/\*

Author: [Co-Author 1], Cameron Webster, [Co-Author 2]

Date: 29Jul2024

Purpose: [CDC Data] upload

\*/

/\* Step 1: Connect to ODBC and create the [Project]\_data table \*/

**proc** **sql**;

connect to odbc (dsn=”[Private Database]”);

create table [Project]\_data as

select \*

from connection to odbc(

SELECT DISTINCT

Datatable1.data\_id,

Datatable1.AccessNum,

Datatable2.PatientDOB,

Datatable2.FacilityName,

Datatable2.FacilityID,

Datatable3.PanelCd,

Datatable3.Panel,

Datatable4.LabTestCd,

Datatable4.LabTest,

Datatable5.code,

Datatable5.CodeDesc,

Datatable5.SpecimenCollectionDate

FROM Datatable1 AS Datatable1

JOIN Datatable2 AS Datatable2 ON Datatable1.data\_id = Datatable2. Datatable2\_id

JOIN Datatable3 AS Datatable3 ON Datatable3.panel\_uid = Datatable1.panel\_uid

JOIN Datatable4 AS Datatable4 ON Datatable4.test\_uid = Datatable1.test\_uid

JOIN Datatable5 AS Datatable5 ON Datatable5.test\_uid = Datatable5.test\_uid

WHERE Datatable2.FacilityID IN (

'[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, ‘[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’,'[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, ‘[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’

)

AND UPPER(Datatable2.PatientLastName) NOT IN ('PROFICIENCY', 'QC')

AND Datatable3.PanelCd IN (

‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’, ‘[PanelNum]’

)

AND Datatable5.SpecimenCollectionDate > '2024-01-01 00:00:00'

);

disconnect from odbc;

**quit**;

**data** [Project]\_data1;

set [Project]\_data;

Keep FacilityName labtest codedesc specimencollectiondate;

**run**;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\*Start of 1st Macro\*/

options mprint symbolgen mlogic;

**%macro** Dis(disease);

data [Project]\_data1;

set [Project]\_data1;

if labtest="[Disease]"

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

or find(labtest, "[Disease]","i")

then delete;

run;

proc sql noprint;

select distinct compress(labtest)

from [Project]\_data1;

quit;

proc sql noprint;

select distinct compress(codedesc)

from [Project]\_data1;

quit;

data [Project]\_data1;

set [Project]\_data1;

LabTest=compress(LabTest);

CodeDesc=compress(CodeDesc);

if LabTest="[Disease]" or LabTest="[Disease]" then do;

LabTest="[Disease]";

end;

run;

proc format;

value YorN

**1** = "PCR test"

**0** = "Antigen Test"

;

run;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\*Incorporating [Author 2’s] Date Code\*/

/\*Convert Datetime to Date \*/

data [Project];

set [Project]\_data1;

/\*SpecimenCollectionDate\_numeric = input(SpecimenCollectionDate, datetime23.3);\*/

SpecimenCollection\_date = datepart(SpecimenCollectionDate);

format SpecimenCollection\_date date9.;

run;

/\*Create variables Weekcode, WeekEndingDateMonth, & WeekEndingDateDay\*/

Data [Project];

set [Project];

If SpecimenCollection\_date >=**'01SEP2023'd** and SpecimenCollection\_date <=**'02SEP2023'd** then WeekEnd = **'02SEP2023'd**; ELSE If SpecimenCollection\_date >=**'03SEP2023'd** and SpecimenCollection\_date <=**'09SEP2023'd** then WeekEnd = **'09SEP2023'd**;

ELSE If SpecimenCollection\_date >= **'10SEP2023'd** and SpecimenCollection\_date <= **'16SEP2023'd** then WeekEnd = **'16SEP2023'd**; ELSE If SpecimenCollection\_date >= **'17SEP2023'd** and SpecimenCollection\_date <= **'23SEP2023'd** then WeekEnd = **'23SEP2023'd**;

ELSE If SpecimenCollection\_date >= **'24SEP2023'd** and SpecimenCollection\_date <= **'30SEP2023'd** then WeekEnd = **'30SEP2023'd**; ELSE If SpecimenCollection\_date >= **'01OCT2023'd** and SpecimenCollection\_date <= **'07OCT2023'd** then WeekEnd = **'07OCT2023'd**;

ELSE If SpecimenCollection\_date >= **'08OCT2023'd** and SpecimenCollection\_date <= **'14OCT2023'd** then WeekEnd = **'14OCT2023'd**; ELSE If SpecimenCollection\_date >= **'15OCT2023'd** and SpecimenCollection\_date <= **'21OCT2023'd** then WeekEnd = **'21OCT2023'd**;

ELSE If SpecimenCollection\_date >= **'22OCT2023'd** and SpecimenCollection\_date <= **'28OCT2023'd** then WeekEnd = **'28OCT2023'd**; ELSE If SpecimenCollection\_date >= **'29OCT2023'd** and SpecimenCollection\_date <= **'04NOV2023'd** then WeekEnd = **'04NOV2023'd**;

ELSE If SpecimenCollection\_date >= **'05NOV2023'd** and SpecimenCollection\_date <= **'11NOV2023'd** then WeekEnd = **'11NOV2023'd**; ELSE If SpecimenCollection\_date >= **'12NOV2023'd** and SpecimenCollection\_date <= **'18NOV2023'd** then WeekEnd = **'18NOV2023'd**;

ELSE If SpecimenCollection\_date >= **'19NOV2023'd** and SpecimenCollection\_date <= **'25NOV2023'd** then WeekEnd = **'25NOV2023'd**; ELSE If SpecimenCollection\_date >= **'26NOV2023'd** and SpecimenCollection\_date <= **'02DEC2023'd** then WeekEnd = **'02DEC2023'd**;

ELSE If SpecimenCollection\_date >= **'03DEC2023'd** and SpecimenCollection\_date <= **'09DEC2023'd** then WeekEnd = **'09DEC2023'd**; ELSE If SpecimenCollection\_date >= **'10DEC2023'd** and SpecimenCollection\_date <= **'16DEC2023'd** then WeekEnd = **'16DEC2023'd**;

ELSE If SpecimenCollection\_date >= **'17DEC2023'd** and SpecimenCollection\_date <= **'23DEC2023'd** then WeekEnd = **'23DEC2023'd**; ELSE If SpecimenCollection\_date >= **'24DEC2023'd** and SpecimenCollection\_date <= **'30DEC2023'd** then WeekEnd = **'30DEC2023'd**;

ELSE If SpecimenCollection\_date >= **'31DEC2023'd** and SpecimenCollection\_date <= **'06JAN2024'd** then WeekEnd = **'06JAN2024'd**; ELSE If SpecimenCollection\_date >= **'07JAN2024'd** and SpecimenCollection\_date <= **'13JAN2024'd** then WeekEnd = **'13JAN2024'd**;

ELSE If SpecimenCollection\_date >= **'14JAN2024'd** and SpecimenCollection\_date <= **'20JAN2024'd** then WeekEnd = **'20JAN2024'd**; ELSE If SpecimenCollection\_date >= **'21JAN2024'd** and SpecimenCollection\_date <= **'27JAN2024'd** then WeekEnd = **'27JAN2024'd**;

ELSE If SpecimenCollection\_date >= **'28JAN2024'd** and SpecimenCollection\_date <= **'03FEB2024'd** then WeekEnd = **'03FEB2024'd**; ELSE If SpecimenCollection\_date >= **'04FEB2024'd** and SpecimenCollection\_date <= **'10FEB2024'd** then WeekEnd = **'10FEB2024'd**;

ELSE If SpecimenCollection\_date >= **'11FEB2024'd** and SpecimenCollection\_date <= **'17FEB2024'd** then WeekEnd = **'17FEB2024'd**; ELSE If SpecimenCollection\_date >= **'18FEB2024'd** and SpecimenCollection\_date <= **'24FEB2024'd** then WeekEnd = **'24FEB2024'd**;

ELSE If SpecimenCollection\_date >= **'25FEB2024'd** and SpecimenCollection\_date <= **'02MAR2024'd** then WeekEnd = **'02MAR2024'd**; ELSE If SpecimenCollection\_date >= **'03MAR2024'd** and SpecimenCollection\_date <= **'09MAR2024'd** then WeekEnd = **'09MAR2024'd**;

ELSE If SpecimenCollection\_date >= **'10MAR2024'd** and SpecimenCollection\_date <= **'16MAR2024'd** then WeekEnd = **'16MAR2024'd**; ELSE If SpecimenCollection\_date >= **'17MAR2024'd** and SpecimenCollection\_date <= **'23MAR2024'd** then WeekEnd = **'23MAR2024'd**;

ELSE If SpecimenCollection\_date >= **'24MAR2024'd** and SpecimenCollection\_date <= **'30MAR2024'd** then WeekEnd = **'30MAR2024'd**; ELSE If SpecimenCollection\_date >= **'31MAR2024'd** and SpecimenCollection\_date <= **'06APR2024'd** then WeekEnd = **'06APR2024'd**;

ELSE If SpecimenCollection\_date >= **'07APR2024'd** and SpecimenCollection\_date <= **'13APR2024'd** then WeekEnd = **'13APR2024'd**; ELSE If SpecimenCollection\_date >= **'14APR2024'd** and SpecimenCollection\_date <= **'20APR2024'd** then WeekEnd = **'20APR2024'd**;

ELSE If SpecimenCollection\_date >= **'21APR2024'd** and SpecimenCollection\_date <= **'27APR2024'd** then WeekEnd = **'27APR2024'd**; ELSE If SpecimenCollection\_date >= **'28APR2024'd** and SpecimenCollection\_date <= **'04MAY2024'd** then WeekEnd = **'04MAY2024'd**;

ELSE If SpecimenCollection\_date >= **'05MAY2024'd** and SpecimenCollection\_date <= **'11MAY2024'd** then WeekEnd = **'11MAY2024'd**; ELSE If SpecimenCollection\_date >= **'12MAY2024'd** and SpecimenCollection\_date <= **'18MAY2024'd** then WeekEnd = **'18MAY2024'd**;

ELSE If SpecimenCollection\_date >= **'19MAY2024'd** and SpecimenCollection\_date <= **'25MAY2024'd** then WeekEnd = **'25MAY2024'd**; ELSE If SpecimenCollection\_date >= **'26MAY2024'd** and SpecimenCollection\_date <= **'01JUN2024'd** then WeekEnd = **'01JUN2024'd**;

ELSE If SpecimenCollection\_date >= **'02JUN2024'd** and SpecimenCollection\_date <= **'08JUN2024'd** then WeekEnd = **'08JUN2024'd**; ELSE If SpecimenCollection\_date >= **'09JUN2024'd** and SpecimenCollection\_date <= **'15JUN2024'd** then WeekEnd = **'15JUN2024'd**;

ELSE If SpecimenCollection\_date >= **'16JUN2024'd** and SpecimenCollection\_date <= **'22JUN2024'd** then WeekEnd = **'22JUN2024'd**; ELSE If SpecimenCollection\_date >= **'23JUN2024'd** and SpecimenCollection\_date <= **'29JUN2024'd** then WeekEnd = **'29JUN2024'd**;

ELSE If SpecimenCollection\_date >= **'30JUN2024'd** and SpecimenCollection\_date <= **'06JUL2024'd** then WeekEnd = **'06JUL2024'd**; ELSE If SpecimenCollection\_date >= **'07JUL2024'd** and SpecimenCollection\_date <= **'13JUL2024'd** then WeekEnd = **'13JUL2024'd**;

ELSE If SpecimenCollection\_date >= **'14JUL2024'd** and SpecimenCollection\_date <= **'20JUL2024'd** then WeekEnd = **'20JUL2024'd**; ELSE If SpecimenCollection\_date >= **'21JUL2024'd** and SpecimenCollection\_date <= **'27JUL2024'd** then WeekEnd = **'27JUL2024'd**;

ELSE If SpecimenCollection\_date >= **'28JUL2024'd** and SpecimenCollection\_date <= **'03AUG2024'd** then WeekEnd = **'03AUG2024'd**; ELSE If SpecimenCollection\_date >= **'04AUG2024'd** and SpecimenCollection\_date <= **'10AUG2024'd** then WeekEnd = **'10AUG2024'd**;

ELSE If SpecimenCollection\_date >= **'11AUG2024'd** and SpecimenCollection\_date <= **'17AUG2024'd** then WeekEnd = **'17AUG2024'd**; ELSE If SpecimenCollection\_date >= **'18AUG2024'd** and SpecimenCollection\_date <= **'24AUG2024'd** then WeekEnd = **'24AUG2024'd**;

ELSE If SpecimenCollection\_date >= **'25AUG2024'd** and SpecimenCollection\_date <= **'31AUG2024'd** then WeekEnd = **'31AUG2024'd**; ELSE If SpecimenCollection\_date >= **'01SEP2024'd** and SpecimenCollection\_date <= **'07SEP2024'd** then WeekEnd = **'07SEP2024'd**;

