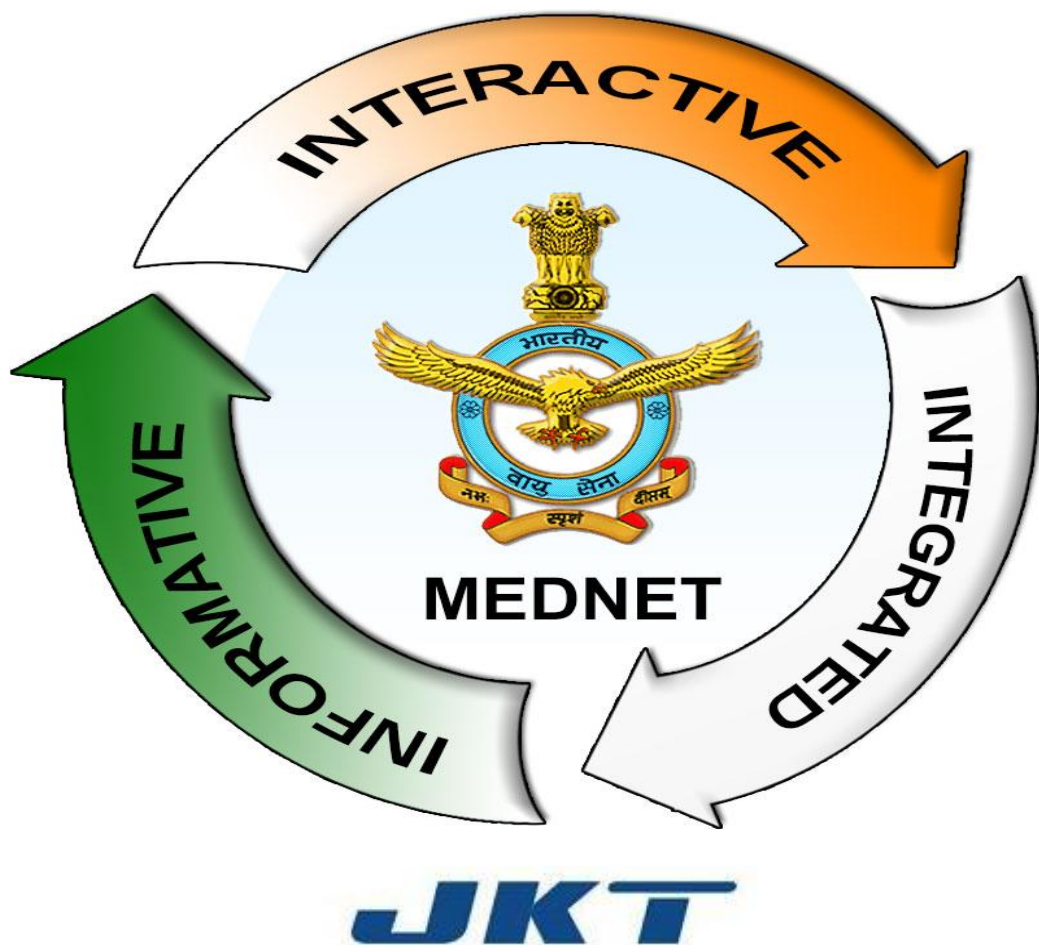


# IAF MEDNET

## Station Medicare Centre

### SHO Module

### User Manual



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# Introduction

Station Medicare Centers (SMCs) are the primary Medicare facilities at Air Force Wings and Stations. SMCs are small hospitals. They mainly function as OPD polyclinics with comprehensive lab, and provide physiotherapy, radiology and dental services. Additionally, they have medical admin module meeting stores, dispensary, aviation medicine, medical stats, and medical boards. The inpatient facility is limited.

The requirement is to develop web based application software integrated with existing available and underdevelopment IAF Medicare modules. This software is similar to hospital information system software in terms of generic content but the scope, functionality, presentation and outcomes will be different.

The software is smart, interactive, user friendly with more prompts to assist doctors and paramedics in all respects of medical care. Medical stores module provides for modern inventory control and cost analysis. Medical exam and medical board provides for integration with existing database software (Oracle based) and document management software (Archi doc).

