## **Clinical Track Generator**

## **Change List:**

04/15/2024 PAB New

#### **Overall Intent**

This module will run inside of /THEO and /TABLET applications. It reads the data from the currently focused template that was filled out by the patient, and generates a list of suggested "Clinical Tracks." No data is stored – only viewed or printed.

#### Setup

Before running this code you need to get the Patient\_ID and the Encounter\_ID from EncounterHistory. Since you will run this module from the template module, you will have access to those two variables within the PHP calling code. Encounter\_ID is a primary key and comes from EncounterHistory and Patient\_ID is a foreign key from EncounterHistory.

#### Code

This is the SQL code that will generate the output for the Clinical Tracks Report.

```
/* Clinical Track Generator
```

Code to calculate Clinical Tracks

UPDATE: 04/02/2024 PAB New

04/05/2024 PAB Add Intersect Function 04/06/2024 PAB Add SortOrder, Fix small bug

```
GO
CREATE TABLE Wellness_eCastEMR_Data.[dbo].[tempTBots](
      [tempTBots_ID] [int] IDENTITY(1,1) NOT NULL,
      [TBot] varchar(10))
GO
CREATE INDEX tempTBots_idx
ON Wellness_eCastEMR_Data.dbo.tempTBots(TBot)
GO
SET ANSI_PADDING OFF
GO
DECLARE @Patient_ID INT, @Encounter_ID INT, @n INT, @max INT,
   @CTrackName Varchar(50), @CTrackQty Varchar(50), @CTrackFreq Varchar(50),
   @CTrackMaster_ID INT, @TDate DATE, @SortOrder SMALLINT
UPDATE Wellness_DataArchive.dbo.CTracksHistory
SET Hidden
                    = 1 WHERE
Patient_ID
                    = @Patient_ID AND
Encounter_ID
                   = @Encounter_ID
SELECT @TDate
                   = GetDate() -- You'll use this in CTracksHistory
INSERT INTO Wellness_eCastEMR_Data.[dbo].[tempTBots]
SELECT CONCAT(TM.TML3_TBotMaster_ID,'-',TM.TML3_TBotData) FROM
Wellness_eCastEMR_Data.dbo.ETL3 ET
JOIN Wellness eCastEMR Template.dbo.TML3 TM ON ET.TML3 ID = TM.TML3 ID
JOIN eCastMaster.dbo.TBotMaster TB ON TM.TML3_TBotMaster_ID = TB.TBotMaster_ID
WHERE ET.Encounter_ID
                          = @Encounter_ID
--- Starting the loop through CTracksMaster...
SELECT @n = 1
SELECT @max = COUNT(*) FROM Wellness_DataArchive.dbo.CTracksMaster
WHILE @n <= @max
BEGIN
       --- Load up your variables for the INSERT into CTracksHistory
       SELECT
        @CTrackMaster_ID = CTrackMaster_ID,
             @CTrackName
                                        = CTrackName,
             @CTrackQty
                                        = CTrackQty,
             @CTrackFreq
                                        = CTrackFreq,
             @SortOrder
                                        = SortOrder
             FROM Wellness_DataArchive.dbo.CTracksMaster WHERE CTrackMaster_ID = @n
        SELECT TBot FROM Wellness_DataArchive.dbo.CTracksMasterTBots TB WHERE
             TB.CTracksMaster_ID = @n
        INTERSECT
        SELECT TBot FROM Wellness_eCastEMR_Data.dbo.TempTBots TTB
```

--- Check to see if the INTERSECT resulted in some rows found IF @@ROWCOUNT <> 0
BEGIN

INSERT INTO Wellness\_DataArchive.dbo.CTracksHistory (CTrackMaster\_ID,Patient\_ID,Encounter\_ID,CTrackDate,CTrackQty,CTrackFreq,SortOrder,Hidden)

VALUES

(@CTrackMaster\_ID,@Patient\_ID,@Encounter\_ID,@TDate,@CTrackQty, @CTrackFreq,@SortOrder,0)

**END** 

SELECT @n = @n + 1  $\rightarrow$  Bump the counter that pushes through CTracksMaster's rows END

---This Query gives you the Clinical Tracks specifically for the encounter/patient you're on

SELECT CTM.CTrackMaster\_ID,CTM.CTrackName,CTH.CTrackFreq FROM Wellness\_DataArchive.dbo.CTracksHistory CTH JOIN Wellness\_DataArchive.dbo.CTracksMaster CTM ON CTH.CTrackMaster\_ID = CTM.CTrackMaster\_ID WHERE (CTH.Hidden IS NULL or CTH.Hidden = 0) ORDER BY CTH.SortOrder

### Output

Make the header of the report EXACTLY like the header of the Patient report with the same formatting, fonts and colors, etc. Add the results of the Query above to the bottom of that report. Repeat headers on multiple pages.

### Example:



**New River Family** 1300 St. Mary's Street Suite 502

Raleigh, NC NC 27605P: 919-833-8998

F: 919-772-2727

Patient Name: Raul Abdul **Account Number:** 04/23/1966 DOB: Policy Number: 12345

> 57 Age:

Karen A Williams, DO Provider:

DOS: April 16, 2024

## **Suggested Clinical Tracks (For Physician Review)**

#### **Clinical Track Component** Frequency

Repeat Wellness Screening Yearly

While managing the patient's chronic conditions **Chronic Care Management** 

PRN

Remote Physiological Monitoring Continuously **Remote Therapeutic Monitoring** Continuously Advance Care Planning Education and Contracts Monthly

Fall Risk Evaluation/Needs Analysis Quarterly **Smoking Cessation Counseling** Quarterly Weight Loss Counseling Quarterly **Diabetes Counseling** Quarterly **Depression Screening** Monthly **Anxiety Screening** Monthly **PTSD Screening** Monthly Extended ADL/iADL Determination PRN **Extended SDoH Determination PRN** 

**Medication Management** Quarterly **Hypertension Counseling PRN** 

Dietary Assistance/Counseling Substance Use/Abuse Counseling Quarterly

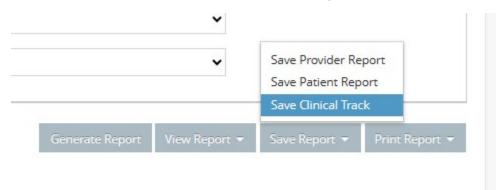
Clinical Track Component	Frequency
Hearing Screening	Twice per Year
Vision Screening	Twice per Year
Breast Cancer Screening	PRN
Prostate Cancer Screening	PRN
Pain Screening	PRN
Sleep Apnea Counseling	PRN
Exercise Counseling	PRN
Dental Visit Assistance	PRN
Podiatry Visit Assistance	PRN
Social Support Assistance	Quarterly
Transportation Assistance	PRN

# **Calling Module**

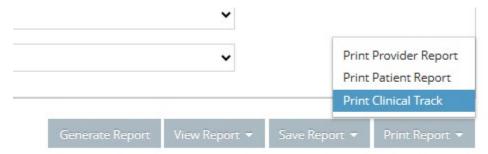
Allow the user to VIEW the report from the following button selections:



Allow the user to SAVE the report from the following button selections:



Allow the user to PRINT the report from the following button selections:



## WellTrackONE.us/tablet

Incorporate these changes AND the changes you made to the "View Report", "Save Report" and "Print Report" into the /tablet version of our code (which we call "PreventONE").