ELSE If SpecimenCollection\_date >= **'08SEP2024'd** and SpecimenCollection\_date <= **'14SEP2024'd** then WeekEnd = **'14SEP2024'd**; ELSE If SpecimenCollection\_date >= **'15SEP2024'd** and SpecimenCollection\_date <= **'21SEP2024'd** then WeekEnd = **'21SEP2024'd**;

ELSE If SpecimenCollection\_date >= **'22SEP2024'd** and SpecimenCollection\_date <= **'28SEP2024'd** then WeekEnd = **'28SEP2024'd**; ELSE If SpecimenCollection\_date >= **'29SEP2024'd** and SpecimenCollection\_date <= **'05OCT2024'd** then WeekEnd = **'05OCT2024'd**;

ELSE IF SpecimenCollection\_date >= **'06OCT2024'd** and SpecimenCollection\_date <= **'12OCT2024'd** then WeekEnd = **'12OCT2024'd**; ELSE If SpecimenCollection\_date >= **'13OCT2024'd** and SpecimenCollection\_date <= **'19OCT2024'd** then WeekEnd = **'19OCT2024'd**;

ELSE If SpecimenCollection\_date >= **'20OCT2024'd** and SpecimenCollection\_date <= **'26OCT2024'd** then WeekEnd = **'26OCT2024'd**; ELSE If SpecimenCollection\_date >= **'27OCT2024'd** and SpecimenCollection\_date <= **'02NOV2024'd** then WeekEnd = **'02NOV2024'd**;

ELSE If SpecimenCollection\_date >= **'03NOV2024'd** and SpecimenCollection\_date <= **'09NOV2024'd** then WeekEnd = **'09NOV2024'd**; ELSE If SpecimenCollection\_date >= **'10NOV2024'd** and SpecimenCollection\_date <= **'16NOV2024'd** then WeekEnd = **'16NOV2024'd**;

ELSE If SpecimenCollection\_date >= **'17NOV2024'd** and SpecimenCollection\_date <= **'23NOV2024'd** then WeekEnd = **'23NOV2024'd**; ELSE If SpecimenCollection\_date >= **'24NOV2024'd** and SpecimenCollection\_date <= **'30NOV2024'd** then WeekEnd = **'30NOV2024'd**;

ELSE If SpecimenCollection\_date >= **'01DEC2024'd** and SpecimenCollection\_date <= **'07DEC2024'd** then WeekEnd = **'02DEC2024'd**; ELSE If SpecimenCollection\_date >= **'08DEC2024'd** and SpecimenCollection\_date <= **'14DEC2024'd** then WeekEnd = **'14DEC2024'd**;

ELSE If SpecimenCollection\_date >= **'15DEC2024'd** and SpecimenCollection\_date <= **'21DEC2024'd** then WeekEnd = **'21DEC2024'd**; ELSE If SpecimenCollection\_date >= **'22DEC2024'd** and SpecimenCollection\_date <= **'28DEC2024'd** then WeekEnd = **'28DEC2024'd**;

ELSE If SpecimenCollection\_date >= **'29DEC2024'd** and SpecimenCollection\_date <= **'04JAN2025'd** then WeekEnd = **'04JAN2025'd**; ELSE If SpecimenCollection\_date >= **'05JAN2025'd** and SpecimenCollection\_date <= **'11JAN2025'd** then WeekEnd = **'11JAN2025'd**;

ELSE If SpecimenCollection\_date >= **'12JAN2025'd** and SpecimenCollection\_date <= **'18JAN2025'd** then WeekEnd = **'18JAN2025'd**; ELSE If SpecimenCollection\_date >= **'19JAN2025'd** and SpecimenCollection\_date <= **'25JAN2025'd** then WeekEnd = **'25JAN2025'd**;

ELSE If SpecimenCollection\_date >= **'26JAN2025'd** and SpecimenCollection\_date <= **'01FEB2025'd** then WeekEnd = **'01FEB2025'd**; ELSE If SpecimenCollection\_date >= **'02FEB2025'd** and SpecimenCollection\_date <= **'08FEB2025'd** then WeekEnd = **'08FEB2025'd**;

ELSE If SpecimenCollection\_date >= **'09FEB2025'd** and SpecimenCollection\_date <= **'15FEB2025'd** then WeekEnd = **'15FEB2025'd**; ELSE If SpecimenCollection\_date >= **'16FEB2025'd** and SpecimenCollection\_date <= **'22FEB2025'd** then WeekEnd = **'22FEB2025'd**;

ELSE If SpecimenCollection\_date >= **'23FEB2025'd** and SpecimenCollection\_date <= **'01MAR2025'd** then WeekEnd = **'01MAR2025'd**; ELSE If SpecimenCollection\_date >= **'02MAR2025'd** and SpecimenCollection\_date <= **'08MAR2025'd** then WeekEnd = **'08MAR2025'd**;

ELSE If SpecimenCollection\_date >= **'09MAR2025'd** and SpecimenCollection\_date <= **'15MAR2025'd** then WeekEnd = **'15MAR2025'd**; ELSE If SpecimenCollection\_date >= **'16MAR2025'd** and SpecimenCollection\_date <= **'22MAR2025'd** then WeekEnd = **'22MAR2025'd**;

ELSE If SpecimenCollection\_date >= **'23MAR2025'd** and SpecimenCollection\_date <= **'29MAR2025'd** then WeekEnd = **'29MAR2025'd**; ELSE If SpecimenCollection\_date >= **'30MAR2025'd** and SpecimenCollection\_date <= **'05APR2025'd** then WeekEnd = **'05APR2025'd**;

ELSE If SpecimenCollection\_date >= **'06APR2025'd** and SpecimenCollection\_date <= **'12APR2025'd** then WeekEnd = **'12APR2025'd**; ELSE If SpecimenCollection\_date >= **'13APR2025'd** and SpecimenCollection\_date <= **'19APR2025'd** then WeekEnd = **'19APR2025'd**;

ELSE If SpecimenCollection\_date >= **'20APR2025'd** and SpecimenCollection\_date <= **'26APR2025'd** then WeekEnd = **'26APR2025'd**; ELSE If SpecimenCollection\_date >= **'27APR2025'd** and SpecimenCollection\_date <= **'03MAY2025'd** then WeekEnd = **'03MAY2025'd**;

ELSE If SpecimenCollection\_date >= **'04MAY2025'd** and SpecimenCollection\_date <= **'10MAY2025'd** then WeekEnd = **'10MAY2025'd**; ELSE If SpecimenCollection\_date >= **'11MAY2025'd** and SpecimenCollection\_date <= **'17MAY2025'd** then WeekEnd = **'17MAY2025'd**;

ELSE If SpecimenCollection\_date >= **'18MAY2025'd** and SpecimenCollection\_date <= **'24MAY2025'd** then WeekEnd = **'24MAY2025'd**; ELSE If SpecimenCollection\_date >= **'25MAY2025'd** and SpecimenCollection\_date <= **'31MAY2025'd** then WeekEnd = **'31MAY2025'd**;

ELSE If SpecimenCollection\_date >= **'01JUN2025'd** and SpecimenCollection\_date <= **'07JUN2025'd** then WeekEnd = **'07JUN2025'd**; ELSE If SpecimenCollection\_date >= **'08JUN2025'd** and SpecimenCollection\_date <= **'14JUN2025'd** then WeekEnd = **'14JUN2025'd**;

ELSE If SpecimenCollection\_date >= **'15JUN2025'd** and SpecimenCollection\_date <= **'21JUN2025'd** then WeekEnd = **'21JUN2025'd**; ELSE If SpecimenCollection\_date >= **'22JUN2025'd** and SpecimenCollection\_date <= **'28JUN2025'd** then WeekEnd = **'28JUN2025'd**;

ELSE If SpecimenCollection\_date >= **'29JUN2025'd** and SpecimenCollection\_date <= **'05JUL2025'd** then WeekEnd = **'05JUL2025'd**; ELSE If SpecimenCollection\_date >= **'06JUL2025'd** and SpecimenCollection\_date <= **'12JUL2025'd** then WeekEnd = **'12JUL2025'd**;

ELSE If SpecimenCollection\_date >= **'13JUL2025'd** and SpecimenCollection\_date <= **'19JUL2025'd** then WeekEnd = **'19JUL2025'd**; ELSE If SpecimenCollection\_date >= **'20JUL2025'd** and SpecimenCollection\_date <= **'26JUL2025'd** then WeekEnd = **'26JUL2025'd**;

ELSE If SpecimenCollection\_date >= **'27JUL2024'd** and SpecimenCollection\_date <= **'02AUG2025'd** then WeekEnd = **'02AUG2025'd**; ELSE If SpecimenCollection\_date >= **'03AUG2025'd** and SpecimenCollection\_date <= **'09AUG2025'd** then WeekEnd = **'09AUG2025'd**;

ELSE If SpecimenCollection\_date >= **'10AUG2025'd** and SpecimenCollection\_date <= **'16AUG2025'd** then WeekEnd = **'16AUG2025'd**; ELSE If SpecimenCollection\_date >= **'17AUG2025'd** and SpecimenCollection\_date <= **'23AUG2025'd** then WeekEnd = **'23AUG2025'd**;

ELSE If SpecimenCollection\_date >= **'24AUG2025'd** and SpecimenCollection\_date <= **'30AUG2025'd** then WeekEnd = **'30AUG2025'd**; ELSE If SpecimenCollection\_date >= **'31AUG2025'd** and SpecimenCollection\_date <= **'06SEP2025'd** then WeekEnd = **'06SEP2025'd**;

ELSE If SpecimenCollection\_date >= **'07SEP2025'd** and SpecimenCollection\_date <= **'13SEP2025'd** then WeekEnd = **'13SEP2025'd**; ELSE If SpecimenCollection\_date >= **'14SEP2025'd** and SpecimenCollection\_date <= **'20SEP2025'd** then WeekEnd = **'20SEP2025'd**;

ELSE If SpecimenCollection\_date >= **'21SEP2025'd** and SpecimenCollection\_date <= **'27SEP2025'd** then WeekEnd = **'27SEP2025'd**; ELSE If SpecimenCollection\_date >= **'28SEP2025'd** and SpecimenCollection\_date <= **'04OCT2025'd** then WeekEnd = **'04OCT2025'd**;

ELSE If SpecimenCollection\_date >= **'05OCT2025'd** and SpecimenCollection\_date <= **'11OCT2025'd** then WeekEnd = **'11OCT2025'd**; ELSE If SpecimenCollection\_date >= **'12OCT2025'd** and SpecimenCollection\_date <= **'18OCT2025'd** then WeekEnd = **'18OCT2025'd**;

ELSE If SpecimenCollection\_date >= **'19OCT2025'd** and SpecimenCollection\_date <= **'25OCT2025'd** then WeekEnd = **'25OCT2025'd**; ELSE If SpecimenCollection\_date >= **'26OCT2025'd** and SpecimenCollection\_date <= **'01NOV2025'd** then WeekEnd = **'01NOV2025'd**;

ELSE If SpecimenCollection\_date >= **'02NOV2025'd** and SpecimenCollection\_date <= **'08NOV2025'd** then WeekEnd = **'08NOV2025'd**; ELSE If SpecimenCollection\_date >= **'09NOV2025'd** and SpecimenCollection\_date <= **'15NOV2025'd** then WeekEnd = **'15NOV2025'd**;

ELSE If SpecimenCollection\_date >= **'16NOV2025'd** and SpecimenCollection\_date <= **'22NOV2025'd** then WeekEnd = **'22NOV2025'd**; ELSE If SpecimenCollection\_date >= **'23NOV2025'd** and SpecimenCollection\_date <= **'29NOV2025'd** then WeekEnd = **'29NOV2025'd**;

ELSE If SpecimenCollection\_date >= **'30NOV2025'd** and SpecimenCollection\_date <= **'06DEC2025'd** then WeekEnd = **'06DEC2025'd**; ELSE If SpecimenCollection\_date >= **'07DEC2025'd** and SpecimenCollection\_date <= **'13DEC2025'd** then WeekEnd = **'13DEC2025'd**;

ELSE If SpecimenCollection\_date >= **'14DEC2025'd** and SpecimenCollection\_date <= **'20DEC2025'd** then WeekEnd = **'20DEC2025'd**; ELSE If SpecimenCollection\_date >= **'21DEC2025'd** and SpecimenCollection\_date <= **'27DEC2025'd** then WeekEnd = **'27DEC2025'd**;

ELSE If SpecimenCollection\_date >= **'28DEC2025'd** and SpecimenCollection\_date <= **'03JAN2026'd** then WeekEnd = **'03JAN2026'd**;

IF WeekEnd = **'07JAN2023'd** THEN DO; Weekcode = '2301'; END; ELSE IF WeekEnd = **'14JAN2023'd** THEN DO; Weekcode = '2302'; END; ELSE IF WeekEnd = **'21JAN2023'd** THEN DO; Weekcode = '2303'; END;

ELSE IF WeekEnd = **'28JAN2023'd** THEN DO; Weekcode = '2304'; END; ELSE IF WeekEnd = **'04FEB2023'd** THEN DO; Weekcode = '2305'; END;

ELSE IF WeekEnd = **'11FEB2023'd** THEN DO; Weekcode = '2306'; END; ELSE IF WeekEnd = **'18FEB2023'd** THEN DO; Weekcode = '2307'; END;

