Post Test Service

# Set Expired Post Tests Completed To Not Current

The Posttests completed table has a column called IsCurrent. This column is used to signify that a test is completed. This column is queried when a user goes to take their posttests. If the column is marked true for a test then this test is marked completed and the user does not have to take the test until the column is marked false (the following year).

This program will mark the column as false if the test completed is within a 30 days of its 1 year anniversary. It’s possible that the program could miss marking column (if it’s not consistently run) so a stored procedure (“SetPostTestsExpiredNotCurrent”) is run to catch any tests that might have been missed.

**Developers Note: let the users take tests any time they want and just update the date completed. The user wouldn’t have to wait until 11 months gone by before taking the test again.**

# Get Sites

* Get all active sites from the database that require employee Id

# Iterate Sites -1st run

This is the first run for iterating through the active sites. This run will check for anything that a coordinator or staff member should be notified about.

7 lists are compiled while iterating through site.

* Due list: Staff member is due to take tests
* New staff list: new staff members that have not completed post tests
* Expired staff list: staff members with expired post tests
* Test not completed list: all staff members that have not completed all required post tests
* Competency missing list: Staff member has not completed all competency tests (NovaStatStrip and VampJr only).
* Email missing list: Staff member does not have an email address listed in the database.
* Employee Id missing list: Staff member does not have an employee Id listed in the database. (For sites that require employee Ids only)

The following happens during site iteration:

* Get the following staff information for each staff member
  + ID and Name
  + Email
  + Employee id (if applicable)
  + NovaStatStrip and VampJr competency tests completed
  + Role
  + Tests Completed (including date completed)
    - Runs stored procedure (“GetPostTestsCompletedForStaffMember”) – this gets all tests complete with date completed dates earlier than 1 year ago from today.
    - The tests are in order by completed date, earliest to latest. The first date (+ 1 year added) is assigned as the ‘Next Due Date’ for the staff member.
  + Tests not completed – All required tests minus the tests completed.
  + Run stored procedure to find if staff member is new. If not new then:
    - Remove the “Overview” test from the tests not completed list (if its there).

Note: The Admin, generic Nurse and generic DCC roles are not included when gathering staff information

## Iterate Staff Members

The following happens when iterating through staff members:

**Note: The staff member is not added to the NovaStatStrip list if any of the following checks fails.**

* Check for the following required information – if any of the following are missing then the staff member will not be included on the operators list.
  + Check for competencies completed – if not completed then add to the competency missing list
    - If role is nurse then check for both NovaStatStrip and VampJr otherwise check for NovaStatStrip only
  + Check for missing email – if missing then add to the Email missing list
  + Check for missing employee id – if missing then add to the employee id missing list
* Next, check if all required tests are completed – if not all completed:
  + If the only test not completed is “Dexcom G4 Receiver” then allow a grace period (until 9/1/13)
* Check if next due date falls within the 30 day window (or if next due date is null (this is for staff members that have not completed any tests)). If it does then do the following:
  + Set the previous tests completed ‘IsCurrent’ to 0. This allows the staff member to take the tests (again). **There is a problem with this method. It marks all tests as not current so if you took one test 11 months ago and other test recently, it will mark all tests as not current thus forcing you to take all tests again.**
  + Send an email to the staff member. **Staff members whom have not completed any tests (including not current) will get a daily email.**
  + Add the staff member to the due list.
* There is a possibility that a completed test can be over 1 year due and IsCurrent is true. A stored procedure is run to take clean up this situation.

# Iterate Sites -2nd run

During this second run the NovaNet StatStrip list will be created.

The current Nova Net list is objectified into a list of stirng.

There are two more lists that will be used for the 2nd run:

* Staff added to the current list
* Staff removed from the current list

## Iterate Staff Members

**Note: This does not include staff members that failed any of the checks in the 1st run.**

The following happens when iterating through staff members for the 2nd run:

* Find the staff member in the current nn list.
* If the staff member is currently on the nn list then do the following:
  + Mark the current list staff member as processed
  + Update their end date (end date is updated with the next due date or 1 year from today if next due date is null)
* If the staff member is not currently on the nn list then do the following:
  + Add the staff member to the list with start date = today and end date = 1 year from today.

# Conventions

The filename for the NovaNet operators list will be prefixed with the site short name.

Example: CHB\_NovaNetOperatorsList.csv

# Questions

1. Do we want to remove staff members from the current list that were ‘not found’?
2. Do we want to create the list from scratch and not worry about who was on the old list?
3. How often – email notifications?