



# ImmuCast

## Release Notes

v5.18.7



## Support Services

For general support on this product, contact your system administrator or help desk. For up-to-date documentation, visit the STC Documentation Portal at <https://documentation.stchome.com/>.

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This documentation describes the following: ImmuCast 5.18.7 (and IWeb Forecaster) release notes

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# Introduction

This release contains schedule changes that may affect the group of patients you select to be reforecasted. Detailed descriptions and test cases follow below in the ticket descriptions.

Please note that testing scenarios do not have a grace period applied.

Also note that Forecast, Forecaster, and ImmuCast are used interchangeably throughout this document.

## Apply the Release

Apply the release by executing either the included `forecast.bat` or `forecast.sh` file. Prior forecast releases through version 5.18.1 should have already been applied. Log files, which are created in the same folder from where the release is executed, can be reviewed for errors.

To determine the current version of ImmuCast, execute this statement from SQLPlus:

```
SQL> select max(version) from h33_forecast_version where insert_stamp =  
(select max(insert_stamp) from h33_forecast_version);
```

If the version number returned is not 5.18.1 or later, download and apply the previous releases prior to applying this. If any of the prior 5.18.x releases were not applied, edit the `forecast.bat` file (or `forecast.sh` if applying the batch with the shell script) and uncomment any lines with a later version number than the version number returned by your query so that they can be applied to the database. Log files are created in the folder from where the release is executed and can be reviewed for errors.

For example, if the release for 5.18.1 was not applied, uncomment that line in the file to include it when the release is executed:

```
REM sqlplus H33ASIIS/ASIIS@SIIS @forecast_patch5_18_1.sql
```

### For ImmuCast (Stand-Alone Forecaster)

After applying the release, restart Tomcat to enable and cache any new vaccine codes into memory.

### For IWeb Only

The database should be reforecast when there have been multiple changes to forecasting. Please be aware that this can affect a large number of patients and is best accomplished over a weekend.

**IWeb versions prior to 5.17.5.2:** Patients that are marked for reforecasting may interfere with the immediate deduplication of HL7 messages, because patients belonging to a particular organization will also be picked up by that organization's immediate deduplication session. Reforecasting patients in IWeb version 5.17.5.2 or later will not affect the deduplication of HL7 messages.

If IWeb is hosted by STC, please contact the Help Desk to ask that the v5.18.7\_PrelWeb5.17.5.2\_NeedsForecast .sql script included in this release be executed to mark patients for reforecasting. This will update the patients affected by this release. Non-STC hosted clients may perform these steps to mark patients for reforecasting.

After applying the database release, log in to SQLPlus as the H33ASIIS user. Execute the v5.18.7\_PrelWeb5.17.5.2\_NeedsForecast.sql script included with this release to flag the patients affected by this release for reforecasting.

If you desire to reforecast all patients, please execute the H33\_MARK\_FORECAST procedure (SQL> exec h33\_mark\_forecast) to flag patient records to be reforecast. The procedure may also be run for a specific birth date range. For IWeb 5.17.5.2 or later, forecasting is run during the regular nightly deduplication processes.

## Age Groups Affected by this Release

If your database will be reforecast for this release, the following are age ranges that we believe to be most affected by the changes in this release. You may wish to limit your reforecast to these age ranges to limit the scope of your reforecast. Based on the information below, the range for reforecasting would be 0 to 24 years of age. Based on your experience and knowledge of your patients, you may choose a different age range.

HPV – Dose 1 at < 15 years of age, Dose 2 5+ months from Dose 1, and forecast for Dose 3 exists.

Tdap – Tdap dose at >= 11 years of age and Td forecasted recommended date is < 10 years from Tdap date.

Polio – Patient current age < 18 years of age. Polio Dose #3 at >= 48 months of age with 6 month interval from Dose #2.

DTaP – Patient current age < 7 years of age. DtaP Dose #4 at >= 4 years of age with < 6 month interval from Dose 3 and Dose 5 forecast date > 7 years.

# Ticket Details

The following lists the detailed information about each of the tickets addressed in this version.