ELSE IF WeekEnd = **'25FEB2023'd** THEN DO; Weekcode = '2308'; END; ELSE IF WeekEnd = **'04MAR2023'd** THEN DO; Weekcode = '2309'; END; ELSE IF WeekEnd = **'11MAR2023'd** THEN DO; Weekcode = '2310'; END;

ELSE IF WeekEnd = **'18MAR2023'd** THEN DO; Weekcode = '2311'; END; ELSE IF WeekEnd = **'25MAR2023'd** THEN DO; Weekcode = '2312'; END; ELSE IF WeekEnd = **'01APR2023'd** THEN DO; Weekcode = '2313'; END;

ELSE IF WeekEnd = **'08APR2023'd** THEN DO; Weekcode = '2314'; END; ELSE IF WeekEnd = **'15APR2023'd** THEN DO; Weekcode = '2315'; END; ELSE IF WeekEnd = **'22APR2023'd** THEN DO; Weekcode = '2316'; END;

ELSE IF WeekEnd = **'29APR2023'd** THEN DO; Weekcode = '2317'; END; ELSE IF WeekEnd = **'06MAY2023'd** THEN DO; Weekcode = '2318'; END; ELSE IF WeekEnd = **'13MAY2023'd** THEN DO; Weekcode = '2319'; END;

ELSE IF WeekEnd = **'20MAY2023'd** THEN DO; Weekcode = '2320'; END; ELSE IF WeekEnd = **'27MAY2023'd** THEN DO; Weekcode = '2321'; END; ELSE IF WeekEnd = **'03JUN2023'd** THEN DO; Weekcode = '2322'; END;

ELSE IF WeekEnd = **'10JUN2023'd** THEN DO; Weekcode = '2323'; END; ELSE IF WeekEnd = **'17JUN2023'd** THEN DO; Weekcode = '2324'; END; ELSE IF WeekEnd = **'24JUN2023'd** THEN DO; Weekcode = '2325'; END;

ELSE IF WeekEnd = **'01JUL2023'd** THEN DO; Weekcode = '2326'; END; ELSE IF WeekEnd = **'08JUL2023'd** THEN DO; Weekcode = '2327'; END; ELSE IF WeekEnd = **'15JUL2023'd** THEN DO; Weekcode = '2328'; END;

ELSE IF WeekEnd = **'22JUL2023'd** THEN DO; Weekcode = '2329'; END; ELSE IF WeekEnd = **'29JUL2023'd** THEN DO; Weekcode = '2330'; END; ELSE IF WeekEnd = **'05AUG2023'd** THEN DO; Weekcode = '2331'; END;

ELSE IF WeekEnd = **'12AUG2023'd** THEN DO; Weekcode = '2332'; END; ELSE IF WeekEnd = **'19AUG2023'd** THEN DO; Weekcode = '2333'; END; ELSE IF WeekEnd = **'26AUG2023'd** THEN DO; Weekcode = '2334'; END;

ELSE IF WeekEnd = **'02SEP2023'd** THEN DO; Weekcode = '2335'; END; ELSE IF WeekEnd = **'09SEP2023'd** THEN DO; Weekcode = '2336'; END; ELSE IF WeekEnd = **'16SEP2023'd** THEN DO; Weekcode = '2337'; END;

ELSE IF WeekEnd = **'23SEP2023'd** THEN DO; Weekcode = '2338'; END; ELSE IF WeekEnd = **'30SEP2023'd** THEN DO; Weekcode = '2339'; END; ELSE IF WeekEnd = **'07OCT2023'd** THEN DO; Weekcode = '2340'; END;

ELSE IF WeekEnd = **'14OCT2023'd** THEN DO; Weekcode = '2341'; END; ELSE IF WeekEnd = **'21OCT2023'd** THEN DO; Weekcode = '2342'; END; ELSE IF WeekEnd = **'28OCT2023'd** THEN DO; Weekcode = '2343'; END;

ELSE IF WeekEnd = **'04NOV2023'd** THEN DO; Weekcode = '2344'; END; ELSE IF WeekEnd = **'11NOV2023'd** THEN DO; Weekcode = '2345'; END; ELSE IF WeekEnd = **'18NOV2023'd** THEN DO; Weekcode = '2346'; END;

ELSE IF WeekEnd = **'25NOV2023'd** THEN DO; Weekcode = '2347'; END; ELSE IF WeekEnd = **'02DEC2023'd** THEN DO; Weekcode = '2348'; END; ELSE IF WeekEnd = **'09DEC2023'd** THEN DO; Weekcode = '2349'; END;

ELSE IF WeekEnd = **'16DEC2023'd** THEN DO; Weekcode = '2350'; END; ELSE IF WeekEnd = **'23DEC2023'd** THEN DO; Weekcode = '2351'; END; ELSE IF WeekEnd = **'30DEC2023'd** THEN DO; Weekcode = '2352'; END;

ELSE IF WeekEnd = **'06JAN2024'd** THEN DO; Weekcode = '2401'; END; ELSE IF WeekEnd = **'13JAN2024'd** THEN DO; Weekcode = '2402'; END; ELSE IF WeekEnd = **'20JAN2024'd** THEN DO; Weekcode = '2403'; END;

ELSE IF WeekEnd = **'27JAN2024'd** THEN DO; Weekcode = '2404'; END; ELSE IF WeekEnd = **'03FEB2024'd** THEN DO; Weekcode = '2405'; END; ELSE IF WeekEnd = **'10FEB2024'd** THEN DO; Weekcode = '2406'; END;

ELSE IF WeekEnd = **'17FEB2024'd** THEN DO; Weekcode = '2407'; END; ELSE IF WeekEnd = **'24FEB2024'd** THEN DO; Weekcode = '2408'; END; ELSE IF WeekEnd = **'02MAR2024'd** THEN DO; Weekcode = '2409'; END;

ELSE IF WeekEnd = **'09MAR2024'd** THEN DO; Weekcode = '2410'; END; ELSE IF WeekEnd = **'16MAR2024'd** THEN DO; Weekcode = '2411'; END; ELSE IF WeekEnd = **'23MAR2024'd** THEN DO; Weekcode = '2412'; END;

ELSE IF WeekEnd = **'30MAR2024'd** THEN DO; Weekcode = '2413'; END; ELSE IF WeekEnd = **'06APR2024'd** THEN DO; Weekcode = '2414'; END; ELSE IF WeekEnd = **'13APR2024'd** THEN DO; Weekcode = '2415'; END;

ELSE IF WeekEnd = **'20APR2024'd** THEN DO; Weekcode = '2416'; END; ELSE IF WeekEnd = **'27APR2024'd** THEN DO; Weekcode = '2417'; END; ELSE IF WeekEnd = **'04MAY2024'd** THEN DO; Weekcode = '2418'; END;

ELSE IF WeekEnd = **'11MAY2024'd** THEN DO; Weekcode = '2419'; END; ELSE IF WeekEnd = **'18MAY2024'd** THEN DO; Weekcode = '2420'; END; ELSE IF WeekEnd = **'25MAY2024'd** THEN DO; Weekcode = '2421'; END;

ELSE IF WeekEnd = **'01JUN2024'd** THEN DO; Weekcode = '2422'; END; ELSE IF WeekEnd = **'08JUN2024'd** THEN DO; Weekcode = '2423'; END; ELSE IF WeekEnd = **'15JUN2024'd** THEN DO; Weekcode = '2424'; END;

ELSE IF WeekEnd = **'22JUN2024'd** THEN DO; Weekcode = '2425'; END; ELSE IF WeekEnd = **'29JUN2024'd** THEN DO; Weekcode = '2426'; END; ELSE IF WeekEnd = **'06JUL2024'd** THEN DO; Weekcode = '2427'; END;

ELSE IF WeekEnd = **'13JUL2024'd** THEN DO; Weekcode = '2428'; END; ELSE IF WeekEnd = **'20JUL2024'd** THEN DO; Weekcode = '2429'; END; ELSE IF WeekEnd = **'27JUL2024'd** THEN DO; Weekcode = '2430'; END;

ELSE IF WeekEnd = **'03AUG2024'd** THEN DO; Weekcode = '2431'; END; ELSE IF WeekEnd = **'10AUG2024'd** THEN DO; Weekcode = '2432'; END; ELSE IF WeekEnd = **'17AUG2024'd** THEN DO; Weekcode = '2433'; END;

ELSE IF WeekEnd = **'24AUG2024'd** THEN DO; Weekcode = '2434'; END; ELSE IF WeekEnd = **'31AUG2024'd** THEN DO; Weekcode = '2435'; END; ELSE IF WeekEnd = **'07SEP2024'd** THEN DO; Weekcode = '2436'; END;

ELSE IF WeekEnd = **'14SEP2024'd** THEN DO; Weekcode = '2437'; END; ELSE IF WeekEnd = **'21SEP2024'd** THEN DO; Weekcode = '2438'; END; ELSE IF WeekEnd = **'28SEP2024'd** THEN DO; Weekcode = '2439'; END;

ELSE IF WeekEnd = **'05OCT2024'd** THEN DO; Weekcode = '2440'; END; ELSE IF WeekEnd = **'12OCT2024'd** THEN DO; Weekcode = '2441'; END; ELSE IF WeekEnd = **'19OCT2024'd** THEN DO; Weekcode = '2442'; END;

ELSE IF WeekEnd = **'26OCT2024'd** THEN DO; Weekcode = '2443'; END; ELSE IF WeekEnd = **'02NOV2024'd** THEN DO; Weekcode = '2444'; END; ELSE IF WeekEnd = **'09NOV2024'd** THEN DO; Weekcode = '2445'; END;

ELSE IF WeekEnd = **'16NOV2024'd** THEN DO; Weekcode = '2446'; END; ELSE IF WeekEnd = **'23NOV2024'd** THEN DO; Weekcode = '2447'; END; ELSE IF WeekEnd = **'30NOV2024'd** THEN DO; Weekcode = '2448'; END;

ELSE IF WeekEnd = **'07DEC2024'd** THEN DO; Weekcode = '2449'; END; ELSE IF WeekEnd = **'14DEC2024'd** THEN DO; Weekcode = '2450'; END; ELSE IF WeekEnd = **'21DEC2024'd** THEN DO; Weekcode = '2451'; END;

ELSE IF WeekEnd = **'28DEC2024'd** THEN DO; Weekcode = '2452'; END; ELSE IF WeekEnd = **'04JAN2025'd** THEN DO; Weekcode = '2501'; END; ELSE IF WeekEnd = **'11JAN2025'd** THEN DO; Weekcode = '2502'; END;

ELSE IF WeekEnd = **'18JAN2025'd** THEN DO; Weekcode = '2503'; END; ELSE IF WeekEnd = **'25JAN2025'd** THEN DO; Weekcode = '2504'; END; ELSE IF WeekEnd = **'01FEB2025'd** THEN DO; Weekcode = '2505'; END;

ELSE IF WeekEnd = **'08FEB2025'd** THEN DO; Weekcode = '2506'; END; ELSE IF WeekEnd = **'15FEB2025'd** THEN DO; Weekcode = '2507'; END; ELSE IF WeekEnd = **'22FEB2025'd** THEN DO; Weekcode = '2508'; END;

ELSE IF WeekEnd = **'01MAR2025'd** THEN DO; Weekcode = '2509'; END; ELSE IF WeekEnd = **'08MAR2025'd** THEN DO; Weekcode = '2510'; END; ELSE IF WeekEnd = **'15MAR2025'd** THEN DO; Weekcode = '2511'; END;

ELSE IF WeekEnd = **'22MAR2025'd** THEN DO; Weekcode = '2512'; END; ELSE IF WeekEnd = **'29MAR2025'd** THEN DO; Weekcode = '2513'; END; ELSE IF WeekEnd = **'05APR2025'd** THEN DO; Weekcode = '2514'; END;

ELSE IF WeekEnd = **'12APR2025'd** THEN DO; Weekcode = '2515'; END; ELSE IF WeekEnd = **'19APR2025'd** THEN DO; Weekcode = '2516'; END; ELSE IF WeekEnd = **'26APR2025'd** THEN DO; Weekcode = '2517'; END;

ELSE IF WeekEnd = **'03MAY2025'd** THEN DO; Weekcode = '2518'; END; ELSE IF WeekEnd = **'10MAY2025'd** THEN DO; Weekcode = '2519'; END; ELSE IF WeekEnd = **'17MAY2025'd** THEN DO; Weekcode = '2520'; END;

ELSE IF WeekEnd = **'24MAY2025'd** THEN DO; Weekcode = '2521'; END; ELSE IF WeekEnd = **'31MAY2025'd** THEN DO; Weekcode = '2522'; END; ELSE IF WeekEnd = **'07JUN2025'd** THEN DO; Weekcode = '2523'; END;

ELSE IF WeekEnd = **'14JUN2025'd** THEN DO; Weekcode = '2524'; END; ELSE IF WeekEnd = **'21JUN2025'd** THEN DO; Weekcode = '2525'; END; ELSE IF WeekEnd = **'28JUN2025'd** THEN DO; Weekcode = '2526'; END;

