Post Test Service

# Get Sites

* Get all active sites from the database (includes info for employee id required).

# 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.

4 lists are compiled while iterating through site.

* Due list: Staff member is due to take 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
  + Next due date
  + Email
  + Employee id (if applicable)
  + NovaStatStrip and VampJr tests completed
  + Role

## 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 role – only iterate for the Nurse role
* Check for competencies completed – if not completed then add to the competency missing list
* 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
* 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.

# 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.

# 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?