

Department of Community Medicine profile

1. ABOUT DEPARTMENT:

The discipline deals with the communities. We teach students to identify and measure the health needs of the sick and the well. We then teach the principles of planning and administration for meeting those needs. We are engaged in research and training in the field.

Goal: Undergraduate-To prepare students to function as proficient Community Physician in contemporary health needs & accountable to community. Postgraduate-Prepare a Planner, Manager, Solution -seeker, Teacher and Philosopher in health issues of individual, family, community, nation and cross-nations

HOD message: It gives me immense honour to welcome you to the department of community Medicine. We have Well-equipped library, updated Museum; Student laboratory; Research laboratory; Rural Health Training Centre and Urban Health Training Centre.

The major activities of the department are Teaching-Learning; Research; Service and extension; Governance and Administration. For teaching learning, there are well defined specific learning objectives, we use various interactive strategy like scenario-based teaching small group discussions, students' seminars, guest lectures, flip class room methodology and jig saw methods, we also conduct clinico-social case presentations and discussions in the household of patient to understand the natural history of non-communicable diseases. The students get a first-hand experience of implementation of the national health programmes through their posting in affiliated Pune Municipal corporation health centers. They get opportunity to interact with ASHA workers, Anganwadi workers and community mobilizers. One of the strengths of the department is conducting research. The department continuously inculcate the research culture in undergraduate students right from the phase I MBBS till internship. We have maximum number of ICMR STS scholarships in the college. There are more than 50 publications of the faculty in last five years. Through our fully functional centers health centers located in rural area and corporation area service and extension activities are provided to the community in general. The undergraduate and postgraduate students and interns are actively involved various activities like screening, diagnostic camp, Behavioral change communication activities. We provide telemedicine facility to women visiting peripheral centers for assessment of the cervical pathology using smart scope. The governance and administration function is delivered through various faculties of our department through student mentoring programme, NABH process of the hospital, institutional ethics committee, administration of both peripheral centers, internship programme, website committee, vice Principal -administration, NAAC coordinator etc.

This year, we plan to implement rural family adoption programme to our first year MBBS students to give them first hand exposure to village environment and also follow-up in their subsequent year to the adopted families till internship.

HIGHLIGHTS AND ACHIEVEMENTS: The departments achievement can be seen in the research activities tabulated as below

A. Funded research projects completed in last SIX years in the department (Total 10 projects)

	Title	Year	Name of the PI	Funding agency	Amount
1	Pneumonia Research Initiatives In Rural Areas and Urban Slums of Maharashtra	2015-2018	Dr. Jayashree Gothankar	Bill & Melinda Gates Foundation, The INCLEN Trust International.	1.06 crore
2	A study of Implementation of Preconception care for preventing adverse pregnancy outcome in Nashik District, Maharashtra	2018	Dr P. P. Doke	Funded by – UNICEF, Maharashtra -	70 Lakhs
3	Health and demographic surveillance system	2018	Dr. Jayashree Gothankar	Bharati Vidyapeeth (DTU) University	56 Lakhs
4	Post –Partum Maternal Morbidity with Reference to The Cesarean Section: One Year Comparative Follow Up Study	2018-19	Dr P. P. Doke	The United Nations Population Fund (UNFPA)	18.00 Lakhs
5	Assessment of Quality of Sterilization Services In Maharashtra State, India	2017-19	Dr P P Doke	(UNFPA)	3.14 Lakhs
6	Post Partum Intra Uterine Devices Evaluation	2017-19	Dr P. P. Doke	UNICEF, Maharashtra	3.5 lakh

7	Epidemiological- Demographic Factors Affecting Health Status of Population Under Rural Health Training Center, Lavale	2015-17	Dr. S. K. Murarkar	Bharati Vidyapeeth (DTU) University	25000
8	A Follow Up Study of High Risk People For Developing Metabolic Syndrome	2015-17	Dr. R S Patil	Bharati Vidyapeeth (DTU) University	40,000
9	Iron Folic acid and Vitamin C supplementation among Adolescent girls - A quasi experimental study	2017-18	Dr Reshma Patil	Indian Public Health Association Maharashtra branch	10,000
10	Verification of Subnational claims for TB free certification process	2021	Dr J S Gothankar	Central TB division (CTD) , MOHFW	8,90,175