ELSE IF WeekEnd = **'05JUL2025'd** THEN DO; Weekcode = '2527'; END; ELSE IF WeekEnd = **'12JUL2025'd** THEN DO; Weekcode = '2528'; END; ELSE IF WeekEnd = **'19JUL2025'd** THEN DO; Weekcode = '2529'; END;

ELSE IF WeekEnd = **'26JUL2025'd** THEN DO; Weekcode = '2530'; END; ELSE IF WeekEnd = **'02AUG2025'd** THEN DO; Weekcode = '2531'; END; ELSE IF WeekEnd = **'09AUG2025'd** THEN DO; Weekcode = '2532'; END;

ELSE IF WeekEnd = **'16AUG2025'd** THEN DO; Weekcode = '2533'; END; ELSE IF WeekEnd = **'23AUG2025'd** THEN DO; Weekcode = '2534'; END; ELSE IF WeekEnd = **'30AUG2025'd** THEN DO; Weekcode = '2535'; END;

ELSE IF WeekEnd = **'06SEP2025'd** THEN DO; Weekcode = '2536'; END; ELSE IF WeekEnd = **'13SEP2025'd** THEN DO; Weekcode = '2537'; END; ELSE IF WeekEnd = **'20SEP2025'd** THEN DO; Weekcode = '2538'; END;

ELSE IF WeekEnd = **'27SEP2025'd** THEN DO; Weekcode = '2539'; END; ELSE IF WeekEnd = **'04OCT2025'd** THEN DO; Weekcode = '2540'; END; ELSE IF WeekEnd = **'11OCT2025'd** THEN DO; Weekcode = '2541'; END;

ELSE IF WeekEnd = **'18OCT2025'd** THEN DO; Weekcode = '2542'; END; ELSE IF WeekEnd = **'25OCT2025'd** THEN DO; Weekcode = '2543'; END; ELSE IF WeekEnd = **'01NOV2025'd** THEN DO; Weekcode = '2544'; END;

ELSE IF WeekEnd = **'08NOV2025'd** THEN DO; Weekcode = '2545'; END; ELSE IF WeekEnd = **'15NOV2025'd** THEN DO; Weekcode = '2546'; END; ELSE IF WeekEnd = **'22NOV2025'd** THEN DO; Weekcode = '2547'; END;

ELSE IF WeekEnd = **'29NOV2025'd** THEN DO; Weekcode = '2548'; END; ELSE IF WeekEnd = **'06DEC2025'd** THEN DO; Weekcode = '2549'; END; ELSE IF WeekEnd = **'13DEC2025'd** THEN DO; Weekcode = '2550'; END;

ELSE IF WeekEnd = **'20DEC2025'd** THEN DO; Weekcode = '2551'; END; ELSE IF WeekEnd = **'27DEC2025'd** THEN DO; Weekcode = '2552'; END; ELSE IF WeekEnd = **'03JAN2026'd** THEN DO; Weekcode = '2553'; END;

FORMAT weekend date9.; drop SpecimenCollectionDate SpecimenCollection\_Date WeekEnd;

RUN;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\*[Disease] Parsing\*/

/\*Disease Type 1-4\*/

%if &disease=[Disease] %then %do;

%do i=**1** %to **4**;

data &&disease.&i.\_data;

set [Project];

where prxmatch("/Disease&i|Disease&i./i",LabTest);

run;

%end;

%end;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\*[Disease] Parsing\*/

%else %if &disease=[Disease] %then %do;

data [Disease]1\_data

[Disease]2\_data

[Disease]3\_data;

set [Project];

if prxmatch("/[Disease]| [Disease]/i",LabTest) then output [Disease]1\_data;

else if prxmatch("/[Disease]| [Disease]/i",LabTest) then output [Disease]2\_data;

else if prxmatch("/[Disease]| [Disease]| [Disease]| [Disease]| [Disease]| [Disease]/i",LabTest) then output [Disease]3\_data;

run;

%end;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\*FLUB Parsing\*/

%else %if &disease=[Disease] %then %do;

data &disease.\_data;

set [Project];

where prxmatch("/&disease|[Disease]| [Disease]/i",LabTest);

run;

%end;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\*RSV Parsing\*/

%else %if &disease=[Disease] %then %do;

data &disease.\_data;

set [Project];

where prxmatch("/&disease|[Disease]/i",LabTest);

run;

%end;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\*Rhinovirus Parsing\*/

%else %if &disease=[Disease] %then %do;

data &disease.\_data;

set [Disease];

where prxmatch("/&disease|[disease] /i",LabTest);

run;

%end;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\*Adenovirus Parsing\*/

%else %if &disease=[Disease] %then %do;

data &disease.\_data;

set [Project];

where prxmatch("/&disease|[Disease] /i",LabTest);

run;

%end;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\*Covid Parsing\*/

%else %if &disease=[Disease] %then %do;

data &[Disease].1\_data;

set [Project];

where prxmatch("/&[Disease].1|[ExpandedNameDisease].1/i",LabTest);

run;

data &[Disease].2\_data;

set [Project];

where prxmatch("/&[Disease].1|[ExpandedNameDisease].1/i",LabTest);

run;

data &[Disease].3\_data;

set [Project];;

where prxmatch("/&[Disease].1|[ExpandedNameDisease].1/i",LabTest);

run;

data &[Disease].4\_data;

set [Project];

where

prxmatch("/&[Disease].1|[ExpandedNameDisease].1/i",LabTest);

run;

/\* The code below this is for the [Disease] data that comes from BigQuery\*/

/\* Step 1 - Connect to [Database] and create the [Project]\_data\_[Disease] table \*/

proc sql;

connect to odbc as temp (datasrc='[Private Database]');

create table [Project]\_data\_[Disease] as

select \*

from connection to temp

(

SELECT

id

orderedtestcode,

orderedtestdescription,

reportingfacilityid,

reportingfacilityname,

specimencollectiondatetime,

testinglabname,

testperformedcode,

testperformeddescription,

testresultdescription,

testresultfreetext

FROM [Dataset].testresults\_view

WHERE reportingfacilityid IN (

'[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, ‘[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’,'[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, ‘[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’

)

AND orderedtestcode IN (

'[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, ‘[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’, '[ID\_number]’,'[ID\_number]’,

)

AND specimencollectiondatetime > '2024-05-01 00:00:00'

);

disconnect from temp;

quit;

/\*Create a format for the type of test performed to differentiate them later\*/

proc format;

value PCRvsAnt

**0** = "Antigen Test"

**1** = "PCR Test"

;

run;

/\* Take a glimpse at the descriptions of the test performed\*/

proc sql noprint;

select distinct testperformeddescription

from [Project]\_data\_[Disease];

quit;

/\*Create a table with the same 4 columns as the other [Project] data + a 5th column to help determine if the result is [Disease] Related. You will drop this 5th variable later when you get these results appropriately sorted into their respective bins.\*/

proc sql;

create table [Project]\_data\_[Disease]1 as

select reportingfacilityname as SendingFacName, compress(orderedtestdescription) as LabTest, compress(testresultdescription) as CodeDesc, specimencollectiondatetime as SpecimenCollectionDate, compress(testperformeddescription) as TestPathogen

from [Project]\_data\_[Disease];

quit;

/\* Deleting the results that do not have pathogen specific results in them because they cannot be place in any of the disease bins.\*/

data [Project]\_data\_[Disease]1;

set [Project]\_data\_[Disease]1;

if prxmatch("/’[Disease]’/i", TestPathogen) then delete;

run;

/\* Checking to make sure these results all are [Disease] specific or have a pathogen associated with them.\*/

proc sql noprint;

select distinct TestPathogen

from [Project]\_data\_[Disease]1;

quit;

/\*Creating the test variable here to differentiate between PCR tests and Antigen tests.\*/

data [Project]\_data\_[Disease]1;

set [Project]\_data\_[Disease]1;

if prxmatch("/Ag/i",LabTest) then do;

Test=**0**; end;

else do; Test=**1**;

end;

format Test pcrvsant.;

run;

data [Disease]\_&disease.\_data;

set [Project]\_data\_[Disease]1;

run;

/\*Apply [Author 2’s] Code here for [Disease] Data\*/

data [Disease]\_&disease.\_data;

set [Disease]\_&disease.\_data;

SpecimenCollection\_date = datepart(SpecimenCollectionDate);

format SpecimenCollection\_date date9.;

run;

Data [Disease]\_&disease.\_data;

set [Disease]\_&disease.\_data;

If SpecimenCollection\_date >=**'01SEP2023'd** and SpecimenCollection\_date <=**'02SEP2023'd** then WeekEnd = **'02SEP2023'd**; ELSE If SpecimenCollection\_date >=**'03SEP2023'd** and SpecimenCollection\_date <=**'09SEP2023'd** then WeekEnd = **'09SEP2023'd**;

ELSE If SpecimenCollection\_date >= **'10SEP2023'd** and SpecimenCollection\_date <= **'16SEP2023'd** then WeekEnd = **'16SEP2023'd**; ELSE If SpecimenCollection\_date >= **'17SEP2023'd** and SpecimenCollection\_date <= **'23SEP2023'd** then WeekEnd = **'23SEP2023'd**;

ELSE If SpecimenCollection\_date >= **'24SEP2023'd** and SpecimenCollection\_date <= **'30SEP2023'd** then WeekEnd = **'30SEP2023'd**; ELSE If SpecimenCollection\_date >= **'01OCT2023'd** and SpecimenCollection\_date <= **'07OCT2023'd** then WeekEnd = **'07OCT2023'd**;

ELSE If SpecimenCollection\_date >= **'08OCT2023'd** and SpecimenCollection\_date <= **'14OCT2023'd** then WeekEnd = **'14OCT2023'd**; ELSE If SpecimenCollection\_date >= **'15OCT2023'd** and SpecimenCollection\_date <= **'21OCT2023'd** then WeekEnd = **'21OCT2023'd**;

ELSE If SpecimenCollection\_date >= **'22OCT2023'd** and SpecimenCollection\_date <= **'28OCT2023'd** then WeekEnd = **'28OCT2023'd**; ELSE If SpecimenCollection\_date >= **'29OCT2023'd** and SpecimenCollection\_date <= **'04NOV2023'd** then WeekEnd = **'04NOV2023'd**;

ELSE If SpecimenCollection\_date >= **'05NOV2023'd** and SpecimenCollection\_date <= **'11NOV2023'd** then WeekEnd = **'11NOV2023'd**; ELSE If SpecimenCollection\_date >= **'12NOV2023'd** and SpecimenCollection\_date <= **'18NOV2023'd** then WeekEnd = **'18NOV2023'd**;

ELSE If SpecimenCollection\_date >= **'19NOV2023'd** and SpecimenCollection\_date <= **'25NOV2023'd** then WeekEnd = **'25NOV2023'd**; ELSE If SpecimenCollection\_date >= **'26NOV2023'd** and SpecimenCollection\_date <= **'02DEC2023'd** then WeekEnd = **'02DEC2023'd**;

ELSE If SpecimenCollection\_date >= **'03DEC2023'd** and SpecimenCollection\_date <= **'09DEC2023'd** then WeekEnd = **'09DEC2023'd**; ELSE If SpecimenCollection\_date >= **'10DEC2023'd** and SpecimenCollection\_date <= **'16DEC2023'd** then WeekEnd = **'16DEC2023'd**;

ELSE If SpecimenCollection\_date >= **'17DEC2023'd** and SpecimenCollection\_date <= **'23DEC2023'd** then WeekEnd = **'23DEC2023'd**; ELSE If SpecimenCollection\_date >= **'24DEC2023'd** and SpecimenCollection\_date <= **'30DEC2023'd** then WeekEnd = **'30DEC2023'd**;

ELSE If SpecimenCollection\_date >= **'31DEC2023'd** and SpecimenCollection\_date <= **'06JAN2024'd** then WeekEnd = **'06JAN2024'd**; ELSE If SpecimenCollection\_date >= **'07JAN2024'd** and SpecimenCollection\_date <= **'13JAN2024'd** then WeekEnd = **'13JAN2024'd**;

ELSE If SpecimenCollection\_date >= **'14JAN2024'd** and SpecimenCollection\_date <= **'20JAN2024'd** then WeekEnd = **'20JAN2024'd**; ELSE If SpecimenCollection\_date >= **'21JAN2024'd** and SpecimenCollection\_date <= **'27JAN2024'd** then WeekEnd = **'27JAN2024'd**;

ELSE If SpecimenCollection\_date >= **'28JAN2024'd** and SpecimenCollection\_date <= **'03FEB2024'd** then WeekEnd = **'03FEB2024'd**; ELSE If SpecimenCollection\_date >= **'04FEB2024'd** and SpecimenCollection\_date <= **'10FEB2024'd** then WeekEnd = **'10FEB2024'd**;

ELSE If SpecimenCollection\_date >= **'11FEB2024'd** and SpecimenCollection\_date <= **'17FEB2024'd** then WeekEnd = **'17FEB2024'd**; ELSE If SpecimenCollection\_date >= **'18FEB2024'd** and SpecimenCollection\_date <= **'24FEB2024'd** then WeekEnd = **'24FEB2024'd**;