The software is a comprehensive tool not only for quick paperless day to day functioning of the SMC but also provides for data search, analysis of time and trends, across all relevant fields to give meaningful health data for further research, analysis and planning.

# SHO Module

The SHO module takes care about complete activities of SHO like-

- ❖ Report of analysis on Malaria/ Filaria cases
- ❖ Report of analysis on Four wheelers/ Two wheelers accidents
- ❖ Report of analysis on Permanent and temporary restricted flying category
- ❖ Report of analysis on qtly counseling records of medical board
- ❖ Report of analysis on qtly incidence of preventable disease
- ❖ Report of analysis on mortality amongst families
- ❖ Report of analysis on psychoneurosis/ suicide cases
- ❖ Report of analysis on monthly workload of each smc's

## Malaria Case

Individual will enter the details of service personnel or his/her family member, affected by malaria.

MALARIA CASE					
Service No.	25571	HIN		Rank	
Name		Trade/Branch		Unit	
Relation		Patient Name		Gender	
Age		Address		Contact No.	
Date of Onset	28/05/2012	Date of Admission	28/05/2012	Species	Pf
Type	FI	Forward To	GP NT Manikantan		
<input type="button" value="FORWARD"/>					

**Service No.:** It is an enterable field. Here, the service no. of the service personnel should be entered. It is a unique number assigned to the service personnel. It cannot have null values.

**HIN:** Hospital Index Number (HIN) combo will populate based on the service no. entered. It is a combination of Service Type/Service status/Service number/ Relation to the service personnel/ Serial No. It will be a unique no for the entire patient care system. This no. gets assigned to the patient at the time of registration and it will be the same for life time for that particular patient.

**Rank:** The Rank of the service personnel. The values will come automatically from database on behalf of service no. entered.

**Name:** The Name of the Service Personnel. The values will come automatically from database on behalf of service no. entered.

**Trade/ Branch:** This will be the name of Trade/Branch of the service personnel. The values will come automatically from database on behalf of service no. entered.

**Unit:** This will be the Unit of the service personnel. The values will come automatically from database on behalf of service no. entered.

**Relation:** The Relation to the service personnel. It will be a Display field. It will be displayed on the basis of HIN.

**Patient Name:** The name of the Patient. It is a combination of Patient's First Name, Middle Name and Last Name. It will be a Display field. It will be displayed on the basis of HIN.

**Gender:** The values will come automatically from database on behalf of service no. entered.

**Age:** The values will come automatically from database on behalf of service no. entered.

**Address:** The values will come automatically from database on behalf of service no. entered.

**Contact No. :** The values will come automatically from database on behalf of service no. entered.

**Date of Onset:** This will be an enterable field.

**Date of Admission:** The values will come automatically from database on behalf of service no.

**Species:** This will be drop down list from which user may choose any of these, Pf/ Pv/ Pm/ Po/ Mixed.

**Type:** This will be drop down list from which user may choose any of these, FI/ FL/ Relapse

**Forward To :** This will be drop down list from which user may choose the name of Medical officer , who will validate the form.

**Forward :** This will save and forward the form to MO.

## Malaria Case – (SMO)

This screen is for MO, where he will validate the entries entered by the individual of SHO.

MALARIA CASE					
Service No.	25571	HIN	0201255710302	Rank	Wg Cdr
Name	RENUKA	Trade/ Branch	Med	Unit	AIR HQ RKP
Relation	Son	Patient Name	ARMANIT GARG	Gender	Male
Age	13 Years	Address	1504,Millenia Emerald Heigh	Contact	8860119923
Date of Onset	2012-06-11	Date of Admission		Species	Pf
Type	FI	Transmission	Local		
<input type="button" value="VALIDATE"/>					

**Service No.:** It'll be a display field. Here, the service no. of the service personnel should be entered. It is a unique number assigned to the service personnel. It cannot have null values.

**HIN:** Hospital Index Number (HIN) combo will populate based on the service no. entered. It is a combination of Service Type/Service status/Service number/ Relation to the service personnel/ Serial No. It will be a unique no for the entire patient care system. This no. gets assigned to the patient at the time of registration and it will be the same for life time for that particular patient.

