



# RNTCP-ACF ONLINE NEW MODULE DEVELOPED AND INTEGRATED





# GPMS Universal Health Care Information Therapy Transportal Common Integrated Dashboard



## About Indian CST:

Indian Centre For



**Social Transformation**  
A Public Charitable Trust (Regd.)

**Indian Centre for Social Transformation (Indian CST)** is a registered Public Charitable Trust (Registration No. HLS-4-002282009-10 dated 26/12/2009) whose mission is to work towards realization of a national vision set out in Article 51A (j) of the Indian Constitution- which prescribes the Fundamental Duty for Indian Citizens and exhorts them “to strive towards excellence in all spheres of individual and collective activity so that the nation constantly rises to higher levels of endeavour and achievement.”

The goal of Indian CST is to promote through this one stop portal, a number of projects that will deliver cost effective computing, best practices, knowledge management systems and critical applications at affordable costs to masses across India. Indian CST truly believes in 'IT for Social Change'.

[www.indiancst.in](http://www.indiancst.in) & [www.indiancst.com](http://www.indiancst.com)

Initiative by the Ministry of Health and Family Welfare, Govt. of India, NITI AAYOG, Govt. of Karnataka Powered by Indian CST.





## Integrated Health care for Better Karnataka



- Sustainable Action for Transforming Human Capital (**SATH**) is an initiative through which NITI Aayog will partner with three states to transform the health sector of the Indian state.
- NITI Aayog (Premier think tank of the government of India) has selected Karnataka to improve health care delivery and key outcomes along with Uttar Pradesh and Assam.  
(<https://www.karnataka.gov.in/hfw/pages/home.aspx>)
- Indian CST inked the MOU with Department of Health & Family Welfare, Government of Karnataka for an integrated GPMS Transportal for Universal Health care

(  
<https://indiancst.com/India/universalhealthcare/?module=main&action=Signin>)



# GPMS Universal Health Care Information Therapy Transportal Common Integrated Dashboard



भारत सरकार    स्वास्थ्य एवं परिवार कल्याण मंत्रालय    GPMS Transportal  
GOVERNMENT OF INDIA    MINISTRY OF HEALTH AND FAMILY WELFARE    Toll free number: 1800-8437-100

Select Language    [Mobile Icon]    [Facebook Icon]    [Globe Icon]    [Twitter Icon]    [LinkedIn Icon]

DEPARTMENT OF HEALTH AND FAMILY WELFARE



Government of Karnataka  
Health and Family Welfare Services



- HOME
- GET IN TOUCH
- HELP DESK
- E-LEARNING
- INDIA CONNECTS
- LOGIN

THINGS TO REMEMBER

- On completion of 6 months, breastfeeding should be continued on demand along with complementary feeding.
- When feeding a baby between 6 and 12 months, breastmilk should be given first BEFORE GIVING OTHER FOODS.
- Breastmilk continues to be an important part of the diet until the baby is at least 2 years.
- Avoid giving a baby tea, coffee, soda and sugary or coloured drinks.
- Always feed the baby using a clean open cup. Do not use bottles, teats or a cup with a mouth piece.
- Children should be taken to the Anganwadi Centre or a health centre for regular weighing, checkups, immunization and vitamin A supplementation.
- During illness, children need small frequent meals and more fluids, including breastmilk or other liquids. Offer a variety of their favourite foods and encourage them to eat.
- After illness children should be fed more food and more often than usual for at least 2 weeks.

