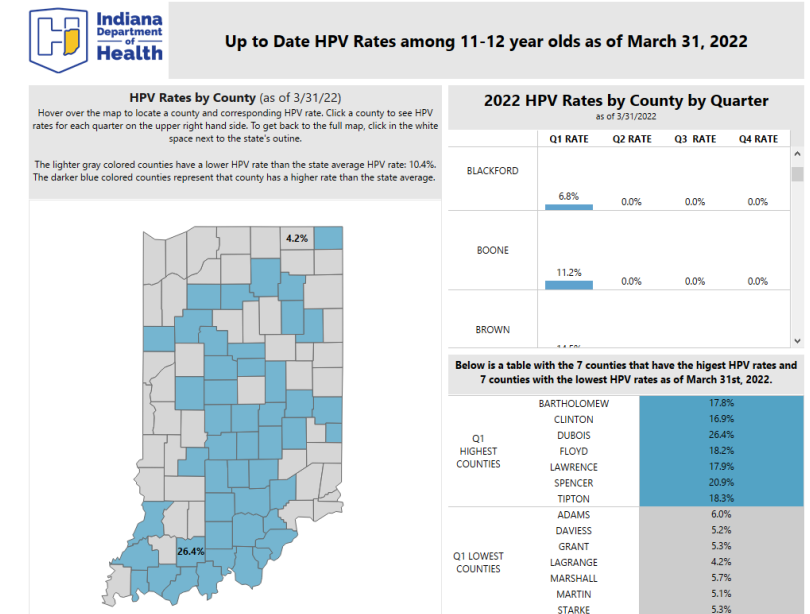
## EXAMPLES:

- Includes interactive dashboards that provide current data – will be updated quarterly

Adolescent data dashboard:

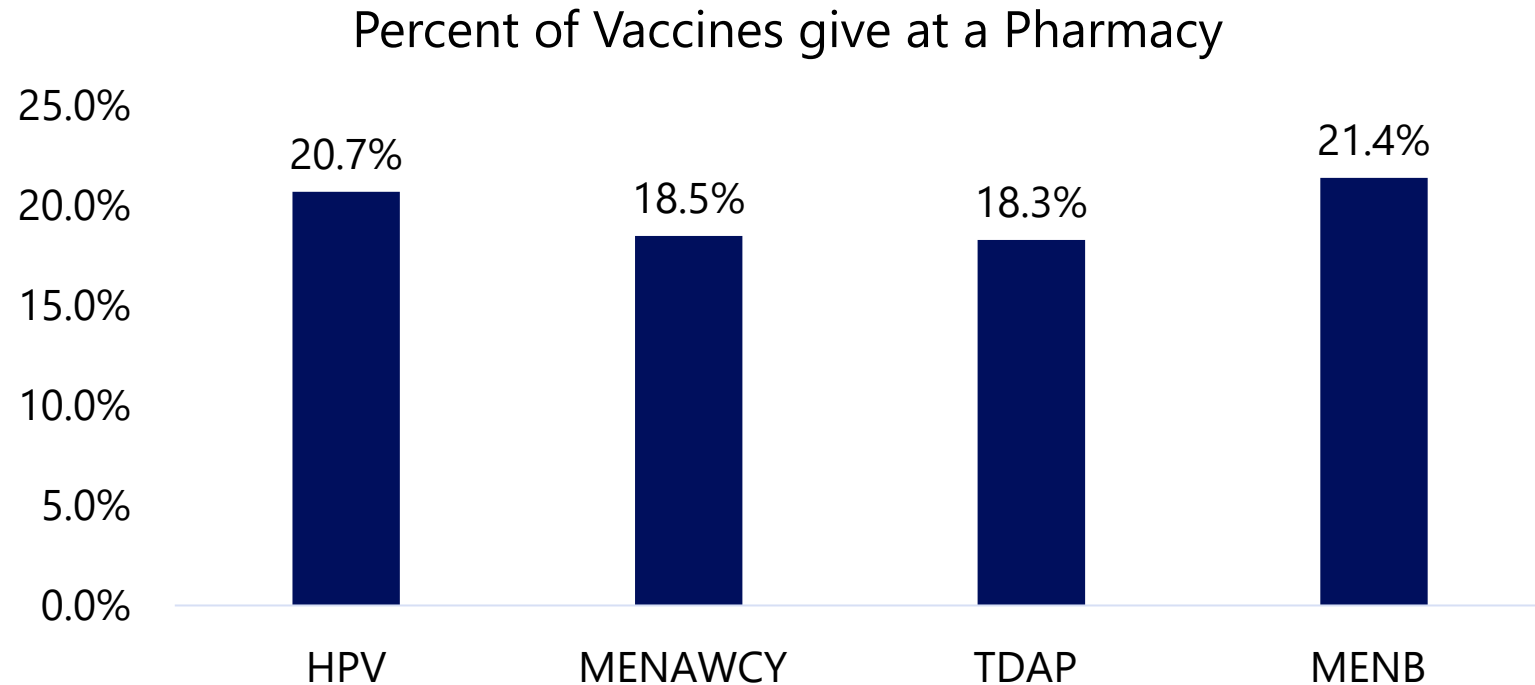


HPV data dashboard:



# Rate of Vaccine Given at a Pharmacy in Indiana, 2021 for 11 to 18 year olds

- **16% of 11 to 18 year olds** went to a pharmacy to have a least one in Indiana as of 12/31/2021
- **20.7%** of the total number of HPV vaccines were given at a pharmacy for 11-18 years olds as of 12/31/21