B. Ongoing Funded Research Projects (Total 04 projects)

Sr. No	Title	Year of start	Name of the PI	Funding agency	Amount
1	Death audit among Tuberculosis diagnosed patients	April 2021	Dr P P Doke	Maharashtra State TB society, RNTCP	1, lakhs
2	Prevalence of behavioral and biological risk factors of non-communicable diseases among adults in urban slums of Pune using STEPS approach	Sept.2021	Dr Sudhanshu Mahajan	Bharati Vidyapeeth (DT) University Pune	4,62,200

3	Community Behaviour Change Communication CBCC for improving childhood immunization coverage among children in urban slums and brick kilns in rural areas	Sept.2021	Dr Sujata Murarkar	Bharati Vidyapeeth (DT)University Pune	2,52,600
4	Correlates of Vaccine hesitancy/ acceptance among adult population: a community Based study	Sept.2021	Dr Sanjivani Patil	Bharati Vidyapeeth (DT)University Pune	3,50,150
5	Health care access for rural community via telemedicine	Sept.2021	Dr Varsha Vaidya	Bharati Vidyapeeth (DT)University Pune	1,00,000

C. Self-funded research projects of the faculty

	Title	Year	Name of the PI
1	Persistence and titres of IgG and neutralizing antibody titers among COVID -19 and evidence of reinfection	2021	Dr P. P. Doke
2	COVID infection after vaccination	2021	Dr P. P. Doke
3	The symptomatic and comorbidities of COVID Patients at home quarantine	2020	Dr. Jayashree Gothankar

D. Funded Research over the Years

year	Total number approved	National/international/ university /ICMR funded	Amount
2015-19	3	International -- (Bill and Melinda Gates Foundation, UNFPA, UNICEF)	Rs. 1.14 crores, Rs. 18 lakhs, Rs. 55 lakhs each
2012	4	State (Maharashtra State TB Society)	Rs. 1,62,580 & 30,000,30,000 and 1,99,500 lakh

2012-19	10	ICMR – undergraduate STS projects	1,40,000
2016-17	1	Undergraduate Public Health Association;	Rs. 20,000
2011-21	6	Bharati Vidyapeeth University	11,87,000
	1	Central TB division	8,90,125

2.COURSES OFFERED:

UG-A total of ten weeks of clinical posting in second and third year of undergraduate students including end of clinical posting exam.PG-MD community Medicine, Certificate course in Biostatistics in Medical research, Fellowship in epidemiology.

3.LABORATORY:

Student laboratory and Research laboratory is available

4.RESEARCH:

Overview: The Department of Community Medicine is committed to promoting research and inculcating the research culture in undergraduate students. It conducts a Research Methodology workshop for the postgraduate and doctoral students and provides Methodology and Statistical guidance for research projects. It validates the research tools developed by the students of varied disciplines, including M.Sc. Nursing, etc.

Current Research Areas: Routine childhood immunization, various areas of COVID namely home care; household secondary attack rate; vaccine hesitancy and new onset Diabetes, maternal morbidity, respiratory diseases specifically childhood pneumonia and drug resistant TB, non-communicable diseases, evaluation of telemedicine

Facilities: The field practice area of both rural and urban health training centers with the cooperation of various stakeholders like government, NGO, CSR is used for research additionally all the faculty has access

Publications:50 in last five years

Number of Publications :(faculty/ pg/ ug) (2018-2021): Total 38 publications in national and international journals in last four years

5. TESTIMONIALS:

UG

The department of community medicine exposed us to both the theoretical & practical knowledge about the health & disease of the community, health care settings & the various health programmes that are implemented in our country. I was very grateful to be exposed to the workings of RHTC, UHTC & Angamwadi etc. This exposure helped us broaden our horizon on the practical aspects of community problems. All the sessions were very interactive & all of my doubts were cleared effectively. We also learnt in detail about how to start & complete a research project and all of the information given to us will be very helpful in our future practice.



