

```
USE [V01DW]
GO
```

```
/****** Object: StoredProcedure [VHA01\VHAV01ArtoR].[AnticoagulationReports] Script Date:
11/13/2012 13:21:02 *****/
```

```
SET ANSI_NULLS ON
GO
```

```
SET QUOTED_IDENTIFIER ON
GO
```

```
/*exec [VHA01\VHAV01ArtoR].[AnticoagulationReports]
```

```
=====
```

Author: Richard Arto

Create date: 09/05/2012

Description: Creates Datasets for Anti Coag Reports

Updates:

Richard Arto 9/13/2012 added patient drill downs for patients that didn't meet measure.

Richard Arto 9/14/2012 added Kpi2 dataset measure percentages.

Richard Arto 9/17/2012 added Division data. Cleaned up comments.

Richard Arto 10/23/2012 added clinics to patient drill downs.

Richard Arto 10/30/2012 added >= 70 percent TTR for Kpi2 dataset. Created AntiCoagPatdetail table to insert patients who didn't meet the measure.

David Brooks 11/13/2012 check for when the INR values are the same between 2 tests in the #TherapeuticDays logic

Richard Arto 11/13/2012 Added new measures "Proportion of instances where the next INR occurs within 7 days or less" for both INR values.

Richard Arto 11/13/2012 Deleted old measures "site mean days to next INR from INR of 4.0 or higher and site mean days to next INR from INR of 1.5 or lower.

Richard Arto 11/14/2012 Updated all Patient detail drilldowns and validated.

Richard Arto 11/14/2012 Added kpi6 measure Patients with Active Warfin RX and INR in the past 42 days.

```
===== */
```

```
Alter PROCEDURE [VHA01\VHAV01ArtoR].[AnticoagulationReports]
```

```
AS
```

```
BEGIN
```

```
/*Active Warfarin Cohort
```

```
Start Time*/
```

```
declare @startTime as datetime
```

```
set @startTime = GETDATE()
```

```
Print 'Start Time: ' + cast(@startTime as varchar(20))
```

IF OBJECT_ID('tempdb..#ActiveWarfarinCohort') IS NOT NULL DROP TABLE #ActiveWarfarinCohort

```
select
    pt.PatientSID
    ,pt.PatientICN
    ,pt.PatientName
    ,pt.Sta3n as PatientSta3n
    ,div.DivisionName as Division
    ,Clinic.Clinic_Name as Clinic
    ,pt.PatientSSN
    ,COALESCE(pt.StreetAddress1,pt.StreetAddress2) + ' ' + pt.City + ' ' + pt.State + ' ' + pt.Zip as
PatientAddress
    ,pt.PhoneResidence as PatientPhone
    ,min(rx2.IssueDate) as FirstWarfarinRxDate
into
    #ActiveWarfarinCohort
from
    [vdwork].RxOut.RxOutpat rx
    inner join [vdwork].RxOut.RxOutpatFill fill
        on rx.RxOutpatSID = fill.RxOutpatSID
    inner join [vdwork].Dim.LocalDrug d
        on rx.LocalDrugSID = d.LocalDrugSID
    inner join [vdwork].SPatient.SPatient pt
        on rx.PatientSID = pt.PatientSID
    inner join [vdwork].RxOut.RxOutpat rx2
        on pt.PatientSID = rx2.PatientSID and d.LocalDrugSID = rx2.LocalDrugSID
    inner join [vdwork].dim.division div
        on rx.DivisionSID = div.DivisionSID
    LEFT OUTER join (Select

        V.PatientSID,
        I.locationName as Clinic_Name,
        v.LocationSID

        from [vdwork].Outpat.Visit v
        inner join [vdwork].dim.location as I
            ON v.LocationSID = I.LocationSID

        where
            v.VisitDateTime > DATEADD(year,-1,GETDATE())

        and I.LocationName not like '*%'
        and I.LocationName not like 'ZZ%'
        and I.NoncountClinicFlag = 'N'
    )clinic
    on rx.PatientSID = clinic.PatientSID
```

```

        and rx.LocationSID = clinic.LocationSID

where
    (d.DrugNameWithoutDose like '%warfarin%'
     or d.LocalDrugNameWithDose like '%warfarin%')
    and
    (
        rx.RxStatus in ('ACTIVE','SUSPENDED','PROVIDER HOLD','HOLD')
        --and fill.FillDateTime is not null
    )
group by
    pt.PatientSID
    ,pt.PatientICN
    ,pt.PatientName
    ,pt.Sta3n
    ,pt.PatientSSN
    ,pt.StreetAddress1
    ,pt.StreetAddress2
    ,pt.StreetAddress3
    ,pt.City
    ,pt.State
    ,pt.zip
    ,pt.PhoneResidence
    ,div.DivisionName
    ,Clinic.Clinic_Name

/*KPI 1: warfarin patients with INR in the last 56 days*/

declare @INRTimeWindow as datetime = dateadd(day,-57,cast(GETDATE() as date))
--select @INRTimeWindow as INRTimeWindow
Truncate table [V01DW].[VHA01\VHAV01ArtoR].AntiCoagT1
Insert Into [V01DW].[VHA01\VHAV01ArtoR].AntiCoagT1
(
    Measure,
    DataSet,
    PatientSta3n,
    Facility,
    ActualPercent,
    Target,
    TotalPatients,
    NotMet
)
select distinct

```

```

'% Patients with Active Warfin RX and INR in the past 56 days' as Measure,
'kpi1' as DataSet,
    c.PatientSta3n,
    s.Facility,
    --KPI1Met.PatientCount as KPI1Met,
    cast(KPI1Met.PatientCount as numeric(20,4)) / cast(KPI1Totals.PatientCount as numeric(20,4))
as INRinLast56Days,
    0.95 as Target,
    KPI1Totals.PatientCount as TotalPatients,
    KPI1Totals.PatientCount - KPI1Met.PatientCount as NotMet
from
    #ActiveWarfarinCohort c
    left outer join (select distinct
        PatientSta3n,
        COUNT(distinct c.PatientSID) as PatientCount
    from
        #ActiveWarfarinCohort c
        left outer join [vdwwork].Chem.LabChem I
            on c.PatientSID = I.PatientSID
        left outer join [vdwwork].dim.LabChemTest t
            on I.LabChemTestSID =
t.LabChemTestSID
    where
        t.[LabChemTestName] like '%INR%' --and
t.LabChemTestName <> 'PT/inr'
        and I.LabChemSpecimenDateTime >=
@INRTimeWindow

    group by
        PatientSta3n
    ) KPI1Met
    on c.PatientSta3n = KPI1Met.Patientsta3n
left outer join (select distinct
    PatientSta3n,
    COUNT(PatientName) as PatientCount
from
    #ActiveWarfarinCohort
group by
    PatientSta3n
) KPI1Totals
    on c.PatientSta3n = KPI1Totals.Patientsta3n
left outer join [vdwwork].dim.VistASite s
    on c.PatientSta3n = s.Sta3n

order by
    s.facility