# On the Horizon...

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Enrolling pharmacies in VFC

- \*Independent pharmacies

- \*Major chain pharmacies





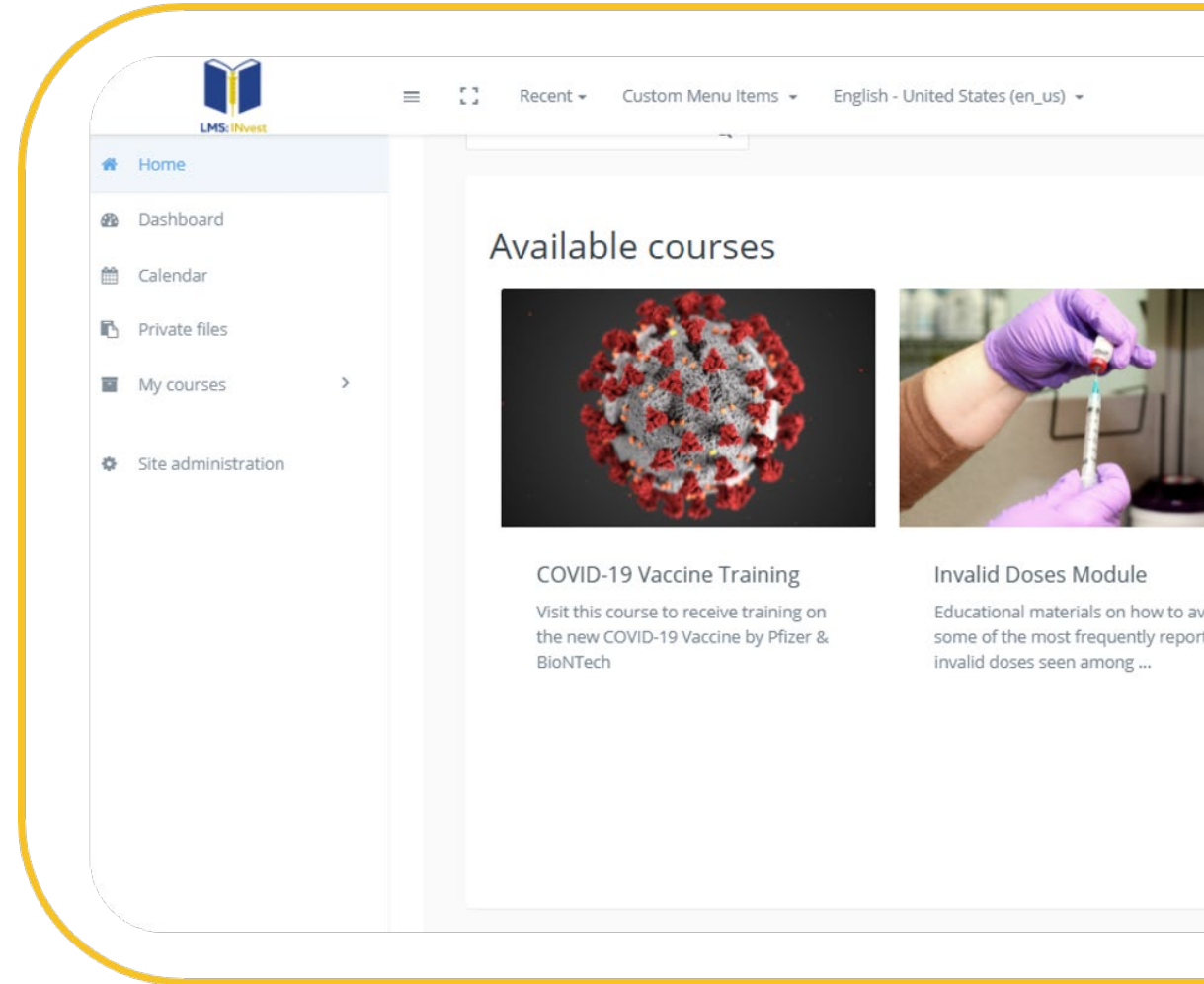
# Immunization Education Opportunities



# Accessing LMS:INvest

The Learning Management System, also known as **LMS: INvest**, will house all of your COVID-19 Vaccine Training needs. Please access your account by following these steps:

1. Login into **CHIRP** [www.chirp.in.gov](http://www.chirp.in.gov)
2. Click '**Dashboard**' on the left-hand side menu
3. Click '**STC|U**'
4. Scroll to the bottom and find **Available Courses**



# Resources LMS Courses

## Available courses



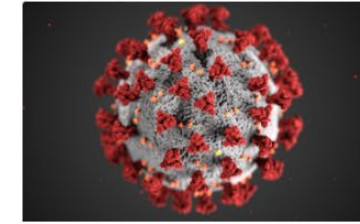
### VACCINES FOR CHILDREN - YOU CALL THE SHOTS

You Call the Shots is an interactive, web-based immunization training course. It consists of a series of...

## Available courses



### Division of Immunization



#### For Division Staff Review

This course is for division staff to review existing modules.

#### Storage and Handling Training

Take this course to learn about the storage and handling requirements as required by IDOH Immunization...

#### Vaccines for Children Annual Provider Training

Vaccines for Children (VFC) Provider Annual Training providing an overview of the VFC program, storage...

#### COVID-19 Vaccine Training

Visit this course to receive training on the new COVID-19 Vaccines available in the US



Recent Custom Menu Items

TAMARA JOHNSON

## Available courses



#### Invalid Doses and Combination Vaccines Module

Educational materials on how to avoid some of the most frequently reported invalid doses seen among ...



