ImMTrax Vaccine Forecaster ImmuCast 2.0

Note: *imMTrax* uses code called ImmuCast to forecast vaccines due via the *imMTrax* forecaster tool. ImmuCast is based on the Advisory Committee on Immunization Practices (ACIP) recommended vaccine schedule guidelines. This guide provides details on the changes between the old *imMTrax* forecaster logic (ImmuCast 1.0) and the new forecaster logic (ImmuCast 2.0).

Overview of *imMTrax* Vaccine Forecaster Changes in ImmuCast 2.0:

- The vaccine forecaster will display vaccines the patient isn't due for, overdue for, or due for in the future.
- Vaccines displayed on the Forecaster that are not forecasted with display with a status of Complete, Aged Out, or Contraindicated.
- The vaccine Tdap is now under the DTaP/Tdap/Td vaccine group.
- HepB vaccine group now combines HepB-3 Dose and HepB-2 Dose.
- Pneumococcal vaccine group now combines PCV series and PPSV23
- Meningococcal B vaccine group now combines MeningB Recombinant and MeningB OMV.

Sample Vaccine Record Displaying New Forecaster

Patient

Name:	RONALD WEASLEY	SIIS Patient ID:	1759783
Date of Birth:	03/01/2013	Age:	11 yrs
Guardian:	MOLLY	Organization Level Status:	Active

Vaccination Forecast

The forecast automatically switches to the catch-up schedule when a patient is behind schedule.

Vaccine Group	Forecasted Dose	Recommended Date	Minimum Valid Date	Overdue Date	Status
Polio	2	Past Due	05/29/2013	08/28/2013	Past Due
HepB	3	Past Due	08/16/2013	10/28/2014	Past Due
HepA	1	Past Due	03/01/2014	03/28/2015	Past Due
DTaP/Tdap/Td	2	Past Due	03/01/2020	03/01/2020	Past Due
COVID-19	1	Past Due	09/12/2023	10/09/2023	Past Due
Meningococcal	1	03/01/2024	03/01/2024	03/28/2026	Due Now
Influenza	4	07/01/2024	07/01/2024	07/28/2024	Past Due
HPV	2	09/01/2024	08/01/2024	04/28/2025	Due Now
Meningococcal B	1	03/01/2029	03/01/2029	03/28/2029	Not Yet Due
Zoster	1	03/01/2063	03/01/2063	03/28/2063	Not Yet Due
Pneumococcal	1	03/01/2078	03/01/2078	03/28/2078	Not Yet Due
Hib					Aged Out
MMR					Complete
Rotavirus					Aged Out
Varicella					Contraindicated

Due Now -- As of today's date, the patient's age falls between the recommended minimum age and the recommended maximum age for this dose and the absolute minimum interval has been met since the last dose.
Past Due -- As of today's date, the recommended maximum age or the recommended maximum date for this dose has passed.
Not Yet Due -- As of today's date, the patient is not due or past due.
Optional -- This vaccine may be administered today. Although the usual "recommended" date has not been met, the minimum valid date for this dose has been met.

Vaccine Status Options
Not Yet Due
Due Now
Past Due
Aged Out **(*NEW*)**
Complete **(*NEW*)**
Contraindicated **(*NEW*)**

Vaccine Group Changes in New imMTrax Forecaster (ImmuCast 2.0)

Vaccine Group Name	Changes in New *imMTrax* Forecaster (ImmuCast 2.0)
Cholera	No Changes
COVID-19	No Changes
DTaP/Tdap/Td	**Includes Tdap**
HepA	No Changes
HepB	**Combines HepB-3 Dose and HepB-2 Dose**
Hib	No Changes
HPV	No Changes
Influenza	No Changes
Meningococcal	No Changes
Meningococcal B	**Combines MeningB Recombinant and MeningB OMV**
MMR	**Combines MMR and single antigen Measles, Mumps, and Rubella**
Pneumococcal	**Combines PCV series and PPSV23**
Polio	No Changes
Rabies	No Changes
Rotavirus	No Changes
RSV	No Changes
Typhoid	No Changes
Varicella	No Changes
Yellow Fever	No Changes
Zoster	No Changes

Changes to invalid Vaccination Reasons

ImmuCast 1.0 Invalid Vaccination Reason	ImmuCast 2.0 Invalid Vaccination Reason
Minimum age for this doge not met.	**Too Young**
Patient age outside of recommended schedule.	**Too Old**
Minimum interval from previous dose not met.	**Too Soon**
Td administered prior to 7 years of age and as dose 1, 2, or 3 should be repeated with age appropriate vaccine.	**Inadvertent Administration**
Tdap administered prior to 7 years of age and as dose 1, 2, or 3 should be repeated with age appropriate vaccine.	
OPV bivalent and OPV monovalent are not acceptable for Polio series.	
HPV Bivalent vaccine is not appropriate for male vaccination or cannot be validated due to missing gender. Inadvertent dose.	
Live vaccines not administered on same date must be separated by 28 days.	**Live Virus Conflict**
Measles or Varicella containing vaccine administered < 14 days prior to antibody containing product.	
Measles or Varicella containing vaccine administered less than recommended interval following antibody containing product.	
HepB Pediatric/Adole]scent vaccine dosage is not sufficient for patient after 19 years of age.	**Invalid Administration**
Zoster, unspecified is accepted only as last dose in series. Zoster live is not acceptable for this dose.	