

use conversion

```
Select Table1.P_LastName, Table1.P_FirstName, Table1.PatientID,  
CONVERT(Char(10), MIN(TABLE2.SOCDate), 101) AS SOCDate,  
TABLE2.POT_Discharge_Date,  
TABLE2.POT_Discharge_Reason_Code AS ReasonOrCode  
FROM Table1  
  
join TABLE2 on Table1.PatientID = TABLE2.PatientID  
  
join Table3 on Table1.PatientID = Table3.Auth_PatientID  
  
TABLE2.POT_Discharge_Reason_Code  
  
WHERE TABLE2.POT_Discharge_Date IS NULL  
  
AND Table1.PatientID = @PatientID  
  
GROUP BY Table1.P_LastName, Table1.P_FirstName, Table1.PatientID,  
TABLE2.POT_Discharge_Date, TABLE2.POT_Discharge_Reason_Code  
  
  
--UNION  
  
IF (object_id ('tempdb.dbo.#SOCDateBigInt') is not null) DROP TABLE  
#SOCDateBigInt  
  
GO  
  
IF (object_id ('tempdb.dbo.#SOCBegin') is not null) DROP TABLE #SOCBegin  
  
GO
```

```
IF (object_id ('tempdb.dbo.#SOCMax') is not null) DROP TABLE #SOCMax  
GO
```

```
CREATE TABLE #SOCDateBigInt(  
LastName varchar(50),  
FirstName varchar(50),  
PatientID varchar(20),  
SOCStart varchar(30),  
DischargeDate datetime,  
ReasonOrCode varchar(50) )
```

```
INSERT INTO #SOCDateBigInt (LastName, FirstName, PatientID, SOCStart,  
DischargeDate, ReasonOrCode)
```

```
SELECT Table1.P_LastName, Table1.P_FirstName,  
Table1.PatientID,  
CAST(CONVERT(datetime,Table3.Auth_Period_Begin) as bigint),  
TABLE2.POT_Discharge_Date, Table4.SolomonDesc  
FROM Table1  
join TABLE2 on Table1.PatientID = TABLE2.PatientID  
join Table3 on Table1.PatientID = Table3.Auth_PatientID  
join Table4 on Table4.Discharge_Code =  
TABLE2.POT_Discharge_Reason_Code  
WHERE TABLE2.POT_Discharge_Date IS NOT NULL
```

```
GROUP BY Table1.P_LastName, Table1.P_FirstName, Table1.PatientID,  
Table3.Auth_Period_End, Table3.Auth_Period_Begin,  
TABLE2.POT_Discharge_Date, TABLE2.POT_Discharge_Reason_Code,  
Table4.SolomonDesc  
HAVING CAST(CONVERT(datetime,Table3.Auth_Period_Begin) as bigint) <>  
CAST(CONVERT(datetime,Table3.Auth_Period_End) as bigint)
```

```
--SELECT * FROM #SOCDateBigInt
```

```
CREATE TABLE #SOCMax(  
LastName varchar(50),  
FirstName varchar(50),  
PatientID varchar(20),  
SOCDate varchar(30),  
DischargeDate datetime,  
ReasonOrCode varchar(50))
```

```
INSERT INTO #SOCMax (LastName, FirstName, PatientID, SOCDate, DischargeDate,  
ReasonOrCode)
```

```
SELECT LastName, FirstName, PatientID, MIN(SOCStart), DischargeDate,  
ReasonOrCode
```

```
FROM #SOCDateBigInt
```

```
GROUP BY LastName, FirstName, PatientID, DischargeDate, ReasonOrCode
```

```
--SELECT * from #SOCMax
```

```
CREATE TABLE #SOCBegin(
```

```
  LastName varchar(50),
```

```
  FirstName varchar(50),
```

```
  PatientID varchar(20),
```

```
  SOCDate varchar(30),
```

```
  DischargeDate datetime,
```

```
  ReasonOrCode varchar(50) )
```

```
INSERT INTO #SOCBegin (LastName, FirstName, PatientID, SOCDate, DischargeDate,  
ReasonOrCode)
```

```
SELECT LastName,FirstName, PatientID,
```

```
CAST(CONVERT(bigint,SOCDate) as datetime) AS StartDate,
```

```
DischargeDate, ReasonOrCode
```

```
FROM #SOCMAX
```

```
GROUP BY LastName, FirstName, PatientID, SOCDate, DischargeDate, ReasonOrCode
```

```
SELECT * FROM #SOCBegin WHERE PatientID = @PatientID
```

```
DROP TABLE #SOCDateBigInt
```

```
DROP TABLE #SOCBegin
```

```
DROP TABLE #SOCMax
```

```
IF (object_id ('tempdb.dbo.#SOCDateBigInt2') is not null) DROP TABLE  
#SOCDateBigInt2
```

```
GO
```

```
IF (object_id ('tempdb.dbo.#SOCBegin2') is not null) DROP TABLE #SOCBegin2
```

```
GO
```

```
IF (object_id ('tempdb.dbo.#SOCMax2') is not null) DROP TABLE #SOCMax2
```

```
GO
```

```
CREATE TABLE #SOCDateBigInt2(
```

```
LastName varchar(50),
```

```
FirstName varchar(50),
```

```
T_PatientID varchar(20),
```

```
H_PatientID varchar(20),
```

```
SOCStart varchar(30),
```

```
DischargeDate datetime,
```

```
ReasonOrCode varchar(50) )
```

```
INSERT INTO #SOCDateBigInt2 (LastName, FirstName, T_PatientID, H_PatientID,  
SOCStart, DischargeDate,
```

```
ReasonOrCode)
```

```
SELECT Table1.P_LastName, Table1.P_FirstName,
```

```
Table1.PatientID, TABLE2.PatientID,
```

```
CAST(CONVERT(datetime,Table3.Auth_Period_Begin) as bigint),
```

```
TABLE2.POT_Discharge_Date, Table4.SolomonDesc
```

```
FROM Table1
```

```
left join TABLE2 on Table1.PatientID = TABLE2.PatientID
```

```
join Table3 on Table1.PatientID = Table3.Auth_PatientID
```

```
join Table4 on Table4.Discharge_Code = TABLE2.POT_Discharge_Reason_Code
```

```
WHERE TABLE2.PatientID IS NULL
```

```
GROUP BY Table1.P_LastName, Table1.P_FirstName, Table1.PatientID,
```

```
TABLE2.PatientID, Table3.Auth_Period_Begin, Table3.Auth_Period_End,
```

```
TABLE2.POT_Discharge_Date, Table4.SolomonDesc
```

```
HAVING CAST(CONVERT(datetime,Table3.Auth_Period_Begin) as bigint) <>
```

```
CAST(CONVERT(datetime,Table3.Auth_Period_End) as bigint)
```

```
--SELECT * FROM #SOCDateBigInt2
```

```
CREATE TABLE #SOCMax2(  
LastName varchar(50),
```

```
FirstName varchar(50),  
T_PatientID varchar(20),  
SOCDate varchar(30),  
DischargeDate datetime,  
ReasonOrCode varchar(50))
```

```
INSERT INTO #SOCMax2 (LastName, FirstName, T_PatientID, SOCDate,  
DischargeDate, ReasonOrCode)
```

```
SELECT LastName, FirstName, T_PatientID, MIN(SOCStart), DischargeDate,  
ReasonOrCode
```

```
FROM #SOCDateBigInt2
```

```
WHERE H_PatientID IS NULL
```

```
GROUP BY LastName, FirstName, T_PatientID, DischargeDate, ReasonOrCode
```

```
--SELECT * from #SOCMax2
```

```
CREATE TABLE #SOCBegin2(  
LastName varchar(50),  
FirstName varchar(50),  
T_PatientID varchar(20),
```

