```sql
-- ***** Professional Billing Procedures (CPT Codes) *****
SELECT DISTINCT
        PATIENT.PAT_MRN_ID AS Global_Patient_ID,
        CAST(ARPB_TRANSACTIONS.PAT_ENC_CSN_ID AS VARCHAR(100)) AS Visit_ID,
        ARPB_TRANSACTIONS.SERVICE_DATE AS Date_of_Service_Start,
        CLARITY_EAP.PROC_CODE AS Procedure_Code
FROM
        ARPB_TRANSACTIONS
        LEFT OUTER JOIN PATIENT
                ON (ARPB_TRANSACTIONS.PATIENT_ID = PATIENT.PAT_ID)
        LEFT OUTER JOIN CLARITY_EAP
                ON (ARPB_TRANSACTIONS.PROC_ID = CLARITY_EAP.PROC_ID)
WHERE
        (ARPB_TRANSACTIONS.SERVICE_DATE >= @STARTDATE)
        AND (ARPB_TRANSACTIONS.SERVICE_DATE < @ENDDATE)
        AND (ARPB_TRANSACTIONS.TX_TYPE_C = 1)   -- 1 (Charge), [2 (Payment), 3 (Adjustment)]
        AND (ARPB_TRANSACTIONS.VOID_DATE IS NULL) -- Specifically noted in documentation to be used in record selection to identify voided
transactions
        -- AND ( DEBIT_CREDIT_FLAG = 1 ) -- Redundant - a charge is always a debit transaction
        AND (PATIENT.PAT_MRN_ID IS NOT NULL)
        AND (CLARITY_EAP.PROC_CODE IS NOT NULL)


-- ***** Professional Billing Diagnoses (ICD9/ICD10)*****

SELECT DISTINCT
        PATIENT.PAT_MRN_ID AS Global_Patient_ID,
        CAST(ARPB_TRANSACTIONS.PAT_ENC_CSN_ID AS VARCHAR(100)) AS Visit_ID,
        ARPB_TRANSACTIONS.SERVICE_DATE AS Date_of_Service_Start,
        CLARITY_EDG.REF_BILL_CODE AS Diagnosis_Code,
        (CASE CLARITY_EDG.REF_BILL_CODE_SET_C
          WHEN 1 THEN 'ICD9'
          WHEN 2 THEN 'ICD10'
          ELSE 'ICD_UNKNOWN'
```

```
         END) AS Diagnosis_Lexicon,
         (CASE TX_DIAG.LINE
           WHEN 1 THEN 1
           ELSE 0
          END) AS Was_Primary_Diagnosis
FROM
         ARPB_TRANSACTIONS
         LEFT OUTER JOIN PATIENT
                ON (ARPB_TRANSACTIONS.PATIENT_ID = PATIENT.PAT_ID)
         LEFT OUTER JOIN TX_DIAG
                ON (ARPB_TRANSACTIONS.TX_ID = TX_DIAG.TX_ID)
         LEFT OUTER JOIN CLARITY_EDG
                ON (TX_DIAG.DX_ID = CLARITY_EDG.DX_ID)
WHERE
         (ARPB_TRANSACTIONS.SERVICE_DATE >= @STARTDATE)
         AND (ARPB_TRANSACTIONS.SERVICE_DATE < @ENDDATE)
         AND (ARPB_TRANSACTIONS.TX_TYPE_C = 1)   -- 1 (Charge), [2 (Payment), 3 (Adjustment)]
         AND (ARPB_TRANSACTIONS.VOID_DATE IS NULL) -- Specifically noted in documentation to be used in record selection to identify voided
transactions
         -- AND ( DEBIT_CREDIT_FLAG = 1 ) -- Redundant - a charge is always a debit transaction
         AND (PATIENT.PAT_MRN_ID IS NOT NULL)
         AND (CLARITY_EDG.REF_BILL_CODE IS NOT NULL)
```