

# AQL functions for state

instruction-aggregate-state(i)

current-state(ac)

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# Two functions for state

- `instruction-aggregate-state(instruction_identifier)`
  - Returns the aggregated state of the given INSTRUCTION as a String
- `current-state(activity_identifier)`
  - Returns the current state of the given ACTIVITY as a String

# Examples

```
SELECT i
FROM INSTRUCTION i
WHERE instruction-aggregate-state(i) = 'ACTIVE'
```

```
SELECT ac
FROM INSTRUCTION i CONTAINS ACTIVITY ac
WHERE current-state(ac) = 'ACTIVE'
```

# INSTRUCTION AGGREGATED STATE

- **PRE-ACTIVE**
  - initial state
  - No activity in active, inactive or terminated state
- **ACTIVE**
  - At least one Activity is active
- **INACTIVE**
  - All Activities are inactive
- **TERMINATED**
  - All Activities are terminated (completed, cancelled, aborted )

# ACTIVITY – CURRENT STATE

```
<group name="instruction states">  
  <concept id="524" rubric="initial"/>  
  <concept id="526" rubric="planned"/>  
  <concept id="527" rubric="postponed"/>  
  <concept id="528" rubric="cancelled"/>  
  <concept id="529" rubric="scheduled"/>  
  <concept id="530" rubric="suspended"/>  
  <concept id="531" rubric="aborted"/>  
  <concept id="532" rubric="completed"/>  
  <concept id="533" rubric="expired"/>  
  <concept id="245" rubric="active"/>  
</group>
```

Returns the 'rubric' of the instruction states terminology

# Functions in SELECT and WHERE

**SELECT current-state(ac)**

FROM

EHR e [ehr\_id/value=\$ehrid]

CONTAINS INSTRUCTION i[openEHR-EHR-INSTRUCTION.referral.v1]

CONTAINS ACTIVITY ac

**SELECT instruction-aggregate-state(i)**

FROM

EHR e [ehr\_id/value=\$ehrid]

CONTAINS INSTRUCTION i[openEHR-EHR-INSTRUCTION.referral.v1]