**C09: Find all SNOMED-CT condition concepts that can be caused by a given pathogen or causative agent**

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| This query accepts a SNOMED-CT pathogen ID as input and returns all conditions caused by the pathogen or disease causing agent identified using queries [C07](http://vocabqueries.omop.org/condition-queries/c7) or [C08](http://vocabqueries.omop.org/condition-queries/c8).  **Input:**   |  |  |  |  | | --- | --- | --- | --- | | **Parameter** | **Example** | **Mandatory** | **Notes** | | SNOMED-CT Concept ID | 4248851 | Yes | Concept Identifier for ‘Treponema pallidum’ | | As of date | Sysdate | No | Valid record as of specific date. Current date – sysdate is a default |   **Sample query run:** The following is a sample run of the query to list conditions caused by pathogen or causative agent. Sample parameter substitution is highlighted in **blue**.  SELECT  A.concept\_Id Condition\_ID,  A.concept\_Name Condition\_name,  A.concept\_Code Condition\_code,  A.concept\_Class\_id Condition\_class,  A.vocabulary\_id Condition\_vocab\_ID,  VA.vocabulary\_name Condition\_vocab\_name,  D.concept\_Id Causative\_agent\_ID,  D.concept\_Name Causative\_agent\_Name,  D.concept\_Code Causative\_agent\_Code,  D.concept\_Class\_id Causative\_agent\_Class,  D.vocabulary\_id Causative\_agent\_vocab\_ID,  VS.vocabulary\_name Causative\_agent\_vocab\_name  FROM  concept\_relationship CR,  concept A,  concept D,  vocabulary VA,  vocabulary VS  WHERE  CR.relationship\_ID = 'Has causative agent' AND  CR.concept\_id\_1 = A.concept\_id AND  A.vocabulary\_id = VA.vocabulary\_id AND  CR.concept\_id\_2 = D.concept\_id AND  D.concept\_id =  **4248851**  AND D.vocabulary\_id = VS.vocabulary\_id AND  **sysdate**  BETWEEN CR.valid\_start\_date AND CR.valid\_end\_date;  **Output:** Output field list:   |  |  | | --- | --- | | **Field** | **Description** | | Condition\_ID | Condition concept Identifier | | Condition\_Name | Name of the standard condition concept | | Condition\_Code | Concept code of the standard concept in the source vocabulary | | Condition\_Class | Concept class of standard vocabulary concept | | Condition\_Vocab\_ID | Vocabulary the standard concept is derived from as vocabulary ID | | Condition\_Vocab\_Name | Name of the vocabulary the standard concept is derived from | | Causative\_Agent\_ID | Pathogen concept ID entered as input | | Causative\_Agent\_Name | Pathogen Name | | Causative\_Agent\_Code | Concept Code of pathogen concept | | Causative\_Agent\_Class | Concept Class of pathogen concept | | Causative\_Agent\_Vocab\_ID | Vocabulary the pathogen concept is derived from as vocabulary ID | | Causative\_Agent\_Vocab\_Name | Name of the vocabulary the pathogen concept is derived from |   Sample output record:   |  |  | | --- | --- | | **Field** | **Value** | | Condition\_ID | 4326735 | | Condition\_Name | Spastic spinal syphilitic paralysis | | Condition\_Code | 75299005 | | Condition\_Class | Clinical finding | | Condition\_Vocab\_ID | SNOMED | | Condition\_Vocab\_Name | Systematic Nomenclature of Medicine - Clinical Terms (IHTSDO) | | Causative\_Agent\_ID | 4248851 | | Causative\_Agent\_Name | Treponema pallidum | | Causative\_Agent\_Code | 72904005 | | Causative\_Agent\_Class | Organism | | Causative\_Agent\_Vocab\_ID | SNOMED | | Causative\_Agent\_Vocab\_Name | Systematic Nomenclature of Medicine - Clinical Terms (IHTSDO) | |