**DER05:** For a given indication, what proportion of patients take each indicated treatment?

**Sample query:**

SELECT tt.concept\_id, tt.concept\_name, 100\*(tt.cntPersons\*1.0/tt.total\*1.0) AS proportion FROM (

SELECT c.concept\_id, c.concept\_name, t.cntPersons, sum(cntPersons) over() AS total

FROM concept c,

(SELECT er.drug\_concept\_id, count(DISTINCT er.person\_id) AS cntPersons

FROM concept\_relationship cr,

concept\_ancestor ca,

drug\_era er

WHERE cr.concept\_id\_1 = ca.descendant\_concept\_id

and er.drug\_concept\_id = ca.ancestor\_concept\_id

and cr.concept\_id\_2 = 21001738--&era\_id -- &Indication\_id

-- allow only indication relationships

and cr.relationship\_id IN ('Has FDA-appr ind', 'Has off-label ind', 'May treat', 'May prevent', 'CI by', 'Is off-label ind of', 'Is FDA-appr ind of', 'May be treated by')

GROUP BY er.drug\_concept\_id, cr.concept\_id\_2

) t

WHERE t.drug\_concept\_id = c.concept\_id

) tt

**Input:**

|  |
| --- |
|  |
| **Parameter** | **Example** | **Mandatory** | **Notes** |
| concept\_id | 21001738 | Yes | Cold Symptoms |
| list of relationship\_id | 'Has FDA-appr ind', 'Has off-label ind', 'May treat', 'May prevent', 'CI by', 'Is off-label ind of', 'Is FDA-appr ind of', 'May be treated by' | Yes |  |

**Output:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| Concept\_id | Unique identifier for drug concept |
| Concept\_name | Standardized drug name |
| Proportion | Drug that proportion of patients take |

**Sample output record:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| Concept\_id | 1126658 |
| Concept\_name | Hydromorphone |
| Proportion | 0.63270536909000900 |