



सत्यमेव जयते



राष्ट्रीय स्वास्थ्य मिशन

**NATIONAL URBAN
HEALTH MISSION**



INTENSIVE NCD SCREENING PROGRAM IN URBAN PHCS

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Mission Director NHM Tamil Nadu
06.07.2017

Problem Statement

- As per SDG Goals, By 2030 ,’reduce by one third premature mortality from Non Communicable diseases through prevention and treatment and promote mental health and well being” .
- Non communicable disease, a high risk burden as per 71st NSSO data, needs screening for population above 30 years of age for Hypertension, Diabetes Mellitus, Carcinoma Cervix, Carcinoma Breast & Oral Cancer. Screened Individuals also need management which includes treatment.

Performance under opportunity screening - TN

Year	Diabetes Mellitus		Hypertension		Carcinoma Cervix		Carcinoma Breast	
	Number Screened	Number found positive	Number Screened	Number found positive	Number Screened	Number found positive	Number Screened	Number found positive
2012 (July-Dec)	989798	46827	2034924	159908	285019	12784	665846	7477
2013	6812606	325543	9446394	968543	3123492	137411	4023771	52379
2014	9663482	386745	11209121	1118794	4407657	143587	5058518	62123
2015	6929328	253330	8024345	691112	2939254	72258	3364394	37822
2016	6600292	281506	7884733	672508	2383391	52429	2995361	26160
2017 (Jan-May)	3802510	185507	4370500	380642	1410103	24383	1719685	11686
Total	34798016	1479458	42970017	3991507	14548916	442852	17827575	197647



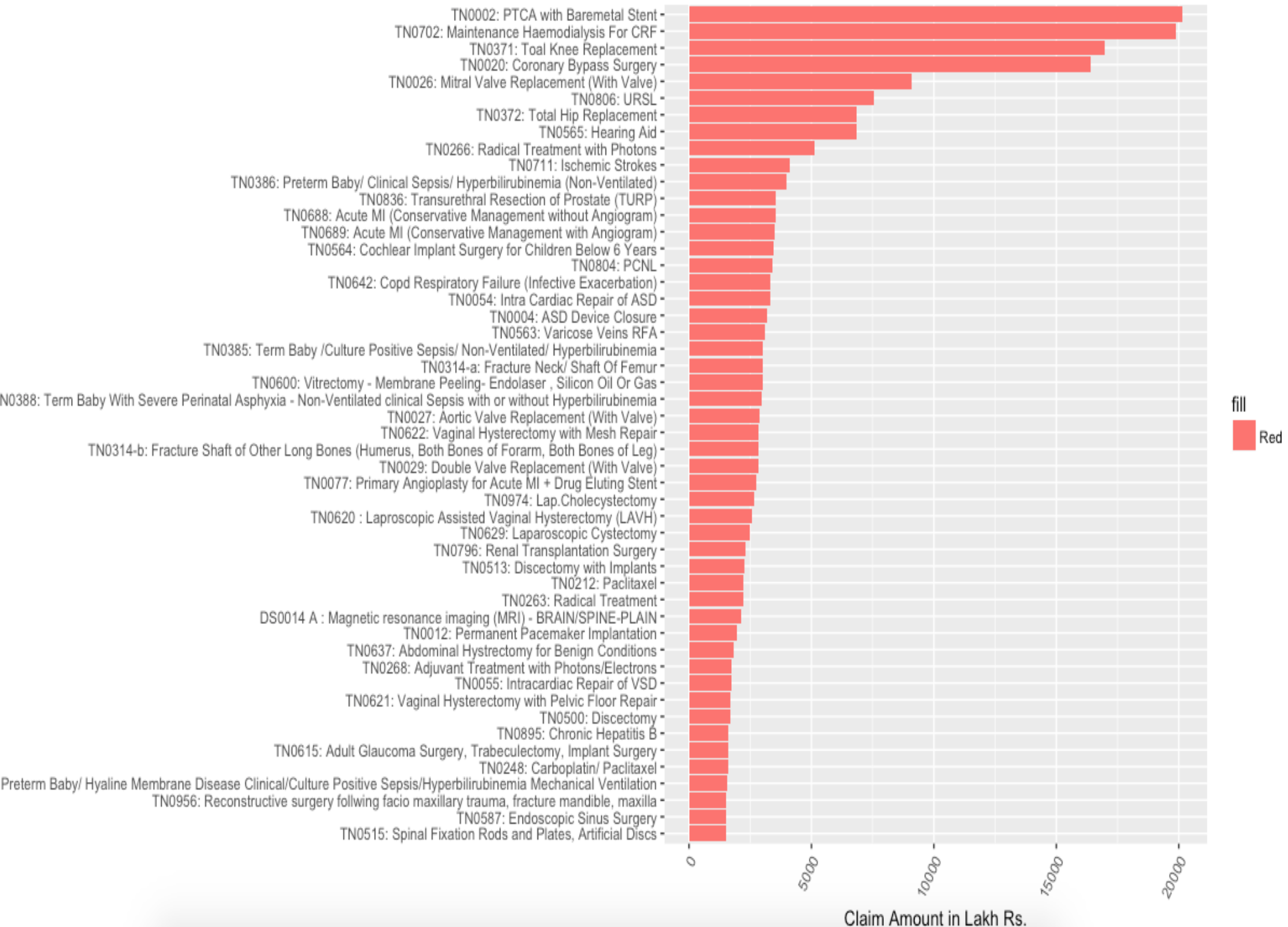
Share of major ailment categories treated in public and private sector as outpatient and share of public sector in the treatment of major ailment categories in Tamil Nadu - 2014

