**—--------------------------Demographics—---------------------------------------------**

**--Case\_id: Arrange in Ascending order for better readability**

select case\_id from demography order by case\_id asc;

**--age\_years\_old : Changed column name to Age while creating demographics table using as**

ALTER TABLE public.demographics

RENAME COLUMN age\_years\_old TO Age;

**--color\_ethnicity : Renamed column to Race ; change datatype to text and Replace 0 with White, 1 with black,2 with brown, 3 with Asian.**

ALTER TABLE public.demographics

RENAME COLUMN color\_ethnicity TO Race;

"Alter table demographics

Alter Column color\_ethnicity type varchar(100);

"

"Update demographics

set color\_ethnicity=

Case

when color\_ethnicity = '0' then 'White'

when color\_ethnicity = '1' then 'Black'

when color\_ethnicity = '2' then 'Brown'

when color\_ethnicity = '3' then 'Asian'

else 'Null'

End ;

**select \* from demographics"**

**—--------------Anthropometry Table:-----------------------------------------------**

ALTER TABLE Anthropometry

RENAME COLUMN circumference\_of\_the\_maternal\_calf to maternal\_calf\_circumference

**—-------------------------------New\_Born\_Details—-----------------------------------------------**

**–Changed expected\_weight\_for\_the\_newborn to kgs.**

UPDATE New\_Born\_Details

SET expected\_weight\_for\_the\_newborn = expected\_weight\_for\_the\_newborn / 1000;

**Rename column expected\_weight\_for\_the\_newborn to expected\_newborn\_weight\_in\_kg**

ALTER TABLE New\_Born\_Details

RENAME COLUMN expected\_weight\_for\_the\_newborn TO expected\_newborn\_weight\_in\_kg;

**–Changed New\_Born\_Details to kgs.**

UPDATE New\_Born\_Details

SET Newborn\_weight = ROUND((Newborn\_weight / 1000.0)::numeric, 2);

**–Rename column Newborn\_weight to Newborn\_weight\_in\_kg**

ALTER TABLE New\_Born\_Details

RENAME COLUMN Newborn\_weight TO Newborn\_weight\_in\_kg;

**–Update apgar\_1st\_min** **to null for Value 99.**

UPDATE new\_born\_Details

SET apgar\_1st\_min = NULL WHERE apgar\_1st\_min = 99 ;

**–Rename column apgar\_1st\_min to apgar\_score\_1st\_min**

ALTER TABLE New\_Born\_Details

RENAME COLUMN apgar\_1st\_min TO apgar\_score\_1st\_min;

**–Rename column apgar\_5th\_min to apgar\_score\_5th\_min**

ALTER TABLE New\_Born\_Details

RENAME COLUMN apgar\_5th\_min TO apgar\_score\_5th\_min;

—---------------------------------Labs—------------------------------------------------

—---------------------------------------------------------------------------

–Updated all the columns not\_applicable to NA

—------------------------------------------------------------------

UPDATE labs

SET

second\_trimester\_hematocrit = CASE WHEN second\_trimester\_hematocrit = 'not\_applicable' THEN 'NA' ELSE second\_trimester\_hematocrit END,

third\_trimester\_hematocrit = CASE WHEN third\_trimester\_hematocrit = 'not\_applicable' THEN 'NA' ELSE third\_trimester\_hematocrit END,

second\_trimester\_hemoglobin = CASE WHEN second\_trimester\_hemoglobin = 'not\_applicable' THEN 'NA' ELSE second\_trimester\_hemoglobin END,

third\_trimester\_hemoglobin = CASE WHEN third\_trimester\_hemoglobin = 'not\_applicable' THEN 'NA' ELSE third\_trimester\_hemoglobin END,

second\_tri\_fasting\_blood\_glucose = CASE WHEN second\_tri\_fasting\_blood\_glucose = 'second\_tri\_fasting\_blood\_glucose' THEN 'NA' ELSE second\_tri\_fasting\_blood\_glucose END,

third\_tri\_fasting\_blood\_glucose = CASE WHEN third\_tri\_fasting\_blood\_glucose = 'not\_applicable' THEN 'NA' ELSE third\_tri\_fasting\_blood\_glucose END,