SOCDate varchar(30),

DischargeDate datetime,

ReasonOrCode varchar(50))

INSERT INTO #SOCBegin2 (LastName, FirstName, T_PatientID, SOCDate,
DischargeDate, ReasonOrCode)

SELECT LastName,FirstName, T_PatientID,

CAST(CONVERT(bigint,SOCDate) as datetime) AS StartDate,

DischargeDate, ReasonOrCode

FROM #SOCMax2

GROUP BY LastName, FirstName, T_PatientID, SOCDate, DischargeDate,
ReasonOrCode

SELECT * FROM #SOCBegin2

WHERE T_PatientID = @PatientID

DROP TABLE #SOCDateBigInt2

DROP TABLE #SOCBegin2

DROP TABLE #SOCMax2

SELECT DISTINCT Table1.P_LastName AS 'Last Name', Table1.P_FirstName AS 'First
Name',

Auth_PatientID AS PatientID,

'SOC Date' =

```
CASE
    WHEN Table3.Auth_Period_Begin < '1/1/2007'
        Then 'A - May need to adjust manually'
    WHEN TABLE2.SOCDate < '1/1/2007'
        THEN 'H - May need to adjust manually'
    ELSE 'Old or not available'
END

FROM Table3

join Table1 on Table1.PatientID = Table3.Auth_PatientID
join TABLE2 on TABLE2.PatientID = Table3.Auth_PatientID
WHERE Auth_Period_Begin < '1/1/2007'
AND TABLE2.POT_Authorization IS NOT NULL
AND Auth_PatientID = @PatientID

OR

TABLE2.SOCDate < '1/1/2007'
AND TABLE2.POT_Authorization IS NOT NULL
AND Auth_PatientID = @PatientID

GROUP BY Auth_PatientID, Table1.P_LastName, Table1.P_FirstName,
Table3.Auth_Period_Begin, TABLE2.SOCDate

ORDER BY Auth_PatientID
```