

# Republic of Turkey Ministry of Health

## **FAMILY MEDICINE INFORMATION SYSTEM (FMIS)**



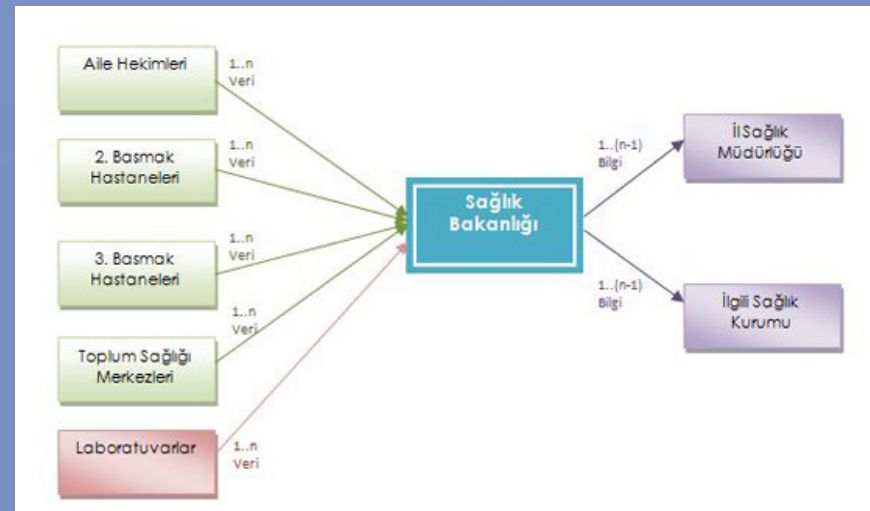


- “FAMILY MEDICINE” HAS BEEN IMPLEMENTED IN ALL THE PROVINCES IN TURKEY WITHIN THE SCOPE OF HEALTH TRANSFORMATION PROGRAM AND BRINGS IMPORTANT INNOVATIONS TO HEALTHCARE SERVICES AND TO DISCIPLINE OF THE *MINISTRY* ON COLLECTING DATA RELATED TO PRIMARY HEALTH CARE.





- THE MOST IMPORTANT ONE OF THESE INNOVATIONS IS “FAMILY MEDICINE INFORMATION SYSTEM” (FMIS). FMIS IS NOT ONLY A COMPUTER PROGRAM BUT ALSO A NEW STANDARD ON COLLECTING DATA FROM PRIMARY HEALTH CARE IN ALL THE PROVINCES IMPLEMENTING FAMILY MEDICINE SYSTEM AND USING THIS COLLECTED DATA IN THE MOST EFFECTIVE WAY.





- FMIS, EHRs INCLUDES ALL DATA RECORDED IN THE PROCESS OF PROVIDING SERVICE TO PATIENTS IN PRIMARY HEALTH CARE. THIS SYSTEM IS ESTABLISHED ON THE BASIS OF “FAMILY PHYSICIAN”, PRIMARILY RESPONSIBLE FOR THE PROVISION OF COMPREHENSIVE AND CONTINUING HEALTH CARE TO EVERY INDIVIDUAL.

- **FMIS IMPLEMENTATION FOLLOWS AN INDIVIDUAL BEFORE BIRTH AND ORGANIZES ALL OF THE HEALTH DATA. THIS INDIVIDUAL'S DEVELOPMENT IN THE WOMB, BIRTH METHOD AND OTHER DATA RELATED TO HIS/HER BIRTH ARE RECORDED TO THE SYSTEM THROUGH FMIS.**





- THUS, THESE DATA ARE RECORDED AS THE FIRST PIECES OF INDIVIDUAL'S LIFE-LONG HEALTH RECORD TO THE DATA BANK WHICH IS UNDER THE SUPERVISION OF FAMILY PHYSICIAN. INDIVIDUAL'S HEALTH RECORDS GROW WITH HIM/HER THROUGHOUT HIS/HER LIFE. DATA FOLLOW-UP (DATA IS OBTAINED BY REGULAR EXAMINATIONS) IS PROVIDED BY MATERNITY OBSERVATION MODULE, NEWBORN-CHILD OBSERVATION MODULE, WOMAN OBSERVATION MODULE (BETWEEN 15-49 YEARS OLD) AND OBESITY OBSERVATION MODULES.



# PERFORMANCE CRITERIA FOR FAMILY DOCTORS / PHYSICIANS IN FMIS



- NEWBORN OBSERVATION, VACCINATION FOLLOW-UP AND MATERNAL OBSERVATION HAVE AN IMPORTANT PLACE AMONG ALL HEALTH DATA SETS. MANAGEMENT AND TIMELY FOLLOW-UP OF THESE RECORDS ARE MAIN RESPONSIBILITIES OF FAMILY MEDICINE IN ACCORDANCE WITH IMPLEMENTATION REGULATIONS FOR FAMILY MEDICINE.



