CE17: Distribution of condition occurrence count, stratified by condition and condition type

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| This query is used to provide summary statistics for condition occurrence count (condition\_occurrence\_count) across all condition era records stratified by condition (condition\_concept\_id) and condition type (condition\_type\_concept\_id, in CDM V2 condition\_occurrence\_type): the mean, the standard deviation, the minimum, the 25th percentile, the median, the 75th percentile, the maximum and the number of missing values. The input to the query is a value (or a comma-separated list of values) of a condition\_concept\_id and a condition\_type\_concept\_id. If the input is omitted, all existing value combinations are summarized.  **Input:**   |  |  |  |  | | --- | --- | --- | --- | | **Parameter** | **Example** | **Mandatory** | **Notes** | | condition\_concept\_id | 254761, 257011, 320128, 432867, 25297 | No |  | | condition\_type\_concept\_id |  | No |  |   **Sample query run:** The following is a sample run of the query. The input parameters are highlighted in **blue**  SELECT  condition\_concept\_id,  MIN( occurrences ) AS min ,  max( occurrences ) AS max,  avg( occurrences ) AS average ,  round( stdDev( occurrences ) ) AS stdDev,  percentile\_25,  median,  percentile\_75  FROM (  select  condition\_concept\_id,  occurrences,  PERCENTILE\_DISC(0.25) WITHIN GROUP (ORDER BY occurrences) over() AS percentile\_25,  PERCENTILE\_DISC(0.5) WITHIN GROUP (ORDER BY occurrences) over() AS median ,  PERCENTILE\_DISC(0.75) WITHIN GROUP (ORDER BY occurrences) over() AS percentile\_75  from (  select  person\_id,  condition\_concept\_id,  count(\*) AS occurrences  from condition\_era  WHERE condition\_concept\_id IN( **254761, 257011, 320128, 432867, 25297** )  group by  person\_id,  condition\_concept\_id  )  )  GROUP BY  condition\_concept\_id,  percentile\_25,  median,  percentile\_75  **Output:** Output field list:   |  |  | | --- | --- | | **Field** | **Description** | | condition\_concept\_id | A foreign key that refers to a standard condition concept identifier in the vocabulary. | | min |  | | max |  | | avg |  | | stdDev |  | | percentile\_25 |  | | median |  | | percential\_75 |  |   Sample output record:   |  |  | | --- | --- | | **Field** | **Description** | | condition\_concept\_id |  | | min |  | | max |  | | avg |  | | stdDev |  | | percentile\_25 |  | | median |  | | percential\_75 |  | |