--select \* from

--PROD\_CURATED\_MDM.CURATED\_MARKETPLACE.SV\_PROVIDER\_MEASURE\_PROVIDER\_VOLUME limit 5

-- 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','01')

THEN 'PCP'

ELSE 'Specialist'

END AS provider\_type

FROM PROD\_A3632\_FE.INSIGHTS.ACTIVITY a

left join PROD\_CURATED\_MDM.CURATED\_MARKETPLACE.SV\_PROVIDER\_MEASURE\_PROVIDER\_VOLUME spec

On 'npi\_num|'||spec.provider\_id = AT\_TIME\_PRIMARY\_PROV\_NH

WHERE a.activity\_from\_dt BETWEEN DATE '2024-01-01' AND DATE '2024-12-31'

and claim\_type\_cd in ('71','72')

and spec.provider\_specialty\_nm in (

'Family Practice',

'Internal Medicine',

'Obstetrics/Gynecology',

'Family Practice',

'General Practice'

)

and procedure\_hcpcs\_cd in ('96202',

'96203',

'97550',

'97551',

'97552',

'98016',

'99201',

'99202',

'99203',

'99204',

'99205',

'99211',

'99212',

'99213',

'99214',

'99215',

'99304',

'99305',

'99306',

'99307',

'99308',

'99309',

'99310',

'99315',

'99316',

'99318',

'99324',

'99325',

'99326',

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'99354',

'99355',

'99484',

'99487',

'99489',

'99490',

'99491',

'99492',

'99493',

'99494',

'99495',

'99496',

'99497',

'99498',

'96160',

'96161',

'99406',

'99407',

'99421',

'99422',

'99423',

'99424',

'99425',

'99426',

'99427',

'99437',

'99439',

'99441',

'99442',

'99443',

'99452',

'99483',

'G0019',

'G0022',

'G0023',

'G0024',

'G0101',

'G0136',

'G0317',

'G0318',

'G0402',

'G0438',

'G0439',

'G0442',

'G0443',

'G0444',

'G0506',

'G0537',

'G0538',

'G0539',

'G0540',

'G0541',

'G0542',

'G0543',

'G0544',

'G0556',

'G0557',

'G0558',

'G0560',

'G2010',

'G2012',

'G2058',

'G2064',

'G2065',

'G2086',

'G2087',

'G2088',

'G2211',

'G2212',

'G2214',

'G2252',

'G3002',

'G3003'

)

),

-- Step 2: Aggregate counts at the patient level

patient\_provider\_summary AS (

SELECT

pxm.FK\_PATIENT\_ID,

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

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

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

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

AND pxm.ATTRIBUTION\_TYPE = 'as\_was'

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 provider-level stats

SELECT

pps.AT\_TIME\_PRIMARY\_PROV\_NH AS attributed\_provider,

spec.RENDERING\_PRACTITIONER\_NM as attributed\_provider\_name,

spec.PRACTITIONER\_SPECIALTY\_NM as specialty,

pps.AT\_TIME\_TIN\_FAC\_NH AS provider\_tin,

tin.NAME AS tin\_name,

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

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

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

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

FROM patient\_provider\_summary pps

LEFT JOIN PROD\_A3632\_FE.INSIGHTS.PROVIDER prov

ON prov.PK\_PROVIDER\_ID = pps.AT\_TIME\_PRIMARY\_PROV\_NH

LEFT JOIN PROD\_A3632\_FE.INSIGHTS.TIN tin

ON 'tin|'||tin.PK\_TIN\_ID = pps.AT\_TIME\_TIN\_FAC\_NH

left join PROD\_CURATED\_MDM.CURATED\_MARKETPLACE.SV\_PROVIDER\_MEASURE\_PROVIDER\_VOLUME spec

On 'npi\_num|'||spec.provider\_id = attributed\_provider

GROUP BY

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

spec.PROVIDER\_FULL\_NM,

spec.PROVIDER\_SPECIALTY\_NM,

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

tin.NAME;