total Vaccines Given =

COUNTROWS(

    FILTER(

        Data,

        Data[Status] = "Given"

    )

)

-------------------------------------------

Immunized Children =

SUMX(

    VALUES('Data'[STATE]),

    SUM('Data'[BCG]) +

    SUM('Data'[DPT\_3]) +

    SUM('Data'[MEAS\_1])

)

Measles Coverage % =

DIVIDE(

SUM('Data'[MEAS\_1]),

SUM('Data'[POPULATION]),

0

) \* 100

BCG Coverage % =

DIVIDE(

SUM('Data'[BCG]),

SUM('Data'[POPULATION]),

0

) \* 100

Total Population = SUM('Data'[POPULATION])

Fully Immunized (9-11M) = SUM('Data'[T\_FI\_9\_11])

Immunized Children =

SUMX(

VALUES('Data'[STATE]),

SUM('Data'[BCG]) +

SUM('Data'[DPT\_3]) +

SUM('Data'[MEAS\_1])

)

**Summary dax table**

Data\_Summary =

SUMMARIZECOLUMNS(

'Data'[STATE],

"PENTA", SUM('Data'[PENTA\_1]) + SUM('Data'[PENTA\_2]) + SUM('Data'[PENTA\_3]),

"OPV", SUM('Data'[OPV\_0]) + SUM('Data'[OPV\_1]) + SUM('Data'[OPV\_2]) + SUM('Data'[OPV\_3]) + SUM('Data'[OPV\_B]),

"MEAS", SUM('Data'[MEAS\_1]) + SUM('Data'[MEAS\_2]),

"DPT", SUM('Data'[DPT\_1]) + SUM('Data'[DPT\_2]) + SUM('Data'[DPT\_3]) + SUM('Data'[DPT\_1B]),

"HEPA", SUM('Data'[HEP\_B0]) + SUM('Data'[HEP\_B1]) + SUM('Data'[HEP\_B2]) + SUM('Data'[HEP\_B3])

)

StateVaccineSummary =

SUMMARIZE(

Data,

Data[State],

Data[IMR],

"Total Children",

DISTINCTCOUNT(Data[BCG]),

"LOW",

CALCULATE(

COUNTROWS(Data),

Data[FS] = "NHF"

),

"HIGH",

CALCULATE(

COUNTROWS(Data),

Data[FS] = "HF"

),

"Coverage%",

DIVIDE(

CALCULATE(

COUNTROWS(Data),

Data[IMR] = "LOW"

),

CALCULATE(

COUNTROWS(Data),

Data[FS] IN {"HF", "NHF"}

),

0

)

)

Vaccine\_Summary =

VAR VaccineList =

DATATABLE (

"Code", STRING,

"VaccineName", STRING,

{

{ "BCG", "BCG" },

{ "DPT\_1", "DPT 1" },

{ "OPV\_0", "OPV 0" }

}

)

RETURN

ADDCOLUMNS (

GENERATE (

SUMMARIZE ( Data, Data[STATE], Data[IS\_H] ),

VaccineList

),

"VaccineCode", [Code],

"VaccineName", [VaccineName],

"TotalDose",

SWITCH (

[Code],

"BCG", CALCULATE ( SUM ( Data[BCG] ) ),

"DPT\_1", CALCULATE ( SUM ( Data[DPT\_1] ) ),

"OPV\_0", CALCULATE ( SUM ( Data[OPV\_0] ) )

)

)

DPT\_Dropout % =

DIVIDE (

SUM ( Data[DPT\_1] ) - SUM ( Data[DPT\_3] ),

SUM ( Data[DPT\_1] )

) \* 100

FIC % =

DIVIDE (

SUM ( Data[MEAS\_1] ), -- proxy: children reaching Measles 1

SUM ( Data[POPULATION] )

) \* 100

Penta1\_Coverage % =

DIVIDE ( SUM ( Data[PENTA\_1] ), SUM ( Data[POPULATION] ) ) \* 100

HF\_Coverage % =

CALCULATE (

DIVIDE ( SUM ( Data[PENTA\_3] ), SUM ( Data[POPULATION] ) ) \* 100,

Data[IS\_H] = "HF"

)

Coverage % =

DIVIDE (

[Total Immunised],

SUM ( Data[POPULATION] ),

0

)

**For key insights**

Coverage % =

DIVIDE ( SUM(Immunisation[Total Immunised]), SUM(Immunisation[Population]) )

DPT Dropout % =

DIVIDE ( SUM(Immunisation[DPT\_1]) - SUM(Immunisation[DPT\_3]),

SUM(Immunisation[DPT\_1]) )

Penta Dropout % =

DIVIDE ( SUM(Immunisation[PENTA\_1]) - SUM(Immunisation[PENTA\_3]),

SUM(Immunisation[PENTA\_1]) )

FI % =

DIVIDE ( SUM(Immunisation[T\_FI\_9\_11]), SUM(Immunisation[Population]) )

Gender Gap % =

DIVIDE ( SUM(Immunisation[M\_FI\_9\_11]) - SUM(Immunisation[F\_FI\_9\_11]),

SUM(Immunisation[T\_FI\_9\_11]) )