```

```

/*kpi 1 Patient detail drill down of patients not meeting measure. */
Truncate table [VHA01\VHAV01ArtoR].AntiCoagPatdetail
IF OBJECT_ID('tempdb..#allkpi1') IS NOT NULL DROP TABLE #allkpi1
IF OBJECT_ID('tempdb..#measurekpi1') IS NOT NULL DROP TABLE #measurekpi1
IF OBJECT_ID('tempdb..#patientnotmet1') IS NOT NULL DROP TABLE #patientnotmet1
SELECT

        C.PatientSID,
        C.PatientSta3n
        into #allkpi1
FROM
        #ActiveWarfarinCohort c
        group by
        c.PatientSta3n,
        c.PatientSID

        /*Patients that met measure*/
        select
        PatientSta3n,
        c.PatientSID
        into #measurekpi1
        from
        #ActiveWarfarinCohort c
        left outer join [vdwork].Chem.LabChem l1
                on c.PatientSID = l1.PatientSID
                left outer join [vdwork].dim.LabChemTest t1
                on l1.LabChemTestSID =
t1.LabChemTestSID

        where
        t1.[LabChemTestName] like '%INR%' --and
t.LabChemTestName <> 'PT/inr'

                and l1.LabChemSpecimenDateTime >=
@INRTimeWindow

        group by
        c.PatientSta3n,
        c.PatientSID

Select #allkpi1.* into #patientnotmet1
from #allkpi1 left outer join
#measurekpi1 m1
on
#allkpi1.PatientSID = m1.PatientSID and
#allkpi1.PatientSta3n = m1.PatientSta3n
where m1.PatientSID is null AND
m1.PatientSta3n is null

```

```

Insert Into [VHA01\VHAV01ArtoR].AntiCoagPatdetail
(
DataSet,
PatientSID,
PatientName,
PatientSSN,
PatientAddress,
PatientPhone,
PatientSta3n,
Division,
Clinic
)

```

```

Select distinct 'kpi1' as DataSet,
C1.PatientSID,
C1.PatientName,
C1.PatientSSN,
C1.PatientAddress,
C1.PatientPhone,
C1.PatientSta3n,
C1.Division,
C1.Clinic
from #ActiveWarfarinCohort c1 inner join #patientnotmet1 p1
on c1.PatientSID = p1.PatientSID and
c1.PatientSta3n = p1.PatientSta3n

```

```

/*kpi2: warfarin a-fib patients with 4 INRs in the last 6 months having TTR
>=40%,>=50%,>=60%,>=70%*/

```

```

IF OBJECT_ID('tempdb..#ChronicWarfarinWithAFibAndINRCohort') IS NOT NULL DROP TABLE
#ChronicWarfarinWithAFibAndINRCohort
declare @SixYearsAgo as datetime = dateadd(year,-6,cast(getdate() as date))
declare @SixMonthsAgo as datetime = dateadd(month,-6,cast(getdate() as date))
declare @ChronicWarfarinDays as datetime = dateadd(day,-42,cast(getdate() as date))
declare @ValveReplacementTimeWindow as datetime = dateadd(day,-730,cast(getdate() as date))
select distinct
c.PatientSID
,c.PatientICN
,c.PatientName
,c.PatientSta3n
,c.Division
,c.Clinic
,c.PatientSSN
,c.PatientAddress
,c.PatientPhone

```

```

,case when valverep.PatientSID IS NULL then 0 else 1 end as ValveReplacement
into
#ChronicWarfarinWithAFibAndINRCohort
from
#ActiveWarfarinCohort c
inner join [vdwork].outpat.VDiagnosis vd
    on c.PatientSID = vd.PatientSID
inner join (select distinct ICDSID from [vdwork].Dim.ICD where ICDCode = '427.31') afibcd
    on vd.ICDSID = afibcd.ICDSID
left outer join [vdwork].outpat.ProblemList pl
    on c.PatientSID = pl.PatientSID and pl.ICDSID = afibcd.ICDSID
inner join (select
    distinct c.PatientSID,
    COUNT(distinct l.LabChemSID) as INRCount
from
    #ActiveWarfarinCohort c
    inner join [vdwork].Chem.LabChem l
        on c.PatientSID = l.PatientSID
    left outer join [vdwork].dim.LabChemTest t
        on l.LabChemTestSID = t.LabChemTestSID
where
    t.[LabChemTestName] like '%INR%' --and t.LabChemTestName
    and l.LabChemSpecimenDateTime >= @SixMonthsAgo
group by
    c.PatientSID
) inrcount
on c.PatientSID = inrcount.PatientSID

left outer join (select distinct PatientSID
    from [vdwork].outpat.VDiagnosis vd
    inner join [vdwork].dim.ICD valveicd on vd.ICDSID =
valveicd.ICDSID
    where vd.VDiagnosisDateTime >=
@ValveReplacementTimeWindow
    and valveicd.ICDCode = 'V43.3') valverep
on c.PatientSID = valverep.PatientSID

where
/*Diagnosis of atrial fibrillation: Patient's are classified as having AF if
they have an AF diagnosis active in their problem list or if they have had
an encounter coded for AF in the past 6 years.*/
(vd.VisitDateTime >= @SixYearsAgo
    or pl.ActiveFlag = 'Y')

/*had 4 INRs in last 6 months (6 month filter in above subquery)*/
and inrcount.INRCount >= 4

```

```

/*include only "chronic" warfarin patients - those whose 1st warfarin Rx is not within last 42
days */
and c.FirstWarfarinRxDate < @ChronicWarfarinDays

```

```

/*Exclude Patients that had Valve replacement in the last 730 days*/
and valverep.PatientSID IS NULL

```

```

/*KPI 2 - Cont*/

```

```

/*****
--
TTR
*****/

```

```

IF OBJECT_ID('tempdb..#OrderedINRList') IS NOT NULL DROP TABLE #OrderedINRList

