**C08: Find a disease causing agent by keyword**

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| This query enables a search of various agents that can cause disease by keyword as input. Apart from pathogens (see query [C07](http://vocabqueries.omop.org/condition-queries/c7)), these agents can be SNOMED-CT concepts of the following classes:   * Pharmaceutical / biologic product * Physical object * Special concept * Event * Physical force * Substance   The resulting concepts could be used in query [C09](http://vocabqueries.omop.org/condition-queries/c9) to identify diseases caused by the agent.  **Input:**   |  |  |  |  | | --- | --- | --- | --- | | **Parameter** | **Example** | **Mandatory** | **Notes** | | Keyword for pathogen | 'Radiation' | Yes | Keyword should be placed in a single quote | | 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 all pathogens specified using a keyword as input. The sample parameter substitutions are highlighted in **blue**.  SELECT  C.concept\_id Agent\_Concept\_ID,  C.concept\_name Agent\_Concept\_Name,  C.concept\_code Agent\_concept\_code,  C.concept\_class\_id Agent\_concept\_class,  C.standard\_concept Agent\_Standard\_Concept,  C.vocabulary\_id Agent\_Concept\_Vocab\_ID,  V.vocabulary\_name Agent\_Concept\_Vocab\_Name  FROM  concept C,  vocabulary V  WHERE  LOWER(C.concept\_class\_id) in ('pharmaceutical / biologic product','physical object',  'special concept','event', 'physical force','substance') AND  LOWER(C.concept\_name) like  **'%radiation%'**  AND C.vocabulary\_id = V.vocabulary\_id AND  **sysdate**  BETWEEN C.valid\_start\_date AND C.valid\_end\_date;  **Output:** Output field list:   |  |  | | --- | --- | | **Field** | **Description** | | Agent\_Concept\_ID | Concept ID of SNOMED-CT agent concept | | Agent\_Concept\_Name | Name of SNOMED-CT concept | | Agent\_Concept\_Code | Concept Code of SNOMED-CT concept | | Agent\_Concept\_Class | Concept class of SNOMED-CT concept | | Agent\_Standard\_Concept | Indicator of standard concept for SNOMED-CT concept | | Agent\_Vocab\_ID | Vocabulary ID of the vocabulary from which the agent concept is derived from (1 for SNOMED-CT) | | Agent\_Vocab\_Name | Name of the vocabulary from which the agent concept is derived from (SNOMED-CT) |   Sample output record:   |  |  | | --- | --- | | **Field** | **Value** | | Agent\_Concept\_ID | 4220084 | | Agent\_Concept\_Name | Radiation | | Agent\_Concept\_Code | 82107009 | | Agent\_Concept\_Class | Physical force | | Agent\_Standard\_Concept | S | | Agent\_Vocab\_ID | SNOMED | | Agent\_Vocab\_Name | Systematic Nomenclature of Medicine - Clinical Terms (IHTSDO) | |