



Case Study

Indiana Immunization Coalition

axiatp



Introduction

Since 2003, The Indiana Immunization Coalition (IIC) has been working to “reduce the spread of vaccine-preventable diseases through immunization education, advocacy, promotion, and statewide collaborative partnerships.”

One of IIC’s goals is to assist doctors in increasing immunization rates of the HPV vaccine. HPV is the most common sexually transmitted disease in the U.S. and can cause six different type of cancers in men and women.

Working with pediatricians who specialize in quality improvement projects, IIC developed the HPV Maintenance of Certificate program (HPV MOC) in 2014 to assist physicians with their lifetime learning credits, as well as increase awareness of the virus and immunization rates needed to combat it.

In 2014, the American Board of Pediatrics approved the HPV MOC and the project began. The American Board of Family Medicine followed with their approval in 2016.



The Challenge

To participate in the HPV MOC, physicians must record and track certain patient data:

- **The number of male and female patients they treat**
- **The number of their patients who are eligible for the HPV vaccine**
- **The percentage of patients they vaccinate**

When the HPV MOC initially began, there were approximately 50 participating physicians. The physicians would submit their data to IIC via email or over the phone. IIC kept track of this data manually using spreadsheets.

However, in 2018 the Indiana State Department of Health mandated that all Indiana immunization providers who participate in the federally-funded

Vaccines for Children Program and whose first dose HPV vaccine rates were less than 25% participate in the HPV MOC. This mandate meant between 400 and 600 providers would need to take part in the project. The uptick in numbers prompted IIC to seek an online platform to manage the project.

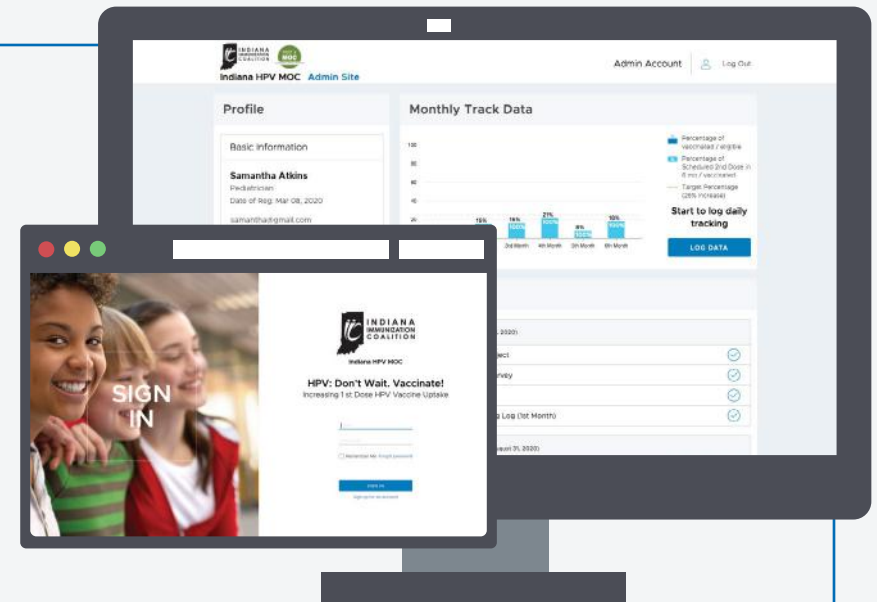


The Solution

AxiaTP's custom software team developed an online application to record data and produce reports. In 2018, the HPV MOC online platform went live.

Accessed via IIC's website, the online application has several features:

- A registration page for participants to create an account
- A home page that displays participant profiles, places of work, program start and end dates, percentage of vaccinated patients out of eligible and a project to-do list
- A summary of the project page, with vaccine information
- A pre-test for participants to determine their level of knowledge about the disease and vaccine
- A digital toolkit with answers to questions participants may have about the project, the disease and the vaccine
- A data tracking page where participants record their progress and data tracking reminder pop-ups that appear if data hasn't been entered daily
- A post-test when participants have completed the program



Admin Functions & Reporting

The HPV MOC platform allows administrators to view and export:

- Active participants
- Participants who have completed the course
- The percentage of patients vaccinated

An automatic report is generated monthly, displaying month-to-date information for:

- The number of eligible males and females
- The total number of eligible patients
- The percentage vaccinated

The Results

Since IIC debuted the HPV MOC online platform, they have seen a 900% increase in participants. More than 500 Indiana providers have registered for the course, as well as immunization providers from seven other states.

As participants complete the program, an analysis of the data submitted and HPV vaccine improvement rates will be summarized.

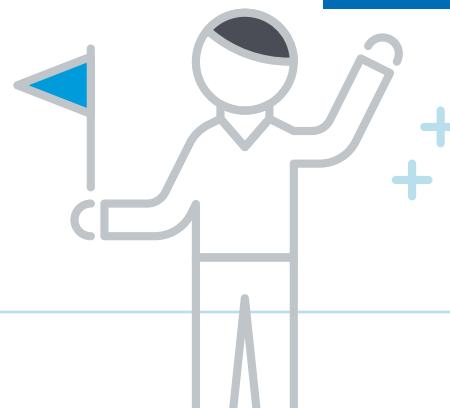
The HPV MOC online platform has given IIC an easier and more efficient way to manage and analyze data, as well as report it to the Indiana Department of Health, while freeing up valuable resources that can be redirected to other beneficial pursuits.

900%

Increase in
participants

500+

Indiana providers
registered



“[The online platform] allows staff to spend more time on other work duties. This project took much more management and staff time before it was an online platform. [AxiaTP’s team] has been attentive and successful at making updates or revisions to the online platform upon our request.”

- Lori Lovett, Program Manager
Indiana Immunization Coalition

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