-- Step 1: Classify each activity as PCP or Specialist

WITH activity\_PCP\_or\_specialist AS (

SELECT

a.\*,

CASE

WHEN a.PROVIDER\_RENDERING\_SPECIALTY\_CD IN ('08','11','37','38','16')

THEN 'PCP'

ELSE 'Specialist'

END AS provider\_type

FROM PROD\_A3632\_FE.INSIGHTS.ACTIVITY a

WHERE a.activity\_from\_dt BETWEEN DATE '2025-01-01' AND DATE '2025-03-31'

),

-- Step 2: Aggregate counts at the patient level

patient\_provider\_summary AS (

SELECT

pxm.FK\_PATIENT\_ID,

pxm.AT\_TIME\_PRIMARY\_PROV\_NH,PROD\_A3632\_FE.INSIGHTS.TIN

pxm.AT\_TIME\_TIN\_FAC\_NH,

pxm.ATTRIBUTION\_CURR\_PERIOD\_FLAG,

pxm.ATTRIBUTION\_TYPE,

COUNT(DISTINCT CASE

WHEN a.provider\_type = 'PCP' THEN a.FK\_PROVIDER\_PRIMARY\_ID

END) AS PCPs\_seen,

COUNT(DISTINCT CASE

WHEN a.provider\_type = 'PCP' THEN a.CLAIM\_PK

END) AS PCP\_claims,

COUNT(DISTINCT CASE

WHEN a.provider\_type = 'Specialist' THEN a.FK\_PROVIDER\_PRIMARY\_ID

END) AS specialists\_seen,

COUNT(DISTINCT CASE

WHEN a.provider\_type = 'Specialist' THEN a.CLAIM\_PK

END) AS specialist\_claims

FROM activity\_PCP\_or\_specialist a

LEFT JOIN PROD\_A3632\_FE.INSIGHTS.PATIENT\_X\_MONTH pxm

ON pxm.FK\_PATIENT\_ID = a.FK\_PATIENT\_ID

AND a.ACTIVITY\_FROM\_MONTH\_CD = pxm.MONTH\_CD

GROUP BY

pxm.FK\_PATIENT\_ID,

pxm.AT\_TIME\_PRIMARY\_PROV\_NH,

pxm.AT\_TIME\_TIN\_FAC\_NH,

pxm.ATTRIBUTION\_CURR\_PERIOD\_FLAG,

pxm.ATTRIBUTION\_TYPE

)

-- Step 3: Average patient-level counts by attribution group

SELECT

AT\_TIME\_PRIMARY\_PROV\_NH as attributed\_provider,

prov.name as provider\_name,

AT\_TIME\_TIN\_FAC\_NH as provider\_tin,

tin\_name,

AVG(PCPs\_seen) AS avg\_PCPs\_seen,

AVG(PCP\_claims) AS avg\_PCP\_claims,

AVG(specialists\_seen) AS avg\_specialists\_seen,

AVG(specialist\_claims) AS avg\_specialist\_claims

FROM patient\_provider\_summary

left join PROD\_A3632\_FE.INSIGHTS.PROVIDER prov on prov.PK\_PROVIDER\_ID = attributed\_provider

left join PROD\_A3632\_FE.INSIGHTS.TIN on tin.PK\_TIN\_ID = provider\_TIN

WHERE ATTRIBUTION\_CURR\_PERIOD\_FLAG = 'TRUE'

AND ATTRIBUTION\_TYPE = 'as\_was'

GROUP BY

AT\_TIME\_PRIMARY\_PROV\_NH,

AT\_TIME\_TIN\_FAC\_NH;