CE03: Min/max, average length of condition stratified by age/gender

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| **Input:**   |  |  |  |  | | --- | --- | --- | --- | | **Parameter** | **Example** | **Mandatory** | **Notes** | | concept\_name | OMOP Hip Fracture 1 | Yes | concept\_id=500000601 |   **Sample query run:** The following is a sample run of the query. The input parameters are highlighted in **blue**  SELECT  gender,  CASE  WHEN age\_grp = 0 THEN '0-9'  WHEN age\_grp = 1 THEN '10-19'  WHEN age\_grp = 2 THEN '20-29'  WHEN age\_grp = 3 THEN '30-39'  WHEN age\_grp = 4 THEN '40-49'  WHEN age\_grp = 5 THEN '50-59'  WHEN age\_grp = 6 THEN '60-69'  WHEN age\_grp = 7 THEN '70-79'  WHEN age\_grp = 8 THEN '80-89'  WHEN age\_grp = 9 THEN '90-99'  WHEN age\_grp > 9 THEN '100+'  END age\_grp,  count(\*) AS num\_patients,  min( duration ) AS min\_duration\_count,  max( duration ) AS max\_duration\_count,  avg( duration ) AS avg\_duration\_count  FROM -- patient with hip fracture, age, gender  (  SELECT DISTINCT  condition.person\_id ,  gender.concept\_name As gender ,  EXTRACT( YEAR FROM condition\_era\_start\_date ) - year\_of\_birth AS age,  condition\_era\_end\_date - condition\_era\_start\_date + 1 AS duration,  (EXTRACT( YEAR FROM condition\_era\_start\_date) - person.year\_of\_birth)/10 AS age\_grp  FROM condition\_era condition  JOIN -- definition of Hip Fracture  (  SELECT DISTINCT descendant\_concept\_id  FROM relationship  JOIN concept\_relationship rel USING( relationship\_id )  JOIN concept concept1 ON concept1.concept\_id = concept\_id\_1  JOIN concept\_ancestor ON ancestor\_concept\_id = concept\_id\_2  WHERE  relationship\_name = 'HOI contains SNOMED (OMOP)' AND  concept1.concept\_name = **'OMOP Hip Fracture 1'** AND  SYSDATE BETWEEN rel.valid\_start\_date and rel.valid\_end\_date  ) ON descendant\_concept\_id = condition\_concept\_id  JOIN person ON person.person\_id = condition.person\_id  JOIN concept gender ON gender.concept\_id = gender\_concept\_id  ) t1  GROUP BY  gender,  age\_grp,  age  ORDER BY age\_grp, gender  **Output:** Output field list:   |  |  | | --- | --- | | **Field** | **Description** | | gender | Patient gender name. i.e. MALE, FEMALE... | | age\_grp | Age group in increments of 10 years | | num\_patients | Number of patients withing gender and age group with associated condition | | min\_duration | Minimum duration of condition in days | | max\_duration | Maximum duration of condition in days | | avg\_duration | Average duration of condition in days |   Sample output record:   |  |  | | --- | --- | | **Field** | **Description** | | gender | FEMALE | | age\_grp | 10-19 | | num\_patients | 518 | | min\_duration | 1 | | max\_duration | 130 | | avg\_duration | 8 | |