LOGIN    SIGN UP

Enter your email/Username and password to sign in

Username/Email

Password

SUBMIT



## How to access RNTCP- ACF Online

**Step 1: Click On the below URL to login to GPMS Transportal for universal Health care**

**Step 2: Login with your User ID and Password to access RNTCP –ACF TB control Program Online**

Integrated GPMS Transportal For Universal Healthcare\*

Sustainable Action for Transforming Human capital (SATH) program

<https://indiancst.com/India/universalhealthcare>

<https://indiancst.com/India/TBControlProgram/index.php/auth/login>

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# GPMS Universal Health Care Information Therapy Transportal Common Integrated Dashboard



Allopathy, Ayurveda, Yoga, Naturopathy, Physiotherapy, Chiropractic, Siddha, Homeopathy, Palliative Care, Health and Family Welfare, Government of Karnataka Health Information System

**IndianCST DvP**  
Online

GPMS Universal HealthCare

- Dashboard
- Dashboard v1
- Census 2011
- India UH card
- Analytics
- TB Maps
- TB Analytics
- Health GIS
- Patient Registration
- Health Information
- GPMS
- Doctor View
- Masters
- Help Desk
- RNTCP Survey

0. MASTERS	1. TOTAL POPULATION: 6,10,91,297	2. RATION CARD HOLDERS: 1,16,99,813	3. BENEFICIARIES: 3,23,74,906
4. FAIR PRICE SHOPS: 19837	5. PHCs: 1332	6. SUB-CENTERS: 9180	7. DOCTORS
8. ASHA WORKERS: 32650	9. ANMs: 1133	10. TOTAL AMBULANCE: 1330	11. PATIENT REGISTRATION: 92,937
12. CDR	13. ICU	14. BIRTH: 3,01,999	15. DEATH: 11,211
16. STILL BORN: 8490	17. STOP-TB ANALYTICS: 6,33,298	18. MALARIA: 30,260	19. DENGUE: 142
20. CHIKUNGUNYA: 1433	21. CHOLERA: 39	22. DIABETES: 23,423	23. EPILEPSY: 1169
24. CARDIAC: 461 REIMBURSEMENTS	25. HYPER TENSION: 33,735	26. CANCER: 408	27. FSSAI
28. REIMBURSEMENTS: 3,33,58,084	29. HEALTH INFRASTRUCTURE: 15,130	30. NRC	31. NCD
32. IN/EOCP	33. ERACKTOSH	34. PHC-MIS	35. KPME
36. BNCU	37. POPNOT	38. SAST	39. E-HROOYA
40. MENTAL HEALTH	41. ASHA SOFT	42. MSH3	43. NCTS
44. JEEVA SHALJEYINI	45. ELAJ	46. DRUG INVENTORY	47. RSBY
48. UHC	49. DISABILITY SOFTWARE	50. TELE MEDICINE	51. RNTCP
52. IDSP	53. HMIS	54. E-HOSPITAL	55. E-HORANA
56. REGK	57. HELP DESK	58. TMS	60. NFDS
61. MDR			

**Step 3: Click on the RNTCP Survey Module**

<https://indiancst.com/India/universalhealthcare>

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## Revised National Tuberculosis Control Program

Online New Module Developed and Integrated  
Available Across All Platforms (Mobile, Tablet & Desktop)

GPMS Transportal For Universal Healthcare

### Revised National Tuberculosis Control Program

Email

Password

**Sign In**

[I forgot my password](#)

**Step 4: Login with your User ID and Password to access ACF Field Activity Forms Reports and Analytics**

Direct intervention of ICT for ACF using GPMS ACF Online will drastically reduce cost and improve accuracy of data (**scalable and low cost model**).

<https://indiancst.com/India/TBControlProgram/index.php/auth/login>





**Revised National Tuberculosis Control Program  
Online New Module Developed and Integrated**

**TBControlProgram** ☰ Thu, 3 Jan 2019 09:47:35 AM IndianCST DvP

**Dashboard** **ACF Employee Daily Activity Program** (Revised National Tuberculosis Control Program) Home > Dashboard

GPMS Transportal For Universal Healthcare

<b>0</b> Total House Hold	<b>0</b> Total No. Of Population Visited In House	<b>0</b> No. of Potential Tuberculosis Patient	<b>0</b> No. Of Sputum Model Tested In DMC
------------------------------	--	---	---