**Rank:** The Rank of the service personnel. The values will come automatically from database

**Name:** It displays from patient registration table. It's read only.

**Trade/ Branch:** It displays from patient registration table. It's read only.

**Rank:** It displays from patient registration table. It is read only.

**Name:** The Name of the Service Personnel. The values will come automatically from database.

**Trade/Branch:** This will be the name of Trade/Branch of the service personnel. The values will come automatically from database.

**Unit:** This will be the Unit of the service personnel. The values will come automatically from database.

**Relation:** The Relation to the service personnel. The values will come automatically from database.

**Patient Name:** The values will come automatically from database.

**Gender:** The values will come automatically from database.

**Age:** The values will come automatically from database.

**Address:** The values will come automatically from database.

**Contact No.:** The values will come automatically from database.

**Date of Onset:** The values will come automatically from database.

**Date of Admission:** The values will come automatically from database.

**Species:** The values will come automatically from database.

**Type:** The values will come automatically from database.

**Validate:** This will save the form and validate.

## Vector Control Activities

This screen will be entered by SHO individual

### Anti-Larval Grid:

**SI No.:** This is an auto generated serial no.

**Date:** It is a name of the ward assigned to the Patient at the time of admission. This is a display field. It is a read only field. It is displayed from admission table.

**Chemical:** This will be an enterable field.

**Area:** This will be a drop-down list, listing the names of chemical. It cannot have a null value.

**Upload Map:** This will be an enterable field.

**Supervisor:** This button will let user to upload ppt/ word file.

**H/A:**

**Carried Out By:** This will be an enterable field.

**No. Of Buildings Covered:** This will be an enterable field.

**Total Qty Used : Received:** This will be an enterable field.

**Total Qty Used : Issued:** This will be an enterable field.

**Submit:** It will be save the record.



## Feedback on Performance of Counselor (Offline)

This screen is for SHO individual, to enter the counselor's details.

FEEDBACK ON PERFORMANCE OF COUNSELOR					
Name of Counselor	<input type="text"/>	Qualification	Select	No. of Visits (per month)	<input type="text"/>
Place of Counseling	<input type="text"/>	Types of Cases	Financial including outst Alcohol profile Marital problem Sexual problem Past history of psychiatri	Remarks	<input type="text"/>
Date	<input type="text"/>	Forward To		<input type="text"/>	
<div>FORWARD   RESET   BACK</div>					

**Name of Counselor:** This will be an enterable field.

**Qualification of Counselor:** This will be a drop-down list.

**Number of Visits (per month):** This will be an enterable field.

**Place of Counseling:** This will be an enterable field.

**Remarks:** This will be an enterable field.

**Date:** This will be an enterable field.

**Forward To:** This will be drop down list from which user may choose the name of Medical officer , who will validate the form.

**Forward:** This is will save the data and will forward to SMO.

## Feedback on Performance of Counselor (SMO)

This screen is for Medical officer to validate the form

FEEDBACK ON PERFORMANCE OF COUNSELOR

Name of Counselor		Qualification	Select	No. of Visits (per month)	
Place of Counseling		Types of Cases	Financial including outst Alcohol profile Marital problem Sexual problem Past history of psychiatri	Remarks	
Date		Remarks by SMO			

VALIDATE

**Name of Counselor:** This will be an enterable field.

**Qualification of Counselor:** This will be a drop-down list.

**Number of Visits (per month):** This will be an enterable field.

**Place of Counseling:** This will be an enterable field.

**Remarks:** This will be an enterable field.

**Date:** This will be an enterable field.

**Validate:** This will save and validate the data.

## Two/ Four Wheeler Accident Details

This screen will be entered by SHO individual.