#### Immunizations Division Quick Reference Guides

One stop shop for Immunizations Quick Reference Guides



#### VOMS 2.0 Provider Training

Includes resources and screencasts on VOMS 2.0 for VFC providers



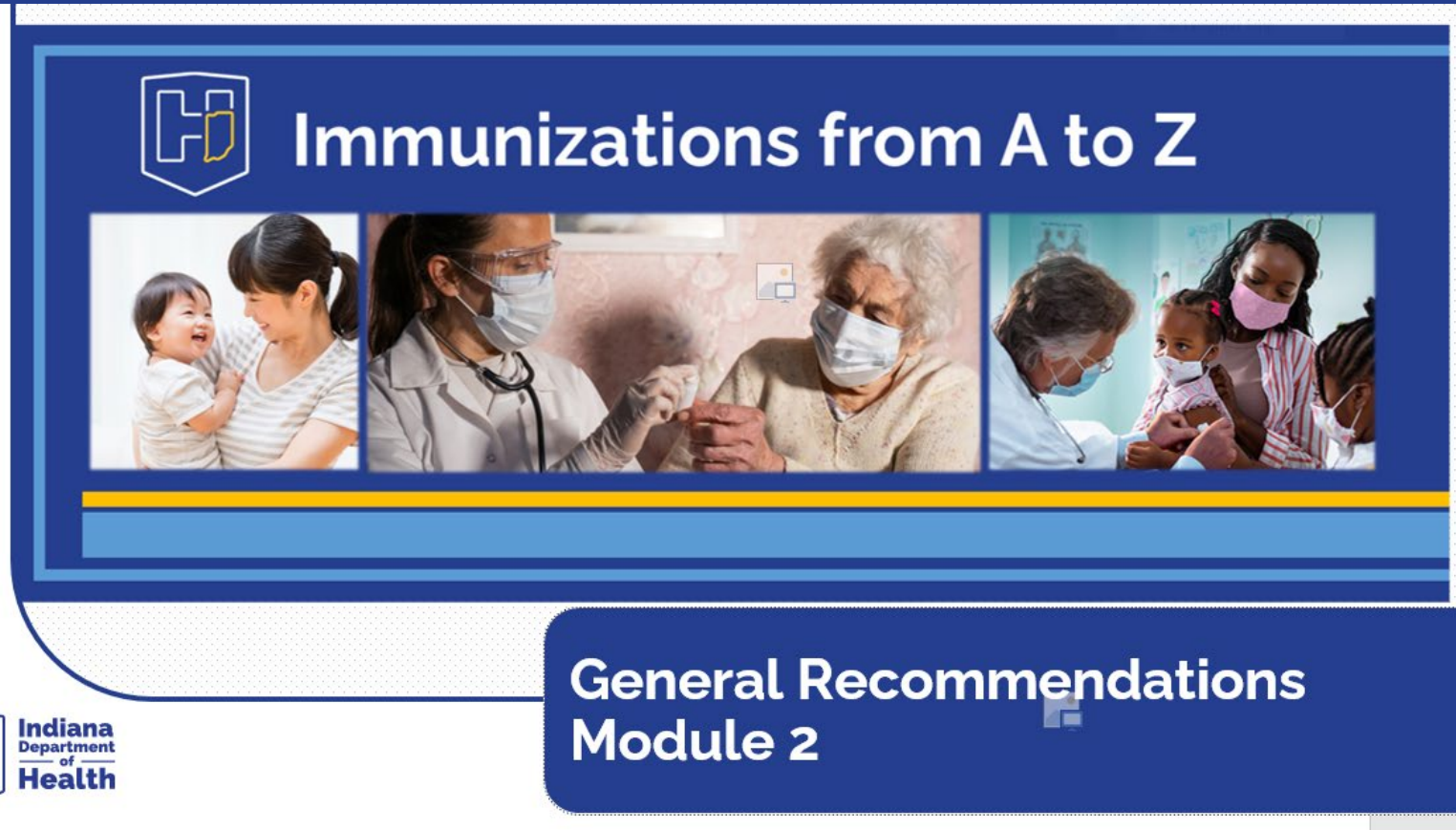
#### School Nurse Module Course

Training for school nurses during the 2021-22 school year to review state requirements for reporting...

[View All Courses](#)

[View All Courses](#)


- Launch in virtual platforms
  - LMS-Self paced
  - Can register as group
- In-Person option later in the year



The graphic features a blue header with the Indiana Department of Health logo and the title "Immunizations from A to Z". Below the title is a horizontal strip of three images: a woman holding a baby, a doctor wearing a mask and gloves examining an elderly woman's arm, and a doctor examining a young child. The bottom right of the graphic contains a dark blue box with the text "General Recommendations Module 2".

## Immunizations from A to Z

General Recommendations  
Module 2

 **Indiana**  
Department  
of  
**Health**

CNE and CME will be available for each module completed

# Resources LMS Courses

Home

My Learning Dashboard

Courses

Media Library

Events


View All

select a category

Search

Search


Cart



ASSIGNED DUE 06/24

VFC Provider Annual Training 2022 (Indiana)


Explore this course →



ASSIGNED DUE 06/24

You Call the Shots - Indiana


Explore this course →



ASSIGNED DUE 06/24

Vaccine Administration


Explore this course →



Completed


Immunizations from A to Z

Explore this course →



Immunizations from A to Z


Talking with Parents about Immunizations



Completed

Immunizations from A to Z


Vaccine Storage & Handling



In Progress

Immunizations from A to Z


Vaccine Preventable Diseases Part 1



In Progress

Immunizations from A to Z

Vaccine Preventable Diseases Part 2



Indiana  
Department  
of  
Health

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# LMS Contact

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For Questions regarding LMS and Access

Sharon Griffin-LMS Coordinator

**Sharon R. Griffin** | *Quality Management & Education Coordinator*

Immunization Division

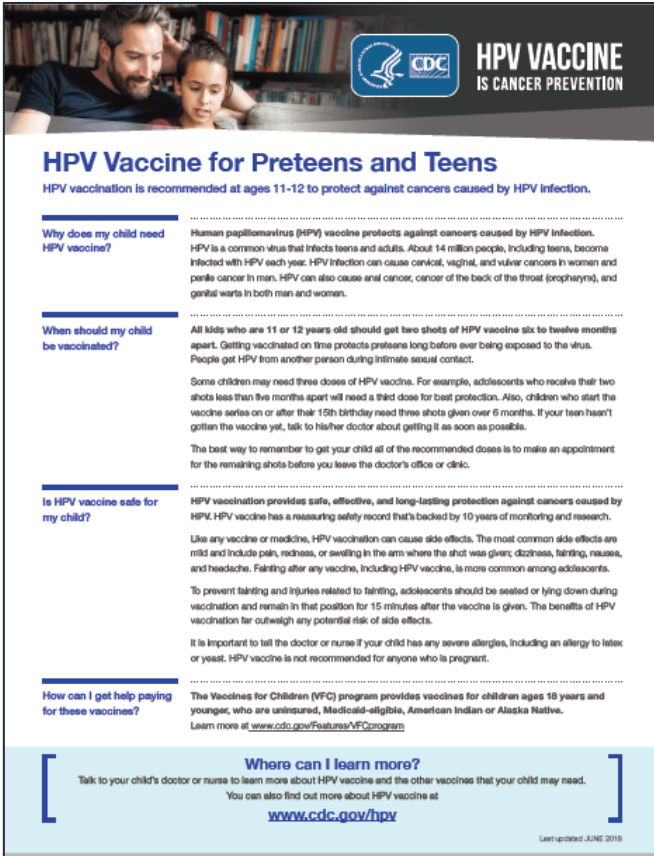
mobile: 317-416-5599

[sgriffin@isdh.in.gov](mailto:sgriffin@isdh.in.gov)

[health.in.gov](http://health.in.gov)



# Adolescent Immunization Materials



**HPV VACCINE**  
IS CANCER PREVENTION

## HPV Vaccine for Preteens and Teens

HPV vaccination is recommended at ages 11-12 to protect against cancers caused by HPV infection.

**Why does my child need HPV vaccine?**

Human papillomavirus (HPV) vaccine protects against cancers caused by HPV infection. HPV is a common virus that infects teens and adults. About 14 million people, including teens, become infected with HPV each year. HPV infection can cause cervical, vaginal, and vulvar cancers in women and penis cancer in men. HPV can also cause anal cancer, cancer of the back of the throat (pharynx), and genital warts in both men and women.

**When should my child be vaccinated?**

All kids who are 11 or 12 years old should get two shots of HPV vaccine six to twelve months apart. Getting vaccinated on time protects preteens long before ever being exposed to the virus. People get HPV from another person during intimate sexual contact.

Some children may need three doses of HPV vaccine. For example, adolescents who receive their two shots less than five months apart will need a third dose for best protection. Also, children who start the vaccine series on or after their 15th birthday need three shots given over 6 months. If your teen hasn't gotten the vaccine yet, talk to his/her doctor about getting it as soon as possible.

The best way to remember to get your child all of the recommended doses is to make an appointment for the remaining shots before you leave the doctor's office or clinic.

**Is HPV vaccine safe for my child?**

HPV vaccination provides safe, effective, and long-lasting protection against cancers caused by HPV. HPV vaccine has a reassuring safety record that's backed by 10 years of monitoring and research. Like any vaccine or medicine, HPV vaccination can cause side effects. The most common side effects are mild and include pain, redness, or swelling in the arm where the shot was given; dizziness, fainting, nausea, and headache. Fainting after any vaccine, including HPV vaccine, is more common among adolescents.

To prevent fainting and injuries related to fainting, adolescents should be seated or lying down during vaccination and remain in that position for 15 minutes after the vaccine is given. The benefits of HPV vaccination far outweigh any potential risk of side effects.

It is important to tell the doctor or nurse if your child has any severe allergies, including an allergy to latex or yeast. HPV vaccine is not recommended for anyone who is pregnant.

