MD Immunet COVID-19 Immunization reporting protocol

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Abstract

This document is to be used by Schreiber Allergy at 9601 Blackwell Road to assist with the collecting and reporting of patient data while administering Moderna COVID-19 vaccination shots in compliance with guidelines set forth by the CDC and the State of Maryland. It goes over governmental guidelines, required data collection, and data reporting.

1 CDC and Immunet Guidelines

The CDC requires that patient data is reported within 24 hours of administering an COVID immunization. [1]

Maryland vaccination reporting is done through Immunet. They require a separate list of information that corresponds heavily with the guidelines set out by the CDC. We at Schreiber Allergy will be interfacing with Immunet to report our vaccination data to the government. [2]

2 Required Patient Data

The following table lists data elements that need to be filled out for each patient. Note that you only need to pay attention to the circled values, the rest are standard and the same for every patient. More explanations here.

Data Field	Example	Notes
Record Identifier	90011	Use Patient ID #
Patient Status	A	[3]
First Name	Chris	
Last Name	Zhang	
Birth Date	04011996	MMDDYYY format. Include leading zeroes
Sex (Gender)	M	see Table 5
Race	A	see Table 4
Ethnicity	NH	see Table 3
Street Address	312 April Fools Road	
City	Rockville	
State	Maryland	
Zip	20850	
County	MD031	see Table 7
Phone	3015455512	
Sending Organization	161143523	[3]
CVX Code	207	[3]
NDC Code	80777-273	[3]
Vaccination Date	01202021	MMDDYYY format. Include leading zeroes
Administration Route	IM	[3]
Body Site Code	RD	see Table 2
Manufacturer Code	MOD	
Immunization Information Source	00	[3]

[1] CDC Requirements
[2] Immunet webpage

Data Field	Example	Notes
Lot Number	1010111	Include leading zeroes
Provider Name	Rachel Schreiber	
Administered By	Colleen Ott	
Financial Class	V01	see Table 6
Vaccine Purchased With	PVF	[3]

Table 1: Required Patient Data

3 Data Reporting

Immunet allows for information to be sent to them in a few different methods, all of these methods are either expensive or take a bunch of time. Out of these, by far the least tedious is submitting a CSV file. CSV files store data as a spreadsheet with each cell separated by commas or new lines (you can open up CSV files with either excel or notepad). Immunet imposes additional requirements on the CSV file submission, you can find specific guidelines here.

I created a program to greatly streamline this process. If you know how to run python code, you can find it in this Github repository. Follow the below instructions to successfully submit files to Immunet.

1. Collect all of the required patient data, enter it into the file called "INPUT_FILE.xlsx". Each patient should be one row. Make sure that all of the leading zeroes are there (this may require converting the cell format to 'text' and that all data values are accurate[4].
2. Save "INPUT_FILE.xlsx" as a CSV file using the "Save as" feature in excel. Note, the program only works if the file is titled 'INPUT_FILE', a CSV file, and is in the same folder as the program.
3. Make sure that "CSV_Converter_Immunet" is in a folder with "INPUT_FILE.csv" and double click the file titled "CSV_Converter_Immunet"
4. Wait a few seconds as the files load. Two files should show up in the folder with a bunch of numbers. These files are automatically named according to the Immunet requirements. [5]
5. Open up your browser, navigate to the Immunet Web Page, and log in.
6. On the left side of the main menu click "Data File loading". Press the 'browse' button next to "Patient File Name" and select the _CL_ file. Press the 'browse' button next to "Client File name" and select the _IMM_ file.
7. Press the Upload Button and wait till the upload is complete (should take under one minute)

[3] Data Values already provided by template, do not change
[4] If not, you'll have to go into the whole Maryland immunization database and manually edit values (it sucks)
[5] If you would like to submit multiple rounds of files in a single day, make sure to change the 01 at the end of both file names to 02, 03, ...

Code	Description
LD	Left Deltoid
RD	Right Deltoid

Table 2: Body Site Code

Code	Description
NH	Non-Hispanic
H	Hispanic

Table 3: Ethnicity Code

Code	Description
I	American Indian or Alaska Native
A	Asian or Pacific Islander
B	Black or African-American
W	White
O	Other
U	Unknown

Table 4: Race Code

Code	Description
F	Female
M	Male
U	Unknown

Table 5: Sex(Gender) Code

Code	Description
V01	Not VFC Eligible
V02	VFC Eligible – Medicaid (including Healthy Kids)
V03	VFC Eligible – Uninsured
V04	VFC Eligible – American Indian / Alaska Native
V05	VFC Eligible – Underinsured (FQHC & LHD only)

Table 6: VFC Eligibility Code

Code	Description
MD001	Allegany
MD003	Anne Arundel
MD005	Baltimore
MD009	Calvert
MD011	Caroline
MD013	Carroll
MD015	Cecil
MD017	Charles
MD019	Dorchester
MD021	Frederick
MD023	Garrett
MD025	Harford
MD027	Howard
MD029	Kent
MD031	Montgomery
MD033	Prince George's
MD035	Queen Anne's
MD037	Saint Mary's
MD039	Somerset
MD041	Talbot
MD043	Washington
MD045	Wicomico
MD047	Worchester
MD0510	Baltimore City

Table 7: County Code