**D11:** Find source codes by drug class

This query is designed to extract codes from a non-standard drug vocabulary that belong to a therapeutic class. The query accepts a therapeutic class concept ID and the vocabualry ID of the desired source vocabulary as input and returns all codes that are included under that class and that belong to a source vocabulary. This query could be used to derive e.g. all NDC codes that belong to a certain drug class.

**Sample query:**

SELECT d.concept\_code,

d.vocabulary\_id,

v.vocabulary\_name

FROM concept\_ancestor ca

JOIN concept d on d.concept\_id = ca.descendant\_concept\_id

JOIN concept a on a.concept\_id = ca.ancestor\_concept\_id

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

WHERE ca.ancestor\_concept\_id = 21506108

AND a.vocabulary\_id = 'NDC'

AND d.domain\_id = 'Drug'

AND sysdate BETWEEN d.valid\_start\_date AND d.valid\_end\_date;

**Input:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Parameter** | **Example** | **Mandatory** | **Notes** |
| Therapeutic Class Concept ID | 21506108 | Yes | Concept ID for ‘ACE Inhibitors and ACE Inhibitor Combinations’ |
| Source Vocabulary ID | 9 | Yes | One of the above drug vocabulary ID's |
| As of date | Sysdate | No | Valid record as of specific date. Current date – sysdate is a default |

**Output:**

|  |  |
| --- | --- |
| **Field** | **Description** |
| Source\_Code | Source code of drug in non-standard vocabulary (e.g. NDC code, FDA SPL number etc.) |
| Source\_Vocabulary\_ID | Vocabulary ID of source vocabulary |
| Source\_Vocabulary\_Name | Vocabulary name of source vocabulary |
| Source\_Code\_Description | Description of source code |

**Sample output record:**

|  |  |
| --- | --- |
| **Field** | **Value** |
| Source\_Code | 00003033805 |
| Source\_Vocabulary\_ID | 9 |
| Source\_Vocabulary\_Name | NDC |
| Source\_Code\_Description | Captopril 25 MG / Hydrochlorothiazide 15 MG Oral Tablet |