**Select Form 1,Form2,Form 4 for enter and update data for RNTCP - ACF Survey Online  
Form 3, Form 5 for consolidated reports for the captured data**

<https://indiancst.com/India/TBControlProgram/index.php/auth/login>



**Revised National Tuberculosis Control Program**  
**Online New Module Developed and Integrated**

**ACF Employee's Daily Activity form -1**

Select Form 2 from the Side Left Panel

District Tuberculosis Disease Control Officers Office

ACF Employee Daily Activity Program Field In Form - 1 And Form - 2 (Revised National Tuberculosis Control Program)  
GPMS Transportal For Universal Healthcare

Form - 1

State: Karnataka x ▾  
District: Kolar x ▾  
Primary Health Centre: --Select-- ▾

Sub Centre: --Select-- ▾

Ration Card:   
Name Of The Head Of The Family:   
Address:

Total Number Of Family Members:

Numbers Of People Tested:   
Numbers Of Childrens Below Six Years:   
Numbers Of Diabetes Patients:

Select Form 1 and 2 and select appropriate data from dropdown and enter data for all the remaining data fields within the form

<https://indiancst.com/India/TBControlProgram/index.php>







**Revised National Tuberculosis Control Program**  
Online New Module Developed and Integrated

**ACF Employee's Daily Activity Program Field form -1**

Numbers Of Presumptive TB Patients

Number Of Sputum Samples Collected From  
Presumptive TB Patients

Patients Already On TB Treatment

Government

Private

Number Of House Visited

T  X

Date

Remarks



## Revised National Tuberculosis Control Program Online New Module Developed and Integrated

Enter data for all the data fields within the form and click on submit

Select Form 2 from the Side Left Panel

Form - 2 **ACF Employee's Daily Activity form -2**

Name Of Presumptive TB Patient

Sex

Age

Full Address And Mobile Number

Have You Ever Been Treated For Tuberculosis Previously

Yes  No

Is He/She Diabetic Patient?

Yes  No

Persistent cough for 2 weeks

Yes  No

Fever for 2 weeks

Yes  No

Significant weight loss

Yes  No

Presence of blood in sputum any time during last 6 months

Yes  No

Chest pain in last one month

Yes  No

History of Anti-TB Treatment (previous / current)

Yes  No

Name Of DMC Where Sputum Sample Was Sent?

Remarks

**Feed the data for Form 2 again for the next presumptive case in the same family.**



## Revised National Tuberculosis Control Program

Online New Module Developed and Integrated

### Primary Health Centre Field Activity Form-3 Consolidated

From the Side Left Panel Click On Form 3 for consolidated report generated from form 1 and form2

TB Control Program
Fri, 5 Jul 2019 12:14:10 PM IndianCST DvP

- 🏠 Dashboard
- 📄 Form One <
- Form One and Two
- Form Three Report
- 📄 Form Four and Five <
- 📊 Analytics

Government of Karnataka

ACF Employee Daily Activity Program Field In Form - 3 (Revised National Tuberculosis Control Program)

Primary Health Center Field Activity

Date	Name Of Target Population	Total No. Of High Risk(HR) Population Visited In House	Total No. Of Children's below Six Years	Total No. Of Diabetes Patients	Patients already On TB Treatment		Total No. Of Presumptive TB Patients Identified While Home Visits	Among Presu Identified Thr	
					Government	Private		Children below Six	
03-07-2019	2	4	3				2		

<https://indiancst.com/India/TBControlProgram/index.php>

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## DMC Wise TU Level Form 4

From the Side Left Panel select Form 4 for DMC wise data capture

DMC Wise TB Unit Level Form (Revised National Tuberculosis Control Program)

GPMS Transportal For Universal Healthcare

### Tuberculosis Unit Field Activity Daily Report

State Karnataka x ▾	District -Select- ▾	Tuberculosis Unit -Select- ▾
DMC -Select- ▾	Reporting Date 05-07-2019	

