

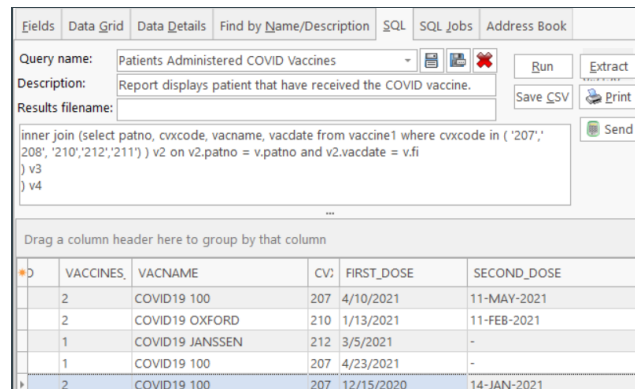
# SQL: Patients Administered COVID Vaccines

Last Modified on 12/08/2021 8:10 am EST

## About

This report lists all patients who have received a COVID vaccine. The report displays the date of the first and second doses.

A sample image of this SQL report run in the Database Viewer is shown below:



VACCINES	VACNAME	CV	FIRST_DOSE	SECOND_DOSE
2	COVID19 100	207	4/10/2021	11-MAY-2021
2	COVID19 OXFORD	210	1/13/2021	11-FEB-2021
1	COVID19 JANSSEN	212	3/5/2021	-
1	COVID19 100	207	4/23/2021	-
2	COVID19 100	207	12/15/2020	14-JAN-2021

## Caveats

If your Practice receives a "CONVERSION ERROR", see below for an alternate SQL.

## Code

To highlight and copy the code below to your clipboard, simply click the **Copy** button.

Copy

```
select v4.patno, status_pat, v4.vaccines_Given, vacname, cvxcode, first_dose, case when second_test = '12/31/1999' then
en '-' else second_test end as second_dose, days_since, status from (
select v3.*, case
when cvxcode = '212' then 'finished'
when cvxcode in (208, '208') and vaccines_given = 1 and days_since <21 then 'not yet'
when cvxcode in ('207',207) and vaccines_given = 1 and days_since <28 then 'not yet'
when cvxcode in ('207','208',208) and vaccines_given = 2 then 'finished'
else 'due'
end as status
from (
select patno, vaccines_given, vacname, cvxcode, fi as first_dose, case when se <> fi then se else '12/31/1999' end as se
cond_test, case when se = '12/31/1999' then datediff(day,fi,cast('today' as date)) else datediff(day,se,cast('today' as dat
e)) end as days_since
from (
select patno, count(vacdate) as vaccines_given, min(vacdate) as fi, max(vacdate) as se from vaccine1 where cvxcode in
( '207',' 208', '210','212','211',208,210,207) group by patno
) v
inner join (select patno, cvxcode, vacname, vacdate from vaccine1 where cvxcode in ( '207',' 208', '210','212','211',208,21
0,207) ) v2 on v2.patno = v.patno and v2.vacdate = v.fi
) v3
) v4
inner join register on register.patno = v4.patno
```

## SQL Code for Conversion Error

The Conversion Error displays due to corrupt vaccine data in the Practice database. Each vaccine entered into OP has a two or three-digit CVX code identifying the type of vaccine. Conversion errors occur when a Practice has vaccines in the Vaccine Table of the database without a CVX code. This may reflect incompletely converted legacy data from a previous EMR system or it may represent user error when entering legacy vaccines. To find all corrupt data, vaccines in OP without a CVX code, highlight and copy the code below to your clipboard, simply click the **Copy** button.

Copy

```
select * From vaccine1 where cvxcode is null or cvxcode = "
```

To bypass the error, highlight and copy the code below to your clipboard, simply click the **Copy** button.

Copy

```
select v4.patno, status_pat, v4.vaccines_Given, vacname, cvxcode, first_dose, case when second_test = '12/31/1999' then  
en '-' else second_test end as second_dose, days_since, status from (  
select v3.*, case  
when cvxcode = '212' then 'finished'  
when cvxcode in (208, '208') and vaccines_given = 1 and days_since <21 then 'not yet'  
when cvxcode in ('207',207) and vaccines_given = 1 and days_since <28 then 'not yet'  
when cvxcode in ('207','208',208) and vaccines_given = 2 then 'finished'  
else 'due'  
end as status  
from (  
select patno, vaccines_given, vacname, cvxcode, fi as first_dose, case when se <> fi then se else '12/31/1999' end as se  
cond_test, case when se = '12/31/1999' then datediff(day,fi,cast('today' as date)) else datediff(day,se,cast('today' as dat  
e)) end as days_since  
from (  
select patno, count(vacdate) as vaccines_given, min(vacdate) as fi, max(vacdate) as se from (select * from vaccine1 wh  
ere cvxcode is not null and cvxcode <> '') vaccine1 where cvxcode in ( '207',' 208', '210','212','211',208,210,207) group b  
y patno  
) v  
inner join (select patno, cvxcode, vacname, vacdate from (select * from vaccine1 where cvxcode is not null and cvxcode  
<> '') vaccine1 where cvxcode in ( '207',' 208', '210','212','211',208,210,207) ) v2 on v2.patno = v.patno and v2.vacdate  
= v.fi  
) v3  
) v4  
inner join register on register.patno = v4.patno
```