TWO/ FOUR WHEELER ACCIDENT DETAILS					
Date of Accident		Time of Accident		Type of vehicle	Select
Vehicle No.		How Old is Vehicle	New		
<b>PARTICULARS OF DRIVER</b>					
Service No.		Name		Rank	Select
Branch/Trade	Select	Age	Select	Total Service	
Marital Status	Single	Duty Status	On <input type="radio"/> Off <input type="radio"/>		
<b>PARTICULARS OF PILLION RIDER</b>					
Service No.		Name		Rank	
Branch/Trade		Age		Total Service	
Marital Status		Duty Status	On <input type="radio"/> Off <input type="radio"/>		
<b>ACCIDENT DETAILS</b>					
Condition of Road	Good	Type of Accident	Skid		
Is there any other person(s) injured other then driver/pillion			No		
Place of Accident	Unit	Cause of Accident		Approx Speed at the time of Accident	
<b>DETAILS OF INJURIES SUSTAINED</b>					
Type of Injury	Driver	Pillion Rider	Person 1	Person 2	Person 3
Head Injuries					
Fractures					
Minor Injuries					
Other Injuries					
<b>OTHER DETAILS</b>					
Whether crash helmet/ seat belt was used by the injured person			Select		
Type of crash helmet used by					
Driver	Full	ISI	Pillion Rider	Full	ISI
Was the chin strap fastened properly					
Driver	Yes	Pillion Rider	Yes		
Did it come off the head during the accident					
Driver	Yes	Pillion Rider	Yes		
External damage to the helmet if any and extent of damage					
Driver		Pillion Rider			
Weather brakes,light,indicators and horn were in working order			Yes		
Whether admitted to					
Driver	Hospital	Pillion Rider	Hospital	Others	Hospital
Number of days spent in hospital/ SMC/ SIQ			Driver		
Others		Pillion Rider			
Number of days in lower medical category					
Driver		Pillion Rider		Others	
Number of flying hours lost in account of injuries					
Driver		Pillion Rider		Others	
Final Category of the injured persons					
Driver		Pillion Rider		Others	
In case of death, the injuries which were responsible for the same					
Driver		Pillion Rider		Others	
Remarks					

SUBMIT
UPLOAD

**Date of Accident:** It will be the date of accident. System will display the current server date by default. It's a modifiable field.

**Time of Accident:** This will be an enterable field.

**Type of vehicle:** This will be an enterable field. User may choose the type of vehicle from the drop down list.

**Vehicle No.:** This will be an enterable field.

**How old is vehicle:** This will be an enterable field. User may choose of from the drop down list.

### **Particulars of Driver**

**Service No.:** Service No. of the service personnel, will be entered here.

**Rank:** The Name of the Service Personnel. The values will come automatically from database on behalf of service no. entered.

**Name:** The Rank of the service personnel. The values will come automatically from database on behalf of service no. entered.

**Trade/Branch:** This will be the name of Trade/Branch of the service personnel. The values will come automatically from database on behalf of service no. entered.

**Age:** The values will come automatically from database on behalf of service no. entered.

**Total Service:** Total Service of the service personnel in month & year (date format).

The value will be displayed automatically from database.

**Marital Status:** The values will appear automatically from database. It may be Married/ Unmarried/ Divorcee/ Separated.

**Duty Status:** It selects the duty status to be on or off.

### **Particulars of Pillion Riders**

**Service No.:** Service No. of the service personnel, will be entered here.

**Rank:** The Name of the Service Personnel. The values will come automatically from database on behalf of service no. entered.

**Name:** The Rank of the service personnel. The values will come automatically from database on behalf of service no. entered.

**Trade/Branch:** This will be the name of Trade/Branch of the service personnel.

The values will come automatically from database on behalf of service no. entered.

**Age:** The values will come automatically from database on behalf of service no. entered.

**Total Service:** Total Service of the service personnel in month & year (date format).  
The value will be displayed automatically from database.

**Marital Status:** The values will appear automatically from database. It may be Married/ Unmarried/ Divorcee/ Separated.

**Duty Status:** It selects the duty status to be on or off.

### **Accident Details**

**Condition of Road:** This will be a drop down list, from where user can select any one.

**Type of Accident:** This will be a drop down list, from where user can select any one.

**Is there any other person injured other than driver/pillion:** This will be a drop down list, from where user can select any one from YES or NO.

