**OP15:** Counts of age, stratified by gender

This query is used to count the age across all observation records stratified by gender (gender\_concept\_id). The age value is defined by the earliest observation date. Age is summarized for all existing gender\_concept\_id values.

**Sample query:**

SELECT age,

gender,

count(\*) AS num\_people

FROM

(

SELECT person\_id,

NVL( concept\_name, 'MISSING' ) AS gender,

extract( YEAR FROM first\_observation\_date ) - year\_of\_birth AS age

FROM

(

SELECT person\_id,

min( observation\_period\_start\_date ) AS first\_observation\_date

FROM

observation\_period

GROUP BY person\_id

)

JOIN

person USING( person\_id )

LEFT OUTER JOIN

concept

ON concept\_id = gender\_concept\_id

WHERE

extract( YEAR FROM first\_observation\_date ) - year\_of\_birth >= 0

)

GROUP BY age,

gender

ORDER BY age,

gender

**Input:**

None

**Output:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| age | Age across within observation |
| gender | Gender concept name stratification |
| num\_people | Number of person within group |

**Sample output record:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| age | 1 |
| gender | MALE |
| num\_people | 22501 |