```

```

select
    c.PatientName,
    c.PatientSID,
    c.PatientICN,
    l.Sta3n as LabChemSta3n,
    t.LabChemTestName,
    l.LabChemResultValue,
    l.LabChemResultNumericValue,
    l.LabChemSpecimenDateTime,
    l.LabChemSpecimenDateSID,
    d.Date as LabChemSpecimenDate,
    RANK () OVER (partition by c.PatientICN order by l.LabChemSpecimenDateTime) as INROrder
into
    #OrderedINRList
from
    #ChronicWarfarinWithAFibAndINRCohort c
    left outer join [vdwork].Chem.LabChem l
        on c.PatientSID = l.PatientSID
    left outer join [vdwork].dim.LabChemTest t
        on l.LabChemTestSID = t.LabChemTestSID
    left outer join [vdwork].dim.Date d
        on l.LabChemSpecimenDateSID = d.DateSID
where
    t.[LabChemTestName] like '%INR%' and t.LabChemTestName <> 'PT/inr'
    and l.LabChemSpecimenDateTime > '2008-01-01'
order by
    PatientName, LabChemSpecimenDateTime

```

```

declare @INRLowerBound as decimal(20,4) = 2.0

```



```

declare @INRUpperBound as decimal(20,4) = 3.0
declare @INRLowerBoundKPI3 as decimal(20,4) = 4.5
declare @INRUpperBoundKPI3 as decimal(20,4) = 999.9
--declare @INRLowerBoundKPI4 as decimal (20,4) = 2.3
--declare @INRUpperBoundKPI4 as decimal(20,4) = 2.7
declare @INRLowerBoundKPI5 as decimal (20,4) = 0
declare @INRUpperBoundKPI5 as decimal(20,4) = 1.5

```

IF OBJECT_ID('tempdb..#TherapeuticDays') IS NOT NULL DROP TABLE #TherapeuticDays

```
select
```

```
    *,
```

```
    -- 11/13/2012 - dpb - check for when the INR values are the same between 2 tests
```

```
    --isnull(cast(TimeBetweenSamples as decimal) * abs((INRShiftKPI2 / nullif(INRDiff,0))),0) as
TherapeuticDaysKPI2,
```

```
    case
```

```
        when INRShiftKPI2 = 0.0 and (INR1Result >= @INRLowerBound and INR1Result <=
@INRUpperBound
```

```
                                and INR2Result >=
```

```
@INRLowerBound and INR2Result <= @INRUpperBound)
```

```
            then cast(TimeBetweenSamples as decimal)
```

```
            else isnull(cast(TimeBetweenSamples as decimal) * abs((INRShiftKPI2 /
nullif(INRDiff,0))),0)
```

```
        end as TherapeuticDaysKPI2,
```

```
    --isnull(cast(TimeBetweenSamples as decimal) * abs((INRShiftKPI3 / nullif(INRDiff,0))),0) as
AboveThresholdDaysKPI3,
```

```
    case
```

```
        when INRShiftKPI3 = 0.0 and (INR1Result >= @INRLowerBoundKPI3 and INR1Result <=
@INRUpperBoundKPI3
```

```
                                and INR2Result >=
```

```
@INRLowerBoundKPI3 and INR2Result <= @INRUpperBoundKPI3)
```

```
            then cast(TimeBetweenSamples as decimal)
```

```
            else isnull(cast(TimeBetweenSamples as decimal) * abs((INRShiftKPI3 /
nullif(INRDiff,0))),0)
```

```
        end as AboveThresholdDaysKPI3,
```

```
    --isnull(cast(TimeBetweenSamples as decimal) * abs((INRShiftKPI4 / nullif(INRDiff,0))),0) as
TherapeuticDaysKPI4,
```

```
    /*case
```

```
        when INRShiftKPI4 = 0.0 and (INR1Result >= @INRLowerBoundKPI4 and INR1Result <=
@INRUpperBoundKPI4
```

```
                                and INR2Result >=
```

```
@INRLowerBoundKPI4 and INR2Result <= @INRUpperBoundKPI4)
```

```
            then cast(TimeBetweenSamples as decimal)
```

```

        else isnull(cast(TimeBetweenSamples as decimal) * abs((INRShiftKPI4 /
nullif(INRDiff,0))),0)
        end as TherapeuticDaysKPI4,* /

        --isnull(cast(TimeBetweenSamples as decimal) * abs((INRShiftKPI5 / nullif(INRDiff,0))),0) as
TherapeuticDaysKPI5
        case
            when INRShiftKPI5 = 0.0 and (INR1Result >= @INRLowerBoundKPI5 and INR1Result <=
@INRUpperBoundKPI5
                                                    and INR2Result >=
@INRLowerBoundKPI5 and INR2Result <= @INRUpperBoundKPI5)
            then cast(TimeBetweenSamples as decimal)
            else isnull(cast(TimeBetweenSamples as decimal) * abs((INRShiftKPI5 /
nullif(INRDiff,0))),0)
            end as TherapeuticDaysKPI5

into
    #TherapeuticDays
from
(
select
    inr1.PatientName,
    inr1.PatientSID,
    inr1.LabChemSta3n,
    inr1.INROrder,
    inr1.LabChemSpecimenDateTime as INR1Date,
    inr1.LabChemResultNumericValue as INR1Result,
    inr2.LabChemSpecimenDateTime as INR2Date,
    inr2.LabChemResultNumericValue as INR2Result,
    datediff(day,inr1.LabChemSpecimenDate,inr2.LabChemSpecimenDate) as
TimeBetweenSamples,
    inr2.LabChemResultNumericValue - inr1.LabChemResultNumericValue as INRDiff,

    v01dw.dbo.DifferenceWithinRange_v2(inr1.LabChemResultNumericValue,inr2.LabChemResultN
umericValue,@INRLowerBound,@INRUpperBound) as INRShiftKPI2,
    v01dw.dbo.DifferenceWithinRange_v2(inr1.LabChemResultNumericValue,inr2.LabChemResultN
umericValue,@INRLowerBoundKPI3,@INRUpperBoundKPI3) as INRShiftKPI3,
    --
    v01dw.dbo.DifferenceWithinRange_v2(inr1.LabChemResultNumericValue,inr2.LabChemResultNumericV
alue,@INRLowerBoundKPI4,@INRUpperBoundKPI4) as INRShiftKPI4,
    v01dw.dbo.DifferenceWithinRange_v2(inr1.LabChemResultNumericValue,inr2.LabChemResultN
umericValue,@INRLowerBoundKPI5,@INRUpperBoundKPI5) as INRShiftKPI5
from
    #OrderedINRList inr1
    inner join #OrderedINRList inr2
        on inr2.INROrder = inr1.INROrder + 1 and inr1.PatientICN = inr2.PatientICN

where