Total No. Of Sputum Tested In DMC

Total No. Of Patient Tested Positive From Total Sputum Samples(Sputum Positive)

Total No. Of Patient Tested Negative From Sputum Samples (Sputum Negative)

Total No. Of Sputum Positive Samples Directed To CBNAAT

Total No. Of Sputum Negative Patients Directed To X-Ray

Number Of Patient undergone X-ray

Total Number Of ChestX-Ray Abnormal Cases Found

Total Number Of Samples From Abnormal X-Ray Refer to CBNAAT

Total No. Of Samples From Abnormal X-Ray Tested at CBNAAT

Select appropriate data from drop down and enter data for all the remaining data fields within the form

<https://indiancst.com/India/TBControlProgram/index.php>





## Revised National Tuberculosis Control Program Online New Module Developed and Integrated

From the Side Left Panel Click On Form 5 for Report

**TB Control Program**
Fri, 5 Jul 2019 12:20:32 PM IndianCST DvP

- Dashboard
- Form One
- Form Four and Five
- Form Four
- Form Five Report
- Analytics

Government of Karnataka

District Level Report Form (Revised National Tuberculosis Control Program)

District Tuberculosis Center Filed Activity Form 5

Date	Tuberculosis Unit Name	Total No. Of Sputum Samples Tested At DMC	Total No. Of Patient Tested Positive From Total Sputum Samples(Sputum Positive)	Total No. Of Patient Negative From Sputum Samples(Sputum Negative)	Total No. Of Sputum Positive Samples Directed To CBNAAT	Total No. Of Sputum Negative Patients Directed To X-Ray	Total No. Of Patients Undergone X-Ray	Total No. Of Chest X-Ray Abnormal Cases Found	Total No. Of Samples From Abnormal X-Rays Refer To CBNAAT	Total No. Of Samples From Abnormal X-Rays Tested at CBNAAT
01-01-1970	Test	1	1	1	1	1	0	1	0	1