TRISHA-S
123

Trisha

As someone with zero medical background I always had anxiety while conversing with a person in doctor-patient point of view. Also the concept of research although super fascinating seemed extremely difficult coz of no prior knowledge. cm postings in II/III phase helped me overcome these obstacles in way that felt unreal. As someone who got his own original article published in our own journal (BVMJ), which felt unreal, I can speak for a fact that the research introduction, classes on how to choose a topic, guide, paper writing was all made easy because of cm dept & its faculties who cleared each & every doubt of mine. My fondations to every aspect about research, communication with a group on a doctor pov was strengthened docto-the family health survey, postings in RHTC, UHTC, seminars etc.

The immense support from community med. dept in clearing all my difficulties is something that I am grateful for.

Adwait
ADVAIT TELI



6. HAPPENINGS

Events: **Upcoming:** Annual IPHA conference in the month of September 2022

Knowledge Events Organized TILL Date

Event	Year	Title
Community Health Officers training programme affiliated with MUHS of six months duration	2019	CHO training
Exhibition cum Meet	2019	NGO meet of 12 agencies
State Conference	2015	Emerging Threats in Public health

State level Quiz	2015	Final round of Maharashtra state IPHA- UG quiz
State CME	2015	Scientific Research Proposal Development
	2015	CME For Medical Officers From Tribal PHCs of Maharashtra
	2014	Vector Borne Diseases
	2012	Healthy Ageing




7. Contact

Address:

Department of Community Medicine,
 3rd floor Bharati Vidyapeeth (Deemed to be) University, Medical College building,
 Off Pune Satara Road, Dhankawadi , Pune-411043
 Dept Email ID -cm.mcpune@bharativedyapeeth.edu
 Contact No-020-24373226 (Ext no -246)

8. PERIPHERAL INFRASTRUCTURE, DETAILS OF EXTENSION ACTIVITIES THROUGH HEALTH CENTERS AND OTHER INFORMATION

Infrastructure of Health centers for implementation of extension activities

Rural health Training Centre, Lavale	Urban Health Training Centre, Sadashiv Peth
 <p data-bbox="191 758 846 926"> Lavale, Maharashtra, India GPG3+F2R, Lavale, Maharashtra 411042, India Lat 18.526343° Long 73.702627° 02/03/22 10:33 AM </p>	
 <p data-bbox="191 1262 771 1377"> Lavale, Maharashtra, India Bus Station Lavle, Lavale, Maharashtra 412115, India Lat 18.526448° </p>	

RURAL HEALTH TRAINING CENTRE, LAVALE: 26 km from Bharati Vidyapeeth Deemed University Medical College, Pune. Covers 13 villages from Mulshi block of Pune district. Catering to approximately 49414 population.

List of extension activities through RHTC and UHTC: * Medical care, referral services * Health checkup camps * Training (UG & PG students & interns, ASHA, AWW) * Health education & Counseling * Celebration of public health days * Research projects by interns * Family Health survey by UG students * Implementation of National Health Programmes * ARSH clinic with collaboration with Yardi CSR * SAM/ MAM clinics in Dattawadi/ Dandekar pool slum with Yardi CSR.

RHTC infrastructure *3 storied state of the art building : * 2482 Sq. meters of built up area * Independent water supply and water storage facility * 24 hours inverter and generator back up * Labour room * Operation theater & Labor room * Laboratory & X-ray * Counseling room * General store room Pharmacy Administrative office

SERVICES: * General OPD *Specialist OPD- Ophthalmology Dermatology Homeopathy Optometry /Dental OPD *Indoor services *Referral services *Laboratory services X- ray *SMART SCOPY *National Health Programmes: Non communicable diseases /MCH/IMMUNISATION * Counseling by MSW *TL Laparoscopy Camps At RHTC, Lavale: 2018: RHTC Lavale renovated and upgraded its OT and from January 2019 started laparoscopic camp at RHTC, Lavale in collaboration with Primary Health Centre, Mutha. As on 31st March 2020, 14 laparoscopic camps conducted at RHTC Lavale. Total 191 patients under went laparoscopic TL surgery. *Field Based Activities RURAL Health & Demographic Surveillance System (HDSS), Lavale-HDSS is a household census system to monitor health trends, diseases (communicable & non-communicable as well) and vital events (births, deaths, migration, marriage etc) in the population. HDSS initiated in area under Rural Health & Training Centre (RHTC), Lavale on 1st January 2019. RHTC, located 26 km from the medical college, covers 13 villages from Mulshi block of Pune district.