Ailment categories	% share of ailment categories			% share of Public sector
	Public	Private	All	
Diabetes	27.1	28.4	28.0	33.5
Fever*	12.7	22.5	19.1	23.0
Cardio-vascular	22.0	15.4	17.7	42.9
Musculo-skeletal	12.8	9.0	10.3	42.8
Respiratory	8.4	8.1	8.2	35.6
Gastrointestinal	4.9	3.6	4.1	41.7
Mental/Neuro	4.5	3.0	3.5	44.2
Skin	1.6	2.3	2.0	26.9
Eye/Ear	1.0	1.6	1.4	25.6
Genito-urinary	1.3	1.4	1.4	32.8
Injuries	1.3	0.6	0.8	52.6
Other Metabolic	0.5	0.9	0.8	20.6
Vector-borne	0.2	0.9	0.7	11.2
Cancers	0.8	0.5	0.6	44.5
Blood disease	0.0	0.3	0.2	5.2
Obstetric	0.1	0.1	0.1	25.5
TB/Filer/Tetanus	0.1	0.1	0.1	26.9
STD/HIV/AIDS	0.1	0.0	0.0	100.0
Others	0.74	1.26	1.08	23.69
Total	100	100	100	34.57

Source : Key indicators of Morbidity Pattern based on NSSO 71st data

TN - CMCHIS

Top 50 Package wise Claim



**GOVERNMENT OF TAMILNADU
(Implementation of NPCDCS)**

**FACILITY BASED
SCREENING**

**1736 PHC, 310 GH, 27 Govt
Medical College Hospitals,
280 Selected UPHC**

**PHC - 1 Staff Nurse,
GH/MCH - 2 Staff Nurse**

**Screening for DM, HT,
Cervical and Breast
screening for those aged 30
and above**

**POPULATION BASED
SCREENING**

**293 Dental Units
(262 CHC and 31 GH)**

**CHC- Dentist
Assistant- Door
screening**

**Screening for Oral
Cancer all
individuals aged 18
and above**

**NCD screening in 5
districts & 2
corporations**

**Door survey BP,
RBS, CBE**

**Screening for NCD in
all individuals aged
above 18 yrs**

Strategies adopted to intensify screening in Urban PHC

❖ **For the first time citizens were invited to attend free Annual wellness checkup a change in strategy from opportunistic screening.**

❖ **Exclusive institution Team** with Medical officer, Staff nurses, Lab technician, Pharmacist, UHNs/ANMs and other staff provided. (Thursday / Friday)

❖ Checking the availability/working condition of the necessary **equipment** and availability of **adequate quantities of lab reagents and other consumables.**

❖ Lab equipments procured based on gap analysis / IPHS standard

❖ Persons requiring X-ray referred to nearby Sub District Hospital / District Hospital.