Ticket #	Affects Client	Description									
FCAST-485 HDSAF-132	All	<b>HPV</b> – Two dose HPV schedule for patients beginning the series at < 15 years of age was not showing as complete with dose 2 administered at appropriate interval in v5.18.5 release.									
		Scenario	DOB	Gender	Antigen	Vacc Date	Valid	Rec Date	Min Date	Past Due	Comments
		HPV Two Dose Schedule (< 15 years of age)	07/10/2005	F	HPV9 (CVX 165)	09/14/2016	Y	03/14/2017	02/14/2017	09/14/2017	
					HPV9 (CVX 165)	03/15/2017	Y				Complete
		HPV with interval between doses 1 and 2 < 5 months	07/10/2005	F	HPV9 (CVX 165)	09/14/2016	Y	03/14/2017	02/14/2017	09/14/2017	
					HPV9 (CVX 165)	01/01/2017	Y	03/26/2017	03/26/2017	04/25/2017	Patient is moved to 3 –dose schedule
					HPV9 (CVX 165)	03/26/2017	Y				Complete
		HPV series started < 15 yrs of age. Patient age now > 15 yrs.	01/01/2001	F	HPV quadrivalent (CVX 62)	02/01/2013	Y	08/01/2013	07/01/2013	02/01/2014	

			HPV9 (CVX 165)	01/01/2018	Y				Complete	
	HPV series started at >= 15 years of age	01/01/1999	M	HPV quadrival ent (CVX 62)	03/01/2015	Y	04/26/2015	03/29/2015	10/26/2015	Patient is on 3-dose schedule
				HPV quadrival ent (CVX 62)	05/01/2015	Y	09/01/2015	08/01/2015	10/01/2015	
				HPV quadrival ent (CVX 62)	09/01/2015	Y				Complete
FCAST-484 HDSAF-131 HDSAF-137	All	<b>Tdap</b> – Tdap administered at >= 11 years of age was displaying an incorrect forecast date for the Td booster dose in v5.18.5 release.								
	<b>Scenario</b>	<b>DOB</b>	<b>Gender</b>	<b>Antigen</b>	<b>Vacc Date</b>	<b>Valid</b>	<b>Rec Date</b>	<b>Min Date</b>	<b>Past Due</b>	<b>Comments</b>
	Tdap at >= 11 yrs of age. Td forecast 10 years later	09/18/2004	M	DTaP Unspec (CVX 107)	11/18/2004	Y				
				DTaP Unspec (CVX 107)	01/13/2005	Y				
				DTaP Unspec (CVX 107)	03/30/2005	Y				
				DTaP Unspec (CVX 107)	03/27/2006	Y				

			DTaP Unspec (CVX 107)	11/18/2008	Y	09/18/2015	09/18/2015	10/18/2015	
			Tdap (CVX 115)	11/07/2016	Y	11/07/2026	11/07/2021	12/07/2026	
Tdap at >= 11 yrs of age. Td forecast 10 years later	07/02/2002	F	DTaP-Hib (CVX 50)	11/12/2002	Y				
			DTaP-5 Pertussis (CVX 106)	04/02/2003	Y				
			DTaP (CVX 20)	01/30/2003	Y				
			DTaP-5 Pertussis (CVX 106)	10/13/2003	Y				
			DTaP-5 Pertussis (CVX 106)	07/11/2006	Y	07/02/2013	07/02/2013	08/01/2013	
			Tdap (CVX 115)	07/26/2013	Y	07/26/2023	07/26/2018	08/25/2023	
Tdap at >= 11 yrs of age. Td forecast 10 years later	12/29/2000	M	DTaP-5 Pertussis (CVX 106)	02/27/2001	Y				
			DTaP-5 Pertussis (CVX 106)	05/01/2001	Y				



			DTaP-5 Pertussis (CVX 106)	07/17/2001	Y				
			DTaP-5 Pertussis (CVX 106)	04/01/2002	Y				
			DTaP-5 Pertussis (CVX 106)	01/25/2004	N	12/29/2007	12/29/2007	01/28/2008	Invalid Vaccination: Minimum age for this dose not met.
			Tdap (CVX 115)	06/28/2012	Y	06/28/2022	06/28/2017	07/28/2022	
Tdap at >= 11 yrs of age. Td forecast 10 years later	02/22/2002	F	DTaP-5 Pertussis (CVX 106)	04/22/2002	Y				
			DTaP-5 Pertussis (CVX 106)	08/23/2002	Y				
			DTaP-5 Pertussis (CVX 106)	11/25/2002	Y				
			DTaP-5 Pertussis (CVX 106)	06/23/2003	Y				
			DTaP-5 Pertussis (CVX 106)	06/30/2006	Y	02/22/2013	02/22/2013	03/24/2013	
			Tdap (CVX 115)	08/18/2014	Y	08/18/2024	08/18/2019	09/17/2024	

