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KENTUCKY CABINET FOR  
HEALTH AND FAMILY SERVICES

**Connecting Kentucky:  
Facilitating Immunization Data  
Reporting with KHIE**

# Kentucky Health Information Exchange

## WHAT IS KHIE?

The Kentucky Health Information Exchange (KHIE) is the **state designated** health information exchange. KHIE is the **data intermediary** in Kentucky for health care providers seeking to electronically **submit patient immunization data to KYIR.**

## KHIE DATA INCLUDES:

- Patient demographics
- Lab and pathology results
- Transcribed reports
- Immunization data
- Summaries of care
- Admit, discharge, and transfer data
- Behavioral health data...*and more!*

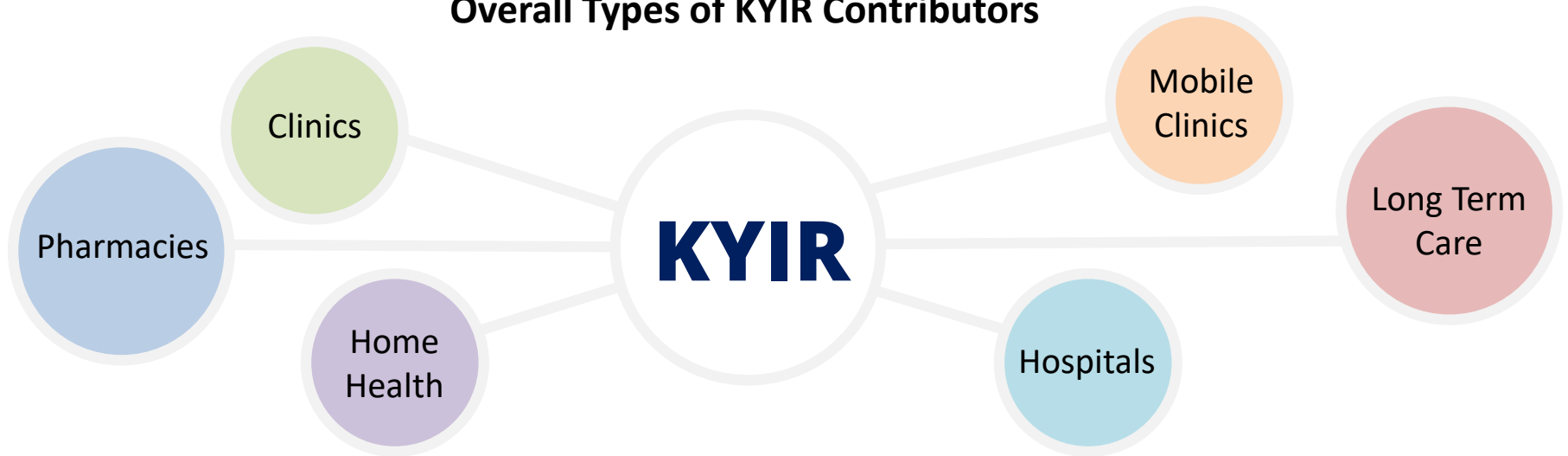
KHIE facilitates critical public health reporting by sending accurate and comprehensive data to various public health registries, including KYIR.

# Kentucky Immunization Registry

## WHAT IS KYIR?

The Kentucky Immunization Registry (KYIR) is a Web-based, statewide system that **collects and reports immunization data** across a variety of metrics. The system **protects data quality** and combines individual immunization information into a **single, accurate record**. **KYIR can receive and send data** securely to ensure privacy, confidentiality and accuracy through the **Kentucky Health Information Exchange (KHIE)**.

### Overall Types of KYIR Contributors



# KHIE Facilitates Immunization Data

## SUBMIT IMMUNIZATION DATA

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Any Authorized Provider that administers any type of immunization (influenza, pneumococcal, HPV, chickenpox, shingles, etc.) can submit electronically to the immunization registry.