"1st\_hour\_ogtt75\_1st\_tri" = CASE WHEN "1st\_hour\_ogtt75\_1st\_tri" = 'not\_applicable' THEN 'NA' ELSE "1st\_hour\_ogtt75\_1st\_tri" END,

"1st\_hour\_ogtt75\_2tri" = CASE WHEN "1st\_hour\_ogtt75\_2tri" = 'not\_applicable' THEN 'NA' ELSE "1st\_hour\_ogtt75\_2tri" END,

"1st\_hour\_ogtt75\_3tri" = CASE WHEN "1st\_hour\_ogtt75\_3tri" = 'not\_applicable' THEN 'NA' ELSE "1st\_hour\_ogtt75\_3tri" END,

"2nd\_hour\_ogtt\_1tri"= CASE WHEN "2nd\_hour\_ogtt\_1tri" = 'not\_applicable' THEN 'NA' ELSE "2nd\_hour\_ogtt\_1tri" END,

"2nd\_hour\_ogtt75\_2tri"= CASE WHEN "2nd\_hour\_ogtt75\_2tri" = 'not\_applicable' THEN 'NA' ELSE "2nd\_hour\_ogtt75\_2tri" END,

"2nd\_hour\_ogtt\_3tri"= CASE WHEN "2nd\_hour\_ogtt\_3tri" = 'not\_applicable' THEN 'NA' ELSE "2nd\_hour\_ogtt\_3tri" END,

right\_systolic\_blood\_pressure= CASE WHEN right\_systolic\_blood\_pressure = 'not\_applicable' THEN 'NA' ELSE right\_systolic\_blood\_pressure END,

right\_diastolic\_blood\_pressure= CASE WHEN right\_diastolic\_blood\_pressure = 'not\_applicable' THEN 'NA' ELSE right\_diastolic\_blood\_pressure END,

left\_systolic\_blood\_pressure= CASE WHEN left\_systolic\_blood\_pressure= 'not\_applicable' THEN 'NA' ELSE left\_systolic\_blood\_pressure END,

left\_diastolic\_blood\_pressure = CASE WHEN left\_diastolic\_blood\_pressure = 'not\_applicable' THEN 'NA' ELSE left\_diastolic\_blood\_pressure END;

–Replaced 121 (which is Outlier) with null

—----------------------------------------------------------

UPDATE labs

SET third\_trimester\_hemoglobin = NULL

WHERE third\_trimester\_hemoglobin = '121';

-------------------------------------Ultrasound\_results--------------------------------------

select \*

from Ultrasound\_results

ORDER BY case\_id ASC;

UPDATE Previous\_Pregnancy

SET past\_newborn\_1\_weight = REPLACE(past\_newborn\_1\_weight, ',', '');

UPDATE previous\_pregnancy

SET past\_newborn\_1\_weight = (CAST(past\_newborn\_1\_weight AS FLOAT) / 1000)::TEXT

WHERE past\_newborn\_1\_weight ~ '^\d+(\.\d+)?$';

UPDATE Ultrasound\_results

SET

periumbilical\_subcutanous\_fat = CASE

WHEN periumbilical\_subcutanous\_fat = 'not\_applicable' THEN 'NA'

ELSE periumbilical\_subcutanous\_fat

END,

periumbilical\_visceral\_fat = CASE

WHEN periumbilical\_visceral\_fat = 'not\_applicable' THEN 'NA'

ELSE periumbilical\_visceral\_fat

END,

periumbilical\_total\_fat = CASE

WHEN periumbilical\_total\_fat = 'not\_applicable' THEN 'NA'

ELSE periumbilical\_total\_fat

END,

fetal\_weight\_at\_ultrasound = CASE

WHEN fetal\_weight\_at\_ultrasound = 'not\_applicable' THEN 'NA'

ELSE fetal\_weight\_at\_ultrasound

END,

weight\_fetal\_percentile = CASE

WHEN weight\_fetal\_percentile = 'not\_applicable' THEN 'NA'

ELSE weight\_fetal\_percentile

END

UPDATE Ultrasound\_results

SET periumbilical\_total\_fat =

(CAST(periumbilical\_subcutanous\_fat AS DOUBLE PRECISION) +

CAST(periumbilical\_visceral\_fat AS DOUBLE PRECISION))

