**CO05:** Breakout of condition by gender, age

Returns the distribution of condition breakouts per gender and age.

**Sample query:**

SELECT

concept\_name AS gender,

age,

gender\_age\_freq

FROM (

SELECT

gender\_concept\_id,

age,

COUNT(1) gender\_age\_freq

FROM (

SELECT

year\_of\_birth,

month\_of\_birth,

day\_of\_birth,

gender\_concept\_id,

condition\_start\_date,

DATEDIFF(years, CONVERT(DateTime, year\_of\_birth||'-01-01'), condition\_start\_date) AS age

FROM (

SELECT

person\_id,

condition\_start\_date

FROM condition\_occurrence

WHERE

condition\_concept\_id = 31967 AND

person\_id IS NOT NULL

) AS from\_cond

LEFT JOIN person as from\_person ON from\_cond.person\_id=from\_person.person\_id ) AS gender\_count

GROUP BY

gender\_concept\_id,

age

ORDER BY gender\_age\_freq

) AS gender\_id\_age\_count

LEFT JOIN concept as concept\_list ON gender\_id\_age\_count.gender\_concept\_id=concept\_list.concept\_id

ORDER BY gender\_age\_freq DESC;

**Input:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Example** | **Mandatory** | **Notes** |
| condition\_concept\_id | 31967 | Yes | Condition concept ID for 'Nausea' |

**Output:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| gender | A person's gender |
| age | A person's age in years |
| gender\_age\_freq | The frequency of a condition breakout for person gender at a certain age. |

**Sample output record:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| gender | Female |
| age | 50 |
| gender\_age\_freq | 3136 |