**G17:** Statistics about Drugs Mapping of Source Vocabularies

The following query contains the coverage for mapped source vocabularies in the Drug domains to RxNorm.

**Sample query:**

SELECT

mapped.vocabulary\_id,

mapped.vocabulary\_name,

CASE mapped.standard\_concept

WHEN null THEN 'Not mapped'

ELSE mapped.standard\_concept

END AS standard\_concept,

mapped.mapped\_codes,

sum(mapped.mapped\_codes) over (partition by vocabulary\_id) as total\_mapped\_codes,

to\_char(mapped.mapped\_codes\*100/sum(mapped.mapped\_codes) over (partition by vocabulary\_id), '990.9') AS pct\_mapped\_codes,

mapped.mapped\_concepts,

(SELECT count(1)

FROM concept

WHERE

vocabulary\_id='RxNorm' AND

standard\_concept=mapped.standard\_concept AND

invalid\_reason is null

) AS standard\_concepts,

to\_char(mapped.mapped\_concepts\*100/

( SELECT CASE count(1) WHEN 0 THEN 1e16 ELSE count(1) END

FROM concept

WHERE

vocabulary\_id='RxNorm' AND

standard\_concept=mapped.standard\_concept AND

invalid\_reason is null ), '990.9'

) AS pct\_mapped\_concepts

FROM (

SELECT

c1.vocabulary\_id AS vocabulary\_id,

v.vocabulary\_name,

c2.standard\_concept,

COUNT(8) AS mapped\_codes,

COUNT(DISTINCT c2.concept\_id) AS mapped\_concepts

FROM concept\_relationship m

JOIN concept c1 on m.concept\_id\_1=c1.concept\_id and

m.relationship\_id='Maps to' and m.invalid\_reason is null

JOIN concept c2 on c2.concept\_id=m.concept\_id\_2

JOIN vocabulary v on v.vocabulary\_id=c1.vocabulary\_id

WHERE c2.vocabulary\_id in ('ICD9CM','RxNorm') AND lower(c2.domain\_id)='drug'

GROUP BY c1.vocabulary\_id, v.vocabulary\_name, c2.standard\_concept

) mapped;

**Input:**

None

**Output:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| vocabulary\_id | Source Vocabulary ID |
| vocabulary\_name | Source Vocabulary name |
| concept\_level | Concept Level Number |
| mapped\_codes | Number of mapped codes |
| total\_mapped\_codes | Total number of mapped codes for source vocabulary |
| pct\_mapped\_codes | Percentile of mapped code |
| mapped\_concepts | Number of mapped concepts |
| concepts\_in\_level | Number of mapped concepts |
| pct\_mapped\_concepts | Percentile of of mapped concepts |

**Sample output record:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| vocabulary\_id | 9 |
| vocabulary\_name | NDC |
| concept\_level | 1 |
| mapped\_codes | 550959 |
| total\_mapped\_codes | 551757 |
| pct\_mapped\_codes | 99.0 |
| mapped\_concepts | 33206 |
| concepts\_in\_level | 57162 |
| pct\_mapped\_concepts | 58.0 |