# PERFORMANCE CRITERIA FOR FAMILY DOCTORS / PHYSICIANS IN FMIS



- THE PERFORMANCE CRITERIA BASED ON THESE MAIN RECORDS ARE DEFINED FOR FAMILY MEDICINE. IN GENERAL, PERFORMANCE CRITERIA ARE FIGURED UP FOR ALL FAMILY DOCTORS/PHYSICIANS BY USING 5 SCALING FACTORS MENTIONED BELOW.



# Vaccination success rate:



- THE RATE OF NUMBER OF VACCINATION DONE- TO THE NUMBER OF VACCINATIONS SHOULD BE DONE. THE NUMBER OF VACCINATIONS TO BE DONE IS FIGURED UP ACCORDING TO VACCINATION CALENDARS OF REGISTERED NEWBORNS TO FAMILY MEDICINE. CENTRAL SYSTEM HAS ONE VACCINATION CALENDAR FOR EACH NEWBORN REGISTERED TO FAMILY MEDICINE. THE SUCCESS RATE IS FIGURED UP DYNAMICALLY BY USING THE NUMBERS OF VACCINATIONS DONE/EXPECTED TO BE DONE.

# Newborn-child observation success rate:



- THE RATE OF NUMBER OF NEWBORN-CHILD OBSERVATION DONE TO THE NUMBER OF NEWBORN-CHILD OBSERVATION SHOULD BE DONE. THIS ITEM IS SIMILAR TO VACCINATION SUCCESS RATE; HOWEVER, NEWBORN OBSERVATION CALENDARS ARE USED IN THIS ITEM. SEVEN DIFFERENT OBSERVATIONS SHOULD BE PROVIDED UNTIL THE BABY REACHES 10 MONTHS OLD IN ACCORDANCE WITH THESE CALENDARS.

# Maternal observation success rate:



- THE RATE OF NUMBER OF MATERNAL OBSERVATION DONE TO THE NUMBER OF MATERNAL OBSERVATION SHOULD BE DONE. MATERNAL OBSERVATION CALENDARS, DIVIDED THE PREGNANCY PERIOD INTO 4 DIFFERENT TIME ZONES ARE USED IN THIS ITEM. FOR EACH TIME PERIOD, AT LEAST ONE MATERNAL OBSERVATION SHOULD BE DONE BY RESPONSIBLE FAMILY PHYSICIAN.

# Referral rate:



- THIS RATE IS FIGURED UP OVER THE AVERAGE OF THE NUMBER OF REFERRALS BY FAMILY MEDICINE, TOTAL NUMBER OF PATIENTS REGISTERED TO FAMILY MEDICINE AND THE NUMBER OF VISITATIONS TO ANY HEALTH INSTITUTIONS IN TURKEY. FAMILY PHYSICIANS HAVE ENCOURAGED REFERRING THEIR PATIENTS TO SECONDARY HEALTH CARE FACILITIES BY THIS RATE, IF NECESSARY.

# Number of persons subjected to mobile service:



- FAMILY DOCTORS/PHYSICIANS SHOULD VISIT THE PATIENTS THAT ARE PHYSICALLY HANDICAPPED OR HAVING TRANSPORTATION DIFFICULTIES TO HOSPITALS. THESE VISITS ARE INCLUDED IN THE SCOPE OF MOBILE SERVICE.

# FMIS Decision and Support System



- FMIS DECISION AND SUPPORT SYSTEM PROVIDES A STATISTICAL OVERVIEW THROUGH DIFFERENT LEVELS OF PATIENT RECORDS IN THE PRIMARY CARE.



# FMIS Decision and Support System



- FOR EXAMPLE; PRODUCING STATISTICS ON NATION BASIS OR PRODUCING FILTERED STATISTICS IN ACCORDANCE WITH PROVINCES, DISTRICTS AND FAMILY MEDICINE CAN BE POSSIBLE THROUGH PATIENT RECORDS. WHILE PATIENT REGISTRIES ARE MONITORED AS STATISTICAL DATA, PATIENT RECORDS CAN ALSO BE GROUPED WITH ANY TITLES REQUIRED.

# FMIS Decision and Support System



- FOR EXAMPLE; ALL THE WOMEN WHO ARE IN THE LAST MONTH OF PREGNANCY CAN BE ACCESSED OR IN DETAILED WAY, RESPONSIBLE FAMILY PHYSICIAN CAN BE LEARNED BY JUST A SINGLE CLICK.