**How can I get help paying for these vaccines?**

The Vaccines for Children (VFC) program provides vaccines for children ages 18 years and younger, who are uninsured, Medicaid-eligible, American Indian or Alaska Native. Learn more at [www.cdc.gov/Features/VFCprogram](http://www.cdc.gov/Features/VFCprogram).

**Where can I learn more?**

Talk to your child's doctor or nurse to learn more about HPV vaccine and the other vaccines that your child may need. You can also find out more about HPV vaccine at [www.cdc.gov/hpv](http://www.cdc.gov/hpv).

Last updated: JUNE 2018

**INFORMATION FOR PARENTS** 2019 Recommended Immunizations for Children 7-18 Years Old

Talk to your child's doctor or nurse about the vaccines recommended for their age.

	Flu Influenza	Tdap Tetanus, diphtheria, pertussis	HPV Human papillomavirus	Meningococcal MenACWY	MenB	Pneumococcal	Hepatitis B	Hepatitis A	Polio	MMR Measles, mumps, rubella	Chickpox Varicella
7-6 Years											
9-10 Years											
11-12 Years											
13-15 Years											
16-18 Years											

**More information:**

- Green shaded boxes indicate when the vaccine is recommended for all children unless your doctor tells you that your child cannot safely receive the vaccine.
- Orange shaded boxes indicate when the vaccine should be given if a child is catching up on missed vaccine.
- Purple shaded boxes indicate the vaccine is recommended for children with certain health or lifestyle conditions that put them at an increased risk for serious diseases. See vaccine-specific recommendations at [www.cdc.gov/Vaccines/imztools/index.html](http://www.cdc.gov/Vaccines/imztools/index.html).
- Blue shaded box indicates children not at increased risk may get the vaccine if they wish after speaking to a provider.

**CDC** U.S. Department of Health and Human Services  
**AAP** American Academy of Pediatrics



**HPV VACCINE**  
IS CANCER PREVENTION

**JENNIFER SHU, M.D.**  
Parent & Pediatrician

0:14 / 0:30



**Si hubiese una vacuna contra el cáncer, ¿se la pondría a sus hijos?**

La vacuna contra el VPH previene el cáncer. Consulte a su médico sobre cómo vacunar a sus hijos e hijas de entre 11 y 12 años contra el VPH.

[www.cdc.gov/espanol/vacunas/](http://www.cdc.gov/espanol/vacunas/)

**CDC** U.S. Department of Health and Human Services  
**YOU ARE THE CANCER PREVENTION**



**If there were a vaccine against cancer, wouldn't you get it for your kids?**

HPV vaccine is cancer prevention. Talk to the doctor about vaccinating your 11-12 year old sons and daughters against HPV.

[www.cdc.gov/vaccines/teens](http://www.cdc.gov/vaccines/teens)

**CDC** U.S. Department of Health and Human Services  
**YOU ARE THE CANCER PREVENTION**

<https://www.cdc.gov/hpv/partners/outreach-parents/materials-parents.html>

# Vaccine Hesitancy

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For more in-depth training on motivational interviewing, click on:  
[\*Johns Hopkins Launches Free Virtual Course to Train “Ambassadors” to Talk to Parents About COVID Vaccines for Children | Johns Hopkins Bloomberg School of Public Health \(jhu.edu\)\*](#)



# Resources-Vaccine Hesitancy

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Berg, S. (2021). *Do's and don'ts for talking to patients about coronavirus vaccines*. <https://www.ama-assn.org/delivering-care/public-health/do-s-and-don-ts-talking-patients-about-coronavirus-vaccines>

Carey, D.W. (2022). Black communities and COVID-19 vaccines: Respectful and caring communications. <https://eziz.org/assets/docs/COVID19/BlackCommunitiesAndCOVID19.pdf>

Osmosis.org. (2021). *Vaccine hesitancy [Video]*. YouTube. <https://youtu.be/yZwVOD-ITx4>

Centers for Disease Control and Prevention (CDC). (2021). *Provider resources for vaccine conversations with parents*. <https://www.cdc.gov/vaccines/hcp/conversations/index.html>

Limaye, R. & Christenson, K. (n.d.) *Social media interventions and vaccine hesitancy: Findings from a systematic review and key informant interviews*. Johns Hopkins School of Public Health and International Vaccine Access Center. [https://www.jhsph.edu/ivac/wp-content/uploads/2021/02/IVAC-Webinar\\_Social-Media-Interventions.pdf](https://www.jhsph.edu/ivac/wp-content/uploads/2021/02/IVAC-Webinar_Social-Media-Interventions.pdf)



# Who/How to Contact with questions - ??

School Immunization Questions  
[Schoolvax@isdh.in.gov](mailto:Schoolvax@isdh.in.gov)

General School Health Questions  
[backtoschool@isdh.in.gov](mailto:backtoschool@isdh.in.gov)

Questions about HL7 messaging  
between CHIRP and Skyward, Power  
school, Harmony [kpatolia@isdh.in.gov](mailto:kpatolia@isdh.in.gov)

Live Chat with CHIRP

Call CHIRP Help  
Desk 888-227-4439

**CHIRP** Children and Hoosier Immunization Registry Program

Date: May 25, 2022

We are aware that the School Action report currently displays students with vaccination status that are "Not yet due" along with the ones that are "Past due". We are working with the vendor to exclude "Not yet due", however we currently don't have a timeline for this.

We have identified new processes that will help speed up the processing of letters. Please use the following steps:

1. Go to "School Reports"
2. Select "Action Report or Action Report Notice/Letter"
3. Select a school and "Series"
4. Select the option to "Run Report or Run Letters". On this page you can search (Ctrl + F key) and type "Past due" to search for students with past due vaccines.

Please call the help desk at 1-888-227-4439 for more detailed instructions. We sincerely apologize for the inconvenience.

**Attention:** CHIRP will be under the vendor's maintenance window every Monday between 7 PM and 10 PM. CHIRP and PHC-Hub will be unavailable during this time to allow for the vendor to make system updates. We sincerely apologize for any inconvenience.

**PLEASE NOTE:** Coming soon, Chirp will be updated to use Access Indiana as its login. Once this occurs, you'll need an Access Indiana account to get into Chirp. The exact update date will be posted here soon. If you don't already have an Access Indiana account, please create one by visiting the link below as soon as possible to ensure a seamless transition. You must use your own individual email address to create your Access Indiana account, and it must match your registered Chirp email address. A FAQ and more information will be sent to all Chirp users soon. Users who have two Chirp accounts will be contacted with further instructions. If you are based outside the U.S., please contact us for further information. Visit <https://www.in.gov/access/> and click on SIGN UP FOR YOUR ACCOUNT. Thank you for your cooperation, IDOH and the Chirp Team

**Help Desk**  
1-888-227-4439  
E-Mail

**CHAT NOW**

**MyVaxIndiana Training** **Pharmacies** **Document Center** **The VacZine**

**MU** **Pink Book Online** **Training Videos** **VOMS** **Enrollment** **Policies** **MyVaxIndiana**

# Future Tools

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- Collaborations with other states for improvements
- Looking at ways to improve assessments through different methodologies
- Partnering with licensed childcare facilities Immunizations and Lead testing-making sure they are ready for K
- Creative ways for adolescent vaccine( sports physicals, events)
- Events that make sure seniors have vaccines before they graduate and age out of VFC



# Overview IDOH Immunization Policy Strategies

# School required Immunization legislation

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## IC 20-34-4

- IDOH rule-making authority
- Establishes school reporting of vaccination coverage levels

## 410 IAC 1-1-1

- Specific immunization requirements
  - Appropriate age, doses and intervals between doses
- Provision of records
- Documentation of immunization history
- School reporting using CHIRP

# Indiana Code 20-34-4-1

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Each school shall keep an immunization record of the school's students according to procedures prescribed by the state department of health. The Indiana Department of Health has designated the Children's and Hoosier Immunization Registry Program (CHIRP), as the official location for storing immunization records. FERPA does require a consent form for information to be entered into CHIRP.

