**DER15:** Distribution of drug era records per person

This query is used to provide summary statistics for the number of drug era records (drug\_era\_id) for all persons: the mean, the standard deviation, the minimum, the 25th percentile, the median, the 75th percentile, the maximum and the number of missing values. There is no input required for this query.

**Sample query:**

with tt as

(

SELECT count(1) AS stat\_value

FROM drug\_era t

group by t.person\_id

)

SELECT

min(tt.stat\_value) AS min\_value ,

max(tt.stat\_value) AS max\_value ,

avg(tt.stat\_value) AS avg\_value ,

(round(stdDev(tt.stat\_value)) ) AS stdDev\_value,

(select distinct PERCENTILE\_DISC(0.25) WITHIN GROUP (ORDER BY tt.stat\_value) OVER() from tt) AS percentile\_25,

(select distinct PERCENTILE\_DISC(0.5) WITHIN GROUP (ORDER BY tt.stat\_value) OVER() from tt) AS median\_value,

(select distinct PERCENTILE\_DISC(0.75) WITHIN GROUP (ORDER BY tt.stat\_value) OVER() from tt) AS percential\_75

FROM tt;

**Input:**

None

**Output:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| Min\_value | Minimum number of drug era records for all persons |
| Max\_value | Maximum number of drug era records for all persons |
| Avg\_value | Average number of drug era records for all persons |
| Stdev\_value | Standard deviation of drug era record count across all drug era records |
| percentile\_25\_date | 25th percentile number of drug era record count for all persons |
| median\_date | Median number of drug era record for all persons |
| percentile\_75\_date | the 75th percentile number of drug era record for all persons |

**Sample output record:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| Min\_value | 1 |
| Max\_value | 1908 |
| Avg\_value | 23 |
| Stdev\_value | 47 |
| percentile\_25\_date | 3 |
| median\_date | 7 |
| percentile\_75\_date | 22 |