SQL: Asthma Action Plan- Last Written or Updated

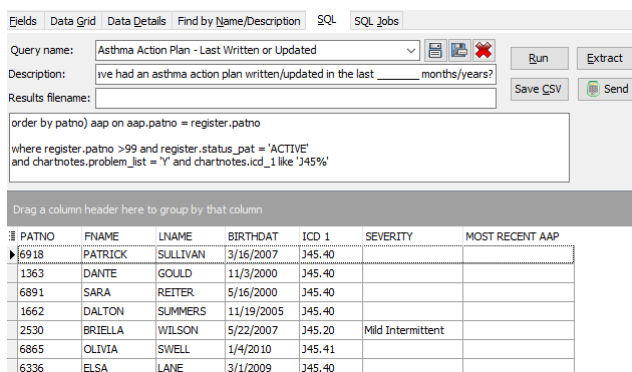Last Modified on 11/26/2019 3:04 pm EST

About

How many of your patients with asthma in their problem list have had an asthma action plan written/updated in the last _____ months/years?

This SQL defines "patients with asthma" as:

- Active patients -- any age
- An active problem in the problem list with the ICD code as anything that starts with J45

The date in "most_recent_AAP" will be the date the last asthma action plan was written/updated, and blank if the patient has never had one.

A sample image of this SQL report run in the Database Viewer is shown below:

Caveats

For a patient to "have asthma," there must be an ACTIVE problem that has an ICD-10 code with

J45.xx attached in the problem list. A patient who has a problem that only contains the word "asthma" without the ICD-10 code, or who lists only a SNOMED code, will not appear in the list.

Code

To highlight and copy the code below to your clipboard, simply click the**Copy** button.

```
select register.patno, fname, lname, birthdat, chartnotes.icd_1, chartnotes.
severity, aap.most_recent_aap from register

inner join chartnotes on chartnotes.patno = register.patno

left outer join
(select patno, max(action_date) as most_recent_AAP from aap_actionplans grou
p by patno
order by patno) aap on aap.patno = register.patno

where register.patno >99 and register.status_pat = 'ACTIVE'
and chartnotes.problem_list = 'Y' and chartnotes.icd_1 like 'J45%'
order by patno
```