# Indiana Code 20-34-4-2

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Each child residing in Indiana who is enrolled in an accredited elementary school or high school shall be immunized against the immunizations determined by the state department of health.

IDOH will publish a 2- year calendar of immunization requirements before November 30<sup>th</sup> of each year.

IDOH shall adopt rules under IC 4-22-2 specifying the required immunizations, age for administering each vaccine, immunization doses, and method of acceptable documentation of proof of immunity.

# Indiana Code 20-34-4-3

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## **Notification; provision of information to parents**

Each school shall notify parents of students enrolled in their school that the student must be immunized, and that the immunization is required for the student's continued enrollment, attendance, or residence at the school unless appropriate documentation of immunity is provided, or IC 20-34-3-2/IC20-34-3-3 applies.

Each school that enrolls grade 6 students shall provide the parent of the student who is entering 6<sup>th</sup> grade with information prescribed by IDOH concerning the link between cancer and human papillomavirus (HPV) infection and an immunization against the HPV infection is available.

# 6<sup>th</sup> Grade Letter

## What vaccines does my child need?

Tdap, HPV and Meningococcal

Education  
Letter



### Parents and Guardians

The Indiana State Department of Health strives to protect the health and safety of Hoosier children, so we want to make you aware of vaccines recommended for adolescents that protect against diseases, such as pertussis (whooping cough), human papillomavirus (HPV), meningococcal disease and influenza (flu).

Vaccines recommended for boys and girls ages 11-12 include Tdap (tetanus, diphtheria and pertussis), HPV, meningococcal, hepatitis A\* and influenza\*\*. These vaccines are safe, effective, and can be given at the same office visit. We urge you to review this important information and contact your child's healthcare provider with any questions.

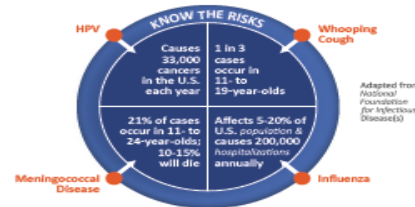
\*Recommended starting at 1 year of age

\*\*Recommended for everyone age 6 months and older



### Vaccines Aren't Just for Young Children

Adolescents Can Be Protected from Deadly Diseases



### Where can my child get these vaccines?

These vaccines are available from your child's healthcare provider. Pharmacies can also administer vaccines to children ages 11 and older.

If your child does not have health insurance or has a health insurance plan that does not cover vaccines, your child is eligible to receive no-cost vaccines through the Vaccines for Children (VFC) program.

Please visit the Indiana State Department of Health website to locate a VFC provider in your county: <https://www.in.gov/isdh/26482.htm>. You can also contact us at [immunize@isdh.in.gov](mailto:immunize@isdh.in.gov) or 800-701-0704.

Disease Name	Vaccine Name (to protect against disease)	Disease spread by	Symptoms	Complications
Tetanus (lockjaw)	Tdap vaccine	Bacteria found in soil, dust and manure through exposure to cuts in skin	Stiffness, muscle spasms, fever	Broken bones, difficulty breathing, death
Diphtheria	Tdap vaccine	Bacterial infection spread through direct contact with droplets from infected person through coughing or sneezing	Sore throat, mild fever, weakness, swollen glands	Damage to heart muscle, difficulty breathing, respiratory and heart failure, death
Pertussis (whooping cough)	Tdap vaccine	Bacterial infection spread through direct contact with droplets from infected person through coughing or sneezing	Severe cough with "whooping" sound, runny nose, vomiting from severe coughing	Pneumonia, loss of bladder control, rib fractures, death
Human Papillomavirus (HPV)	HPV9 vaccine	Contagious virus spread through intimate skin-to-skin contact	Often no symptoms but some are warts, pre-cancerous or cancerous lesions of mouth, throat, cervix***, anus, penis or other areas	Cancers of mouth, throat, cervix, anus, and genital regions, genital warts, and death from cancer
Meningococcal disease	MCV4 and Men B vaccines	Exchange of nose and throat droplets through coughing, sneezing, kissing, sharing utensils, etc.	Headache, stiff neck, nausea and vomiting, confusion, sleepiness	Meningitis, bloodstream infection, hearing loss, brain damage, seizures, loss of limbs, death
Influenza	Seasonal Influenza vaccine	Contagious virus spread through droplets from infected person coughing or sneezing	Sudden onset of symptoms including fever, chills, dry cough, headache, runny nose, sore throat, muscle and joint pain	Extreme fatigue, hospitalization, pneumonia, death
Hepatitis A	Hepatitis A vaccine	Contagious virus usually spread by fecal (stool)-oral route, can be spread by close contact with infected person	Fever, fatigue, loss of appetite, nausea and vomiting, jaundice (yellowing of skin/eyes), cola-colored urine, clay-colored stools	Hospitalization, death

\*\*\* The HPV9 vaccine is highly effective at preventing cervical precancers, but it does not eliminate the need for routine cervical cancer screenings (Pap test) as recommended by a healthcare provider. This screening is important because it can detect early precancerous changes so treatment can begin before cancer develops.

Disease Name	Vaccine Name (to protect against disease)	Disease spread by
Tetanus (lockjaw)	Tdap vaccine	Bacteria found in soil, dust and manure through exposure to cuts in skin
Diphtheria	Tdap vaccine	Bacterial infection spread through direct contact with droplets from infected person through coughing or sneezing
Pertussis (whooping cough)	Tdap vaccine	Bacterial infection spread through direct contact with droplets from infected person through coughing or sneezing
Human Papillomavirus (HPV)	HPV9 vaccine	Contagious virus spread through intimate skin-to-skin contact
Meningococcal disease	MCV4 and Men B vaccines	Exchange of nose and throat droplets through coughing, sneezing, kissing, sharing utensils, etc.
Influenza	Seasonal Influenza vaccine	Contagious virus spread through droplets from infected person coughing or sneezing



# Indiana Code 20-34-4-4

Parent of any student that has not received all required immunizations shall present the student to a health care provider authorized to administer vaccines, and that health care provider shall enter the immunization information into the state registry (CHIRP)



# Indiana Code 20-34-4-5

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Each school shall require the parent of a student who has enrolled in the school to furnish, not later than the first day of school attendance, proof of the student's immunization status. If the student is not up to date on the first day of school, a twenty-day waiver may be granted. After the twenty-day waiver period, students that are not properly immunized should be excluded from school until they are properly protected against all required vaccine preventable diseases.