ELSE If SpecimenCollection\_date >= **'25FEB2024'd** and SpecimenCollection\_date <= **'02MAR2024'd** then WeekEnd = **'02MAR2024'd**; ELSE If SpecimenCollection\_date >= **'03MAR2024'd** and SpecimenCollection\_date <= **'09MAR2024'd** then WeekEnd = **'09MAR2024'd**;

ELSE If SpecimenCollection\_date >= **'10MAR2024'd** and SpecimenCollection\_date <= **'16MAR2024'd** then WeekEnd = **'16MAR2024'd**; ELSE If SpecimenCollection\_date >= **'17MAR2024'd** and SpecimenCollection\_date <= **'23MAR2024'd** then WeekEnd = **'23MAR2024'd**;

ELSE If SpecimenCollection\_date >= **'24MAR2024'd** and SpecimenCollection\_date <= **'30MAR2024'd** then WeekEnd = **'30MAR2024'd**; ELSE If SpecimenCollection\_date >= **'31MAR2024'd** and SpecimenCollection\_date <= **'06APR2024'd** then WeekEnd = **'06APR2024'd**;

ELSE If SpecimenCollection\_date >= **'07APR2024'd** and SpecimenCollection\_date <= **'13APR2024'd** then WeekEnd = **'13APR2024'd**; ELSE If SpecimenCollection\_date >= **'14APR2024'd** and SpecimenCollection\_date <= **'20APR2024'd** then WeekEnd = **'20APR2024'd**;

ELSE If SpecimenCollection\_date >= **'21APR2024'd** and SpecimenCollection\_date <= **'27APR2024'd** then WeekEnd = **'27APR2024'd**; ELSE If SpecimenCollection\_date >= **'28APR2024'd** and SpecimenCollection\_date <= **'04MAY2024'd** then WeekEnd = **'04MAY2024'd**;

ELSE If SpecimenCollection\_date >= **'05MAY2024'd** and SpecimenCollection\_date <= **'11MAY2024'd** then WeekEnd = **'11MAY2024'd**; ELSE If SpecimenCollection\_date >= **'12MAY2024'd** and SpecimenCollection\_date <= **'18MAY2024'd** then WeekEnd = **'18MAY2024'd**;

ELSE If SpecimenCollection\_date >= **'19MAY2024'd** and SpecimenCollection\_date <= **'25MAY2024'd** then WeekEnd = **'25MAY2024'd**; ELSE If SpecimenCollection\_date >= **'26MAY2024'd** and SpecimenCollection\_date <= **'01JUN2024'd** then WeekEnd = **'01JUN2024'd**;

ELSE If SpecimenCollection\_date >= **'02JUN2024'd** and SpecimenCollection\_date <= **'08JUN2024'd** then WeekEnd = **'08JUN2024'd**; ELSE If SpecimenCollection\_date >= **'09JUN2024'd** and SpecimenCollection\_date <= **'15JUN2024'd** then WeekEnd = **'15JUN2024'd**;

ELSE If SpecimenCollection\_date >= **'16JUN2024'd** and SpecimenCollection\_date <= **'22JUN2024'd** then WeekEnd = **'22JUN2024'd**; ELSE If SpecimenCollection\_date >= **'23JUN2024'd** and SpecimenCollection\_date <= **'29JUN2024'd** then WeekEnd = **'29JUN2024'd**;

ELSE If SpecimenCollection\_date >= **'30JUN2024'd** and SpecimenCollection\_date <= **'06JUL2024'd** then WeekEnd = **'06JUL2024'd**; ELSE If SpecimenCollection\_date >= **'07JUL2024'd** and SpecimenCollection\_date <= **'13JUL2024'd** then WeekEnd = **'13JUL2024'd**;

ELSE If SpecimenCollection\_date >= **'14JUL2024'd** and SpecimenCollection\_date <= **'20JUL2024'd** then WeekEnd = **'20JUL2024'd**; ELSE If SpecimenCollection\_date >= **'21JUL2024'd** and SpecimenCollection\_date <= **'27JUL2024'd** then WeekEnd = **'27JUL2024'd**;

ELSE If SpecimenCollection\_date >= **'28JUL2024'd** and SpecimenCollection\_date <= **'03AUG2024'd** then WeekEnd = **'03AUG2024'd**; ELSE If SpecimenCollection\_date >= **'04AUG2024'd** and SpecimenCollection\_date <= **'10AUG2024'd** then WeekEnd = **'10AUG2024'd**;

ELSE If SpecimenCollection\_date >= **'11AUG2024'd** and SpecimenCollection\_date <= **'17AUG2024'd** then WeekEnd = **'17AUG2024'd**; ELSE If SpecimenCollection\_date >= **'18AUG2024'd** and SpecimenCollection\_date <= **'24AUG2024'd** then WeekEnd = **'24AUG2024'd**;

ELSE If SpecimenCollection\_date >= **'25AUG2024'd** and SpecimenCollection\_date <= **'31AUG2024'd** then WeekEnd = **'31AUG2024'd**; ELSE If SpecimenCollection\_date >= **'01SEP2024'd** and SpecimenCollection\_date <= **'07SEP2024'd** then WeekEnd = **'07SEP2024'd**;

ELSE If SpecimenCollection\_date >= **'08SEP2024'd** and SpecimenCollection\_date <= **'14SEP2024'd** then WeekEnd = **'14SEP2024'd**; ELSE If SpecimenCollection\_date >= **'15SEP2024'd** and SpecimenCollection\_date <= **'21SEP2024'd** then WeekEnd = **'21SEP2024'd**;

ELSE If SpecimenCollection\_date >= **'22SEP2024'd** and SpecimenCollection\_date <= **'28SEP2024'd** then WeekEnd = **'28SEP2024'd**; ELSE If SpecimenCollection\_date >= **'29SEP2024'd** and SpecimenCollection\_date <= **'05OCT2024'd** then WeekEnd = **'05OCT2024'd**;

ELSE IF SpecimenCollection\_date >= **'06OCT2024'd** and SpecimenCollection\_date <= **'12OCT2024'd** then WeekEnd = **'12OCT2024'd**; ELSE If SpecimenCollection\_date >= **'13OCT2024'd** and SpecimenCollection\_date <= **'19OCT2024'd** then WeekEnd = **'19OCT2024'd**;

ELSE If SpecimenCollection\_date >= **'20OCT2024'd** and SpecimenCollection\_date <= **'26OCT2024'd** then WeekEnd = **'26OCT2024'd**; ELSE If SpecimenCollection\_date >= **'27OCT2024'd** and SpecimenCollection\_date <= **'02NOV2024'd** then WeekEnd = **'02NOV2024'd**;

ELSE If SpecimenCollection\_date >= **'03NOV2024'd** and SpecimenCollection\_date <= **'09NOV2024'd** then WeekEnd = **'09NOV2024'd**; ELSE If SpecimenCollection\_date >= **'10NOV2024'd** and SpecimenCollection\_date <= **'16NOV2024'd** then WeekEnd = **'16NOV2024'd**;

ELSE If SpecimenCollection\_date >= **'17NOV2024'd** and SpecimenCollection\_date <= **'23NOV2024'd** then WeekEnd = **'23NOV2024'd**; ELSE If SpecimenCollection\_date >= **'24NOV2024'd** and SpecimenCollection\_date <= **'30NOV2024'd** then WeekEnd = **'30NOV2024'd**;

ELSE If SpecimenCollection\_date >= **'01DEC2024'd** and SpecimenCollection\_date <= **'07DEC2024'd** then WeekEnd = **'02DEC2024'd**; ELSE If SpecimenCollection\_date >= **'08DEC2024'd** and SpecimenCollection\_date <= **'14DEC2024'd** then WeekEnd = **'14DEC2024'd**;

ELSE If SpecimenCollection\_date >= **'15DEC2024'd** and SpecimenCollection\_date <= **'21DEC2024'd** then WeekEnd = **'21DEC2024'd**; ELSE If SpecimenCollection\_date >= **'22DEC2024'd** and SpecimenCollection\_date <= **'28DEC2024'd** then WeekEnd = **'28DEC2024'd**;

ELSE If SpecimenCollection\_date >= **'29DEC2024'd** and SpecimenCollection\_date <= **'04JAN2025'd** then WeekEnd = **'04JAN2025'd**; ELSE If SpecimenCollection\_date >= **'05JAN2025'd** and SpecimenCollection\_date <= **'11JAN2025'd** then WeekEnd = **'11JAN2025'd**;

ELSE If SpecimenCollection\_date >= **'12JAN2025'd** and SpecimenCollection\_date <= **'18JAN2025'd** then WeekEnd = **'18JAN2025'd**; ELSE If SpecimenCollection\_date >= **'19JAN2025'd** and SpecimenCollection\_date <= **'25JAN2025'd** then WeekEnd = **'25JAN2025'd**;

ELSE If SpecimenCollection\_date >= **'26JAN2025'd** and SpecimenCollection\_date <= **'01FEB2025'd** then WeekEnd = **'01FEB2025'd**; ELSE If SpecimenCollection\_date >= **'02FEB2025'd** and SpecimenCollection\_date <= **'08FEB2025'd** then WeekEnd = **'08FEB2025'd**;

ELSE If SpecimenCollection\_date >= **'09FEB2025'd** and SpecimenCollection\_date <= **'15FEB2025'd** then WeekEnd = **'15FEB2025'd**; ELSE If SpecimenCollection\_date >= **'16FEB2025'd** and SpecimenCollection\_date <= **'22FEB2025'd** then WeekEnd = **'22FEB2025'd**;

ELSE If SpecimenCollection\_date >= **'23FEB2025'd** and SpecimenCollection\_date <= **'01MAR2025'd** then WeekEnd = **'01MAR2025'd**; ELSE If SpecimenCollection\_date >= **'02MAR2025'd** and SpecimenCollection\_date <= **'08MAR2025'd** then WeekEnd = **'08MAR2025'd**;

ELSE If SpecimenCollection\_date >= **'09MAR2025'd** and SpecimenCollection\_date <= **'15MAR2025'd** then WeekEnd = **'15MAR2025'd**; ELSE If SpecimenCollection\_date >= **'16MAR2025'd** and SpecimenCollection\_date <= **'22MAR2025'd** then WeekEnd = **'22MAR2025'd**;

ELSE If SpecimenCollection\_date >= **'23MAR2025'd** and SpecimenCollection\_date <= **'29MAR2025'd** then WeekEnd = **'29MAR2025'd**; ELSE If SpecimenCollection\_date >= **'30MAR2025'd** and SpecimenCollection\_date <= **'05APR2025'd** then WeekEnd = **'05APR2025'd**;

ELSE If SpecimenCollection\_date >= **'06APR2025'd** and SpecimenCollection\_date <= **'12APR2025'd** then WeekEnd = **'12APR2025'd**; ELSE If SpecimenCollection\_date >= **'13APR2025'd** and SpecimenCollection\_date <= **'19APR2025'd** then WeekEnd = **'19APR2025'd**;

ELSE If SpecimenCollection\_date >= **'20APR2025'd** and SpecimenCollection\_date <= **'26APR2025'd** then WeekEnd = **'26APR2025'd**; ELSE If SpecimenCollection\_date >= **'27APR2025'd** and SpecimenCollection\_date <= **'03MAY2025'd** then WeekEnd = **'03MAY2025'd**;

ELSE If SpecimenCollection\_date >= **'04MAY2025'd** and SpecimenCollection\_date <= **'10MAY2025'd** then WeekEnd = **'10MAY2025'd**; ELSE If SpecimenCollection\_date >= **'11MAY2025'd** and SpecimenCollection\_date <= **'17MAY2025'd** then WeekEnd = **'17MAY2025'd**;

ELSE If SpecimenCollection\_date >= **'18MAY2025'd** and SpecimenCollection\_date <= **'24MAY2025'd** then WeekEnd = **'24MAY2025'd**; ELSE If SpecimenCollection\_date >= **'25MAY2025'd** and SpecimenCollection\_date <= **'31MAY2025'd** then WeekEnd = **'31MAY2025'd**;

ELSE If SpecimenCollection\_date >= **'01JUN2025'd** and SpecimenCollection\_date <= **'07JUN2025'd** then WeekEnd = **'07JUN2025'd**; ELSE If SpecimenCollection\_date >= **'08JUN2025'd** and SpecimenCollection\_date <= **'14JUN2025'd** then WeekEnd = **'14JUN2025'd**;

ELSE If SpecimenCollection\_date >= **'15JUN2025'd** and SpecimenCollection\_date <= **'21JUN2025'd** then WeekEnd = **'21JUN2025'd**; ELSE If SpecimenCollection\_date >= **'22JUN2025'd** and SpecimenCollection\_date <= **'28JUN2025'd** then WeekEnd = **'28JUN2025'd**;

ELSE If SpecimenCollection\_date >= **'29JUN2025'd** and SpecimenCollection\_date <= **'05JUL2025'd** then WeekEnd = **'05JUL2025'd**; ELSE If SpecimenCollection\_date >= **'06JUL2025'd** and SpecimenCollection\_date <= **'12JUL2025'd** then WeekEnd = **'12JUL2025'd**;