URBAN HEALTH TRAINING CENTRE, SADASHIV PETH, PUNE: located 08 km from the medical college, covers 03 Municipal wards namely Ghole road, Kasaba-Vishrambagwada and Tilak road. It caters to a population of 60435 from 133 slums.

UHTC infrastructure: *3 storied state of the art building : * Independent water supply and water storage facility * 24 hours inverter and generator back up * Operation theatre *Laboratory * Counseling room * General store room * Pharmacy * Administrative office* training room museum* immunization room* day care beds *specialist room

SERVICES through UHTC: * General OPD *Specialist OPD- Ophthalmology Dermatology *Indoor services *Referral services *Laboratory services *SMART SCOPY *National Health Programmes: Non communicable diseases /MCH/IMMUNISATION * Counseling by MSW *Ophthalmic surgeries *Field Based Activities URBAN Health & Demographic Surveillance System (HDSS), It is a household census system to monitor health trends, diseases (communicable & non-communicable as well) and vital events (births, deaths, migration, marriage etc.) in the population. HDSS initiated in area under Urban Health & Training Centre (RHTC), Lavale on June 2019. UHTC. * **Community Based services/Outreach services:** Anganwadi health checkup, School health checkup, Multi diagnostic camps, Family health Survey, Immunization survey, Celebration of public health days, Healthy baby competition, MCH camp in collaboration with other agencies, NGO.

Affiliations: Five Urban Health Centers of Pune Municipal Corporation for posting of our Ug, PG students and interns for training purposes. These are -Late shri Vilasrao Tambe dispensary, Yugpurish Raja Chhatrapati Urban Health Center, Bibvevadi, Matoshri Ramabai Ambilodha Maternity Home, Balaji Nagar Maternity Home, Dhankawadi.

4. Governance & Administration: *UG, PG, NSS students* * Interns - Orientation training and administration of internship (5 days), field research project etc. *Training and supervision of Grass- root level health workers: Accredited Social Health Activist (ASHA), Anganwadi workers, Multipurpose Workers (MPWs), Community Health Officer course

5. Other activities: The department have hosted a state conference in 2015 and number of CME and guest lectures. The faculty have also provided consultancy for research .There are MOUs and collaborations with various NGO and CSRs as well as Pune Municipal corporation for work in field practice area of the centers. The faculty is MMC observer as well as reviewer to the reputed journals. The faculty is author for few textbook.

CONSULTANCY: To * UNICEF, United Nations Fund Population Activities (UNFPA), Pune *Health Care Management & Research Centre, *YASHADA, Pune, *Symbiosis Center of Health Care, Pune. *Government of Maharashtra, PATH

COLLABORATIONS TILL Date: *Government-STP *Pune Municipal Corporation, Health dept. * Sri Satya Sai Seva Organisation * Rotary club *CSR - Yardi Software * Chest Research Foundation (CRF)

AUTHOR IN VARIOUS BOOKS & CHAPTERS: ***Epidemiology and management for health care**, Edition: 4th 2014. ISBN: 81-8406-010-6. Authors: Dr. P. V. Sathe, **Dr. P. P. Doke**, Vora Medical Publications. * **Text Book of Community Medicine**, Edition: 5th, 2017 ISBN: 81-86361-41-3, Authors: Dr.A.P.Kulkarni, Dr.J.P.Baride, **Dr.P.P.Doke**, Dr.P.Y.Mulay ***Textbook of Prevention Practice and Community Physiotherapy**, Chapter : Public Health in India. **Dr. P.P.Doke** , Jaypee -The Health Sciences Publisher. First edition 2018 978-93-5270-325-8

BEST PRACTICES: *Health & Demographic Surveillance (HDSS) in rural field practice area. *Certificate Course in 'Biostatistics in Medical Research' *Screening of Cervical Pathologies using Smart Scope (IT) at Rural and Urban Health Training Centre, Lavale. *Laposcopic camp at RHTC in collaboration with DHO, Pune* Undergraduate Research Projects

FUTURE PLANS: *Advanced Course in Biostatistics * MOU with NGOs for UG/ PG elective posting or volunteering opportunity.