Parameters for screening at Primary Health Care Level

1. Height	14.Urine-Sugar
2. Weight	15,Urine-Deposits
3. BMI	16.Ultrasound Abdomen if needed
4.Blood Pressure	17.ECG- based on symptoms.
5. Blood –Total Count	18.X-ray if needed
6.Blood Differential count	19.Sputum Microscopy(AFB)
7. Hemoglobin	20.Screening for Ca Cervix
8. Peripheral Smear	21.Screening for Ca Breast
9. Blood Grouping and Typing	22.Screening for Oral Cancer
10.Random Blood Sugar	23.Ophthalmic screening for visual acuity and cataract
11.Blood-Cholesterol	24.Screening for dermatological conditions
12.Blood- Creatinine	25.General Examination by the Medical Officer.
13.Urine-Albumin	

CLINICAL REPORT – TO THE BENEFICIARY

Annual Wellness Clinical Record Govt.PHC , Iruvelpattu

PIN:103153000007414

CMCHISTN No.:

Aadhaar No.:

Ration Card No.:

PHC:PAVANDUR

HSC:AMoor

Name:ELUMALAI

Age/Sex:53 Years/Male

Mobile No.:

Address:ASALAN AMOOR VILLUPURAM

Name of VHN:NEVIS MARY

Date of Visit:05/01/2017

Review Date:27/12/2017

Height(cms)	158	Weight(kgs)	55	BMI	22.03	BP	120/80	PR	72
Eye screening for acuity of vision					Eye screening for cataract				
Screening for Ca Cx					Screening for Ca Br				
Screening for Ca Oral	NORMAL				Skin Screening	NORMAL			
RBS	88				Others				
General Examination	NORMAL								

Lab Results					
Blood Total Count		7000-4000	Blood Creatinine	0.6	1-0.6
DLC - N		75-40	Hemoglobin	12.5	16-12
DLC - E		6-0	Blood Grouping & Typing	B+	
DLC - L		45-20	Sputum Microscopy		
DLC - M		10-2	Urine Albumin	NIL	
DLC - B		1-0	Urine Sugar	NIL	
Blood Cholesterol	167	200-150	Urine Deposits		
Peripheral Smear					
X ray					
ECG					
USG - abdomen					

Advice:

MO's Signature



HMS Login Information	
User Name *	<input type="text"/>
User Password *	<input type="password"/>
<input type="button" value="Submit"/>	

[MIS USERS LOGIN](#)



Home Page With Tabs For Annual Wellness check up & Reports



[REGISTRATION](#)

[LAB](#)

[RADIOLOGY](#)

[STORES](#)

[CLINICAL](#)

[PATIENT LIST](#)

[HCD REPORTS](#)

[WELLNESS CHECKUP](#)

Wellness Checkup

Reports (Monitoring)

IMPORTANT MESSAGE

- * DO NOT SHARE your Login details with others.
- * Change your Password frequently.
- * Switch off your computers when not in use.
- * Report any misuse to Helpdesk immediately.



Wellness Checkup

New Patient

First Name *	<input type="text"/>	Last Name	<input type="text"/>
Age *	<input type="text"/> YEARS <input type="button" value="v"/>	Gender *	<input type="text"/> <input type="button" value="v"/>
Mobile No.	<input type="text"/>	Address Line 1 *	<input type="text"/>
Address Line 2	<input type="text"/>	Address Line 3	<input type="text"/>
District *	TIRUVANNAMALAI <input type="button" value="v"/>	Village/ Town/ City *	<input type="text"/>
Locality Type *	<input type="text"/> <input type="button" value="v"/>	Aadhaar No.	<input type="text"/>
Ration Card No.	<input type="text"/>	CMCHISTN No.	<input type="text"/>
Name of Block *	VEMBAKKAM	Name of Additional PHC *	<input type="text"/> <input type="button" value="v"/>
Name of HSC *	<input type="text"/> <input type="button" value="v"/>	Name of VHN *	<input type="text"/>

SAVE

Existing Patient

PIN 1 03511 or

Aadhaar No.