ELSE If SpecimenCollection\_date >= **'13JUL2025'd** and SpecimenCollection\_date <= **'19JUL2025'd** then WeekEnd = **'19JUL2025'd**; ELSE If SpecimenCollection\_date >= **'20JUL2025'd** and SpecimenCollection\_date <= **'26JUL2025'd** then WeekEnd = **'26JUL2025'd**;

ELSE If SpecimenCollection\_date >= **'27JUL2024'd** and SpecimenCollection\_date <= **'02AUG2025'd** then WeekEnd = **'02AUG2025'd**; ELSE If SpecimenCollection\_date >= **'03AUG2025'd** and SpecimenCollection\_date <= **'09AUG2025'd** then WeekEnd = **'09AUG2025'd**;

ELSE If SpecimenCollection\_date >= **'10AUG2025'd** and SpecimenCollection\_date <= **'16AUG2025'd** then WeekEnd = **'16AUG2025'd**; ELSE If SpecimenCollection\_date >= **'17AUG2025'd** and SpecimenCollection\_date <= **'23AUG2025'd** then WeekEnd = **'23AUG2025'd**;

ELSE If SpecimenCollection\_date >= **'24AUG2025'd** and SpecimenCollection\_date <= **'30AUG2025'd** then WeekEnd = **'30AUG2025'd**; ELSE If SpecimenCollection\_date >= **'31AUG2025'd** and SpecimenCollection\_date <= **'06SEP2025'd** then WeekEnd = **'06SEP2025'd**;

ELSE If SpecimenCollection\_date >= **'07SEP2025'd** and SpecimenCollection\_date <= **'13SEP2025'd** then WeekEnd = **'13SEP2025'd**; ELSE If SpecimenCollection\_date >= **'14SEP2025'd** and SpecimenCollection\_date <= **'20SEP2025'd** then WeekEnd = **'20SEP2025'd**;

ELSE If SpecimenCollection\_date >= **'21SEP2025'd** and SpecimenCollection\_date <= **'27SEP2025'd** then WeekEnd = **'27SEP2025'd**; ELSE If SpecimenCollection\_date >= **'28SEP2025'd** and SpecimenCollection\_date <= **'04OCT2025'd** then WeekEnd = **'04OCT2025'd**;

ELSE If SpecimenCollection\_date >= **'05OCT2025'd** and SpecimenCollection\_date <= **'11OCT2025'd** then WeekEnd = **'11OCT2025'd**; ELSE If SpecimenCollection\_date >= **'12OCT2025'd** and SpecimenCollection\_date <= **'18OCT2025'd** then WeekEnd = **'18OCT2025'd**;

ELSE If SpecimenCollection\_date >= **'19OCT2025'd** and SpecimenCollection\_date <= **'25OCT2025'd** then WeekEnd = **'25OCT2025'd**; ELSE If SpecimenCollection\_date >= **'26OCT2025'd** and SpecimenCollection\_date <= **'01NOV2025'd** then WeekEnd = **'01NOV2025'd**;

ELSE If SpecimenCollection\_date >= **'02NOV2025'd** and SpecimenCollection\_date <= **'08NOV2025'd** then WeekEnd = **'08NOV2025'd**; ELSE If SpecimenCollection\_date >= **'09NOV2025'd** and SpecimenCollection\_date <= **'15NOV2025'd** then WeekEnd = **'15NOV2025'd**;

ELSE If SpecimenCollection\_date >= **'16NOV2025'd** and SpecimenCollection\_date <= **'22NOV2025'd** then WeekEnd = **'22NOV2025'd**; ELSE If SpecimenCollection\_date >= **'23NOV2025'd** and SpecimenCollection\_date <= **'29NOV2025'd** then WeekEnd = **'29NOV2025'd**;

ELSE If SpecimenCollection\_date >= **'30NOV2025'd** and SpecimenCollection\_date <= **'06DEC2025'd** then WeekEnd = **'06DEC2025'd**; ELSE If SpecimenCollection\_date >= **'07DEC2025'd** and SpecimenCollection\_date <= **'13DEC2025'd** then WeekEnd = **'13DEC2025'd**;

ELSE If SpecimenCollection\_date >= **'14DEC2025'd** and SpecimenCollection\_date <= **'20DEC2025'd** then WeekEnd = **'20DEC2025'd**; ELSE If SpecimenCollection\_date >= **'21DEC2025'd** and SpecimenCollection\_date <= **'27DEC2025'd** then WeekEnd = **'27DEC2025'd**;

ELSE If SpecimenCollection\_date >= **'28DEC2025'd** and SpecimenCollection\_date <= **'03JAN2026'd** then WeekEnd = **'03JAN2026'd**;

IF WeekEnd = **'07JAN2023'd** THEN DO; Weekcode = '2301'; END; ELSE IF WeekEnd = **'14JAN2023'd** THEN DO; Weekcode = '2302'; END; ELSE IF WeekEnd = **'21JAN2023'd** THEN DO; Weekcode = '2303'; END;

ELSE IF WeekEnd = **'28JAN2023'd** THEN DO; Weekcode = '2304'; END; ELSE IF WeekEnd = **'04FEB2023'd** THEN DO; Weekcode = '2305'; END; ELSE IF WeekEnd = **'11FEB2023'd** THEN DO; Weekcode = '2306'; END;

ELSE IF WeekEnd = **'18FEB2023'd** THEN DO; Weekcode = '2307'; END; ELSE IF WeekEnd = **'25FEB2023'd** THEN DO; Weekcode = '2308'; END; ELSE IF WeekEnd = **'04MAR2023'd** THEN DO; Weekcode = '2309'; END;

ELSE IF WeekEnd = **'11MAR2023'd** THEN DO; Weekcode = '2310'; END; ELSE IF WeekEnd = **'18MAR2023'd** THEN DO; Weekcode = '2311'; END; ELSE IF WeekEnd = **'25MAR2023'd** THEN DO; Weekcode = '2312'; END;

ELSE IF WeekEnd = **'01APR2023'd** THEN DO; Weekcode = '2313'; END; ELSE IF WeekEnd = **'08APR2023'd** THEN DO; Weekcode = '2314'; END; ELSE IF WeekEnd = **'15APR2023'd** THEN DO; Weekcode = '2315'; END;

ELSE IF WeekEnd = **'22APR2023'd** THEN DO; Weekcode = '2316'; END; ELSE IF WeekEnd = **'29APR2023'd** THEN DO; Weekcode = '2317'; END; ELSE IF WeekEnd = **'06MAY2023'd** THEN DO; Weekcode = '2318'; END;

ELSE IF WeekEnd = **'13MAY2023'd** THEN DO; Weekcode = '2319'; END; ELSE IF WeekEnd = **'20MAY2023'd** THEN DO; Weekcode = '2320'; END; ELSE IF WeekEnd = **'27MAY2023'd** THEN DO; Weekcode = '2321'; END;

ELSE IF WeekEnd = **'03JUN2023'd** THEN DO; Weekcode = '2322'; END; ELSE IF WeekEnd = **'10JUN2023'd** THEN DO; Weekcode = '2323'; END; ELSE IF WeekEnd = **'17JUN2023'd** THEN DO; Weekcode = '2324'; END;

ELSE IF WeekEnd = **'24JUN2023'd** THEN DO; Weekcode = '2325'; END; ELSE IF WeekEnd = **'01JUL2023'd** THEN DO; Weekcode = '2326'; END; ELSE IF WeekEnd = **'08JUL2023'd** THEN DO; Weekcode = '2327'; END;

ELSE IF WeekEnd = **'15JUL2023'd** THEN DO; Weekcode = '2328'; END; ELSE IF WeekEnd = **'22JUL2023'd** THEN DO; Weekcode = '2329'; END; ELSE IF WeekEnd = **'29JUL2023'd** THEN DO; Weekcode = '2330'; END;

ELSE IF WeekEnd = **'05AUG2023'd** THEN DO; Weekcode = '2331'; END; ELSE IF WeekEnd = **'12AUG2023'd** THEN DO; Weekcode = '2332'; END; ELSE IF WeekEnd = **'19AUG2023'd** THEN DO; Weekcode = '2333'; END;

ELSE IF WeekEnd = **'26AUG2023'd** THEN DO; Weekcode = '2334'; END; ELSE IF WeekEnd = **'02SEP2023'd** THEN DO; Weekcode = '2335'; END; ELSE IF WeekEnd = **'09SEP2023'd** THEN DO; Weekcode = '2336'; END;

ELSE IF WeekEnd = **'16SEP2023'd** THEN DO; Weekcode = '2337'; END; ELSE IF WeekEnd = **'23SEP2023'd** THEN DO; Weekcode = '2338'; END; ELSE IF WeekEnd = **'30SEP2023'd** THEN DO; Weekcode = '2339'; END;

ELSE IF WeekEnd = **'07OCT2023'd** THEN DO; Weekcode = '2340'; END; ELSE IF WeekEnd = **'14OCT2023'd** THEN DO; Weekcode = '2341'; END; ELSE IF WeekEnd = **'21OCT2023'd** THEN DO; Weekcode = '2342'; END;

ELSE IF WeekEnd = **'28OCT2023'd** THEN DO; Weekcode = '2343'; END; ELSE IF WeekEnd = **'04NOV2023'd** THEN DO; Weekcode = '2344'; END; ELSE IF WeekEnd = **'11NOV2023'd** THEN DO; Weekcode = '2345'; END;

ELSE IF WeekEnd = **'18NOV2023'd** THEN DO; Weekcode = '2346'; END; ELSE IF WeekEnd = **'25NOV2023'd** THEN DO; Weekcode = '2347'; END; ELSE IF WeekEnd = **'02DEC2023'd** THEN DO; Weekcode = '2348'; END;

ELSE IF WeekEnd = **'09DEC2023'd** THEN DO; Weekcode = '2349'; END; ELSE IF WeekEnd = **'16DEC2023'd** THEN DO; Weekcode = '2350'; END; ELSE IF WeekEnd = **'23DEC2023'd** THEN DO; Weekcode = '2351'; END;

ELSE IF WeekEnd = **'30DEC2023'd** THEN DO; Weekcode = '2352'; END; ELSE IF WeekEnd = **'06JAN2024'd** THEN DO; Weekcode = '2401'; END; ELSE IF WeekEnd = **'13JAN2024'd** THEN DO; Weekcode = '2402'; END;

ELSE IF WeekEnd = **'20JAN2024'd** THEN DO; Weekcode = '2403'; END; ELSE IF WeekEnd = **'27JAN2024'd** THEN DO; Weekcode = '2404'; END; ELSE IF WeekEnd = **'03FEB2024'd** THEN DO; Weekcode = '2405'; END;

ELSE IF WeekEnd = **'10FEB2024'd** THEN DO; Weekcode = '2406'; END; ELSE IF WeekEnd = **'17FEB2024'd** THEN DO; Weekcode = '2407'; END; ELSE IF WeekEnd = **'24FEB2024'd** THEN DO; Weekcode = '2408'; END;

ELSE IF WeekEnd = **'02MAR2024'd** THEN DO; Weekcode = '2409'; END; ELSE IF WeekEnd = **'09MAR2024'd** THEN DO; Weekcode = '2410'; END; ELSE IF WeekEnd = **'16MAR2024'd** THEN DO; Weekcode = '2411'; END;

ELSE IF WeekEnd = **'23MAR2024'd** THEN DO; Weekcode = '2412'; END; ELSE IF WeekEnd = **'30MAR2024'd** THEN DO; Weekcode = '2413'; END; ELSE IF WeekEnd = **'06APR2024'd** THEN DO; Weekcode = '2414'; END;

ELSE IF WeekEnd = **'13APR2024'd** THEN DO; Weekcode = '2415'; END; ELSE IF WeekEnd = **'20APR2024'd** THEN DO; Weekcode = '2416'; END; ELSE IF WeekEnd = **'27APR2024'd** THEN DO; Weekcode = '2417'; END;

ELSE IF WeekEnd = **'04MAY2024'd** THEN DO; Weekcode = '2418'; END; ELSE IF WeekEnd = **'11MAY2024'd** THEN DO; Weekcode = '2419'; END; ELSE IF WeekEnd = **'18MAY2024'd** THEN DO; Weekcode = '2420'; END;

ELSE IF WeekEnd = **'25MAY2024'd** THEN DO; Weekcode = '2421'; END; ELSE IF WeekEnd = **'01JUN2024'd** THEN DO; Weekcode = '2422'; END; ELSE IF WeekEnd = **'08JUN2024'd** THEN DO; Weekcode = '2423'; END;

ELSE IF WeekEnd = **'15JUN2024'd** THEN DO; Weekcode = '2424'; END; ELSE IF WeekEnd = **'22JUN2024'd** THEN DO; Weekcode = '2425'; END; ELSE IF WeekEnd = **'29JUN2024'd** THEN DO; Weekcode = '2426'; END;

ELSE IF WeekEnd = **'06JUL2024'd** THEN DO; Weekcode = '2427'; END; ELSE IF WeekEnd = **'13JUL2024'd** THEN DO; Weekcode = '2428'; END; ELSE IF WeekEnd = **'20JUL2024'd** THEN DO; Weekcode = '2429'; END;

