ALGORITHM

- -START
- - IF NEW PATIENT,
    - -DECLARE VARIABLES NAMELY PATIENTNO, PLNAME, PFNAME, PMNAME, PADD, PCONTACTNO, PEMAIL, PMOBILE, PBDAY, PGENDER, PMEDICALINFO
    - -LET THE USER INPUT THE PATIENTNO, PLNAME, PFNAME, PMNAME
    - -PERFORM VERIFICATION OF PLNAME, PFNAME, PMNAME THE PATIENTS DATABSE TO CHECK IF EXIST.
    - -IF MATCH, UPDATE PADD, PCONTACTNO, PEMAIL, PMOBILE, PMEDICALINFO TO PATIENT RECORDS.
    - -ELSE, PERFORM ADD ALL PATIENT INFO TO PATIENT DATABASE.

    IF NOT NEW PATIENT
    - INPUT PATIENTNO,
    - DISPLAY THE PATIENT RECORD,
    - UPDATE PATIENT RECORD.
    - SAVE UPDATED RECORD TO DATABASE
- -END.

Pseudocode

- -BEGIN
- IF NEW PATIENT
- -INITIALIZE PATIENTNO=NULL PLNAME=NULL PFNAME=NULL PMNAME=NULL PADD=NULL PCONTACTNO=0 PEMAIL=NULL PMOBILE=0 PBDAY=NULL PGENDER=NULL PMEDICALINFO = NULL
- - INPUT PNO, PLNAME, PFNAME, PMNAME
- - IF PNO OR PLNAME AND PFNAME AND PMNAME = PATIENTINFO RECORD,
  - UPDATE PADD, PCONTACTNO, PEMAIL, PMOBILE, PBDAY, PMEDICALINFO
- -ELSE, INPUT PNO, PLNAME, PFNAME, PMNAME, PCONTACTNO, PEMAIL, PMOBILE, PBDAY, PGENDER, PMEDICALINFO
- OUTPUT PNO, PLNAME, PFNAME, PMNAME, PCONTACTNO, PEMAIL, PMOBILE, PBDAY, PGENDER, PMDEICALINFO TO DATABASE
- ELSE
  - INPUT PATIENTNO
  - UPDATE PATIENTINFO RECORD, UPDATE PADD, PCONTACTNO, PEMAIL, PMOBILE, PBDAY PGENDER=NULL PMEDICALINFO = NULL
  - -END

FLOWCHART