WHERE case\_id IN (266, 280);

Select periumbilical\_subcutanous\_fat,periumbilical\_visceral\_fat,periumbilical\_total\_fat from Ultrasound\_results

WHERE case\_id IN (266, 280);

UPDATE Ultrasound\_results

SET weight\_fetal\_percentile = ''

WHERE weight\_fetal\_percentile = '25';

UPDATE Ultrasound\_results

SET weight\_fetal\_percentile = CASE

WHEN weight\_fetal\_percentile = '1' THEN '10-25'

WHEN weight\_fetal\_percentile = '2' THEN '25'

WHEN weight\_fetal\_percentile = '3' THEN '25-50'

WHEN weight\_fetal\_percentile = '4' THEN '50'

WHEN weight\_fetal\_percentile = '5' THEN '50-75'

WHEN weight\_fetal\_percentile = '6' THEN '75'

WHEN weight\_fetal\_percentile = '7' THEN '75-90'

WHEN weight\_fetal\_percentile = '8' THEN '90'

ELSE weight\_fetal\_percentile

END;

—--------------Fetal Development Risk—---------------------------------------

—---------------------------------------------------------------------------------------

(Updated all the columns with not\_applicable to NA and no\_answer to No Answer)

You can combine this column if you want……………………..

—--------------------------------------------------------------------------------------------------------------

UPDATE Fetal\_Development\_Risk

SET tobacco\_use\_in\_months =

CASE

WHEN tobacco\_use\_in\_months = 'not\_applicable' THEN 'NA'

WHEN tobacco\_use\_in\_months = 'no answer' THEN 'No Answer'

ELSE tobacco\_use\_in\_months

END

WHERE tobacco\_use\_in\_months IN ('not\_applicable', 'no answer');

—------------------------------------------------------------------------------------------

UPDATE Fetal\_Development\_Risk

SET tobacco\_quantity\_by\_day =

CASE

WHEN tobacco\_quantity\_by\_day = 'not\_applicable' THEN 'NA'

WHEN tobacco\_quantity\_by\_day = 'no answer' THEN 'No Answer'

ELSE tobacco\_quantity\_by\_day

END

WHERE tobacco\_quantity\_by\_day IN ('not\_applicable', 'no answer');

—-------------------------------------------------------------------------------------------

UPDATE Fetal\_Development\_Risk

SET alcohol\_quantity\_milliliters =

CASE

WHEN alcohol\_quantity\_milliliters= 'not\_applicable' THEN 'NA'

WHEN alcohol\_quantity\_milliliters = 'no\_answer' THEN 'No Answer'

ELSE alcohol\_quantity\_milliliters

END

WHERE alcohol\_quantity\_milliliters IN ('not\_applicable', 'no\_answer');

—------------------------------------------------------------------------------------------

UPDATE Fetal\_Development\_Risk

SET alcohol\_preference =

CASE

WHEN alcohol\_preference= 'not\_applicable' THEN 'NA'

ELSE alcohol\_preference

END

—-------------------------------------------------------------------------------------

UPDATE Fetal\_Development\_Risk

SET drugs\_preference =

CASE

WHEN drugs\_preference= 'not\_applicable' THEN 'NA'

ELSE drugs\_preference

END

—--------------------------------------------------------------------------------

UPDATE Fetal\_Development\_Risk

SET drugs\_during\_pregnancy =

CASE

WHEN drugs\_during\_pregnancy= 'not\_applicable' THEN 'NA'

ELSE drugs\_during\_pregnancy

END

—-----------------------------------------------------------------------------------------

UPDATE Fetal\_Development\_Risk

SET drugs\_years\_use =

CASE

WHEN drugs\_years\_use= 'not\_applicable' THEN 'NA'

ELSE drugs\_years\_use

END

—---------------------------------------------------------------------------

UPDATE Fetal\_Development\_Risk

SET hiv\_1tri =

CASE

WHEN hiv\_1tri = 'not\_applicable' THEN 'NA'

ELSE hiv\_1tri

END

—--------------------------------------------------------------------------------