ELSE IF WeekEnd = **'27JUL2024'd** THEN DO; Weekcode = '2430'; END; ELSE IF WeekEnd = **'03AUG2024'd** THEN DO; Weekcode = '2431'; END; ELSE IF WeekEnd = **'10AUG2024'd** THEN DO; Weekcode = '2432'; END;

ELSE IF WeekEnd = **'17AUG2024'd** THEN DO; Weekcode = '2433'; END; ELSE IF WeekEnd = **'24AUG2024'd** THEN DO; Weekcode = '2434'; END; ELSE IF WeekEnd = **'31AUG2024'd** THEN DO; Weekcode = '2435'; END;

ELSE IF WeekEnd = **'07SEP2024'd** THEN DO; Weekcode = '2436'; END; ELSE IF WeekEnd = **'14SEP2024'd** THEN DO; Weekcode = '2437'; END; ELSE IF WeekEnd = **'21SEP2024'd** THEN DO; Weekcode = '2438'; END;

ELSE IF WeekEnd = **'28SEP2024'd** THEN DO; Weekcode = '2439'; END; ELSE IF WeekEnd = **'05OCT2024'd** THEN DO; Weekcode = '2440'; END; ELSE IF WeekEnd = **'12OCT2024'd** THEN DO; Weekcode = '2441'; END;

ELSE IF WeekEnd = **'19OCT2024'd** THEN DO; Weekcode = '2442'; END; ELSE IF WeekEnd = **'26OCT2024'd** THEN DO; Weekcode = '2443'; END; ELSE IF WeekEnd = **'02NOV2024'd** THEN DO; Weekcode = '2444'; END;

ELSE IF WeekEnd = **'09NOV2024'd** THEN DO; Weekcode = '2445'; END; ELSE IF WeekEnd = **'16NOV2024'd** THEN DO; Weekcode = '2446'; END; ELSE IF WeekEnd = **'23NOV2024'd** THEN DO; Weekcode = '2447'; END;

ELSE IF WeekEnd = **'30NOV2024'd** THEN DO; Weekcode = '2448'; END; ELSE IF WeekEnd = **'07DEC2024'd** THEN DO; Weekcode = '2449'; END; ELSE IF WeekEnd = **'14DEC2024'd** THEN DO; Weekcode = '2450'; END;

ELSE IF WeekEnd = **'21DEC2024'd** THEN DO; Weekcode = '2451'; END; ELSE IF WeekEnd = **'28DEC2024'd** THEN DO; Weekcode = '2452'; END; ELSE IF WeekEnd = **'04JAN2025'd** THEN DO; Weekcode = '2501'; END;

ELSE IF WeekEnd = **'11JAN2025'd** THEN DO; Weekcode = '2502'; END; ELSE IF WeekEnd = **'18JAN2025'd** THEN DO; Weekcode = '2503'; END; ELSE IF WeekEnd = **'25JAN2025'd** THEN DO; Weekcode = '2504'; END;

ELSE IF WeekEnd = **'01FEB2025'd** THEN DO; Weekcode = '2505'; END; ELSE IF WeekEnd = **'08FEB2025'd** THEN DO; Weekcode = '2506'; END; ELSE IF WeekEnd = **'15FEB2025'd** THEN DO; Weekcode = '2507'; END;

ELSE IF WeekEnd = **'22FEB2025'd** THEN DO; Weekcode = '2508'; END; ELSE IF WeekEnd = **'01MAR2025'd** THEN DO; Weekcode = '2509'; END; ELSE IF WeekEnd = **'08MAR2025'd** THEN DO; Weekcode = '2510'; END;

ELSE IF WeekEnd = **'15MAR2025'd** THEN DO; Weekcode = '2511'; END; ELSE IF WeekEnd = **'22MAR2025'd** THEN DO; Weekcode = '2512'; END; ELSE IF WeekEnd = **'29MAR2025'd** THEN DO; Weekcode = '2513'; END;

ELSE IF WeekEnd = **'05APR2025'd** THEN DO; Weekcode = '2514'; END; ELSE IF WeekEnd = **'12APR2025'd** THEN DO; Weekcode = '2515'; END; ELSE IF WeekEnd = **'19APR2025'd** THEN DO; Weekcode = '2516'; END;

ELSE IF WeekEnd = **'26APR2025'd** THEN DO; Weekcode = '2517'; END; ELSE IF WeekEnd = **'03MAY2025'd** THEN DO; Weekcode = '2518'; END; ELSE IF WeekEnd = **'10MAY2025'd** THEN DO; Weekcode = '2519'; END;

ELSE IF WeekEnd = **'17MAY2025'd** THEN DO; Weekcode = '2520'; END; ELSE IF WeekEnd = **'24MAY2025'd** THEN DO; Weekcode = '2521'; END; ELSE IF WeekEnd = **'31MAY2025'd** THEN DO; Weekcode = '2522'; END;

ELSE IF WeekEnd = **'07JUN2025'd** THEN DO; Weekcode = '2523'; END; ELSE IF WeekEnd = **'14JUN2025'd** THEN DO; Weekcode = '2524'; END; ELSE IF WeekEnd = **'21JUN2025'd** THEN DO; Weekcode = '2525'; END;

ELSE IF WeekEnd = **'28JUN2025'd** THEN DO; Weekcode = '2526'; END; ELSE IF WeekEnd = **'05JUL2025'd** THEN DO; Weekcode = '2527'; END; ELSE IF WeekEnd = **'12JUL2025'd** THEN DO; Weekcode = '2528'; END;

ELSE IF WeekEnd = **'19JUL2025'd** THEN DO; Weekcode = '2529'; END; ELSE IF WeekEnd = **'26JUL2025'd** THEN DO; Weekcode = '2530'; END; ELSE IF WeekEnd = **'02AUG2025'd** THEN DO; Weekcode = '2531'; END;

ELSE IF WeekEnd = **'09AUG2025'd** THEN DO; Weekcode = '2532'; END; ELSE IF WeekEnd = **'16AUG2025'd** THEN DO; Weekcode = '2533'; END; ELSE IF WeekEnd = **'23AUG2025'd** THEN DO; Weekcode = '2534'; END;

ELSE IF WeekEnd = **'30AUG2025'd** THEN DO; Weekcode = '2535'; END; ELSE IF WeekEnd = **'06SEP2025'd** THEN DO; Weekcode = '2536'; END; ELSE IF WeekEnd = **'13SEP2025'd** THEN DO; Weekcode = '2537'; END;

ELSE IF WeekEnd = **'20SEP2025'd** THEN DO; Weekcode = '2538'; END; ELSE IF WeekEnd = **'27SEP2025'd** THEN DO; Weekcode = '2539'; END; ELSE IF WeekEnd = **'04OCT2025'd** THEN DO; Weekcode = '2540'; END;

ELSE IF WeekEnd = **'11OCT2025'd** THEN DO; Weekcode = '2541'; END; ELSE IF WeekEnd = **'18OCT2025'd** THEN DO; Weekcode = '2542'; END; ELSE IF WeekEnd = **'25OCT2025'd** THEN DO; Weekcode = '2543'; END;

ELSE IF WeekEnd = **'01NOV2025'd** THEN DO; Weekcode = '2544'; END; ELSE IF WeekEnd = **'08NOV2025'd** THEN DO; Weekcode = '2545'; END; ELSE IF WeekEnd = **'15NOV2025'd** THEN DO; Weekcode = '2546'; END;

ELSE IF WeekEnd = **'22NOV2025'd** THEN DO; Weekcode = '2547'; END; ELSE IF WeekEnd = **'29NOV2025'd** THEN DO; Weekcode = '2548'; END; ELSE IF WeekEnd = **'06DEC2025'd** THEN DO; Weekcode = '2549'; END;

ELSE IF WeekEnd = **'13DEC2025'd** THEN DO; Weekcode = '2550'; END; ELSE IF WeekEnd = **'20DEC2025'd** THEN DO; Weekcode = '2551'; END; ELSE IF WeekEnd = **'27DEC2025'd** THEN DO; Weekcode = '2552'; END;

ELSE IF WeekEnd = **'03JAN2026'd** THEN DO; Weekcode = '2553'; END;

FORMAT weekend date9.;

drop SpecimenCollectionDate SpecimenCollection\_Date WeekEnd;

RUN;

%end;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\*[Disease] Parsing\*/

%else %if &disease=[Disease] %then %do;

data &disease.\_data;

set [Project];

where prxmatch("/&disease|[Disease]/i",LabTest);

run;

%end;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\*Other Diseases that Don't Have Multiple Types of Tests\*/

%else %do;

data &disease.\_data;

set [Project];

where prxmatch("/&disease/i",Labtest);

run;

%end;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\*Generate Frequency Results for Each of the Disease's\*/

%if &disease=[Disease] %then %do;

data &disease.\_data;

set &disease.\_data;

if prxmatch("/Ag/i",LabTest) then do;

Test=**0**; end; else do; Test=**1**;

end;

run;

data &disease\_data;

set &disease\_data;

if prxmatch("/not|neg|no|inconclusive|equi|^$|intermed/i",codedesc) then Result="Negative";

else if codedesc=" " then Result="Negative";

else Result="Positive";

run;

data &disease.\_data;

set &disease.\_data;

if prxmatch("/Ag/i",LabTest) then do;

Test=**0**; end; else do; Test=**1**;

end;

run;

data &disease.\_data;

set &disease.HKU1\_data;

if prxmatch("/not|neg|no|inconclusive|equi|^$|intermed/i",codedesc) then Result="Negative";

else if codedesc=" " then Result="Negative";

else Result="Positive";

run;

data &disease.\_data;

set &disease.NL63\_data;

if prxmatch("/Ag/i",LabTest) then do;

Test=**0**; end; else do; Test=**1**;

end;

run;

data &disease.\_data;

set &disease.\_data;

if prxmatch("/not|neg|no|inconclusive|equi|^$|intermed/i",codedesc) then Result="Negative";

else if codedesc=" " then Result="Negative";

else Result="Positive";

run;

data &disease.\_data;

set &disease.\_data;

if prxmatch("/Ag/i",LabTest) then do;

Test=**0**; end; else do; Test=**1**;

end;

run;

data &disease.\_data;

set &disease.\_data;

if prxmatch("/not|neg|no|inconclusive|equi|^$|intermed/i",codedesc) then Result="Negative";

else if codedesc=" " then Result="Negative";

else Result="Positive";

run;

/\* Plug in the Sars Covid Table \*/

data [Disease]\_&disease.\_data;

set [Disease]\_&disease.\_data;

if prxmatch("/not|neg|no|inconclusive|equi|^$|intermed/i",codedesc) then Result="Negative";

else if codedesc=" " then Result="Negative";

else Result="Positive";

run;

Title1 "Counts of PCR vs Antigen tests";

Title2 "For [Disease] %upcase(&Disease.)";

proc freq data=[Disease]\_&disease.\_data;

table Weekcode\*SendingFacName\*test\*result /nocol list nopercent nocum norow out=work.[Disease]\_&disease.\_freqresults;

format test YorN.;

run;

Title1 "Counts of PCR vs Antigen tests";

Title2 "For %upcase(&[Disease])";

proc freq data=&Disease\_data;

table Weekcode\*SendingFacName\*test\*result /nocol list nopercent nocum norow out=work.&Disease\_freqresults;

format test YorN.;

run;

Title1 "Counts of PCR vs Antigen tests";

Title2 "For %upcase(&Disease)";

proc freq data=&Disease.\_data;

table Weekcode\*SendingFacName\*test\*result /nocol list nopercent nocum norow out=work.&Disease.\_freqresults;

format test YorN.;

run;

Title1 "Counts of PCR vs Antigen tests";

Title2 "For %upcase(&Disease)";

proc freq data=&Disease.\_data;

table Weekcode\*SendingFacName\*test\*result /nocol list nopercent nocum norow out=work.&Disease.\_freqresults;

format test YorN.;

run;

Title1 "Counts of PCR vs Antigen tests";

Title2 "For %upcase(&Disease)";

proc freq data=&Disease.\_data;

table Weekcode\*SendingFacName\*test\*result /nocol list nopercent nocum norow out=work.&Disease.\_freqresults;

format test YorN.;

run;

data &disease.\_freqresults;

set &disease.\_freqresults;

Disease="&disease.";

run;

data &disease.\_freqresults;

set &disease.\_freqresults;

Disease="&disease.";

run;

data &disease.\_freqresults;

set &disease.\_freqresults;

Disease="&disease.";

run;

data &disease.\_freqresults;

set &disease.\_freqresults;

Disease="&disease.";

run;

data SARS\_&disease.\_freqresults;

set SARS\_&disease.\_freqresults;

Disease="&disease.";

run;

%end;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\*Parainfluenza Frequency Tables\*/

%if &disease=[Disease] %then %do;

data &disease.\_data;

set &disease.\_data;

if prxmatch("/[Disease]1|[Disease]1/i",LabTest)

or prxmatch("/[Disease]2|[Disease]2/i",LabTest)

or prxmatch("/[Disease]3|[Disease]3/i",LabTest)

or prxmatch("/[Disease]4|[Disease]4/i",LabTest)

then delete;

run;

data &disease.\_data;

set &disease.\_data;

if prxmatch("/Ag/i",LabTest) then do;

