CE01: Min/max/average length of condition

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| Compute minimum, maximum an average length of the medical condition.  **Input:**   |  |  |  |  | | --- | --- | --- | --- | | **Parameter** | **Example** | **Mandatory** | **Notes** | |  |  |  |  | |  |  |  |  |   **Sample query run:** The following is a sample run of the query. The input parameters are highlighted in **blue**  SELECT  treatment,  count(\*),  min( condition\_days ) AS min ,  max( condition\_days ) AS max,  avg( condition\_days ) As avg\_condition\_days  FROM (  SELECT  CASE WHEN surgery = 1 THEN 'surgery'  WHEN drug = 1 AND pt = 1 THEN 'PT Rx'  WHEN drug = 1 THEN 'Rx Only' ELSE 'No Treatment'  END AS treatment ,  condition\_days  FROM (  SELECT  person\_id,  diag\_date ,  max( drug ) AS drug,  max( surgery ) AS surgery,  max( pt ) AS PT ,  max( condition\_days ) AS condition\_days  FROM /\* back pain and treatments over following 60 days \*/ (  SELECT  era.person\_id,  condition\_era\_start\_date AS diag\_date ,  condition\_era\_end\_date - condition\_era\_start\_date AS condition\_days,  NVL( drug, 0 ) AS drug,  NVL( surgery, 0 ) AS surgery ,  NVL( pt, 0 ) AS pt  FROM condition\_era era  JOIN /\* SNOMed codes for back pain \*/ (  SELECT DISTINCT descendant\_concept\_id, concept\_name  FROM source\_to\_concept\_map map  JOIN concept\_ancestor ON ancestor\_concept\_id = target\_concept\_id  JOIN concept ON concept\_id = descendant\_concept\_id  WHERE  source\_code like '724%' AND  source\_vocabulary\_id = 2 /\* ICD9 \*/ AND  target\_vocabulary\_id = 1 /\* SNOMed \*/ AND  sysdate BETWEEN map.valid\_start\_date AND  map.valid\_end\_date  ) ON descendant\_concept\_id = condition\_concept\_id  LEFT OUTER JOIN /\* surgery \*/ (  SELECT  person\_id,  procedure\_date,  1 AS surgery  FROM procedure\_occurrence proc  JOIN concept ON concept\_id = procedure\_concept\_id  WHERE vocabulary\_id = 4 /\* CPT-4 \*/ AND  concept\_code IN( '22851','20936','22612','22523','22630','22614',  '22842','22632','20930','22524','27130','22525' )  ) surgery ON  surgery.person\_id = era.person\_id AND  surgery.procedure\_date BETWEEN condition\_era\_start\_date AND condition\_era\_start\_date + 60  LEFT OUTER JOIN /\* drugs \*/ (  SELECT  person\_id,  procedure\_date AS drug\_date,  1 AS drug  FROM procedure\_occurrence proc  JOIN concept ON concept\_id = procedure\_concept\_id  WHERE  vocabulary\_id = 4 /\* CPT-4 \*/ AND  concept\_code IN( '20610','20552','207096','20553','20550','20605' ,'20551','20600','23350' )  UNION SELECT  person\_id,  drug\_era\_start\_date,  1  FROM drug\_era  WHERE drug\_concept\_id IN( 1125315, 778711, 1115008, 1177480, 1112807, 1506270 )  ) drug ON  drug.person\_id = era.person\_id AND  drug.drug\_date BETWEEN condition\_era\_start\_date AND condition\_era\_start\_date + 60  LEFT OUTER JOIN /\* pt \*/ (  SELECT  person\_id,  procedure\_date AS pt\_date,  1 AS pt  FROM procedure\_occurrence proc  JOIN concept ON concept\_id = procedure\_concept\_id  WHERE vocabulary\_id = 4 /\* CPT-4 \*/ AND  concept\_code IN( '97001', '97140', '97002' )  UNION SELECT  person\_id,  procedure\_date AS pt\_date,  1 AS pt  FROM procedure\_occurrence proc  JOIN concept ON concept\_id = procedure\_concept\_id  WHERE  vocabulary\_id = 5 /\* HCPCS \*/ AND  concept\_code = 'G0283'  ) pt ON  pt.person\_id = era.person\_id AND  pt.pt\_date BETWEEN condition\_era\_start\_date AND  condition\_era\_start\_date + 60  )  WHERE diag\_date > '01-jan-2011'  GROUP by  person\_id,  diag\_date  ORDER BY  person\_id,  diag\_date  )  )  GROUP BY treatment  ORDER BY treatment;  **Output:** Output field list:   |  |  | | --- | --- | | **Field** | **Description** | | treatment |  | | count |  | | min |  | | max |  | | avg\_condition\_days |  |   Sample output record:   |  |  | | --- | --- | | **Field** | **Description** | | treatment |  | | count |  | | min |  | | max |  | | avg\_condition\_days |  | |