FETCH

CLINICAL DATA ENTRY SCREEN



தமிழ்நாடு அரசு சுகாதாரம்
மற்றும் குடும்பநலத்துறை
Government of Tamil Nadu Health & Family Welfare
Department



மருத்துவமனை மேலாண்மை திட்டம்



தமிழ்நாடு அரசு சுகாதாரத்
திட்டம்
TAMIL NADU HEALTH SYSTEMS PROJECT



N03511 - Wellness Checkup

GOVT.PHC , AKKUR

[Home](#) [Change Password](#) [LogOff](#)

Wellness Checkup Clinical Record

PATIENT INFO

PIN	<input type="text" value="10351100000406"/>	CMCHISTN No.	<input type="text"/>
Aadhaar No.	<input type="text"/>	Ration Card No.	<input type="text"/>
First Name	<input type="text" value="RAM"/>	Last Name	<input type="text"/>
Age	<input type="text" value="25 YEARS"/>	Gender	<input type="text" value="MALE"/>
Address Line 1	<input type="text" value="FIRST STREET"/>	Address Line 2	<input type="text"/>
Address Line 3	<input type="text"/>	District	<input type="text" value="TIRUVANNAMALAI"/>
Locality Type	<input type="text" value="VILLAGE"/>	Village/ Town/ City	<input type="text" value="THENKAZHANI"/>
Mobile No.	<input type="text"/>	Name of PHC	<input type="text" value="CHITATHUR"/>
Name of HSC	<input type="text" value="KOLNELLI"/>	Name of VHN	<input type="text" value="VALLI"/>

SCREENING DETAILS

Height (cms)	<input type="text"/>	Weight (kgs)	<input type="text"/>
BMI	<input type="text"/>	BP	<input type="text"/> <input type="text"/>
PR	<input type="text"/>	RBS	<input type="text"/>
Cancer Cervix(VIAVILI)	<input type="text"/>	Cancer Breast(CBE)	<input type="text"/>
Cancer Oral	<input type="text"/>	Eye Screening for acuity of vision	<input type="text"/>
Eye Screening for Cataract	<input type="text"/>	Skin Screening	<input type="text"/>
USG - Abdomen	<input type="checkbox"/>	ECG	<input type="checkbox"/>
Others	<input type="text"/>	Date of visit	<input type="text" value="13/10/2016"/>

LAB RESULTS

	Result Entry Formats	Range		Unit of Measurements	Values
		Max	Min		
Blood Total Count		7000	4000	cells/cu.mm	<input type="text"/>
Differential Count	DLC - N	75	40	%	<input type="text"/>
	DLC - E	6	0	%	<input type="text"/>
	DLC - L	45	20	%	<input type="text"/>
	DLC - M	10	2	%	<input type="text"/>
	DLC - B	1	0	%	<input type="text"/>
Hemoglobin		16	12	gms/dl	<input type="text"/>
Blood Cholesterol		200	150	mg/dL	<input type="text"/>
Blood Creatinine		1	0.6	mg/dL	<input type="text"/>
Blood Grouping and Typing					<input type="text"/>
Peripheral Smear					<input type="text"/>
Sputum Microscopy					<input type="text"/>
Urine Albumin					<input type="text"/>
Urine Sugar					<input type="text"/>
Urine Deposits					<input type="text"/>

X ray	<input type="checkbox"/>	<input type="text"/>	General Examination	<input type="text"/>
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Review date	<input type="text" value="13/10/2017"/>
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[SAVE](#) [SAVE & SUBMIT](#) [PRINT ID CARD](#) [GENERATE REPORT](#) [SAVE AS PDF](#) [BACK](#)

Identification of Beneficiaries

- ❖ Details entered in **HMIS** web portal by using **NCD Staff Nurse User ID**.
- ❖ The ration card & Aadhaar card if available can be updated during registration- to avoid duplication and create a comprehensive EHR for the individual beneficiary
- ❖ Previous NCD cards, HMIS OP slips if available may be brought along with the above mentioned cards so that their previous medical records can also be included in the EHR.

Secondary care level - Assured Follow up

- ❑ Positive for VIA/VILI and Cancer Breast - Referred to Secondary care level for further investigation.
- ❑ This is ensured by introduction of **NCD App** from primary health care level.
- ❑ Procedures done in secondary care level documented in following tabs
 - **Gynaecological /Surgical Procedures Field** : Colposcopy, Colposcopy Guided biopsy
 - **Pathological Field**
 - **Treatment and Follow up Field**: Complication identified, treatment given, referral made and outcome.
 - **This ensures that all patients suspected are followed up and it can be monitored.**