<https://indiancst.com/India/TBControlProgram/index.php>



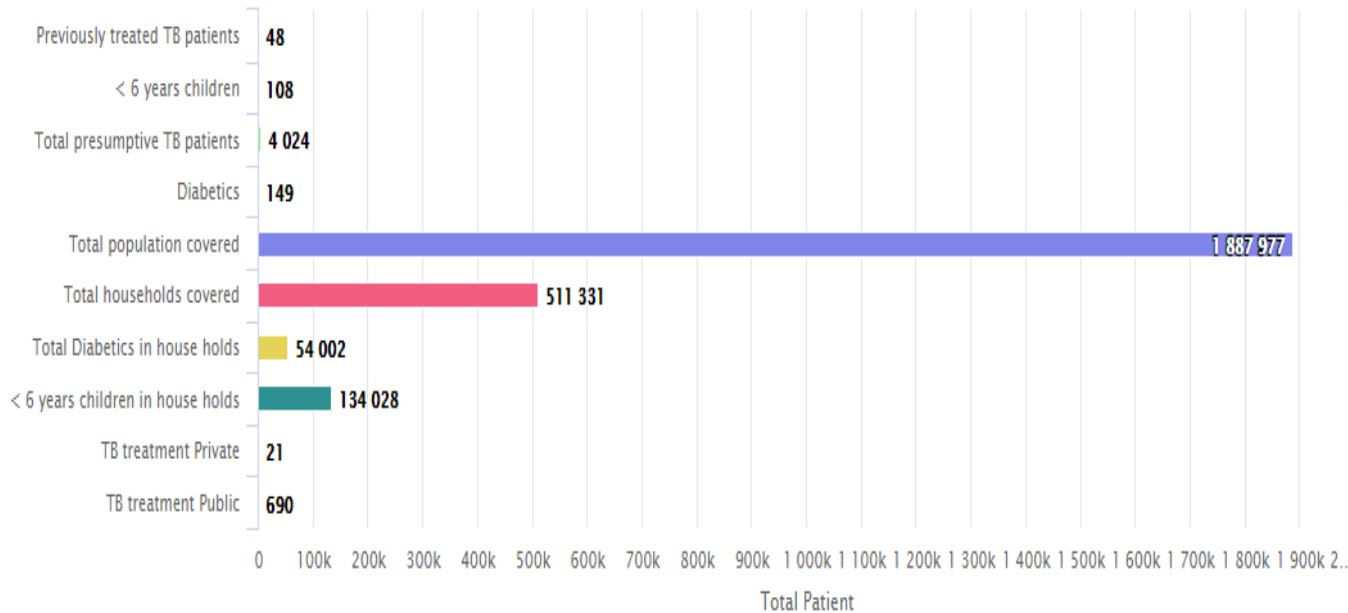


# Revised National Tuberculosis Control Program Online New Module Developed and Integrated

Government of Karnataka - Active Case Finding (ACF)  
TB Survey January -2019 -Analytics report

Bangalore Urban

Demography Covered



One time survey data on paper (Jan 2nd 2019 – 14th Feb 2019 ACF Survey –Karnataka) by 28000 field workers 45 days being digitized on GPMS TB Transportal,2028 new cases found (non scalable and expensive model).

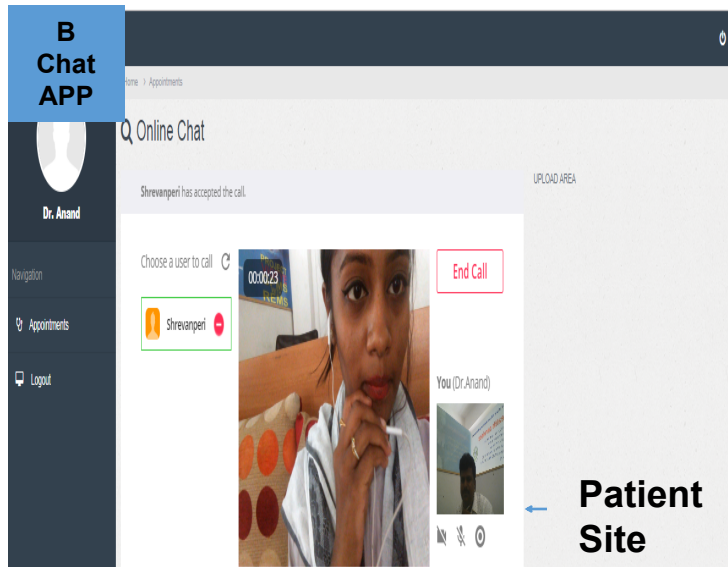
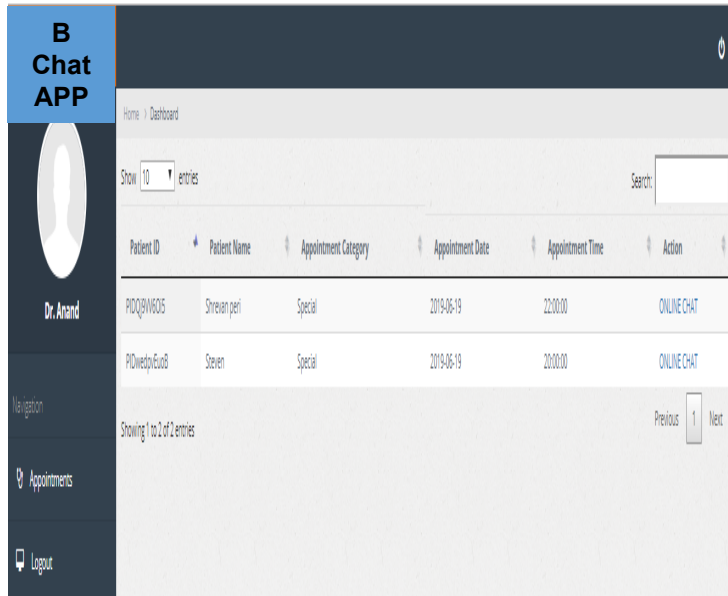
<https://indiancst.com/India/TBControlProgram/index.php>

