COC10: Lenght of condition as function of treatment

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| **Input:**   |  |  |  |  | | --- | --- | --- | --- | | **Parameter** | **Example** | **Mandatory** | **Notes** | | concept\_code | '22851','20936','22612','22523','22630','22614','22842' , '22632', '20930','22524','27130','22525' | Yes |  | | concept\_code | 20610','20552','207096','20553','20550','20605' | Yes |  | | drug\_concept\_id | 1125315, 778711, 115008, 1177480, 1112807, 1506270 | Yes |  | | concept\_code | '97001', '97140', '97002' | Yes |  | | concept\_code | G0283 | Yes |  |   **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 = 'ICD9CM' AND  target\_vocabulary\_id = 'SNOMED' AND  sysdate BETWEEN map.valid\_start\_date AND map.valid\_end\_date  ) ON descendant\_concept\_id = condition\_concept\_id  LEFT OUTER JOIN (  SELECT  person\_id,  procedure\_date,  1 AS surgery  FROM procedure\_occurrence proc  JOIN concept ON concept\_id = procedure\_concept\_id  WHERE  vocabulary\_id = 'CPT4' 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 (  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 = 'CPT4' 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 (  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 = 'CPT4' 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 = '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 |  | |