DEX14: Among people who take drug A, how many take drug B at the same time?

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| **Input:**   |  |  |  |  | | --- | --- | --- | --- | | **Parameter** | **Example** | **Mandatory** | **Notes** | | concept\_id | 21502747 | Yes | Statins | | ancestor\_concept\_id | 21500223 | Yes | Antihypertensive Therapy Agents |   **Sample query run:** The following is a sample run of the query. The input parameters are highlighted in **blue**  SELECT count(\*) AS num\_A\_users , SUM( bp\_also ) AS num\_also\_using\_B  FROM /\* people taking statin and possible taking antihypertensive agent \*/  ( SELECT statin.person\_id, MAX( NVL( bp, 0 ) ) AS bp\_also  FROM /\*people taking statin \*/  ( SELECT person\_id, drug\_exposure\_start\_date, drug\_exposure\_end\_date  FROM drug\_exposure statin  WHERE drug\_concept\_id IN /\*statins\*/  ( SELECT concept\_id  FROM concept  JOIN concept\_ancestor ON descendant\_concept\_id = concept\_id  WHERE  ancestor\_concept\_id = **21502747**  AND standard\_concept = 'S'  AND sysdate BETWEEN valid\_start\_date AND valid\_end\_date ) ) statin  LEFT OUTER JOIN /\* people taking antihypertensive agent \*/  ( SELECT person\_id, drug\_exposure\_start\_date, drug\_exposure\_end\_date , 1 AS bp  FROM drug\_exposure  WHERE drug\_concept\_id IN /\*Antihypertensive Therapy Agents \*/  ( SELECT concept\_id  FROM concept  JOIN concept\_ancestor ON descendant\_concept\_id = concept\_id  WHERE  ancestor\_concept\_id = **21500223**  AND standard\_concept = 'S'  AND sysdate BETWEEN valid\_start\_date AND valid\_end\_date ) ) bp  ON bp.person\_id = statin.person\_id  AND bp.drug\_exposure\_start\_date < statin.drug\_exposure\_end\_date  AND bp.drug\_exposure\_end\_date > statin.drug\_exposure\_start\_date  GROUP BY statin.person\_id );    **Output:** Output field list:   |  |  | | --- | --- | | **Field** | **Description** | | concept\_name | An unambiguous, meaningful and descriptive name for the concept. | | person\_id | A foreign key identifier to the person for whom the observation period is defined. The demographic details of that person are stored in the person table. | | ancestor\_concept\_id | A foreign key to the concept code in the concept table for the higher-level concept that forms the ancestor in the relationship. | | drug\_exposure\_start\_date | The start date for the current instance of drug utilization. Valid entries include a start date of a prescription, the date a prescription was filled, or the date on which a drug administration procedure was recorded. | | drug\_exposure\_end\_date | The end date for the current instance of drug utilization. It is not available from all sources. |   Sample output record:   |  |  | | --- | --- | | **Field** | **Description** | | concept\_name |  | | person\_id |  | | ancestor\_concept\_id |  | | drug\_exposure\_start\_date |  | | drug\_exposure\_end\_date |  | |