# Indiana Code 20-34-4-6

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Each school corporation shall ensure that all applicable immunization information is complete in the state immunization data registry, CHIRP, **not later than the first Friday in February each year.**

Please contact the CHIRP helpdesk at 888.227.4439 if there are any questions about entering data into CHIRP or if you would like to establish an electronic interface with the state immunization registry.

FERPA does require a consent form for information to be entered into CHIRP.

# Medical Exemptions and Religious Objections Legislation

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## IC 20-34-3

### Religious objections

- Made in writing
- Must specify objection is based on *religious* grounds
- Must list each vaccine to which there is an objection

## IC 20-34-2

### Medical exemptions

- Immunization may be detrimental to student's health
- Must list each vaccine to which there is an objection
- Usually not permanent
- Medical Exemption Form

# Immunization Registry legislation

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## IC 16-38-5-2

In July of 2015, all healthcare providers administering vaccines to individuals under the age of 19 were required to submit data to the Indiana Immunization Information System, CHIRP. IDOH has been working diligently to educate providers of this requirement and provide support and assistance in meeting this important requirement. Each day we receive more data electronically from electronic medical records. A recent comparison of registry and census data illustrates that over 77% of Hoosier children have an immunization record in the registry with multiple vaccines being reported as administered.

This legislation states providers have 7 days to have the administered doses entered into CHIRP. Please allow the providers this time frame to enter immunization data before you enter the doses. Please notify if you notice providers not entering into CHIRP.

Note: this does not include historical data

# Meningitis information legislation

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## IC 20-30-5-18

The chief administration office of each school (including charter and nonpublic schools) shall ensure that information concerning meningococcal disease and its vaccines is provided to students and parents/guardians at the beginning of each school year.

The information provided must include the causes, symptoms, and spread of meningococcal disease and the places where parents may obtain additional information and vaccinations for their children.

# CHIRP Data Entry

Must have FERPA consent to be entered into the state immunization information system, CHIRP

Must be entered by the first Friday in February

This is not optional – it is state law

## **IC 20-34-4-1**

### **Keeping immunization records; student transfer**

Sec. 1. (a) Each school shall keep an immunization record of the school's students according to procedures prescribed by the state department of health.

## **IC 20-34-4-6**

### **Collection of immunization data; onsite review or examination**

Sec. 6. (a) The state department of health shall collect immunization data on school age children using the state immunization data registry. Each school corporation shall ensure that all applicable immunization information is complete in the state immunization data registry not later than the first Friday in February each year. The state department of health shall use the data to create aggregate reports.





# CHIRP Stats and Info

Only school nurses and users with DOA can access CHIRP

Accounts become inactive after 90 days on inactivity

Current number school personnel with access to CHIRP: **1852**

Make sure each student has the “Include on Reports” checked if you need to verify their compliance via the Action Report

Patient Detail			
First Name:	TEST	Street:	TEST
Middle Name:	D	City:	GOSHEN
Last Name:	TEST	County:	ELKHART
Birth Date:	01/07/2005	State:	INDIANA
Multiple Birth:	1 of 1	Zip Code:	46526
Sex:	FEMALE	Home Phone:	
Student ID:		Cell Phone:	
Guardian Name:	TEST		
Inactive:			
School Reporting			
School:	Aboite Elementary School ▼	Include on Reports:	<input checked="" type="checkbox"/>
Grade Level:	P3 ▼		
School Entry Date:			
Exemption:	<input checked="" type="radio"/> None <input type="radio"/> Medical <input type="radio"/> Religious		
		Cancel	Edit Update



# Administered dose vs. Historical dose

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An administered dose always  
“trumps” a historical dose

Manual entry

May be a delay with the  
administered dose

- 7 days per mandate
- EMR settings



# School Information Systems

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In 2017, the Indiana Department of Health offered \$25,000 grants to each School Information System (SIS) to develop a HL7 interface with CHIRP

All work had to be completed by June 30, 2017

The interface and HL7 message must be able to submit school and grade level

The interface must have bi-directional capacity

Three SIS vendors accepted the grants and completed the work

- Harmony
- Powerschool
- Skyward



# School Immunization Requirements

## Indiana 2022-2023 Required and Recommended School Immunizations

Grade	Required		Recommended
<b>Pre-K</b>	3 Hepatitis B 4 DTaP (Diphtheria, Tetanus & Pertussis) 3 Polio	1 Varicella (Chickenpox) 1 MMR (Measles, Mumps & Rubella) 2 Hepatitis A	Annual influenza
<b>K-5<sup>th</sup> grade</b>	3 Hepatitis B 5 DTaP 4 Polio	2 Varicella 2 MMR 2 Hepatitis A	Annual influenza COVID-19
<b>6<sup>th</sup>-11<sup>th</sup> grade</b>	3 Hepatitis B 5 DTaP 4 Polio 2 Varicella	2 MMR 2 Hepatitis A 1 MCV4 (Meningococcal) 1 Tdap (Tetanus, Diphtheria & Pertussis)	Annual influenza 2/3 HPV (Human papillomavirus) COVID-19
<b>12<sup>th</sup> grade</b>	3 Hepatitis B 5 DTaP 4 Polio 2 Varicella	2 MMR 2 Hepatitis A 2 MCV4 1 Tdap	Annual influenza 2/3 HPV 2 MenB (Meningococcal) COVID-19

**HepB:** The minimum age for the 3<sup>rd</sup> dose of Hepatitis B is 24 weeks of age.

**DTaP:** 4 doses of DTaP/DTP/DT are acceptable if 4<sup>th</sup> dose was administered on or after child's 4<sup>th</sup> birthday.

**Polio\*:** 3 doses of Polio are acceptable if the 3<sup>rd</sup> dose was given on or after the 4<sup>th</sup> birthday and at least 6 months after the previous dose.

\*For all students, the final dose must be administered on or after the 4<sup>th</sup> birthday and be administered at least 6 months after the previous dose.

**Varicella:** Physician documentation of disease history, including month and year, is proof of immunity for children entering preschool through 12<sup>th</sup> grade. Parent report of disease history is not acceptable.

**Tdap:** There is no minimum interval from the last Td dose.

**MCV4:** Individuals who receive dose 1 on or after the 16<sup>th</sup> birthday only need 1 dose of MCV4.

**Hepatitis A:** The minimum interval between 1<sup>st</sup> and 2<sup>nd</sup> dose is 6 calendar months. 2 doses are required for all grades Pre-K through 12.

