

SQL: Patient Roster Filter (with Ages for Period)

Last Modified on 01/06/2022 10:36 am EST

i There are **two versions** of this SQL: Firebird and MySQL. The **MySQL version** only applies to clients who are **BETA testing MySQL**. All other Practices should continue to use the Firebird version of this code. Click to expand and copy the code you need. If you are unsure which code to use, please check with your Practice Administrator.

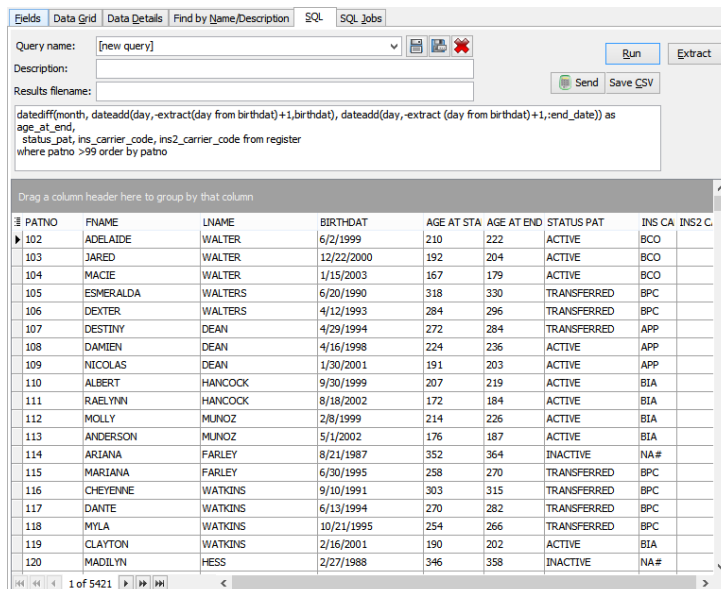
About

This SQL creates a report that helps you identify patients who were a certain age range during a period you specify. It also indicates patient status, primary, and secondary insurance.

For example, at runtime, you might enter start dates and end dates of 1/1/2017 and 12/31/2017. You will see your entire patient roster, along with the age in months they were on 1/1/2017 (the AGE AT START) and the age in months they were on 12/31/2017 (the AGE END DATE). Some patients will have negative ages (i.e. they weren't born yet in 2017).

You can then use the dropdown filters to see only the patients who meet specified criteria. For example, if you only want to see active patients with Medicaid, you would change the STATUS_PAT dropdown to ACTIVE and set the INS_CARRIER_CODE (primary insurance) and/or INS2_CARRIER_CODE (secondary insurance) fields to show the insurances that reflect Medicaid in your area. You can also change the AGE AT START or AGE AT END to only show certain age groups you specify.

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



PATNO	FNAME	LNAME	BIRTHDAT	AGE AT STA	AGE AT END	STATUS PAT	INS CA	INS2 C
102	ADELAIDE	WALTER	6/2/1999	210	222	ACTIVE	BCO	
103	JARED	WALTER	12/22/2000	192	204	ACTIVE	BCO	
104	MACIE	WALTER	1/15/2003	167	179	ACTIVE	BCO	
105	ESMERALDA	WALTERS	6/20/1990	318	330	TRANSFERRED	BPC	
106	DEXTER	WALTERS	4/12/1993	284	296	TRANSFERRED	BPC	
107	DESTINY	DEAN	4/29/1994	272	284	TRANSFERRED	APP	
108	DAMIEN	DEAN	4/16/1998	224	236	ACTIVE	APP	
109	NICOLAS	DEAN	1/30/2001	191	203	ACTIVE	APP	
110	ALBERT	HANCOCK	9/30/1999	207	219	ACTIVE	BIA	
111	RAELYNN	HANCOCK	8/18/2002	172	184	ACTIVE	BIA	
112	MOLLY	MUNOZ	2/8/1999	214	226	ACTIVE	BIA	
113	ANDERSON	MUNOZ	5/1/2002	176	187	ACTIVE	BIA	
114	ARIANA	FARLEY	8/21/1987	352	364	INACTIVE	NA#	
115	MARIANA	FARLEY	6/30/1995	258	270	TRANSFERRED	BPC	
116	CHEYENNE	WATKINS	9/10/1991	303	315	TRANSFERRED	BPC	
117	DANTE	WATKINS	6/13/1994	270	282	TRANSFERRED	BPC	
118	MYLA	WATKINS	10/21/1995	254	266	TRANSFERRED	BPC	
119	CLAYTON	WATKINS	2/16/2001	190	202	ACTIVE	BIA	
120	MADILYN	HESS	2/27/1988	346	358	INACTIVE	NA#	

Caveats

- This report shows all patient statuses, although you can set the dropdown filter only to ACTIVE when you wish.
- The ages shown are ages in MONTHS. For example, a patient with an age listed as 120 would just have turned 10 years old (12 months x 10 years).

SQL Code: Firebird

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

Copy

```
select * from (  
select patno, fname, lname, birthdat,  
datediff(month, dateadd(day,-extract(day from birthdat)+1,birthdat), dateadd(day,-extract (day from birthdat)+1,:start_  
date)) as age_at_start,  
  
datediff(month, dateadd(day,-extract(day from birthdat)+1,birthdat), dateadd(day,-extract (day from birthdat)+1,:end_d  
ate)) as age_at_end,  
status_pat, ins_carrier_code, ins2_carrier_code from register  
where patno >99 order by patno  
)
```

SQL Code: MySQL

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

Copy

```
select * from (  
select patno, fname, lname, birthdat,  
  
floor(timestampdiff(year,birthdat,:start_date)) as age_at_start,  
floor(timestampdiff(year,birthdat,:end_date)) as age_at_end,  
  
status_pat, ins_carrier_code, ins2_carrier_code from register  
where patno >99 order by patno  
) t1
```