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## Coming Soon Shortly

# GPMS TB Transportal for Virtual TB Room for ACF – Command & Control Centre



- Online 12X7 & 12X7 Offline Command and Control Centre, (Virtual TB Room on GPMS TB Portal) where presumptive TB patients can call and schedule the appointment with doctor as per their convenient time by dialing in to a non-metered toll free four digit number (proposed). Every call will be registered with a unique ID and recorded for analysis. First level online screening or counselling will be done by paramedic with the help of algorithm based solution housed in the software
- To address the missing million, these presumptive patients with at risk symptoms will be connected to respective medical interns for following up their diagnosis and treatment at respective DOT/PHI centers.

**Made In India and Data Stored In India**

<https://indiancst.com/India/TBControlProgram/index.php>

# Project Sites in Karnataka: Screening of Population in High-Risk Habitat



Districts	Bengaluru Urban (1)#	Chikkaballapura (2)#	Kolar (3)#	Tumkur (4)#
Total Population (Projected 2017 in Million )	12.3	1.3	1.6	2.74
Target Population TB Patients(2017-18)	18,652	1662	1638	3285
Public Healthcare Facilities	634	289	361	722
Private Hospitals	7170	20	76	332
Asha Workers	2893	947	994	1812
RNTCP Infrastructure				
District Tuberculosis Centres (DTC)	2	1	1	1
Tuberculosis Centres Designated Microscopy Centres (DMC)	24	5	5	11
Drug Resistant TB Centres (DR-TB)	98	13	15	29
CBNAAT Centers	1	NA	NA	NA
Intermediate Reference Lab (IRL)	3	1	1	2
	1	NA	NA	NA

## Impact of Our Innovation

- The total number of infected individuals in our proposed target districts presently accounts to **25,237 (2017-2018)**.
- From this we can estimate an additional **5,000 - 10,000 (20% - 40% of reported patients)** to be the missing patients whose reduction and increase monitored compliance will be used as an indicator of the impact of our innovation

## # Justification for selection of project targeted sites

1. High density & Migratory Population;
2. Medical College Access;
3. Mines;
4. Quarries



## ACKNOWLEDGEMENT

- Initiative by the Ministry of Health and Family Welfare, Govt. of India, NITI AAYOG, Govt. of Karnataka Health and Family Welfare.
- Powered by Indian CST And Team.
- Principal Secretary to Government of Health & Family Welfare Department, Government of Karnataka
- Hosted on India's own Super Computing infrastructure facility at CSIR-4PI.
- Mr. Mahesh, PS To Principal Secretary, Government of Health & Family Welfare Department, Government of Karnataka
- Dr. Sridhar S M, Deputy Director, e-hospital program, NHM
- Dr. Arun
- Joint Director,Dr.Manjula, RNTCP- NHM
- Deputy Director .Dr.Anil
- Dr. Sanjay, (TB Cell)
- Dr.Shaziya ,WHO consultant,RNTCP
- Dr. Rajani, Deputy Director, Child Health
- Dr. Rajani P, Deputy Director, Mental Health
- Dr. R. Narayana, Deputy Director, EMRI
- Dr. C. S. Nagalakshamma, Deputy Director, Immunization
- Mrs. Aaliya Sulthan, Technical Officer, Nutrition
- Dr. Vishwanath, UNICEF Consultant, NHM





**GPMS Universal Health Care Information Therapy Transportal  
Common Integrated Dashboard**



For any clarification, please contact

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**Empowering Nation ... Empowering Citizens**

<https://www.karnataka.gov.in/hfw/pages/home.aspx>

[www.indiancst.com/India/universalhealthcare](http://www.indiancst.com/India/universalhealthcare)

<https://indiancst.com/India/TBControlProgram/index.php/auth/login>

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