```

```

        inr2.LabChemSpecimenDateTime >= inr1.LabChemSpecimenDateTime

    ) x
order by
    PatientName, INR1Date

/* KPI2
group into one row per patient with overall TTR result*/
IF OBJECT_ID('tempdb..#PatientTTR') IS NOT NULL DROP TABLE #PatientTTR
select
    PatientSID,
    PatientName,
    #TherapeuticDays.LabChemSta3n as PatientSta3n,
    SUM(TherapeuticDaysKPI2) / SUM(TimeBetweenSamples) as PctTTR
into
    #PatientTTR
from
    #TherapeuticDays
group by
    PatientSID, PatientName, #TherapeuticDays.LabChemSta3n

/*KPI2 result output*/
Truncate Table [V01DW].[VHA01\VHAV01ArtoR].AntiCoagT2
Insert into [V01DW].[VHA01\VHAV01ArtoR].AntiCoagT2
(
    DataSet,
    PatientSta3n,
    Facility,
    MetTTR40Pct,
    MetTTR50Pct,
    MetTTR60Pct,
    MetTTR70Pct,
    TotalPatients,
    NotMetTTR50
)

select distinct
    'kpi2' as DataSet,
    c.PatientSta3n,
    s.Facility,
    cast(KPI2Met40Pct.PatientCount as numeric(20,4)) / cast(KPI2Totals.PatientCount as
numeric(20,4)) as MetTTR40Pct,
    cast(KPI2Met50Pct.PatientCount as numeric(20,4)) / cast(KPI2Totals.PatientCount as
numeric(20,4)) as MetTTR50Pct,
    cast(KPI2Met60Pct.PatientCount as numeric(20,4)) / cast(KPI2Totals.PatientCount as
numeric(20,4)) as MetTTR60Pct,

```

```

        cast(KPI2Met70Pct.PatientCount as numeric(20,4)) / cast(KPI2Totals.PatientCount as
numeric(20,4)) as MetTTR70Pct,
        KPI2Totals.PatientCount as TotalPatients,
        KPI2Totals.PatientCount - KPI2Met50Pct.PatientCount as NotMetTTR50
from
    #ChronicWarfarinWithAFibAndINRCohort c
    left outer join (select distinct
                        ttr.PatientSta3n,
                        COUNT(distinct ttr.PatientSID) as PatientCount
                    from
                        #PatientTTR ttr
                    where
                        ttr.PctTTR >= 0.4
                    group by
                        PatientSta3n
                    ) KPI2Met40Pct
    on c.PatientSta3n = KPI2Met40Pct.Patientsta3n
    left outer join (select distinct
                        ttr.PatientSta3n,
                        COUNT(distinct ttr.PatientSID) as PatientCount
                    from
                        #PatientTTR ttr
                    where
                        ttr.PctTTR >= 0.5
                    group by
                        PatientSta3n
                    ) KPI2Met50Pct
    on c.PatientSta3n = KPI2Met50Pct.Patientsta3n
    left outer join (select distinct
                        ttr.PatientSta3n,
                        COUNT(distinct ttr.PatientSID) as PatientCount
                    from
                        #PatientTTR ttr
                    where
                        ttr.PctTTR >= 0.6
                    group by
                        PatientSta3n
                    ) KPI2Met60Pct
    on c.PatientSta3n = KPI2Met60Pct.Patientsta3n
    left outer join (select distinct
                        ttr.PatientSta3n,
                        COUNT(distinct ttr.PatientSID) as PatientCount
                    from
                        #PatientTTR ttr
                    where

```

```

        ttr.PctTTR >= 0.7
    group by
        PatientSta3n
    ) KPI2Met70Pct
    on c.PatientSta3n = KPI2Met70Pct.Patientsta3n
left outer join (select distinct
        PatientSta3n,
        COUNT(PatientName) as PatientCount
    from
        #ChronicWarfarinWithAFibAndINRCohort
    group by
        PatientSta3n
    ) KPI2Totals
    on c.PatientSta3n = KPI2Totals.Patientsta3n
left outer join [vdwork].dim.VistASite s
    on c.PatientSta3n = s.Sta3n

order by
    s.facility
/*kpi2 extended drill down patient detail not meeting measure***/
IF OBJECT_ID('tempdb..#allkpi2') IS NOT NULL DROP TABLE #allkpi2
IF OBJECT_ID('tempdb..#measurekpi2') IS NOT NULL DROP TABLE #measurekpi2
IF OBJECT_ID('tempdb..#patientnotmet2') IS NOT NULL DROP TABLE #patientnotmet2
SELECT

        C.PatientSID,
        C.PatientSta3n
    into #allkpi2
FROM
        #ChronicWarfarinWithAFibAndINRCohort c
    group by
        c.PatientSta3n,
        c.PatientSID

        /*Patients that met measure*/
    select
        ttr2.PatientSta3n,
        ttr2.PatientSID
    into #measurekpi2
    from
        #PatientTTR ttr2
    where
        ttr2.PctTTR >= 0.5
group by
        ttr2.PatientSta3n,
        ttr2.PatientSID

    Select #allkpi2.* into #patientnotmet2

```

```

from #allkpi2 left outer join
#measurekpi2 m2
on
  #allkpi2.PatientSID = m2.PatientSID and
  #allkpi2.PatientSta3n = m2.PatientSta3n
where m2.PatientSID is null AND
      m2.PatientSta3n is null

```

```

Insert Into [VHA01\VHAV01ArtoR].AntiCoagPatdetail
(
  DataSet,
  PatientSID,
  PatientName,
  PatientSSN,
  PatientAddress,
  PatientPhone,
  PatientSta3n,
  Division,
  Clinic
)

```

```

Select distinct 'kpi2' as DataSet,
                C2.PatientSID,
                C2.PatientName,
                C2.PatientSSN,
                C2.PatientAddress,
                C2.PatientPhone,
                C2.PatientSta3n,
                C2.Division,
                C2.Clinic
from #ChronicWarfarinWithAFibAndINRCohort C2 inner join #patientnotmet2 p2
on c2.PatientSID = p2.PatientSID and
   c2.PatientSta3n = p2.PatientSta3n

```

```

/*KPI 3: Proportion of patients that spent >= 10% of time with an INR >= 4.5 */
IF OBJECT_ID('tempdb..#KPI3Results') IS NOT NULL DROP TABLE #KPI3Results
select
  PatientSID,
  PatientName,
  #TherapeuticDays.LabChemSta3n as PatientSta3n,
  SUM(AboveThresholdDaysKPI3) / SUM(TimeBetweenSamples) as PctAboveThreshold
into
  #KPI3Results
from
  #TherapeuticDays
group by