**COVID-19:** COVID-19 vaccine is recommended for all students five years of age and older per CDC and FDA's Emergency Use Authorization. *Review required after FDA full approval.*

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Indiana Department of Health  
Immunization Division

(800) 701-0704

March 2022



## Indiana 2022-2023 Required and Recommended School Immunizations

Grade	Required		Recommended
<b>Pre-K</b>	3 Hepatitis B 4 DTaP (Diphtheria, Tetanus & Pertussis) 3 Polio	1 Varicella (Chickenpox) 1 MMR (Measles, Mumps & Rubella) 2 Hepatitis A	Annual influenza
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<b>6<sup>th</sup>-11<sup>th</sup> grade</b>	3 Hepatitis B 5 DTaP 4 Polio 2 Varicella	2 MMR 2 Hepatitis A 1 MCV4 (Meningococcal) 1 Tdap (Tetanus, Diphtheria & Pertussis)	Annual influenza 2/3 HPV (Human papillomavirus) COVID-19
<b>12<sup>th</sup> grade</b>	3 Hepatitis B 5 DTaP 4 Polio 2 Varicella	2 MMR 2 Hepatitis A 2 MCV4 1 Tdap	Annual influenza 2/3 HPV 2 MenB (Meningococcal) COVID-19

REQUIRED

**HepB:** The minimum age for the 3<sup>rd</sup> dose of Hepatitis B is 24 weeks of age.

**DTaP:** 4 doses of DTaP/DTP/DT are acceptable if 4<sup>th</sup> dose was administered on or after child's 4<sup>th</sup> birthday.

**Polio\*:** 3 doses of Polio are acceptable if the 3<sup>rd</sup> dose was given on or after the 4<sup>th</sup> birthday and at least 6 months after the previous dose.

\*For all students, the final dose must be administered on or after the 4<sup>th</sup> birthday and be administered at least 6 months after the previous dose.

**Varicella:** Physician documentation of disease history, including month and year, is proof of immunity for children entering preschool through 12<sup>th</sup> grade. Parent report of disease history is not acceptable.

**Tdap:** There is no minimum interval from the last Td dose.

**MCV4:** Individuals who receive dose 1 on or after the 16<sup>th</sup> birthday only need 1 dose of MCV4.

**Hepatitis A:** The minimum interval between 1<sup>st</sup> and 2<sup>nd</sup> dose is 6 calendar months. 2 doses are required for all grades Pre-K through 12.

**COVID-19:** COVID-19 vaccine is recommended for all students five years of age and older per CDC and FDA's Emergency Use Authorization. *Review required after FDA full approval.*

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**Indiana  
Department  
of  
Health**

# Defining “Required” School Immunizations in the State of Indiana

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\*Students in all grades are required to meet the minimum immunization requirements. Immunization requirements extend to children attending special education programs, childcare, or preschool within the school building.

\*If a child does not present an immunization record or is not up to date with his/her immunizations, he/she may enroll in school. However, Indiana Code (IC 20-34-4-5) states that a child is not permitted to attend school beyond the first day without furnishing a written record, unless:

- The school gives a waiver (for a period not to exceed 20 days); or
- The local health department or a physician determines that the child’s immunizations have been delayed due to extreme circumstances and that the required immunizations will not be completed by the first day of school. The parent must furnish a written statement and a time schedule approved by a physician or health department; or
- A valid medical exemption or religious objection is on file.

\*School exclusion is determined by the school corporation according to IC 20-34-4-5.

\*Indiana school immunization requirements are based on grade, not age.

# Immunization Requirements 2021-22

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- Immunization requirements will remain in effect for the 2021-2022 school year according to Indiana Code IC 20-34-4 (<https://statecodesfiles.justia.com/indiana/2016/title-20/article-34/chapter-4/chapter-4.pdf>)
- In-person and online/virtual students **will be held to the same expectations**
- **Hepatitis A** - Two (2) valid doses of Hepatitis A vaccine (Hep A) are required for students in **all grades**, including schools with **pre-kindergarten programs**
- **Varicella** - Physician documentation of disease history, including month and year, is proof of immunity for students in preschool through 12th grade
- Parental report of disease history is not acceptable
- **Polio vaccine** - For students in grades K-11, the final dose must be administered on or after the 4<sup>th</sup> birthday and administered at least 6 months after the previous dose



## Indiana 2022-2023 Required and Recommended School Immunizations

Grade	Required		Recommended
<b>Pre-K</b>	3 Hepatitis B 4 DTaP (Diphtheria, Tetanus & Pertussis) 3 Polio	1 Varicella (Chickenpox) 1 MMR (Measles, Mumps & Rubella) 2 Hepatitis A	Annual influenza
<b>K-5<sup>th</sup> grade</b>	3 Hepatitis B 5 DTaP 4 Polio	2 Varicella 2 MMR 2 Hepatitis A	Annual influenza COVID-19
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<b>12<sup>th</sup> grade</b>	3 Hepatitis B 5 DTaP 4 Polio 2 Varicella	2 MMR 2 Hepatitis A 2 MCV4 1 Tdap	Annual influenza 2/3 HPV 2 MenB (Meningococcal) COVID-19

**HepB:** The minimum age for the 3<sup>rd</sup> dose of Hepatitis B is 24 weeks of age.

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\*For all students, the final dose must be administered on or after the 4<sup>th</sup> birthday and be administered at least 6 months after the previous dose.

**Varicella:** Physician documentation of disease history, including month and year, is proof of immunity for children entering preschool through 12<sup>th</sup> grade. Parent report of disease history is not acceptable.

**Tdap:** There is no minimum interval from the last Td dose.

**MCV4:** Individuals who receive dose 1 on or after the 16<sup>th</sup> birthday only need 1 dose of MCV4.

**Hepatitis A:** The minimum interval between 1<sup>st</sup> and 2<sup>nd</sup> dose is 6 calendar months. 2 doses are required for all grades Pre-K through 12.

**COVID-19:** COVID-19 vaccine is recommended for all students five years of age and older per CDC and FDA's Emergency Use Authorization. *Review required after FDA full approval.*

Indiana Department of Health  
Immunization Division

(800) 701-0704

RECOMMENDED

March 2022



**Indiana  
Department  
of  
Health**



# Defining “Recommended” School Immunizations in the State of Indiana

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There are several immunizations included on the routine immunization schedules that are not currently required for school entry. These include:

- \* two to three doses of Human Papillomavirus (**HPV**) vaccine for grade 6-12
- \* two doses of Meningococcal Serogroup B (**MenB**) vaccine for grade 12
- \* seasonal influenza (**Flu**) vaccine is recommended annually for all students and staff
- \* **COVID-19** vaccine is currently recommended for all students five years of age and older per CDC and FDA’s Emergency Use Authorization

All vaccines that are recommended by CDC are important, safe and effective in protecting against vaccine preventable diseases, including, in some cases, cancer.

While not every recommended vaccine is required for school entry, we encourage you to be a strong advocate for all vaccines. Please foster conversations with parents and healthcare providers about the positive health benefits of all vaccines recommended by the CDC.