UPDATE Fetal\_Development\_Risk

SET syphilis\_1tri =

CASE

WHEN syphilis\_1tri = 'not\_applicable' THEN 'NA'

ELSE syphilis\_1tri

END

—-------------------------------------------------------------------------------

UPDATE Fetal\_Development\_Risk

SET c\_hepatitis\_1tri =

CASE

WHEN c\_hepatitis\_1tri = 'not\_applicable' THEN 'NA'

ELSE c\_hepatitis\_1tri

END

—---------------------------------------------------------------------------------

UPDATE Fetal\_Development\_Risk

SET hypertension\_past\_treatment =

CASE

WHEN hypertension\_past\_treatment = 'not\_applicable' THEN 'NA'

ELSE hypertension\_past\_treatment

END

—-------------------------------------------------------

UPDATE Fetal\_Development\_Risk

SET diabetes\_mellitus\_disease\_gap =

CASE

WHEN diabetes\_mellitus\_disease\_gap = 'not\_applicable' THEN 'NA'

ELSE diabetes\_mellitus\_disease\_gap

END

—-------------------------------------------------------------------

UPDATE Fetal\_Development\_Risk

SET diabetes\_mellitus\_treatment =

CASE

WHEN diabetes\_mellitus\_treatment = 'not\_applicable' THEN 'NA'

ELSE diabetes\_mellitus\_treatment

END

—----------------------------------------------------------------------------------------

UPDATE Fetal\_Development\_Risk

SET chronic\_diabetes =

CASE

WHEN chronic\_diabetes = 'not\_applicable' THEN 'NA'

ELSE chronic\_diabetes

END

—------------------------------------------------------------------------------------------------------

UPDATE Fetal\_Development\_Risk

SET chronic\_diabetes = NULL

WHERE chronic\_diabetes IN ('888', '88888');

—---------------------------------------------------------------------------------------------

UPDATE Fetal\_Development\_Risk

SET chronic\_diseases =

CASE

WHEN chronic\_diseases = 'not\_applicable' THEN 'NA'

ELSE chronic\_diseases

END

**--------------- BMI\_Metrics-------------------------------**

-- spelling mistake in column hight\_at\_inclusion

ALTER TABLE public. bmi\_metrics

RENAME COLUMN hight\_at\_inclusion TO

height\_at\_inclusion;

-- change not\_applicable to N/A for prepreganant\_bmi

UPDATE bmi\_metrics

SET prepregnant\_bmi= CASE

WHEN prepregnant\_bmi = 'not\_applicable' THEN 'NA'

else prepregnant\_bmi

END

-- calculating bmi\_types based on prepregnant\_bmi values

ALTER TABLE public.bmi\_metrics

ALTER COLUMN bmi\_according\_who TYPE TEXT;

UPDATE bmi\_metrics

SET bmi\_according\_who =

CASE

WHEN CAST(prepregnant\_bmi AS DOUBLE PRECISION) < 18.5 THEN 'Underweight'

WHEN CAST(prepregnant\_bmi AS DOUBLE PRECISION) >= 18.5 AND CAST(prepregnant\_bmi AS DOUBLE PRECISION) <= 24.9 THEN 'Normal Weight'

WHEN CAST(prepregnant\_bmi AS DOUBLE PRECISION) >= 25 AND CAST(prepregnant\_bmi AS DOUBLE PRECISION) <= 29.9 THEN 'Overweight'

WHEN CAST(prepregnant\_bmi AS DOUBLE PRECISION) >= 30 THEN 'Obese'

ELSE NULL

END

WHERE prepregnant\_bmi ~ '^\d+(\.\d+)?$';

-- current\_maternal\_weight\_1st\_tri, current\_maternal\_weight\_2nd\_tri, current\_maternal\_weight\_3rd\_tri

UPDATE bmi\_metrics

SET current\_maternal\_weight\_1st\_tri= CASE

WHEN current\_maternal\_weight\_1st\_tri = 'not\_applicable' THEN 'NA'

ELSE current\_maternal\_weight\_1st\_tri

END

UPDATE bmi\_metrics

SET current\_maternal\_weight\_2nd\_tri= CASE

WHEN current\_maternal\_weight\_2nd\_tri = 'not\_applicable' THEN 'NA'