```

PatientSID,PatientName,#TherapeuticDays.LabChemSta3n

```
/*kpi 3 results*/
Insert Into [V01DW].[VHA01\VHAV01ArtoR].AntiCoagT1
(
Measure,
DataSet,
PatientSta3n,
Facility,
ActualPercent,
Target,
TotalPatients,
NotMet
)
select distinct
'Proportion of patients that spent >= 10% of time with an INR > 4.5 ' as Measure,
'kpi3' as DataSet,
c.PatientSta3n,
s.Facility,
cast(kpi3.PatientCount as numeric(20,4)) / cast(kpi3totals.PatientCount as numeric(20,4)) as
SupraThrptcINR10Pct,
0.07 as Target,
kpi3totals.PatientCount as TotalPatients,
kpi3totals.PatientCount - kpi3.PatientCount as NotMet
from
#ChronicWarfarinWithAFibAndINRCohort c
left outer join (select distinct
k.PatientSta3n,
COUNT(distinct k.PatientSID) as PatientCount
from
#KPI3Results k
where
k.PctAboveThreshold >= 0.1
group by
PatientSta3n
) kpi3
on c.PatientSta3n = kpi3.Patientsta3n
left outer join (select distinct
k.PatientSta3n,
COUNT(distinct k.PatientSID) as PatientCount
from
#KPI3Results k
group by
PatientSta3n
) kpi3totals
on c.PatientSta3n = kpi3totals.Patientsta3n
left outer join [vdwwork].dim.VistASite s
on c.PatientSta3n = s.Sta3n
```

```

order by
    s.facility
/*kpi3 extended drill down patient detail not meeting measure */
IF OBJECT_ID('tempdb..#allkpi3') IS NOT NULL DROP TABLE #allkpi3
IF OBJECT_ID('tempdb..#measurekpi3') IS NOT NULL DROP TABLE #measurekpi3
IF OBJECT_ID('tempdb..#patientnotmet3') IS NOT NULL DROP TABLE #patientnotmet3
SELECT

```

```

        C.PatientSID,
        C.PatientSta3n
        into #allkpi3
FROM
    #ChronicWarfarinWithAFibAndINRCohort c
    group by
        c.PatientSta3n,
        c.PatientSID

```

```

/*Patients that met measure*/
select
    ttr3.PatientSta3n,
    ttr3.PatientSID
    into #measurekpi3
from
    #KPI3Results ttr3
where
    ttr3.PctAboveThreshold >= 0.1
    group by
        ttr3.PatientSta3n,
        ttr3.PatientSID

```

```

Select #allkpi3.* into #patientnotmet3
from #allkpi3 left outer join
    #measurekpi3 m3
on
    #allkpi3.PatientSID = m3.PatientSID and
    #allkpi3.PatientSta3n = m3.PatientSta3n
where m3.PatientSID is null AND
    m3.PatientSta3n is null

```

```

Insert Into [VHA01\VHAV01ArtoR].AntiCoagPatdetail
(
    DataSet,
    PatientSID,
    PatientName,
    PatientSSN,

```



```

        PatientAddress,
        PatientPhone,
        PatientSta3n,
        Division,
        Clinic
    )

    Select distinct 'kpi3' as DataSet,

        C3.PatientSID,
        C3.PatientName,
        C3.PatientSSN,
        C3.PatientAddress,
        C3.PatientPhone,
        C3.PatientSta3n,
        C3.Division,
        C3.Clinic

    from #ChronicWarfarinWithAFibAndINRCohort C3 inner join #patientnotmet3 p3
    on c3.PatientSID = p3.PatientSID and
    c3.PatientSta3n = p3.PatientSta3n

```

```

/*** mean ttr by site for patients with atrial fibrillation***/
Truncate table [V01DW].[VHA01\VHAV01ArtoR].AntiCoagT4
Insert into [V01DW].[VHA01\VHAV01ArtoR].AntiCoagT4
(
    Sta3n,
    Facility,
    AvgTTR,
    Target
)
select
    s.Sta3n,
    s.Facility,
    SUM(t.TherapeuticDaysKPI2) / SUM(TimeBetweenSamples) as AvgTTR,
    0.6 as Target
from
    #TherapeuticDays t
    inner join #ChronicWarfarinWithAFibAndINRCohort c
        on c.PatientSID = t.PatientSID
    left outer join [vdwork].dim.VistASite s
        on LabChemSta3n = s.Sta3n

group by
    s.Sta3n,
    s.Facility
order by

```

s.Facility

```
declare @OneYearAgo datetime = dateadd(year,-1,cast(getdate() as date))
/**** Proportion of instances where the next INR occurs within 7 days or less with an INR >= 4.0 ****/
IF OBJECT_ID('tempdb..#AllHighInstances') IS NOT NULL DROP TABLE #AllHighInstances
IF OBJECT_ID('tempdb..#INRsevendays') IS NOT NULL DROP TABLE #INRsevendays
select
```

```
    cast(count(INR1Result) as numeric(15,5)) as INRcount,
    LabChemSta3n as Sta3n,
    s.Facility into #AllHighInstances
```

from

```
    #TherapeuticDays td
```

```
    /*td contains data for chronic warfarin patients with a-fib dx
```

```
       might need to write an additional INROrder and #TherapeuticDays dataset if need
```

different

```
       cohort conditions*/
```

```
left outer join [vdwork].dim.VistASite s
```

```
on LabChemSta3n = s.Sta3n
```

where

```
    td.INR1Result >= 4.0
```

```
    and INR1Date >= @OneYearAgo
```

group by

```
    s.Facility,LabChemSta3n
```

```
    Select
```

```
cast(count(INR1Result) as numeric(15,5)) as INRcount,
```

```
    LabChemSta3n as Sta3n,
```

```
    s.Facility
```

```
    into #INRsevendays
```

```
from #TherapeuticDays td
```

```
left outer join [vdwork].dim.VistASite s
```

```
on LabChemSta3n = s.Sta3n
```

where

```
    td.INR1Result >= 4.0
```

```
    and INR1Date >= @OneYearAgo
```

```
    and td.TimeBetweenSamples <= 7
```

```
group by
```

```
    s.Facility,LabChemSta3n
```

Truncate Table [V01DW].[VHA01\VHAV01ArtoR].AntiCoagT3

Insert into [V01DW].[VHA01\VHAV01ArtoR].AntiCoagT3

(

DataSet,

```

Sta3n,
Facility,
ProportionOfInstance
)
Select
    'HighINR' AS DataSet,
a.Sta3n,
    a.Facility,
    b.INRcount / a.INRcount as ProportionOfInstanceHighINR

    from #AllHighInstances a left join #INRsevendays b
    on a.Facility = b.Facility and
    a.Sta3n = b.Sta3n
    group by a.Sta3n,
    a.Facility, a.INRcount,b.INRcount

/*****test***/
/*select

    INR1Result,
    td.TimeBetweenSamples,
    LabChemSta3n as Sta3n,
    s.Facility

from
    #TherapeuticDays td
    /*td contains data for chronic warfarin patients with a-fib dx
    might need to write an additional INROrder and #TherapeuticDays dataset if need
different
    cohort conditions*/
    left outer join [vdwork].dim.VistASite s
    on LabChemSta3n = s.Sta3n
where
    td.INR1Result <= 1.5
    and INR1Date >= @OneYearAgo
    and LabChemSta3n = '523'

select

    INR1Result,
    td.TimeBetweenSamples,
    LabChemSta3n as Sta3n,
    s.Facility

from
    #TherapeuticDays td
    /*td contains data for chronic warfarin patients with a-fib dx

