DEX07: Maximum number of drug exposure events per person over some time period

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| This query is to determine the maximum number of drug exposures that is recorded for a patient during a certain time period. If the time period is omitted, the entire time span of the database is considered. Instead of maximum, the query can be easily changed to obtained the average or the median number of drug records for all patients. See [vocabulary queries](http://vocabqueries.omop.org/drug-queries) for obtaining valid drug\_concept\_id values.  **Input:**   |  |  |  |  | | --- | --- | --- | --- | | **Parameter** | **Example** | **Mandatory** | **Notes** | | date from | 01-Jan-2008 | Yes |  | | date to | 31-Dec-2008 | Yes |  |   **Sample query run:** The following is a sample run of the query. The input parameters are highlighted in **blue**.  select max(exposures ) as exposures\_count from  (SELECT  drug\_exposure.person\_id, COUNT(\*) exposures  FROM drug\_exposure JOIN person  ON drug\_exposure.person\_id = person.person\_id  WHERE  drug\_concept\_id in (select distinct concept\_id from concept  WHERE lower(domain\_id)='drug' and vocabulary\_id='RxNorm' and standard\_concept='S')  AND drug\_exposure\_start\_date BETWEEN **'2017-01-01'** AND **'2017-12-31'**  GROUP BY drug\_exposure.person\_id);  **Output:** Output field list:   |  |  | | --- | --- | | **Field** | **Description** | | exposures\_count | The number of drug exposure records for the patient with the maximum number of such records. |   Sample output record:   |  |  | | --- | --- | | **Field** | **Description** | | exposures\_count | 1137 | |