ELSE current\_maternal\_weight\_2nd\_tri

END

UPDATE bmi\_metrics

SET current\_maternal\_weight\_3rd\_tri= CASE

WHEN current\_maternal\_weight\_3rd\_tri = 'not\_applicable' THEN 'NA'

ELSE current\_maternal\_weight\_3rd\_tri

END

-- current\_bmi\_according\_who

ALTER TABLE bmi\_metrics

ALTER COLUMN current\_bmi\_according\_who SET DATA TYPE TEXT USING current\_bmi\_according\_who::text;

UPDATE bmi\_metrics

SET current\_bmi\_according\_who =

CASE

WHEN current\_bmi < 18.5 THEN 'Underweight'

WHEN current\_bmi >= 18.5 AND current\_bmi <=24.9 THEN 'Normal Weight'

WHEN current\_bmi >= 25 AND current\_bmi <=29.9 THEN 'Overweight'

WHEN current\_bmi >= 30 THEN 'Obese'

ELSE 'Null'

END

select \* from public.bmi\_metrics

**—----------previous\_pregnancy—-------------------------------------------**

-- replace not\_applicable to NA

UPDATE public.previous\_pregnancy

SET past\_newborn\_1\_weight = CASE

WHEN past\_newborn\_1\_weight = 'not\_applicable' THEN 'NA'

ELSE past\_newborn\_1\_weight

END

--Convert grams to kgs

UPDATE previous\_pregnancy

SET past\_newborn\_1\_weight = (CAST(past\_newborn\_1\_weight AS FLOAT) / 1000)::TEXT

WHERE past\_newborn\_1\_weight ~ '^\d+(\.\d+)?$';

UPDATE previous\_pregnancy

SET past\_newborn\_2\_weight = (CAST(past\_newborn\_2\_weight AS FLOAT) / 1000)::TEXT

WHERE past\_newborn\_2\_weight ~ '^\d+(\.\d+)?$';

UPDATE previous\_pregnancy

SET past\_newborn\_3\_weight = (CAST(past\_newborn\_3\_weight AS FLOAT) / 1000)::TEXT

WHERE past\_newborn\_3\_weight ~ '^\d+(\.\d+)?$';

UPDATE previous\_pregnancy

SET past\_newborn\_4\_weight = (CAST(past\_newborn\_4\_weight AS FLOAT) / 1000)::TEXT

WHERE past\_newborn\_4\_weight ~ '^\d+(\.\d+)?$';

-- replace not\_applicable to NA

UPDATE public.previous\_pregnancy

SET

gestational\_age\_past\_newborn\_1 = CASE

WHEN gestational\_age\_past\_newborn\_1 = 'not\_applicable' THEN 'NA'

ELSE gestational\_age\_past\_newborn\_1

END,

gestational\_age\_past\_newborn\_2 = CASE

WHEN gestational\_age\_past\_newborn\_2 = 'not\_applicable' THEN 'NA'

ELSE gestational\_age\_past\_newborn\_2

END,

gestational\_age\_past\_newborn\_3 = CASE

WHEN gestational\_age\_past\_newborn\_3 = 'not\_applicable' THEN 'NA'

ELSE gestational\_age\_past\_newborn\_3

END,

gestational\_age\_past\_4\_newborn = CASE

WHEN gestational\_age\_past\_4\_newborn = 'not\_applicable' THEN 'NA'

ELSE gestational\_age\_past\_4\_newborn

END

UPDATE public.previous\_pregnancy

SET past\_newborn\_2\_weight = CASE

WHEN past\_newborn\_2\_weight = 'not\_applicable' THEN 'NA'