**Place of Accident:** The value will be displayed automatically from database.

**Cause of Accident:** Details of the cause of accident. It's an enterable field.

**Approx. Speed at the Time of Accident: Pulse:** It's an enterable field.

**Approx. Speed at the Time of Accident:** It's an enterable field.

### **Details of Injuries Sustained**

**Type of injury:** It's an enterable field.

**Head injuries to Driver:** It's an enterable field.

**Head injuries to pillion rider:** It's an enterable field.

**Head injuries to person 1:** It's an enterable field.

**Head injuries to person 2:** It's an enterable field.

**Head injuries to person 3:** It's an enterable field.

**Fractures to driver:** It's an enterable field.

**Fractures to Pillion rider:** It's an enterable field.

**Fractures to person 1:** It's an enterable field.

**Fractures to person 2:** It's an enterable field.

**Fractures to person 3:** It's an enterable field.

**Minor injuries to driver:** It's an enterable field.

**Minor injuries to pillion rider:** It's an enterable field.

**Minor injuries to person 1:** It's an enterable field.

**Minor injuries to person 2:** It's an enterable field.

**Minor injuries to person 3:** It's an enterable field.

**Other injuries to rider:** It's an enterable field.

**Other injuries to pillion rider:** It's an enterable field.

**Other injuries to person 1:** It's an enterable field.

**Other injuries to person 2:** It's an enterable field.

**Other injuries to person 3:** It's an enterable field.

### **Other Details**

**Whether crash helmet/seat belt was used by the injured person:** User may select any one from YES or NO

**Type of crash helmet used by Driver:** User may select any one value from the drop down list.

**Type of crash helmet used by pillion rider:** User may select any one value from the drop down list.

**Was the chin strap fastened properly by Driver:** User may select any one value from the drop down list.

**Was the chin strap fastened properly by Pillion Rider:** User may select any one value from the drop down list.

**Did it come off the head during the accident Driver:** User may select any one value from the drop down list.

**Did it come off the head during the accident Pillion Rider:** User may select any one value from the drop down list.

**External damage to the helmet if any and extent of damage Driver:** User may select any one value from the drop down list.

**External damage to the helmet if any and extent of damage pillion rider:** User may select any one value from the drop down list.

**Whether brakes, light, indicators and horn were in working order:** The value will be displayed automatically from database. User may select any one value from the drop down list.

**Whether admitted to Driver:** The value will be displayed automatically from database. User may select any one value from the drop down list.

**Whether admitted to Pillion Rider:** The value will be displayed automatically from database. User may select any one value from the drop down list.

**Whether admitted to Others:** The value will be displayed automatically from database. User may select any one value from the drop down list.

**Number of days spent in hospital/SMC/SIQ Driver, Pillion Rider and Others:** It's an enterable field.

**Number of Days in lower medical category Driver, Pillion rider, Others:** It's an enterable field.




**Number of flying hours lost in account of injuries Driver, Pillion rider, Others:** It's an enterable field.


**Final Category of the injured persons Driver, Pillion rider, others:** It's an enterable field.

**In case of death, the injuries who were responsible for the same Driver, Pillion rider, Others:** It's an enterable field.

**Remarks:** It's an enterable field.

## Water Surveillance

WATER SURVEILLANCE								
SI No.	Date	Type of Examination	Source of Water Supply	Place of Collection	Result	Remarks	Add	Delete
		 Residual Chlorinati						



**SI No.:** It will be the running serial no of the table. It'll generate automatically.

**Date:** The value will be displayed automatically from database.

**Type of examination:** It's a selectable field. User may choose any value from drop down list.

**Source of Water Supply:** It's an enterable field.

**Place of Collection:** It's an enterable field.

**Result:** It's an enterable field.

**Add:** This will add another new row.

**Delete:** This will delete selected row.



## Free From Infection

This screen will be used by SHO individual.

