Updating immunization schedules in Epic EHR
Updating immunization schedules to reflect GSK vaccines

The Centers for Disease Control and Prevention (CDC) publishes schedules for recommended vaccines appropriate to specific patients. The CDC schedule includes *universal recommendations,* meaning vaccines recommended for all patients of a certain age, and *risk-recommended vaccines* for those patients having certain conditions or specific health risks.

Epic EHR provides preconfigured immunization schedules which are maintained and periodically updated by Epic EHR. The immunization schedules are generally based upon the CDC *universal vaccine recommendations*. *Some GSK vaccines are risk-recommended vaccines* by the CDC and may not appear in Epic EHR vaccine schedules.

Benefits of manually updating immunization schedules

Providers decide which vaccines to routinely administer to their patients, so it is important for the immunization schedule within the EHR to match the practice's vaccine protocol. This helps ensure that patients are identified and prescribed appropriate vaccinations including GSK vaccines with a *risk-based recommendation*.

This guide provides a high-level overview of how to update the immunization schedule within Epic EHR, to reflect GSK vaccines. This overview is designed to provide guidance for you, your practice's EHR champion, or IT staff.

Please note that this guide was created based upon Epic EHR 2020. Screens and features may change as new software versions are released.

This guide is for informational purposes only and is not intended to replace detailed instructions provided to you by your internal and external EHR support resources. The information in this guide is subject to change without notice. GSK makes no claims or warranties about the applicability or appropriateness of this information.

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Considerations when adding GSK vaccines to the immunization schedule in Epic EHR:

- Vaccines added manually to the immunization schedule may not be screened automatically for drug interaction and drug allergy information

- There may be local business rules in place which prevent the manual addition of a vaccine to the immunization schedule. In this case, contact your local Epic EHR IT department

- User privileges to manually update an immunization schedule may be limited to select users with specific security privileges or subject to practice business policies

If you have further technical questions, consult your internal or external EHR support resources.

Updating the immunization schedule in health maintenance rules

With the immunization scheduling feature of Epic EHR, providers can accurately track and manage immunizations based on the schedules released by the CDC. Epic EHR maintains and updates **health maintenance rules,** which capture the schedules and criteria of the CDC immunization schedules. These schedules show up in the **health maintenance activity**.

The **health maintenance rules** for *universally recommended* vaccines are included in the Epic EHR-maintained content. Rules for vaccines which are *risk-recommended* must be manually added by the health system to the **health maintenance schedule**.

There are several steps to adding a vaccine and having it included in the **health maintenance schedule**. These tasks require the involvement of the IT staff or administration, and include the following steps:

- A new **vaccine order** is built
- An **immunization record** for the vaccine is built
- A new **health maintenance topic** is built
- The **order** and **health maintenance topic** are added to the **immunization record**

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Adding the immunization record

When making an IT request to set up an **immunization record** and add it to the **health maintenance schedule**, consider including the following information to ensure that the record and schedule are appropriately configured:

- Name for the immunization that is specific enough so a clinician can easily distinguish between different vaccines for the same disease. *For example, Product X Vaccine*

- Adult or pediatric vaccine

- If a provider can administer this immunization as part of patient care

- The default date for the vaccination information summary (VIS) form (usually the edition date found on the back of the VIS current form)

- Medication Admin Type (Immunization)

- List any synonyms to help the prescriber to search for the immunization. *For example, shingles*

- Default values for the vaccination such as number of doses, route, and manufacturer

- CVX code for the immunization

Adding the immunization record to the health maintenance schedule

Consider including the following information in the IT request to add the immunization record to the **health maintenance schedule**:

- Specify which immunization records count toward which immunization series

- Identify mnemonics for specific immunization. *For example, IMM_HEP A_IMMUNIZATIONS*

- List which **health maintenance topics** and plans correspond to the immunization and/or series

- Identify the immunization records to be linked to the **health maintenance topics**. *For example, 19255-Imm Hepatitis A Parent Rule*

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- The screen below depicts what a **health maintenance report** might look like:

Health Maintenance				?	Close X

Postpone	Remove Postpone	Override	Remove Override	Edit Modifiers	Report	Update HM	ClickB

Due Date	Topic	Date (Reason)			
3/13/2019	Rotavirus (#2 of 2)		1/13/2019		
5/27/2019	HEPATITIS B IMMUNIZATION (#3 of 3…	3/27/2019	1/13/2019		
5/27/2019	DTAP IMMUNIZATION (#3 of 4 - DTaP)	3/27/2019	1/13/2019		
5/27/2019	HIB (#3 of 4 - Standard Series)	3/27/2019	1/13/2019		
5/27/2019	PCV (#3 of 4)	3/27/2019	1/13/2019		
5/27/2019	POLIO (#3 of 4 - All IPV Series)	3/27/2019	1/13/2019		
7/1/2019	INFLUENZA (#1 of 2)				

Health Maintenance Report

Health Maintenance Summary

ROTAVIRUS	Overdue	3/13/2020	
	Done	1/13/2019	Imm Admin: Rotavirus
HEPATITIS B IMMUNIZATION	Overdue	5/27/2020	
	Done	3/27/2019	Imm Admin: Hepatitis B
	Done	1/13/2019	Imm Admin: Hepatitis B
DTAP IMMUNIZATION	Overdue	5/27/2020	
	Done	3/27/2019	Imm Admin: DTAP
	Done	1/13/2019	Imm Admin: DTAP
HIB	Overdue	5/27/2020	
	Done	3/27/2019	Imm Admin: HIB 4 Dose Schedule
	Done	1/13/2019	Imm Admin: HIB 4 Dose Schedule
PCV	Overdue	5/27/2020	
	Done	3/27/2019	Imm Admin: Pcv13
	Done	1/13/2019	Imm Admin: Pcv13
POLIO	Overdue	5/27/2020	
	Done	3/27/2019	Imm Admin: IPV
	Done	1/13/2019	Imm Admin: IPV