## QUERY IMMUNIZATION DATA

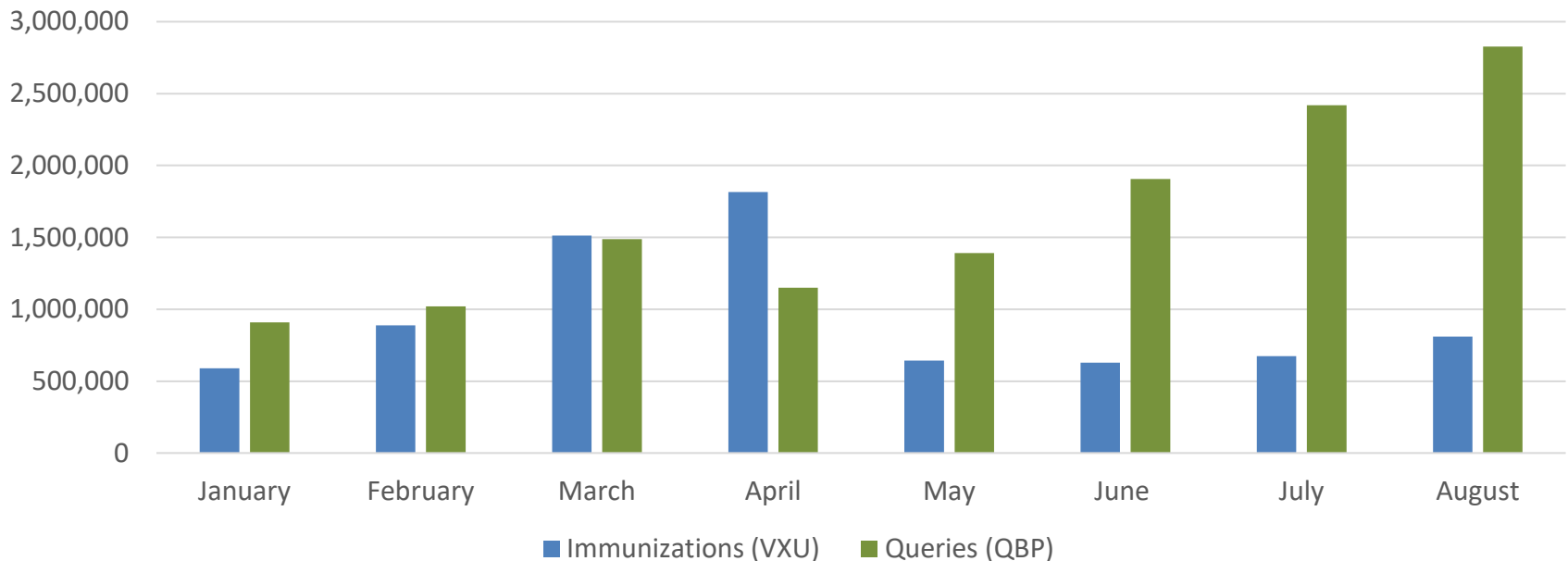
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Any Authorized Provider that wants to receive immunization forecasts and histories from the public health immunization registry/immunization information system (IIS) can query the immunization registry.



# Immunization Data Highlights

## 2021 YTD IMMUNIZATIONS AND QUERIES



### FAST FACTS

**3,000 +**

Participants Onboarded  
to Contribute Data to  
KHIE-KYIR

**7.5 Million +**

Immunization Messages  
Submitted in 2021

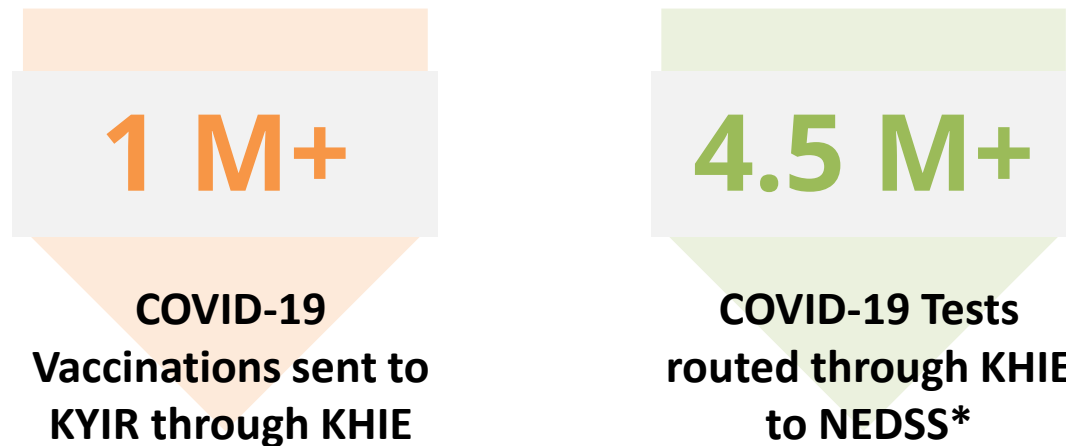
**13 Million +**

Queries Submitted in  
2021

# KHIE COVID Response

## REPORTING REQUIREMENTS

KHIE rapidly implemented solutions to keep pace with the evolving requirements set forth by the **CDC**, regarding the **vaccine reporting requirements for COVID-19**. The KYIR and KHIE teams can confirm that your COVID-19 vaccine messages have been received and can validate that the CDC required fields are appropriately structured.



\*KHIE also facilitates the exchange of COVID-19 tests through NEDSS, the National Electronic Disease Surveillance System, to fulfill public health reporting requirements.

# Benefits of KYIR-KHIE Integration

KHIE is instrumental to the KYIR Patient Population for **4.7 million patients** – vaccination records from birth to death. The benefits of this integration include:

- ✓ Facilitate access to **accurate patient data**
- ✓ Communicate with **NEDSS, ePartnerViewer, and CDC**
- ✓ **Follow CDC directives** and abide by **AIRA recommendations**
- ✓ Pull **accurate demographical data** on Immunization rates
- ✓ Increase **Immunization coverage**
- ✓ Track **COVID-19 vaccination data**
- ✓ **Share data** with adjoining states and other jurisdictions

# Learn More About KHIE

Visit [khie.ky.gov](https://khie.ky.gov) to learn more. You can also email us at [KHIE@ky.gov](mailto:KHIE@ky.gov) to begin the connection process or call us at 502-564-7992 EXT 2800.