FREE FROM INFECTION							
SI No.	Date	Purpose	Place	Particulars of Ind	Fit/ Unfit	Add	Delete
<input type="text"/>	<input type="text"/>	<input type="text"/>	Occupational Haza <input type="text"/>	<input type="text"/>	Fit <input type="text"/>	<input type="button" value="Add"/>	<input type="button" value="Delete"/>

**SI No.:** It will be the running serial no of the table. It'll generate automatically.

**Date:** It'll be an enterable field

**Purpose:** It'll be an enterable field

**Place:** It's a selectable field.

**Particulars of Ind:** It'll be an enterable field

**Fit/Unfit:** It's a selectable field.

**Add:** User can add the row from the list by clicking on these buttons.

**Delete:** User can delete the row from the list by clicking on these buttons.

## Health Promotional Activities

This screen will be entered by SHO individual.

HEALTH PROMOTION ACTIVITIES							
SI No.	Date	Topic	Place	No. Attended	Remarks	Add	Delete
<input type="text"/>	<input type="text"/>	SRO <input type="button" value="v"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Add"/>	<input type="button" value="Delete"/>

**SI No.:** It will be the running serial no of the table. It'll generate automatically.

**Date:** It'll be an enterable field

**Topic:** It's a selectable field.

**Place:** It'll be an enterable field

**No. Attended:** It'll be an enterable field

**Remarks:** It'll be an enterable field

**Add:** User can add the row from the list by clicking on these buttons.

**Delete:** User can delete the row from the list by clicking on these buttons.

## Case of Attempted Suicide

This screen will be entered by SHO individual.

CASE OF ATTEMPTED SUICIDE					
Service No.		Name		Rank	
Age		Gender		Trade	
Unit		Date of Attempt		Date of Death	
Method of Suicides					
<div> <input type="button" value="SUBMIT"/> <input type="button" value="RESET"/> <input type="button" value="BACK"/> </div>					

**Service Number:** Service No. of the service personnel. The value will be displayed automatically from database.

**Name:** Name of the service personnel. The value will be displayed automatically from database.

**Rank:** Rank of the service personnel. The value will be displayed automatically from database.

**Age:** Age of the service personnel. The value will be displayed automatically from database.

**Gender:** Gender of the service personnel. The value will be displayed automatically from database.

**Trade:** Trade of the service personnel. The value will be displayed automatically from database.

**Unit:** Unit of the service personnel. The value will be displayed automatically from database.

**Date of Attempt:** Date of attempt of the service personnel. The value will be displayed automatically from database.

**Date of Death:** Date of Death of personnel. It's an enterable field.

**Method of Suicides:** Details about the method of suicides of personnel. It will be a modifiable field.

**Submit:** On click of the button system will submit the records to the database.

**Reset:** On click of the button system will reset the data.

**Back:** It will navigate the cursor to last screen.

## Immunization of Food Handlers

This screen will be entered by SHO individual.

IMMUNISATION OF FOOD HANDLERS					
Service No.		Rank		Name	
Trade/ Branch		Unit		Gender	
Age		Area Handling		<b>IMMUNISATION</b>	
<b>SUBMIT</b>					

**Service No.:** Service No. of the service personnel.

The value will be displayed automatically from database.

**Rank:** Rank of the service personnel.

The value will be displayed automatically from database.

**Name:** Name of the service personnel.

The value will be displayed automatically from database.

**Trade/Branch:** Trade or Branch of the service personnel.

The value will be displayed automatically from database.

**Unit:** Unit of the service personnel.

The value will be displayed automatically from database.

**Gender:** Gender of the service personnel.

The value will be displayed automatically from database.

**Age:** Age of the service personnel.

The value will be displayed automatically from database.

**Area of Handling:** Date of attempt of the service personnel.

The value will be displayed automatically from database.

**Immunization:** It will be save the Immunization record.

## Reports

1. Annual Report on Filaria Cases.
2. Anti-Mosquito measures.
3. Feedback on Performance of Counselors.
4. Report on Water Surveillance.
5. Report on Free from Infection.
6. Report on Health Promotion Activities.
7. Report on Permanent (Restricted) Flying Category.
8. Report on Temporary Non Flying/ Restricted Category.
9. Feedback on Workload.
10. Report on Suicide Cases (Attempted/Suspected).
11. Report on Case of Psychoneurosis.
12. Report on Case of Mortality Amongst Families.
13. Report on Quarterly Counseling Records.
14. Report on Incidence of Preventable Diseases.
15. Report on Immunization of Food Handlers.