ELSE past\_newborn\_2\_weight

END

select \* from previous\_pregnancy

**---------------------Hospitalization\_Labor---------------------**

**select \***

**from hospitalization\_labor**

**ORDER BY case\_id ASC;**

**UPDATE Hospitalization\_Labor**

**SET**

**disease\_diagnose\_during\_pregnancy = CASE**

**WHEN disease\_diagnose\_during\_pregnancy = 'not\_applicable' THEN 'NA'**

**ELSE disease\_diagnose\_during\_pregnancy**

**END,**

**treatment\_disease\_pregnancy = CASE**

**WHEN treatment\_disease\_pregnancy = 'not\_applicable' THEN 'NA'**

**ELSE treatment\_disease\_pregnancy**

**END,**

**prepartum\_maternal\_weight = CASE**

**WHEN prepartum\_maternal\_weight = 'not\_applicable' THEN 'NA'**

**ELSE prepartum\_maternal\_weight**

**END,**

**prepartum\_maternal\_heigh = CASE**

**WHEN prepartum\_maternal\_heigh = 'not\_applicable' THEN 'NA'**

**ELSE prepartum\_maternal\_heigh**

**END,**

**cesarean\_section\_reason = CASE**

**WHEN cesarean\_section\_reason = 'not\_applicable' THEN 'NA'**

**ELSE cesarean\_section\_reason**

**END,**

**hospital\_systolic\_blood\_pressure = CASE**

**WHEN hospital\_systolic\_blood\_pressure = 'not\_applicable' THEN 'NA'**

**ELSE hospital\_systolic\_blood\_pressure**

**END,**

**hospital\_diastolic\_blood\_pressure = CASE**

**WHEN hospital\_diastolic\_blood\_pressure = 'not\_applicable' THEN 'NA'**

**ELSE hospital\_diastolic\_blood\_pressure**

**END**

**UPDATE Hospitalization\_Labor**

**SET disease\_diagnose\_during\_pregnancy = 'GDM'**

**WHERE case\_id = 194 AND disease\_diagnose\_during\_pregnancy = '0';**

**UPDATE Hospitalization\_Labor**

**SET treatment\_disease\_pregnancy = ' '**

**WHERE treatment\_disease\_pregnancy IN ('0', '45');**

**ALTER TABLE Hospitalization\_Labor**

**RENAME COLUMN prepartum\_maternal\_heigh TO prepartum\_maternal\_height;**

**ALTER TABLE Hospitalization\_Labor**

**ALTER COLUMN delivery\_mode SET DATA TYPE VARCHAR(255);**

**UPDATE Hospitalization\_Labor**

**SET delivery\_mode = CASE**

**WHEN delivery\_mode = '1' THEN 'vaginal'**

**WHEN delivery\_mode = '2' THEN 'vaginal forcipe'**

**WHEN delivery\_mode = '5' THEN 'miscarriage with curettage'**

**WHEN delivery\_mode = '6' THEN 'miscarriage without curettage'**

**WHEN delivery\_mode = '7' THEN 'vaginal without episiotomy'**

**WHEN delivery\_mode = '8' THEN 'cesarean by jeopardy'**

**WHEN delivery\_mode = '9' THEN 'vaginal with episiotomy'**

**WHEN delivery\_mode = '12' THEN 'cesarean section'**

**ELSE delivery\_mode**

**END;**

**UPDATE Hospitalization\_Labor**

**SET cesarean\_section\_reason = ' '**

**WHERE case\_id = 107 AND cesarean\_section\_reason = '8'**

**OR case\_id = 17 AND cesarean\_section\_reason = '12';**

**ALTER TABLE Hospitalization\_Labor**

**ALTER COLUMN hospital\_hypertension SET DATA TYPE VARCHAR(255);**

**UPDATE Hospitalization\_Labor**

**SET hospital\_hypertension = CASE**

**WHEN hospital\_hypertension = '1' THEN 'yes'**

**WHEN hospital\_hypertension = '0' THEN 'no'**

**ELSE hospital\_hypertension**

**END;**

**ALTER TABLE Hospitalization\_Labor**

**ALTER COLUMN preeclampsia\_record\_pregnancy SET DATA TYPE VARCHAR(255);**

**UPDATE Hospitalization\_Labor**

**SET preeclampsia\_record\_pregnancy = CASE**

**WHEN preeclampsia\_record\_pregnancy = '1' THEN 'yes'**

**WHEN preeclampsia\_record\_pregnancy = '0' THEN 'no'**

**ELSE preeclampsia\_record\_pregnancy**

**END;**

**ALTER TABLE Hospitalization\_Labor**

**RENAME COLUMN mothers\_hospital\_stay TO mothers\_hospital\_stay\_days;**