OP02**:** Distribution of length of observation, in months, among first observation periods across the population

Count distribution of length of observation, in months, among first observation periods across the population.

**Sample query:**

SELECT DATEDIFF(month, observation\_period\_start\_date, observation\_period\_end\_date) as num\_months,

COUNT(distinct person\_id) AS num\_persons

FROM

(

SELECT person\_ID,

observation\_period\_START\_DATE,

observation\_period\_END\_DATE,

rank() OVER (PARTITION BY person\_ID ORDER BY observation\_period\_START\_DATE ASC) AS OP\_NUMBER

FROM

observation\_period

) AS OP1

WHERE

op\_number = 1

GROUP BY DATEDIFF(month,observation\_period\_START\_DATE, observation\_period\_END\_DATE)

ORDER BY DATEDIFF(month,observation\_period\_START\_DATE, observation\_period\_END\_DATE) ASC

**Input:**

None

**Output:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| num\_month | Number of month duration |
| num\_persons | Number of patients whose observation period with num\_month duration |

**Sample output record:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| num\_months | 1 |
| num\_persons | 4132770 |