# School Nurse Resources for Immunizations

# CHIRP

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- Established in 2002 as a database to collect immunization records for individuals of all ages in Indiana
- Indiana Code that established CHIRP 16-38-5
- IDOH has determined that schools must report their immunization records through CHIRP
- CHIRP has a vaccine forecasting feature

# School Nurse Module in CHIRP

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- Specific type of access to CHIRP that allows School Nurses/Health Aides to monitor vaccination status for their students – separate from a “regular” CHIRP access i.e. a nurse also works in a physician office
- Indiana Code requires schools to report immunization data in CHIRP by the first Friday in February each year for all grades K-12
- FERPA requires that schools gain written permission from parents to share data from school records with the Indiana Department of Health – ideally this would be obtained at the start of school with pre-registration paperwork <https://www2.ed.gov/policy/gen/guid/fpco/ferpa/index.html>
- School Nurse Module has report functions that help to keep track of student vaccinations by school or grade
- Historical doses of vaccinations can be entered into CHIRP by School Nurse/Health Aides

# School Vaccination Coverage Reports

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- Who?** All accredited schools in Indiana
- What?** Report immunization data on school-age children, consent (FERPA), using the immunizations data registry known as the CHIRP School Nurse Module
- When?** No later than the first Friday in February each year
- How?** Immunization data for each school is pulled from the immunization registry (CHIRP) in February. **THERE IS NO ACTUAL REPORT TO FILL OUT AND/OR SEND IN!** The school nurse reviews student vaccination records in CHIRP and ensures they are up to date.

# CHIRP Resources for School Nurses

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## School Nurse CHIRP Training Guide

- [https://www.in.gov/health/immunization/files/\\_2020-CHIRP-School-Nurse-Training-Guide.pdf](https://www.in.gov/health/immunization/files/_2020-CHIRP-School-Nurse-Training-Guide.pdf)

## How to Use a School Roster in CHIRP

- [https://www.in.gov/health/immunization/files/\\_2019-CHIRP-Using-the-School-Roster.pdf](https://www.in.gov/health/immunization/files/_2019-CHIRP-Using-the-School-Roster.pdf)

## How to Add a Student to the School Roster in CHIRP

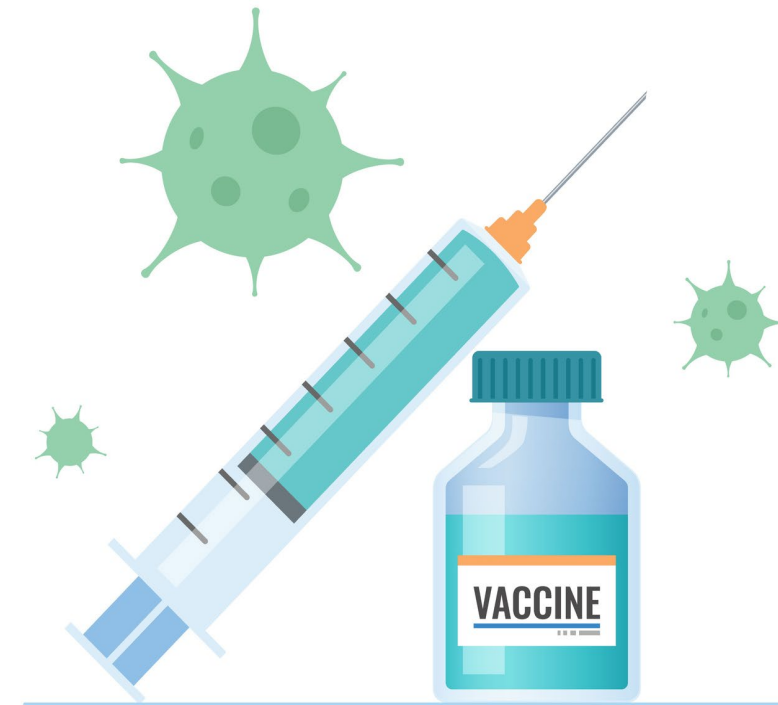
- [https://www.in.gov/health/immunization/files/\\_2019-CHIRP-Adding-Student-to-Roster.pdf](https://www.in.gov/health/immunization/files/_2019-CHIRP-Adding-Student-to-Roster.pdf)

## How to Use School Reports in CHIRP

- [https://www.in.gov/health/immunization/files/\\_2020-CHIRP-School-Reports.pdf](https://www.in.gov/health/immunization/files/_2020-CHIRP-School-Reports.pdf)

# School Nurse Resources for Immunizations

- **FAQ Immunizations for school nurses:**  
[https://www.in.gov/health/immunization/files/2021-2022-FAQs-for-School-Nurses-IDOH-IZ\\_FINAL.pdf](https://www.in.gov/health/immunization/files/2021-2022-FAQs-for-School-Nurses-IDOH-IZ_FINAL.pdf)
- **School Nurses webpage:**  
<https://www.in.gov/health/immunization/document-center/school-nurses/>
  - Letters (Hep A, 6<sup>th</sup> Grade, Meningococcal, Foreign Exchange Students)
  - School Immunization Requirements by school year in English & Spanish
- **School nurses can also access training materials on:**  
**[LMS: INvest \(immlms.isdh.in.gov\)](https://immlms.isdh.in.gov)** using your CHIRP credentials



# Immunizations Forms/Consents

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- CHIRP Individual User Agreement for Schools – fill out and submit to get CHIRP access [https://chirp.in.gov/chirp\\_files/docs/IUA\\_SCHOOL-2016.pdf](https://chirp.in.gov/chirp_files/docs/IUA_SCHOOL-2016.pdf)
- IDOE CHIRP Parent Consent Form(English and Spanish)  
<https://view.officeapps.live.com/op/view.aspx?src=https%3A%2F%2Fwww.in.gov%2Fdoe%2Ffiles%2FCHIRP-Sample-Parent-Release-Form.docx&wdOrigin=BROWSELINK> (English)  
<https://www.in.gov/doe/files/chirp-parent-release-spanish-07-19-2016.pdf> (Spanish)
- IDOH Vaccine Medical Exemption Form - to be filled out by student's healthcare provider  
<https://www.in.gov/doe/files/medical-exemption-form-providers.pdf>  
*\*this is NOT just a note from the physician stating an invalid dose is acceptable*
- There is no state form for a religious exemption
- Indiana law does not allow for a philosophical objection



# Need Help Organizing a Vaccine Clinic?

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## Missie Layman

IDOH Immunizations Outbreak Planning and Response Coordinator

[m Layman@ISDH.in.gov](mailto:m Layman@ISDH.in.gov)

317-519-2079

## Indiana Immunizations Coalition (IIC)

<https://vaccinateindiana.org/contact/clinic-contact/>



# We can come to you!

# Contact Information

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800-701-0704 or [immunize@ISDH.in.gov](mailto:immunize@ISDH.in.gov)

Dave McCormick [Dmccormick@isdh.in.gov](mailto:Dmccormick@isdh.in.gov)

Tami Johnson [tjohnson1@isdh.in.gov](mailto:tjohnson1@isdh.in.gov)

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Kayla Murphy [kaymurphy@isdh.in.gov](mailto:kaymurphy@isdh.in.gov)