COC02: Determines length of course of therapy for a condition

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Input:**   |  |  |  |  | | --- | --- | --- | --- | | **Parameter** | **Example** | **Mandatory** | **Notes** | | condition\_concept\_id | 500000201 | Yes | SNOMed codes for OMOP Aplastic Anemia 1 |   **Sample query run:** The following is a sample run of the query. The input parameters are highlighted in **blue**  SELECT ingredient\_name,  ingredient\_concept\_id,  count(\*) AS num\_patients,  min( length\_of\_therapy ) AS min\_length\_of\_therapy\_count,  max( length\_of\_therapy ) AS max\_length\_of\_therapy\_count,  avg( length\_of\_therapy ) AS average\_length\_of\_therapy\_count  FROM  (  SELECT condition.person\_id,  condition\_start\_date,  drug\_era\_start\_date,  drug\_era\_end\_date - drug\_era\_start\_date + 1 AS length\_of\_therapy,  ingredient\_name,  ingredient\_concept\_id  FROM  (  SELECT era.person\_id,  condition\_era\_start\_date AS condition\_start\_date  FROM condition\_era era  JOIN observation\_period AS obs  ON obs.person\_id = era.person\_id  AND condition\_era\_start\_date BETWEEN observation\_period\_start\_date + 180  AND observation\_period\_end\_date - 180  WHERE  condition\_concept\_id IN ( **137829,138723,140065,140681,4031699,4098027,4098028, 4098145,4098760,4100998,4101582,4101583,4120453,4125496, 4125497,4125498,4125499,4146086,4146087,4146088,4148471, 4177177,4184200,4184758,4186108,4187773,4188208,4211348, 4211695,4225810,4228194,4234973,4298690,4345236** )  ) condition  JOIN drug\_era rx  ON rx.person\_id = condition.person\_id  AND rx.drug\_era\_start\_date BETWEEN condition\_start\_date AND condition\_start\_date + 30  JOIN  (  SELECT DISTINCT ingredient.concept\_id as ingredient\_concept\_id,  ingredient.concept\_name as ingredient\_name  FROM concept\_ancestor ancestor  JOIN concept indication  ON ancestor.ancestor\_concept\_id = indication.concept\_id  JOIN concept ingredient  ON ingredient.concept\_id = ancestor.descendant\_concept\_id  WHERE  lower( indication.concept\_name ) like( '%anemia%' )  AND indication.vocabulary\_id = 'Indication'  AND ingredient.vocabulary\_id = 'RxNorm'  AND sysdate BETWEEN indication.valid\_start\_date AND indication.valid\_end\_date  AND sysdate BETWEEN ingredient.valid\_start\_date AND ingredient.valid\_end\_date  )  ON ingredient\_concept\_id = drug\_concept\_id  )  GROUP BY ingredient\_name,  ingredient\_concept\_id  ORDER BY num\_patients DESC;**Output:** Output field list:   |  |  | | --- | --- | | **Field** | **Description** | | ingredient\_name |  | | ingredient\_concept\_id |  | | count |  |   Sample output record:   |  |  | | --- | --- | | **Field** | **Description** | | ingredient\_name |  | | ingredient\_concept\_id |  | | count |  | |