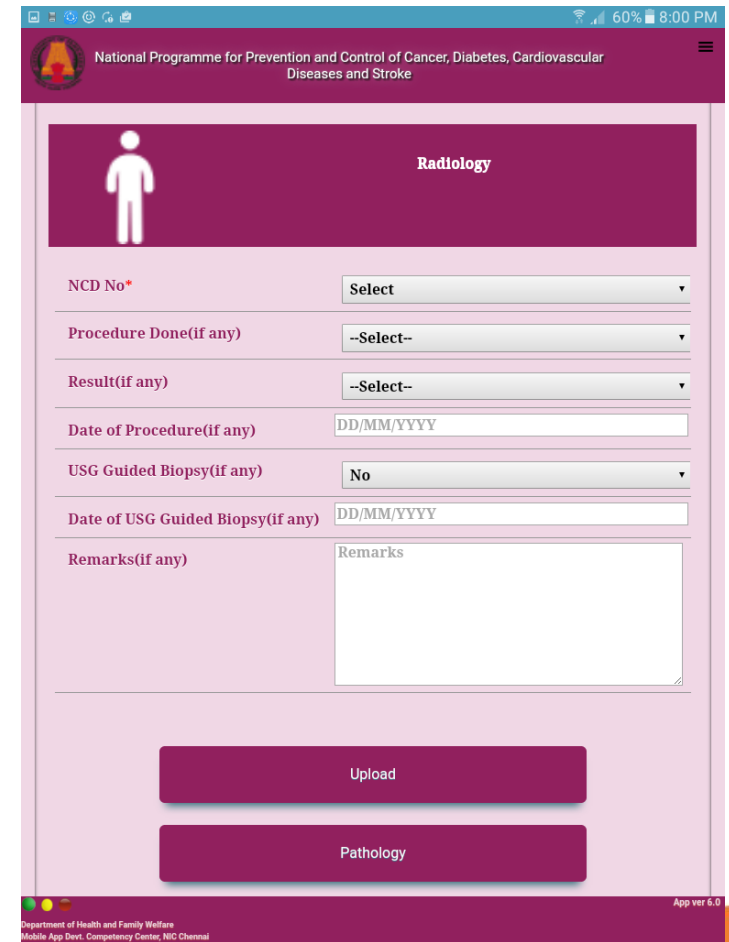
NCD app - screenshots

The image displays two screenshots of the NCD App interface. The left screenshot shows the 'Pathology' form, which includes fields for NCD No* (a dropdown menu), Specimen Received (a dropdown menu), Date of Specimen Received (a date picker), HPE Report (a text area), and Date of Reporting (a date picker). Below these fields are two buttons: 'Upload' and 'Treatment and Followup for HT or DM or HT and DM'. The right screenshot shows the 'Gynecological or Surgical Procedure' form, which includes fields for NCD No* (a dropdown menu), Procedure Done (a dropdown menu), Result (a dropdown menu), Specimen Collected (a dropdown menu), Date of Specimen Collection (a date picker), and Remarks (a text area). Below these fields are two buttons: 'Upload' and 'Radiology'. Both screenshots have a header for the 'National Programme for Prevention and Control of Cancer, Diabetes, Cardiovascular Diseases and Stroke' and a footer with the app version 6.0.

At Tertiary Care Level

Radiology Field

- Details of Mammogram and USG guided biopsy
- All the details including referral and follow up can be easily viewed by the Health care staff
- When a patient misses a referral or follow up can be easily traced by the field health staff and further management can be ensured.



National Programme for Prevention and Control of Cancer, Diabetes, Cardiovascular Diseases and Stroke

Radiology

NCD No*

Procedure Done(if any)

Result(if any)

Date of Procedure(if any)

USG Guided Biopsy(if any)

Date of USG Guided Biopsy(if any)

Remarks(if any)

Department of Health and Family Welfare
Mobile App Devt. Competency Center, NIC Chennai

App ver 6.0

Reports (Monitoring) – Block wise Report with Line Listing

WELLNESS CHECKUP REPORT

HUD-PHC-HSC Wise Screened Patient Count & List

From Date 29/12/2016 To Date 30/12/2016 [FETCH](#) [CLEAR](#)

Directorate Name DIRECTORATE OF PUBLIC HEALTH AND PREVENTIVE

HUD Name ARANTHANGI

HUD Wise **Block Wise** PHC Wise HSC Wise

S.No	HUD Name	Block Name	Male	Female	Total
1	ARANTHANGI	KARAMBAKKUDI	28	58	86
2	ARANTHANGI	ARANTHANGI	32	28	60
3	ARANTHANGI	MANAMELKUDI	49	71	120
4	ARANTHANGI	AVUDAYARKOIL	44	36	80
5	ARANTHANGI	TIRUVARANKULAM	45	75	120
6	ARANTHANGI	TIRUVARANKULAM	17	32	49
7	ARANTHANGI	GANDARVAKKOTTAI	35	30	65
Total			250	330	580