```

might need to write an additional INROrder and #TherapeuticDays dataset if need
different

```
cohort conditions*/  
left outer join [vdwwork].dim.VistASite s  
on LabChemSta3n = s.Sta3n
```

where

```
td.INR1Result <= 1.5  
and INR1Date >= @OneYearAgo  
and LabChemSta3n = '523'  
and td.TimeBetweenSamples <= 7  
end of test*/
```

```
/* Proportion of instances where the next INR occurs within 7 days or less with an INR <= 1.5*/  
IF OBJECT_ID('tempdb..#AllLowInstances') IS NOT NULL DROP TABLE #AllLowInstances  
IF OBJECT_ID('tempdb..#INRsevendaysLow') IS NOT NULL DROP TABLE #INRsevendaysLow
```

select

```
cast(count(INR1Result) as numeric(15,5)) as INRcount,  
LabChemSta3n as Sta3n,  
s.Facility into #AllLowInstances
```

from

```
#TherapeuticDays td  
/*td contains data for chronic warfarin patients with a-fib dx  
might need to write an additional INROrder and #TherapeuticDays dataset if need
```

different

```
cohort conditions*/  
left outer join [vdwwork].dim.VistASite s  
on LabChemSta3n = s.Sta3n
```

where

```
td.INR1Result <= 1.5  
and INR1Date >= @OneYearAgo
```

group by

```
s.Facility,LabChemSta3n
```

```
Select  
cast(count(INR1Result) as numeric(15,5)) as INRcount,  
LabChemSta3n as Sta3n,  
s.Facility  
into #INRsevendaysLow  
from #TherapeuticDays td  
left outer join [vdwwork].dim.VistASite s  
on LabChemSta3n = s.Sta3n
```

where

```

td.INR1Result <= 1.5
and INR1Date >= @OneYearAgo
and td.TimeBetweenSamples <= 7
group by
s.Facility,LabChemSta3n

```

```

Insert into [V01DW].[VHA01\VHAV01ArtoR].AntiCoagT3
(
DataSet,
Sta3n,
Facility,
ProportionOfInstance
)
Select
    'LowINR' AS DataSet,
a.Sta3n,
    a.Facility,
    b.INRcount / a.INRcount as ProportionOfInstanceLowINR

    from #AllLowInstances a left join #INRsevendaysLow b
    on a.Facility = b.Facility and
    a.Sta3n = b.Sta3n
    group by a.Sta3n,
    a.Facility, a.INRcount,b.INRcount

```

/*kpi4:% patients warfarin a-fib with 4 INRs or greater in the last 12 months mean INR 2.3 - 2.7 **/

```

IF OBJECT_ID('tempdb..#ChronicWarfarinWithAFibAndINRCohort2') IS NOT NULL DROP TABLE
#ChronicWarfarinWithAFibAndINRCohort2
--declare @SixYearsAgo as datetime = dateadd(year,-6,cast(getdate() as date))
declare @twelveMonthsAgo as datetime = dateadd(month,-12,cast(getdate() as date))
--declare @ChronicWarfarinDays as datetime = dateadd(day,-42,cast(getdate() as date))
--declare @ValveReplacementTimeWindow as datetime = dateadd(day,-730,cast(getdate() as date))
select  distinct
        c.PatientSID
        ,c.PatientICN
        ,c.PatientName
        ,c.PatientSta3n
        ,c.PatientSSN
        ,case when valverep.PatientSID IS NULL then 0 else 1 end as ValveReplacement
into
    #ChronicWarfarinWithAFibAndINRCohort2
from
    #ActiveWarfarinCohort c
    inner join [vdwwork].outpat.VDiagnosis vd

```

```

        on c.PatientSID = vd.PatientSID
    inner join (select distinct ICDSID from [vdwork].Dim.ICD where ICDCode = '427.31') afibicd
        on vd.ICDSID = afibicd.ICDSID
    left outer join [vdwork].outpat.ProblemList pl
        on c.PatientSID = pl.PatientSID and pl.ICDSID = afibicd.ICDSID
    inner join (select
                        distinct c.PatientSID,
                        COUNT(distinct l.LabChemSID) as INRCount
                    from
                        #ActiveWarfarinCohort c
                        inner join [vdwork].Chem.LabChem l
                            on c.PatientSID = l.PatientSID
                        left outer join [vdwork].dim.LabChemTest t
                            on l.LabChemTestSID = t.LabChemTestSID
                    where
                        t.[LabChemTestName] like '%INR%' --and t.LabChemTestName
<> 'PT/inr'
                        and l.LabChemSpecimenDateTime >=
@twelveMonthsAgo
                    group by
                        c.PatientSID
                    ) inrcount
        on c.PatientSID = inrcount.PatientSID

    left outer join (select distinct PatientSID
                        from [vdwork].outpat.VDiagnosis vd
                        inner join [vdwork].dim.ICD valveicd on vd.ICDSID =
valveicd.ICDSID
                        where vd.VDiagnosisDateTime >=
@ValveReplacementTimeWindow
                        and valveicd.ICDCode = 'V43.3') valverep
        on c.PatientSID = valverep.PatientSID

where
    /*Diagnosis of atrial fibrillation: Patient's are classified as having AF if
    they have an AF diagnosis active in their problem list or if they have had
    an encounter coded for AF in the past 6 years.*/
    (vd.VisitDateTime >= @SixYearsAgo
        or pl.ActiveFlag = 'Y')

    /*had 4 INRs in last 12 months (12 month filter in above subquery)*/
    and inrcount.INRCount >= 4

    /*include only "chronic" warfarin patients - those whose 1st warfarin Rx is not within last 42
days*/
    and c.FirstWarfarinRxDate < @ChronicWarfarinDays

    /*Exclude Patients that had Valve replacement in the last 730 days*/

