**DER13:** Distribution of number of distinct drugs persons take

This query is used to provide summary statistics for the number of number of different distinct drugs (drug\_concept\_id) of all exposed persons: the mean, the standard deviation, the minimum, the 25th percentile, the median, the 75th percentile, the maximum and the number of missing values. No input is required for this query.

**Sample query:**

with tt as (

SELECT

count(distinct t.drug\_concept\_id) AS stat\_value

FROM drug\_era t

where nvl(t.drug\_concept\_id, 0) > 0

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 distinct drugs persons take |
| Max\_value | Maximum number of distinct drugs persons take |
| Avg\_value | Average number of distinct drugs persons take |
| Stdev\_value | Standard deviation of drug era start date across all drug era records |
| percentile\_25\_date | 25th percentile number of distinct drugs persons take |
| median\_date | Median number of distinct drugs persons take |
| percentile\_75\_date | the 75th percentile number of distinct drugs persons take |

**Sample output record:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| Min\_value | 1 |
| Max\_value | 580 |
| Avg\_value | 12 |
| Stdev\_value | 17 |
| percentile\_25\_date | 3 |
| median\_date | 6 |
| percentile\_75\_date | 16 |