[BACK](#)

List of individuals screened in TIRUVARANKULAM BLOCK

S.No	Screened Date	PIN	Name	Age(in Years)	Gender	Height (cms)	Weight (kgs)	BMI	Blood Total Count	Differential Count					Hemoglobin	Peripheral Smear	Blood Typing
										DLC-N	DLC-E	DLC-L	DLC-M	DLC-B			
1	29/12/2016	102774000012590	ANJALIDEVI	40	Female	150	60	26.67							10		
2	29/12/2016	102774000012577	CHELLAMMAL	48	Female	158	62	24.84							10		
3	29/12/2016	102774000012613	CHELLAMUTHU	39	Male	163	52	19.57							12.8		
4	29/12/2016	102774000012564	CHINNATHAL	45	Female	158	70	28.04							8		
5	29/12/2016	102774000012607	CHITHAMBARAM	80	Male	164	50	18.59							11.6		
6	29/12/2016	102774000012569	CHITRA	47	Female	147	57	26.38							9.2		
7	29/12/2016	102774000012612	GANESAN	54	Male	160	51	19.92							13.1		
8	29/12/2016	102774000012588	GOMATHI	30	Female	156	42	17.26							12		
9	29/12/2016	102774000012573	GOURI	35	Female	148	61	27.85							10		

Reports (Monitoring) – District/Institution wise Consolidated report

Sunil Gavaskar

Wellness Checkup Conso

www.hmis-hms.tn.gov.in/tnsphms/MHCheckup/AATReportCreate.faces



A37637 - Wellness Checkup Consolidated Report GHTM,OTTERI Home Change Password LogOff

WELLNESS CHECKUP REPORT

HUD-PHC-HSC Wise Screened Patient Count

From Date 1/12/2016 To Date 31/12/2016 [FETCH](#) [CLEAR](#)

Directorate Name DIRECTORATE OF PUBLIC HEALTH AND PREVENTIVE

HUD Name ALL

[HUD WISE](#) [BLOCK WISE](#) [PHC WISE](#) [HSC WISE](#)

S.No	HUD Name	Male	Female	Total
1	<u>THENI</u>	258	422	680
2	<u>PALANI</u>	1284	1604	2888
3	<u>KARUR</u>	1647	1833	3480
4	<u>POONAMALLE</u>	205	658	863
5	<u>SIVAGANGAI</u>	1263	2308	3571
6	<u>VIRUDHUNAGAR</u>	1276	1852	3128
7	<u>THE NILGIRIS</u>	188	244	432
8	<u>DHARMAPURI</u>	1352	1513	2865
9	<u>NAGARCOIL</u>	1824	2922	4746
10	<u>KOILPATTI</u>	773	1107	1880
11	<u>TIRUCHIRAPALLI</u>	2333	3205	5539
12	<u>PUDUKKOTTAI</u>	1729	3020	4749
13	<u>SANKARANKOIL</u>	1013	1551	2564
14	<u>PERAMBALUR</u>	160	245	405
15	<u>ARIYALUR</u>	2205	2613	4818
16	<u>NAGAPATTINAM</u>	836	1277	2114
17	<u>ERODE</u>	3402	4208	7610
18	<u>TIRUPATHUR</u>	2274	3385	5659
19	<u>RAMANATHAPURAM</u>	1727	2618	4345
20	<u>TIRUPUR</u>	4580	4938	9518
21	<u>SALEM</u>	5007	6155	11162
22	<u>COIMBATORE</u>	3326	3838	7164
23	<u>TIRUNELVELI</u>	1328	2490	3819

INTENSIVE NCD SCREENING PROGRAM IN URBAN PHCS



Programme Outcome- Performance of NCD Screening Programme

Amma Arokiya Thittam (AAT) State performance

Type of facility	Number of facilities	Period	Total screened
PHC – Rural and Urban	431	March 2016-May 2017	20,94,341
Sub district & District Hospitals	98	Commenced in June 2017 *	
Total	529		20,94,341

Thank You