```

and valverep.PatientSID IS NULL

/*Kpi4*/

IF OBJECT_ID('tempdb..#KPI4Results ') IS NOT NULL DROP TABLE #KPI4Results

```
select
PatientSID,
LabChemSta3n as PatientSta3n,
s.Facility,
cast(AVG(INR1Result) as numeric(15,5)) as MeanINRvalue
into #KPI4Results
from
#TherapeuticDays td
/*td contains data for chronic warfarin patients with a-fib dx
might need to write an additional INROrder and #TherapeuticDays dataset if need different
cohort conditions*/
left outer join [vdwwork].dim.VistASite s
on LabChemSta3n = s.Sta3n
where
INR1Date >= @twelveMonthsAgo

group by
s.Facility,LabChemSta3n,PatientSID
```

```
/*kpi4 results*/
Insert Into [V01DW].[VHA01\VHAV01ArtoR].AntiCoagT1
(
Measure,
DataSet,
PatientSta3n,
Facility,
ActualPercent,
Target,
TotalPatients,
NotMet
)
```

```
select distinct
'% Patients at site with AF whose mean INR value the past 12 months is between 2.3 and 2.7' as
Measure,
'kpi4' as DataSet,
c4.PatientSta3n,
s.Facility,
```

```

        cast(kpi4.PatientCount as numeric(20,4)) / cast(kpi4totals.PatientCount as numeric(20,4)) as
PatientsINR2_3_2_7,
        0.95 as Target,
        kpi4totals.PatientCount as TotalPatients,
        Kpi4Totals.PatientCount - kpi4.PatientCount as NotMet
from
        #ChronicWarfarinWithAFibAndINRCohort2 c4
        left outer join (select distinct
                                k4.PatientSta3n,
                                COUNT(distinct k4.PatientSID) as PatientCount
                        from
                                #KPI4Results k4
                        where
                                k4.MeanINRvalue >= 2.3 and k4.MeanINRvalue <= 2.7
                        group by
                                PatientSta3n
                        ) kpi4
                on c4.PatientSta3n = kpi4.Patientsta3n
        left outer join (select distinct
                                k4.PatientSta3n,
                                COUNT(distinct k4.PatientSID) as PatientCount
                        from
                                #KPI4Results k4
                        group by
                                PatientSta3n
                        ) kpi4totals
                on c4.PatientSta3n = kpi4totals.Patientsta3n
        left outer join [vdwwork].dim.VistASite s
                on c4.PatientSta3n = s.Sta3n

order by
        s.facility

/*kpi4 extended drill down patient detail not meeting measure */
IF OBJECT_ID('tempdb..##allkpi4') IS NOT NULL DROP TABLE #allkpi4
IF OBJECT_ID('tempdb..#measurekpi4') IS NOT NULL DROP TABLE #measurekpi4
IF OBJECT_ID('tempdb..#patientnotmet4') IS NOT NULL DROP TABLE #patientnotmet4
SELECT

                                C4.PatientSID,
                                C4.PatientSta3n
                                into #allkpi4
FROM
                                #ChronicWarfarinWithAFibAndINRCohort c4
                                group by
                                c4.PatientSta3n,
                                c4.PatientSID

```


2.7

```
/*Patients that met measure*/
select
    INR4.PatientSta3n,
    INR4.PatientSID
    into #measurekpi4
    from
        #KPI4Results INR4
    where
        INR4.MeanINRvalue >= 2.3 and INR4.MeanINRvalue <=

        group by
            INR4.PatientSta3n,
            INR4.PatientSID

Select #allkpi4.* into #patientnotmet4
from #allkpi4 left outer join
#measurekpi4 m4
on
    #allkpi4.PatientSID = m4.PatientSID and
    #allkpi4.PatientSta3n = m4.PatientSta3n
where m4.PatientSID is null AND
    m4.PatientSta3n is null

Insert Into [VHA01\VHAV01ArtoR].AntiCoagPatdetail
(
    DataSet,
    PatientSID,
    PatientName,
    PatientSSN,
    PatientAddress,
    PatientPhone,
    PatientSta3n,
    Division,
    Clinic
)

Select distinct 'kpi4' as DataSet,
    C4.PatientSID,
    C4.PatientName,
    C4.PatientSSN,
    C4.PatientAddress,
    C4.PatientPhone,
    C4.PatientSta3n,
    C4.Division,
    C4.Clinic
from #ChronicWarfarinWithAFibAndINRCohort C4 inner join #patientnotmet4 p4
on c4.PatientSID = p4.PatientSID and
```

c4.PatientSta3n = p4.PatientSta3n

```
/** KPI 5** Proportion of patients that spent >= 10% of time with an INR <
1.5 (for patients with 4 or more INRs w/in 6 mo and
having active warfarin prescription and a-fib diagnosis.
Group into one row per patient with overall TTR result***/
IF OBJECT_ID('tempdb..#KPI5Results') IS NOT NULL DROP TABLE #KPI5Results
select
    PatientSID,
    PatientName,
    #TherapeuticDays.LabChemSta3n as PatientSta3n,
    SUM(TherapeuticDaysKPI5) / SUM(TimeBetweenSamples) as PctAboveThreshold
into
    #KPI5Results
from
    #TherapeuticDays
group by
    PatientSID, PatientName, #TherapeuticDays.LabChemSta3n

/*KPI 5 results*/
Insert Into [V01DW].[VHA01\VHAV01ArtoR].AntiCoagT1
(
    Measure,
    DataSet,
    PatientSta3n,
    Facility,
    ActualPercent,
    Target,
    TotalPatients,
    NotMet
)
select distinct
    'Proportion of patients that spent >= 10% of time with an INR <
1.5' as Measure,
    'kpi5' as DataSet,
    c.PatientSta3n,
    s.Facility,
    cast(kpi5.PatientCount as numeric(20,4)) / cast(kpi5totals.PatientCount as numeric(20,4)) as
ActualPercent,
    0.07 as Target,
    kpi5totals.PatientCount as TotalPatients,
    kpi5totals.PatientCount - kpi5.PatientCount as NotMet
```

```

from
    #ChronicWarfarinWithAFibAndINRCohort c
    left outer join (select distinct
                        k5.PatientSta3n,
                        COUNT(distinct k5.PatientSID) as PatientCount
                    from
                        #KPI5Results k5
                    where
                        k5.PctAboveThreshold >= 0.1
                    group by
                        PatientSta3n
                    ) kpi5
        on c.PatientSta3n = kpi5.Patientsta3n
    left outer join (select distinct
                        k5.PatientSta3n,
                        COUNT(distinct k5.PatientSID) as PatientCount
                    from
                        #KPI5Results k5
                    group by
                        PatientSta3n
                    ) kpi5totals
        on c.PatientSta3n = kpi5totals.Patientsta3n
    left outer join [vdwork].dim.VistASite s
        on c.PatientSta3n = s.Sta3n

order by
    s.facility

