**DER04:** What proportion of observation time is a person exposed to a given drug?

**Sample query:**

SELECT decode(o.totalObs, 0, 0, 100\*(e.totExposure\*1.0/o.totalObs\*1.0)) as proportion

FROM

(

SELECT SUM(r.drug\_era\_end\_date - r.drug\_era\_start\_date) AS totExposure,

r.person\_id

FROM drug\_era r

WHERE

r.person\_id = 9717995

AND r.drug\_concept\_id = 1549080

group by r.person\_id

) e,

(

SELECT sum(p.observation\_period\_end\_date - p.observation\_period\_start\_date) AS totalObs,

p.person\_id FROM observation\_period p

group by p.person\_id

) o

where

o.person\_id = e.person\_id

**Input:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Example** | **Mandatory** | **Notes** |
| drug\_concept\_id | 1549080 | Yes | Estrogens, Conjugated (USP) |

**Output:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| proportion | proportion of observation time is a person exposed to a given drug |

**Sample output record:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| proportion | 0.1 |