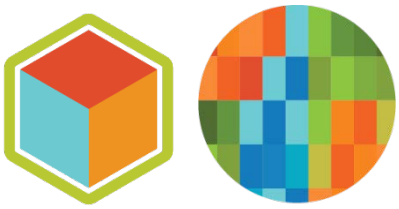

ImmuCast

Release Notes

v5.18.1

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 5.18.1 (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 Patch

Apply the patch by executing either the included `forecast.bat` or `forecast.sh` file. Prior forecast patches through version 5.17.10 should have already been applied. Log files, which are created in the same folder from where the patch 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 5.17.10 or later, download and apply the previous patches prior to applying this patch. If any of the prior 5.17.x patches 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 patch is executed and can be reviewed for errors.

For example, if the patch for 5.17.10 was not applied, uncomment that line in the file to include it when the patch is executed:

```
REM sqlplus H33ASIIS/ASIIS@SIIS @forecast_patch5_17_10.sql
```

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

For ImmuCast (Stand-Alone Forecaster)

A Tomcat restart is required after applying this patch.

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 forecast 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. IWeb version 5.17.5.2 or later will not affect the deduplication of HL7 messages.

After applying the database patch, log in to SQLPlus as the H33ASIIS user. 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.

Zoster – Age 50+ years

Ticket Details

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

<table>
<tr><th>Ticket #</th><th>Description</th></tr>
<tr><td>FCAST-452

Affects all clients</td><td>CVX code updates from IIS: Current HL7 Standard Code Set CVX -- Vaccines Administered
<table>
<tr><th>CVX Code</th><th>CVX Short Description</th><th>Full Vaccine Name</th><th>Vaccine Status</th><th>Update Date</th></tr>
<tr><td>187</td><td>zoster recombinant</td><td>zoster vaccine recombinant</td><td>Active</td><td>10/27/2017</td></tr>
<tr><td>188</td><td>zoster, unspecified formulation</td><td>zoster vaccine, unspecified formulation</td><td>Inactive</td><td>10/27/2017</td></tr>
<tr><td></td><td>RSV-Mab(new)</td><td>Respiratory syncytial virus monoclonal antibody (montavizumab), intramuscular</td><td>Never Active</td><td>10/27/2017</td></tr>
<tr><td>32</td><td>meningococcal MPSV4</td><td>meningococcal polysaccharide vaccine (MPSV4)</td><td>Inactive</td><td>10/27/2017</td></tr>
<tr><td>09</td><td>Td (adult), 2 Lf tetanus toxoid, preservative free, adsorbed</td><td>tetanus and diphtheria toxoids, adsorbed, preservative free, for adult use (2 Lf of tetanus toxoid and 2 Lf of diphtheria toxoid)</td><td>Active</td><td>10/27/2017</td></tr>
<tr><td>189</td><td>Hep B, adjuvanted</td><td>Hepatitis B vaccine (recombinant), adjuvanted</td><td>Active</td><td>10/27/2017</td></tr>
</table></td></tr>
</table>

Ticket #	Description
	IWeb only: MVX code updates from IIS: Current HL7 Standard Code Set MVX – Manufacturers of Vaccines

MVX Code	Manufacturer Name
DSI	Dispensing Solutions
REB	Rebel Distributors
VET	Vetter Pharma Fertigung GmbH & Co. KG

FCAST-453 Affects all clients	ACIP Shingrix Recommendations: Zoster recombinant (Shingrix - CVX 187) will be the preferred zoster vaccine and is recommended at 50 years of age. The ACIP recommends two doses of Shingrix separated by 2 months. For patients who previously received Zoster Vaccine Live, two doses of Shingrix are recommended. https://www.cdc.gov/mmwr/volumes/67/wr/mm6703a5.htm?s_cid=mm6703a5_e https://www.cdc.gov/mmwr/volumes/67/wr/pdfs/mm6703a5-H.pdf
FCAST-395 HDTN-778 Affects IWeb & MT Only	**Tdap:** The forecast for a dose of pertussis at >= 7 years of age was not being separated to Tdap when a pediatric DT, tetanus toxoid adsorbed, or tetanus toxoid not adsorbed was present in the immunization history.

Scenario	DOB	Gen-der	Antigen	Vacc Date	Valid (Y)	Rec Date	Min Date	Past Due	Comments
Pediatric DT in immunization history	07/04/2003	M	DTaP (CVX 106)	09/03/2003	Y				

Ticket # Description									
Scenario	**DOB**	**Gen-der**	**Antigen**	**Vacc Date**	**Valid (Y)**	**Rec Date**	**Min Date**	**Past Due**	**Comments**
			DTaP (CVX 106)	12/02/2003	Y				
			DTaP (CVX 106)	01/26/2004	Y				
			DTaP (CVX 106)	01/07/2005	Y				
			DTaP (CVX 106)	07/16/2008	Y				
			DT Pediatric (CVX 28)	08/26/2014	Y	08/27/2014	08/27/2014	09/26/2014	Tdap forecast
Td adsorbed immunization history	07/24/2003	M	DTaP (CVX 106)	09/03/2003	Y				
			DTaP (CVX 106)	12/02/2003	Y				