```

```

/*kpi5 extended drill down patient detail not meeting measure */
IF OBJECT_ID('tempdb..#allkpi5') IS NOT NULL DROP TABLE #allkpi5
IF OBJECT_ID('tempdb..#measurekpi5') IS NOT NULL DROP TABLE #measurekpi5
IF OBJECT_ID('tempdb..#patientnotmet5') IS NOT NULL DROP TABLE #patientnotmet5
SELECT

```

```

    C5.PatientSID,
    C5.PatientSta3n
    into #allkpi5
FROM
    #ChronicWarfarinWithAFibAndINRCohort c5
    group by
    c5.PatientSta3n,
c5.PatientSID

```

```

/*Patients that met measure*/

```

```

select
    INR5.PatientSta3n,
    INR5.PatientSID
    into #measurekpi5
    from
        #KPI5Results INR5
    where
        INR5.PctAboveThreshold > 0.1
    group by
        INR5.PatientSta3n,
        INR5.PatientSID

```

```

Select #allkpi5.* into #patientnotmet5
from #allkpi5 left outer join
#measurekpi5 m5
on
    #allkpi5.PatientSID = m5.PatientSID and
    #allkpi5.PatientSta3n = m5.PatientSta3n
where m5.PatientSID is null AND
    m5.PatientSta3n is null

```

```

Insert Into [VHA01\VHAV01ArtoR].AntiCoagPatdetail
(
    DataSet,
    PatientSID,
    PatientName,
    PatientSSN,
    PatientAddress,
    PatientPhone,
    PatientSta3n,
    Division,
    Clinic
)

```

Select distinct 'kpi5' as DataSet,

```

        C5.PatientSID,
        C5.PatientName,
        C5.PatientSSN,
        C5.PatientAddress,
        C5.PatientPhone,
        C5.PatientSta3n,
        C5.Division,
        C5.Clinic
from #ChronicWarfarinWithAFibAndINRCohort C5 inner join #patientnotmet5 p5
on c5.PatientSID = p5.PatientSID and
    c5.PatientSta3n = p5.PatientSta3n

```

```
/*KPI 6: warfarin patients with INR in the last 42 days*/
```

```
declare @INRTIMEWindow2 as datetime = dateadd(day,-42,cast(GETDATE() as date))
```

```
Insert Into [V01DW].[VHA01\VHAV01ArtoR].AntiCoagT1
```

```
(
Measure,
DataSet,
PatientSta3n,
Facility,
ActualPercent,
Target,
TotalPatients,
NotMet
)
select distinct
```

```
    '% Patients with Active Warfin RX and INR in the past 42 days' as Measure,
    'kpi6' as DataSet,
        c.PatientSta3n,
        s.Facility,
        --KPI1Met.PatientCount as KPI1Met,
        cast(KPI6Met.PatientCount as numeric(20,4)) / cast(KPI6Totals.PatientCount as numeric(20,4))
as INRinLast42Days,
    0.95 as Target,
    KPI6Totals.PatientCount as TotalPatients,
    KPI6Totals.PatientCount - KPI6Met.PatientCount as NotMet
from
    #ActiveWarfarinCohort c
    left outer join (select distinct
```

```
        PatientSta3n,
        COUNT(distinct c.PatientSID) as PatientCount
```

```
from
```

```
    #ActiveWarfarinCohort c
```

```
        left outer join [vdwork].Chem.LabChem I
        on c.PatientSID = I.PatientSID
```

```
        left outer join [vdwork].dim.LabChemTest t
        on I.LabChemTestSID =
```

```
t.LabChemTestSID
```

```
where
```

```
t.[LabChemTestName] like '%INR%' --and
```

```
t.LabChemTestName <> 'PT/inr'
```

```
and I.LabChemSpecimenDateTime >=
```

```
@INRTIMEWindow2
```

```

                                group by
                                    PatientSta3n
                                ) KPI6Met
                        on c.PatientSta3n = KPI6Met.Patientsta3n
left outer join (select distinct
                                PatientSta3n,
                                COUNT(PatientName) as PatientCount
                            from
                                #ActiveWarfarinCohort
                            group by
                                PatientSta3n
                            ) KPI6Totals
                        on c.PatientSta3n = KPI6Totals.Patientsta3n
left outer join [vdwork].dim.VistASite s
                        on c.PatientSta3n = s.Sta3n

order by
    s.facility

/*kpi 6 Patient detail drill down of patients not meeting measure. */

IF OBJECT_ID('tempdb..#allkpi6') IS NOT NULL DROP TABLE #allkpi6
IF OBJECT_ID('tempdb..#measurekpi6') IS NOT NULL DROP TABLE #measurekpi6
IF OBJECT_ID('tempdb..#patientnotmet6') IS NOT NULL DROP TABLE #patientnotmet6
SELECT

                                C.PatientSID,
                                C.PatientSta3n
                                into #allkpi6
FROM
                                #ActiveWarfarinCohort c
                                group by
                                    c.PatientSta3n,
                                c.PatientSID

                                /*Patients that met measure*/
                                select
                                    PatientSta3n,
                                    c.PatientSID
                                    into #measurekpi6
                                from
                                    #ActiveWarfarinCohort c
                                left outer join [vdwork].Chem.LabChem l1
                                    on c.PatientSID = l1.PatientSID

```

```

left outer join [vdwwork].dim.LabChemTest t1
on l1.LabChemTestSID =

t1.LabChemTestSID

where
t1.[LabChemTestName] like '%INR%' --and

t.LabChemTestName <> 'PT/inr'

and l1.LabChemSpecimenDateTime >=

@INRTimeWindow2

group by
c.PatientSta3n,
c.PatientSID

Select #allkpi6.* into #patientnotmet6
from #allkpi6 left outer join
#measurekpi6 m6
on
#allkpi6.PatientSID = m6.PatientSID and
#allkpi6.PatientSta3n = m6.PatientSta3n
where m6.PatientSID is null AND
m6.PatientSta3n is null

Insert Into [VHA01\VHAV01ArtoR].AntiCoagPatdetail
(
DataSet,
PatientSID,
PatientName,
PatientSSN,
PatientAddress,
PatientPhone,
PatientSta3n,
Division,
Clinic
)

Select distinct 'kpi6' as DataSet,
C6.PatientSID,
C6.PatientName,
C6.PatientSSN,
C6.PatientAddress,
C6.PatientPhone,
C6.PatientSta3n,
C6.Division,
C6.Clinic

from #ActiveWarfarinCohort c6 inner join #patientnotmet6 p6
on c6.PatientSID = p6.PatientSID and
c6.PatientSta3n = p6.PatientSta3n

```

end

GO