COC11: Given a condition, what treatment did patient receive

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| **Input:**   |  |  |  |  | | --- | --- | --- | --- | | **Parameter** | **Example** | **Mandatory** | **Notes** | | concept\_code | '22851', '20936', '22612', '22523', '22630', '22614', '22842' , '22632', '20930', '22524', '27130', '22525' | Yes |  |   **Sample query run:** The following is a sample run of the query. The input parameters are highlighted in **blue**  SELECT treatment, count(\*)  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  FROM  (  SELECT person\_id, diag\_date  , max( drug ) AS drug, max( surgery ) AS surgery, max( pt ) AS PT  FROM /\* back pain and treatments over following 60 days \*/  (  SELECT era.person\_id, condition\_era\_start\_date AS diag\_date  , 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 ca.descendant\_concept\_id  FROM concept\_ancestor ca JOIN  ( SELECT cr.concept\_id\_2 AS target\_concept\_id  FROM concept\_relationship cr  JOIN concept c1 ON cr.concept\_id\_1 = c1.concept\_id  JOIN concept c2 ON cr.concept\_id\_2 = c2.concept\_id  JOIN vocabulary v1 ON c1.vocabulary\_id = v1.vocabulary\_id  JOIN vocabulary v2 ON c2.vocabulary\_id = v2.vocabulary\_id  WHERE cr.relationship\_id = 'Maps to'  AND c1.concept\_code like '724%'  AND c2.standard\_concept = 'S'  AND v1.vocabulary\_id = 'ICD9CM'  AND v2.vocabulary\_id = 'SNOMED'  AND sysdate BETWEEN cr.valid\_start\_date AND cr.valid\_end\_date  ) t ON ca.ancestor\_concept\_id = t.target\_concept\_id    ) 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 = 'CPT4' /\* 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 = 'CPT4' /\* 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 = 'CPT4' /\* 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 = 'HCPCS' /\* 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 > '2011-01-01'  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 |  |   Sample output record:   |  |  | | --- | --- | | **Field** | **Description** | | treatment |  | | count |  | |