DEX20: How many people taking a drug for a given indicaton actually have that disease in their record prior to exposure?

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| **Input:**   |  |  |  |  | | --- | --- | --- | --- | | **Parameter** | **Example** | **Mandatory** | **Notes** | | concept\_name | Acute Tuberculosis | Yes |  |   **Sample query run:** The following is a sample run of the query. The input parameters are highlighted in **blue**  SELECT  count(\*) AS treated  FROM /\* person and tuberculosis treatment start date \*/  (  SELECT  person\_id,  min( drug\_exposure\_start\_date ) AS treatment\_start  FROM drug\_exposure  JOIN /\*indication and associated drug ids \*/  ( SELECT  indication.concept\_name,  drug.concept\_id  --, indication.domain\_id, drug.concept\_id  FROM concept indication  JOIN concept\_ancestor ON ancestor\_concept\_id = indication.concept\_id  JOIN vocabulary indication\_vocab ON indication\_vocab.vocabulary\_id = indication.vocabulary\_id  JOIN concept drug ON drug.concept\_id = descendant\_concept\_id  JOIN vocabulary drug\_vocab ON drug\_vocab.vocabulary\_id = drug.vocabulary\_id  WHERE  indication\_vocab.vocabulary\_name = 'Indications and Contraindications (FDB)'  AND indication.domain\_id = 'Drug'  AND indication.concept\_name = **'Active Tuberculosis'**  AND drug\_vocab.vocabulary\_name = **'RxNorm (NLM)**'  AND drug.standard\_concept = 'S'  AND sysdate BETWEEN drug.valid\_start\_date AND drug.valid\_end\_date )  ON concept\_id = drug\_concept\_id GROUP BY person\_id ) treated  LEFT OUTER JOIN /\*patient with Acute Tuberculosis diagnosis \*/  ( SELECT  person\_id, min( condition\_start\_date ) first\_diagnosis, 1 AS diagnosed  FROM condition\_occurrence  JOIN source\_to\_concept\_map ON target\_concept\_id = condition\_concept\_id  JOIN vocabulary ON vocabulary\_id = source\_vocabulary\_id  WHERE source\_code like '011.%'  AND vocabulary\_id ='ICD9CM'  GROUP BY person\_id  ) diagnosed  **Output:** Output field list:   |  |  | | --- | --- | | **Field** | **Description** | | count |  |   Sample output record:   |  |  | | --- | --- | | **Field** | **Description** | | count |  | |