Ticket #	Description								
Scenario	**DOB**	**Gen-der**	**Antigen**	**Vacc Date**	**Valid (Y)**	**Rec Date**	**Min Date**	**Past Due**	**Comments**
			DTaP (CVX 106)	01/26/2004	Y				
			DTaP (CVX 106)	01/07/2005	Y				
			DTaP (CVX 106)	07/16/2008	Y				
			Tetanus toxoid adsorbed (CVX 35)	08/26/2014	Y	08/27/2014	08/27/2014	09/26/ 2014	Tdap forecast
Td not adsorbed in immunization history	07/04/2003	M	DTaP (CVX 106)	09/03/2003	Y				
			DTaP (CVX 106)	12/02/2003	Y				

Ticket #	Description

Scenario	DOB	Gen-der	Antigen	Vacc Date	Valid (Y)	Rec Date	Min Date	Past Due	Comments
			DTaP (CVX 106)	01/26/2004	Y				
			DTaP (CVX 106)	01/07/2005	Y				
			DTaP (CVX 106)	07/16/2008	Y				
			Tetanus toxoid not adsorbed (CVX 142)	08/26/2014	Y	08/27/2014	08/27/2014	09/26/ 2014	Tdap forecast

FCAST-441 HDWA-3068 Affects all clients	Patient DTaP/Tdap forecast was not moved to 7 years of age for current age based on today's date.

Scenario	DOB	Gen-der	Antigen	Vacc Date	Valid (Y)	Rec Date	Min Date	Past Due	Comments
DTaP/Tdap	09/06/2010	F	DTaP-Hib-IPV (CVX 120)	11/18/2010	Y				

Ticket #	Description

Scenario	DOB	Gen-der	Antigen	Vacc Date	Valid (Y)	Rec Date	Min Date	Past Due	Comments
			DTaP-Hib-IPV (CVX 120)	01/08/2011	Y				
			DTaP-Hib-IPV (CVX 120)	03/07/2011	Y				
			DTaP (CVX 20)	03/07/2014	Y	09/06/2017	09/06/2017	10/06/2017	Tdap forecast

FCAST-439 HDAZ-858 Affects all clients	Influenza – For children < 9 years of age, the influenza forecast was not considering doses administered prior to July 1, 2010 towards the 2 previous doses count.

Scenario	DOB	Gen-der	Antigen	Vacc Date	Valid (Y)	Rec Date	Min Date	Past Due	Comments
Influenza	06/01/2009	F	Influenza (CVX 141)	12/21/2009	Y				
			Influenza (CVX 141)	04/12/2010	Y				

Ticket #	Description

Scenario	DOB	Gen-der	Antigen	Vacc Date	Valid (Y)	Rec Date	Min Date	Past Due	Comments
			Influenza (CVX 141)	09/13/2017	Y	10/01/2018	07/01/2018		

FCAST-454
HDWA-3065

Affects all clients

Update invalid reasons for OPV to display at invalid with reason of "OPV bivalent and OPV monovalent are not acceptable for Polio series." if vaccination date is >= 04/01/2016. Administration dates prior to 04/01/2016 will display another reason type.

Scenario	DOB	Gen-der	Antigen	Vacc Date	Valid (Y)	Rec Date	Min Date	Past Due	Comments
OPV invalid reasons	01/01/2014	F	MMR	01/01/2015	Y				
			OPV (CVX 02)	01/01/2015	N				Invalid Vaccination: Live vaccines not administered on same date must be separated by 28 days.
OPV invalid reasons	01/01/2014	F	MMR (CVX 03)	04/01/2016	Y				

Ticket #	Description								
			OPV (CVX 02)	04/02/2016	N				Invalid Vaccination: OPV bivalent and OPV monovalent are not acceptable for Polio series.

FCAST-360
HDWA-2877

Affects all clients

HPV prior to the Dec 2016 MMWR required 24 weeks between doses 1 and 3. The forecast was only enforcing 16 weeks. Will change to enforce 24 weeks for those doses.

https://www.cdc.gov/vaccines/schedules/downloads/past/2015-adult.pdf

A complete series for either HPV4 or HPV2 consists of 3 doses. The second dose should be administered 4 to 8 weeks (minimum interval of 4 weeks) after the first dose; the third dose should be administered 24 weeks after the first dose and 16 weeks after the second dose (minimum interval of at least 12 weeks).

Scenario	DOB	Gen-der	Antigen	Vacc Date	Valid (Y)	Rec Date	Min Date	Past Due	Comments
HPV Historical Schedule (2015)	07/10/2000	F	HPV quadrivalent (CVX 62)	07/10/2015	Y				
			HPV quadrivalent (CVX 62)	08/10/2015	Y				
			HPV quadrivalent (CVX 62)	11/10/2015	N				Invalid Vaccination: Minimum interval from Dose 1 not met.

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