Test=**0**; end; else do; Test=**1**;

end;

run;

data &disease.\_data;

set &disease.\_data;

if prxmatch("/not|neg|no|inconclusive|equi|^$|intermed/i",codedesc) then Result="Negative";

else if codedesc=" " then Result="Negative";

else Result="Positive";

run;

Title1 "Counts of PCR vs Antigen tests";

Title2 "For %upcase(&Disease) Non-Typed";

proc freq data=&disease.\_data;;

table Weekcode\*SendingFacName\*test\*result /nocol list nopercent nocum norow out=&disease.\_freqresults;

format test YorN.;

run;

data &disease.\_freqresults;

set &disease.\_freqresults;

Disease="&disease";

run;

%do i=**1** %to **4**;

data &&disease.&i.\_data;

set &&disease.&i.\_data;

if prxmatch("/Ag/i",LabTest) then do;

Test=**0**; end; else do; Test=**1**;

end;

run;

data &&disease.&i.\_data;

set &&disease.&i.\_data;

if prxmatch("/not|neg|no|inconclusive|equi|^$|intermed/i",codedesc) then Result="Negative";

else if codedesc=" " then Result="Negative";

else Result="Positive";

run;

Title1 "Counts of PCR vs Antigen tests";

Title2 "For %upcase(&&Disease.&i.)";

proc freq data=&&disease.&i.\_data;

table Weekcode\*SendingFacName\*test\*result /nocol list nopercent nocum norow out=work.&&disease.&i.\_freqresults;

format test YorN.;

run;

data &&disease.&i.\_freqresults;

set &&disease.&i.\_freqresults;

Disease="&&disease.&i";

run;

%end;

%end;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\* [Disease] Frequency tables \*/

%if &disease=[Disease] %then %do;

/\*[Disease] non-typed\*/

data [Disease]\_data;

set [Disease]\_data;

if prxmatch("/Ag/i",LabTest) then do;

Test=**0**; end; else do; Test=**1**;

end;

run;

data [Disease]\_data;

set [Disease]\_data;

if prxmatch("/not|neg|no|inconclusive|equi|^$|intermed/i",codedesc) then Result="Negative";

else if codedesc=" " then Result="Negative";

else Result="Positive";

run;

Title1 "Counts of PCR vs Antigen tests";

Title2 "For %upcase(&Disease)";

proc freq data=[Disease]\_data;

table Weekcode\*SendingFacName\*test\*result / list nocol nopercent nocum norow out=work.&Disease.\_freqresults;

format test YorN.;

run;

data &disease.\_freqresults;

set &disease.\_freqresults;

Disease="&disease";

run;

/\*[Disease]1\*/

data [Disease]1\_data;

set [Disease]1\_data;

if prxmatch("/Ag/i",LabTest) then do;

Test=**0**; end; else do; Test=**1**;

end;

run;

data [Disease]1\_data;

set [Disease]1\_data;

if prxmatch("/not|neg|no|inconclusive|equi|^$|intermed/i",codedesc) then Result="Negative";

else if codedesc=" " then Result="Negative";

else Result="Positive";

run;

Title1 "Counts of PCR vs Antigen tests";

Title2 "For %upcase(&Disease)";

proc freq data=[Disease]1\_data;

table Weekcode\*SendingFacName\*test\*result / list nocol nopercent nocum norow out=work.&Disease.1\_freqresults;

format test YorN.;

run;

data &disease.1\_freqresults;

set &disease.1\_freqresults;

Disease="&disease 1";

run;

/\*[Disease] 2\*/

data [Disease]2\_data;

set [Disease]2\_data;

if prxmatch("/Ag/i",LabTest) then do;

Test=**0**; end; else do; Test=**1**;

end;

run;

data [Disease]2\_data;

set [Disease]2\_data;

if prxmatch("/not|neg|no|inconclusive|equi|^$|intermed/i",codedesc) then Result="Negative";

else if codedesc=" " then Result="Negative";

else Result="Positive";

run;

Title1 "Counts of PCR vs Antigen tests";

Title2 "For %upcase(&Disease 2)";

proc freq data=[Disease]2\_data;

table Weekcode\*SendingFacName\*test\*result / list nocol nopercent nocum norow out=work.&Disease.2\_freqresults;

format test YorN.;

run;

data &disease.2\_freqresults;

set &disease.2\_freqresults;

Disease="&disease 2";

run;

%end;

%else %do;

data &disease.\_data;

set &disease.\_data;

if prxmatch("/Ag/i",LabTest) then do;

Test=**0**; end; else do; Test=**1**;

end;

run;

data &disease.\_data;

set &disease.\_data;

if prxmatch("/not|neg|no|inconclusive|equi|^$|intermed/i",codedesc) then Result="Negative";

else if codedesc=" " then Result="Negative";

else Result="Positive";

run;

Title1 "Counts of PCR vs Antigen tests";

Title2 "For %upcase(&Disease)";

proc freq data=&Disease.\_data;

table Weekcode\*SendingFacName\*test\*result / list nocol nopercent nocum norow out=work.&Disease.\_freqresults;

format test YorN.;

run;

data &disease.\_freqresults;

set &disease.\_freqresults;

Disease="&disease";

run;

%end;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

**%mend** Dis;

\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------;

/\*Macro's To Run for First Macro\*/

%***Dis***([Disease]);

%***Dis***([Disease]);

%***Dis***([Disease]);

%***Dis***([Disease]);

%***Dis***([Disease]);

%***Dis***([Disease]);

%***Dis***([Disease]);

%***Dis***([Disease]);

%***Dis***([Disease]);

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\*Create a blank dataset to append each of the sheets to\*/

**data** Test\_info;

length Disease $**15**;

set [Disease]\_freqresults;

stop;

**run**;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\*Append Each Disease's Frequency Results To The Blank Dataset\*/

**%macro** append(Disease);

%if &Disease=[Disease] %then %do;

proc append base=Test\_info

data=&[Disease]\_freqresults;

run;

proc delete data=work.[Disease]\_data

work.[Disease]\_freqresults;

run;

proc append base=Test\_info

data=&Disease. [Disease]\_freqresults;

run;

proc delete data=work.[Disease]\_data

work.[Disease]\_freqresults;

run;

proc append base=Test\_info

data=&Disease.[Disease]\_freqresults;

run;

proc delete data=work.[Disease]\_data

work.[Disease]\_freqresults;

run;

proc append base=Test\_info

data=&Disease.\_freqresults;

run;

proc delete data=work.[Disease]\_data

work.[Disease]\_freqresults;

run;

proc append base=Test\_info force

data=[Disease]\_freqresults;

run;

proc delete data=[Disease]\_data

[Disease]\_freqresults;

run;

%end;

%if &Disease=[Disease] %then %do;

proc append base=Test\_info

data=[Disease]1\_freqresults;

run;

proc delete data=work.[Disease]1\_data

work.[Disease]1\_freqresults;

run;

proc append base=Test\_info

data=[Disease]2\_freqresults;

run;

proc delete data=work.[Disease]2\_data

work.[Disease]2\_freqresults;

run;

proc append base=Test\_info

data=[Disease]3\_freqresults;

run;

proc delete data=work.[Disease]3\_data

work.[Disease]3\_freqresults;

run;

proc append base=Test\_info

data=[Disease]4\_freqresults;

run;

proc delete data=work.[Disease]4\_data

work.[Disease]4\_freqresults;

run;

proc append base=Test\_info

data=[Disease]\_freqresults;

run;

proc delete data=work.[Disease]\_data

work.[Disease]\_freqresults;

run;

%end;

/\*[Disease] Appending\*/

%if &Disease=[Disease] %then %do;

proc append base=Test\_info

data=[Disease]\_freqresults;

run;

proc delete data=work.[Disease]\_data

work.[Disease]\_freqresults;

run;

proc append base=Test\_info

data=[Disease]\_freqresults;

run;

proc delete data=work.[Disease]\_data

work.[Disease]\_freqresults;

run;

proc append base=Test\_info

data=[Disease]\_freqresults;

run;

proc delete data=work.[Disease]\_data

work.[Disease]\_freqresults;

run;

%end;

%else %do;

proc append base=Test\_info

data=&Disease.\_freqresults;

run;

proc delete data=work.&Disease.\_data

work.&Disease.\_freqresults;

run;

%end;

**%mend**;

%***append***([Disease]);

%***append***([Disease]);

%***append***([Disease]);

%***append***([Disease]);

%***append***([Disease]);

%***append***([Disease]);

%***append***([Disease]);

%***append***([Disease]);

%***append***([Disease]);

**data** test\_info;

set test\_info;

drop PERCENT;

**run**;

**proc** **sort** data=test\_info;

by WeekCode;

**run**;

**proc** **sql**;

create table test\_info1 as

select SendingFacName as LabID, weekcode,

/\*Code for Antigen Testing, only [Disease] 1 & 2, [Disease], and [Disease] will have antigen test values so the other columns will be blank.\*/

sum(case when disease = '[Disease]' and Test = **0** then count end) as [Disease]\_ANT\_Total,

sum(case when disease = '[Disease]' and Test = **0** and Result = 'Positive' then count end) as [Disease]\_ANT\_Pos,

sum(case when disease LIKE '[Disease]%' and Test = **0** then count end) as [Disease]\_ANT\_Total,

sum(case when disease= '[Disease]1' and Test = **0** and Result = 'Positive' then count end) as [Disease]\_ANT\_Pos,

sum(case when disease= '[Disease]2' and Test = **0** and Result = 'Positive' then count end) as [Disease]\_ANT\_Pos,

sum(case when disease= '[Disease]' and Test = **0** and Result = 'Positive' then count end) as [Disease]\_ANT\_Pos,

sum(case when disease= '[Disease]' and Test = **0** and Result = 'Positive' then count end) as [Disease]\_ANT\_Pos,

sum(case when disease = '[Disease]' and Test = **0** then count end) as [Disease]\_ANT\_Total,

sum(case when disease = '[Disease]' and Test = **0** and Result = 'Positive' then count end) as [Disease]\_ANT\_Pos,

sum(case when disease Like '[Disease]' and Test = **0** then count end) as [Disease]\_ANT\_Total,

sum(case when disease= '[Disease]' and Test = **0** and Result = 'Positive' then count end) as [Disease]\_ANT\_Pos,

sum(case when disease= '[Disease]' and Test = **0** and Result = 'Positive' then count end) as [Disease]\_ANT\_Pos,

sum(case when disease = '[Disease]' and Test = **0** then count end) as [Disease]\_ANT\_Total,

sum(case when disease = '[Disease]' and Test = **0** and Result = 'Positive' then count end) as [Disease]\_ANT\_Pos,

sum(case when disease = '[Disease]'and Test = **0** then count end) as [Disease]\_ANT\_Total,

sum(case when disease = '[Disease]'and Test = **0** and Result = 'Positive' then count end) as [Disease]\_ANT\_Pos,

/\*Code for PCR Tests\*/

sum(case when disease = '[Disease]' and Test = **1** then count end) as [Disease]\_PCR\_Total,

sum(case when disease = '[Disease]' and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos,

sum(case when disease LIKE '[Disease]'and Test = **1** then count end) as [Disease]\_PCR\_Total,

sum(case when disease= '[Disease]' and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos,

sum(case when disease= '[Disease]' and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos,

sum(case when disease= '[Disease]' and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos,

sum(case when disease= '[Disease]' and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos,

sum(case when disease = '[Disease]' or disease = '[Disease]' and Test = **1** then count end) as [Disease]\_PCR\_Total,

sum(case when disease = '[Disease]' or disease = '[Disease]' and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos,

sum(case when disease Like '[Disease]'and Test = **1** then count end) as [Disease]\_PCR\_Total,

sum(case when disease= '[Disease]' and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos,

sum(case when disease= '[Disease]'and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos,

sum(case when disease= '[Disease]'and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos,

sum(case when disease= '[Disease]' and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos,

sum(case when disease = '[Disease]' and Test = **1** then count end) as [Disease]\_PCR\_Total,

sum(case when disease = '[Disease]' and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos,

sum(case when disease = '[Disease]' and Test = **1** then count end) as [Disease]\_PCR\_Total,

sum(case when disease = '[Disease]' and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos,

sum(case when disease Like '[Disease]'and Test = **1** then count end) as [Disease]\_PCR\_Total,

sum(case when disease= '[Disease]'and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos,

sum(case when disease= '[Disease]'and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos,

sum(case when disease= '[Disease]'and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos,

sum(case when disease= '[Disease]'and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos,

sum(case when disease= '[Disease]'and Test = **1** and Result = 'Positive' then count end) as [Disease]\_PCR\_Pos

from work.test\_info

group by weekcode, labid;

**quit**;

/\*------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------\*/

/\*Export the Data to a CSV\*/

/\* Step 2: Export the [Project]\_data to CSV \*/

**proc** **export** data=Test\_info1

outfile="Path\_to\_Sharepoint\_page\test\_info\_formatted.csv"

dbms=csv

replace;

**run**;