DEX02: Counts of persons taking a drug, by age, gender, and year of exposure

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| This query is used to count the persons with exposure to a certain drug (drug\_concept\_id), grouped by age, gender, and year of exposure. The input to the query is a value (or a comma-separated list of values) of a drug\_concept\_id. See [vocabulary queries](http://vocabqueries.omop.org/drug-queries) for obtaining valid drug\_concept\_id values. If the input is omitted, all drugs in the data table are summarized.  **Input:**   |  |  |  |  | | --- | --- | --- | --- | | **Parameter** | **Example** | **Mandatory** | **Notes** | | list of drug\_concept\_id | 40165254, 40165258 | No | Crestor 20 and 40 mg tablets |   **Sample query run:** The following is a sample run of the query. The input parameters are highlighted in **blue**.  select drug.concept\_name,  EXTRACT( YEAR FROM drug\_exposure\_start\_date ) as year\_of\_exposure,  EXTRACT( YEAR FROM drug\_exposure\_start\_date ) - year\_of\_birth as age ,  gender.concept\_name as gender,  count(1) as num\_persons  From  drug\_exposure JOINperson USING( person\_id )  join concept drug ON drug.concept\_id = drug\_concept\_id  JOINconcept gender ON gender.concept\_id = gender\_concept\_id  where drug\_concept\_id IN ( **40165254**, **40165258** )  GROUP by drug.concept\_name, gender.concept\_name, EXTRACT( YEAR FROM drug\_exposure\_start\_date ),  EXTRACT( YEAR FROM drug\_exposure\_start\_date ) - year\_of\_birth  ORDER BY concept\_name, year\_of\_exposure, age, gender  **Output:** Output field list:   |  |  | | --- | --- | | **Field** | **Description** | | concept\_name | An unambiguous, meaningful and descriptive name for the concept. | | year\_of\_exposure |  | | age | The age of the person at the time of exposure | | gender | The gender of the person. | | num\_persons | The patient count |   Sample output record:   |  |  | | --- | --- | | **Field** | **Content** | | concept\_name | Rosuvastatin calcium 40 MG Oral Tablet [Crestor] | | year\_of\_exposure | 2010 | | age | 69 | | gender | Male | | num\_persons | 15 | |