Tdap at >= 11 yrs of age. Td forecast 10 years later	09/18/2004	F	DTaP Unspec (CVX 107)	11/18/2004	Y				
			DTaP Unspec (CVX 107)	01/13/2005	Y				
			DTaP Unspec (CVX 107)	03/30/2005	Y				
			DTaP Unspec (CVX 107)	03/27/2006	Y				
			DTaP Unspec (CVX 107)	11/18/2006	N	09/18/2011	09/18/2011	10/18/2011	Invalid Vaccination: Minimum age for this dose not met.
			Tdap (CVX 115)	11/07/2016	Y	11/07/2026	11/07/2021	12/07/2026	
Tdap at >= 11 yrs of age. Td forecast 10 years later	02/26/2003	M	DTaP Unspec (CVX 107)	06/26/2003	Y				
			DTaP Unspec (CVX 107)	08/28/2003	Y				
			DTaP Unspec (CVX 107)	06/22/2004	Y				
			DTaP Unspec (CVX 107)	05/27/2008	Y	02/26/2014	02/26/2014	03/28/2014	
			Tdap (CVX 115)	05/04/2015	Y	05/04/2025	05/04/2020	06/03/2025	

	Tdap at >= 11 yrs of age. Td forecast 10 years later	03/21/2001	M	DTaP Unspec (CVX 107)	05/24/2001	Y				
				DTaP Unspec (CVX 107)	07/30/2001	Y				
				DTaP Unspec (CVX 107)	09/29/2001	Y				
				DTaP Unspec (CVX 107)	10/23/2002	Y				
				DTaP Unspec (CVX 107)	03/22/2006	Y	03/21/2012	03/21/2012	04/20/2012	
				Tdap (CVX 115)	03/29/2012	Y	03/29/2022	03/29/2017	04/28/2022	
FCAST-483 HDWA-3167 FCAST-486 HDSAF-134	All	<b>Polio</b> – Dose #3 at 48 months of age with 6 month interval from Dose #2 was not counted as complete when in a mixed schedule of OPV and IPV and/or DTaP-IPV exists in immunization history.								
Scenario	DOB	Gender	Antigen	Vacc Date	Valid	Rec Date	Min Date	Past Due	Comments	
History of OPV and IPV. Dose #3 at 48 mos of age.	12/30/2012	F	OPV (CVX 2)	12/12/2013	Y					

			OPV (CVX 2)	04/08/2016	N				(Trivalent OPV is no longer available) Invalid: OPV bivalent and OPV monovalent are not acceptable for Polio series	
			DTaP-Hib-IPV (CVX 120)	10/25/2016	Y					
			DTaP-IPV (CVX 130)	08/08/2017	Y				Complete	
	Dose #3 at 48 mos of age.	12/20/2004	M	IPV (CVX 10)	04/14/2005	Y				
				DTaP-HepB-IPV (CVX 110)	06/21/2005	Y				
				DTaP-IPV (CVX 130)	12/22/2008	Y			Complete	
FCAST-488 FCAST-442 HDMT-1841	All	DTaP – DtaP #4 did not forecast Dose #5 when administered at >= 4 years of age with a 4 month interval from Dose #3. To be considered complete for primary series, the 4 <sup>th</sup> dose must meet the 6 month interval from Dose #3.								
	<b>Scenario</b>	<b>DOB</b>	<b>Gender</b>	<b>Antigen</b>	<b>Vacc Date</b>	<b>Valid</b>	<b>Rec Date</b>	<b>Min Date</b>	<b>Past Due</b>	<b>Comments</b>
	DTaP #4 at >= 48 mos., less than 6 month interval from Dose #3	02/01/2013	M	DTaP (CVX 20)	05/12/2013	Y				
				DTaP (CVX 20)	08/15/2016	Y				

			DTaP (CVX 20)	11/15/2017	Y				
			DTaP (CVX 20)	03/15/2018	Y	09/15/2018	09/15/2018	02/01/2020	DTaP #5 is forecast.
			DTaP (CVX 20)	09/15/2018	Y	02/01/2024	02/01/2024	02/01/2026	Tdap booster recommended at 11 yrs of age.
DTaP #4 at >= 48 mos., meets 6 month interval from Dose #3	02/01/2012	M	DTaP (CVX 20)	05/12/2012	Y				
			DTaP (CVX 20)	08/15/2015	Y				
			DTaP (CVX 20)	11/15/2015	Y				
			DTaP (CVX 20)	06/15/2016	Y	02/01/2019	02/01/2019	03/03/2019	Dose 4 at >= 4 yrs of age. Dose 5 is not needed. Tdap forecast at 11 yrs of age.

# Product Documentation

Product documentation is located on the STC Documentation Portal:  
<https://documentation.stchome.com/>.

The following documents are available for this version of ImmuCast:

- ImmuCast 5.18.1 User Guide