

Eighth Edition

Textbook of **Community Medicine**

Preventive and Social Medicine

is the completely rewritten, thoroughly revised and updated edition of the successful textbook, greatly acclaimed for its contents, coverage and treatment of the subject in accordance with the Latest Competency Based Undergraduate Curriculum for the Indian Medical Graduate mandated by National Medical Commission. Integration of attitude, ethics and communication skills into undergraduate competency based curriculum is strongly advocated in this edition.

Key Features of the Eighth Edition

Unique features: The eighth edition is in conformity with the latest Competency Based Undergraduate Curriculum for the Indian Medical Graduate mandated by MCI (now restructured as National Medical Commission). It presents 20 thoroughly revised and updated chapters and addresses 107 core competencies with special emphasis on 18 skill-based competencies. In addition, the seventh edition incorporates attitude, ethics, and communication (AETCOM) skills (soft skills) to be integrated into undergraduate curriculum. Methods of acquisition of these skills have been indicated. The revised chapters on concept of health and disease, ethics in medicine and doctor-patient relationship, social and behavioural sciences (humanities), principles of health promotion and education, counselling and social marketing, healthcare of community and community diagnosis, gender issues and women empowerment, healthcare delivery systems, health planning and management, laws pertaining to practice of medicine, focus on: "real life issues" as illustrated in Problem based Learning, various case studies, building communication skills, eliciting healthcare seeking behaviours, barriers in healthcare, doctor-patient and community relationship, communication needs, assessment of comprehensive community diagnosis, therapy and prognosis, role of physician in healthcare system and responsibility to society and community, working in a healthcare team as leader and member of health team, health legislations pertaining to practice of medicine in outbreak and pandemic situation. All the chapters focus on "Community as Patient", community diagnosis and community therapy. Whole of the government and whole of the society approach, leaving no one behind is the emphasis in all the revised chapters.

Part I

Part I of this comprehensive textbook on community medicine covers basic sciences related to the discipline of community medicine—application of social and behavioural sciences, clinicosocial case review, pedagogy, group dynamics, behaviour change communication, counselling in health and disease, health economics, concept of health and disease, health policy and goals, demography and population problem, applied nutrition, environmental health, epidemiology and its application, and applied biostatistics, medical entomology and medical genetics. The subject of epidemiology is covered in chapters on epidemiology and its application in epidemiology of CCDs and NCDs and research methodology, applied statistics and national health programmes, planning, monitoring and evaluation of health systems, the reproductive and child health, policy and programmes in India has been intentionally linked with demography and population problem and included in this part for the purpose of continuity and sequential learning. Generally, Part I conforms to Paper 1 in theory, excluding maternal and child health. The demarcation of theory papers to Paper 1 and Paper 2 varies from university to university but generally it covers the abovementioned areas.

Part II

Part II of the text covers epidemiology of communicable and non-communicable diseases, national health programmes, health management—healthcare delivery systems, health management functions—planning, monitoring and evaluation of services/programmes, healthcare financing, HMIS and hospital statistics. It also incorporates occupational health, geriatrics, disaster management, mental health, hospital waste management, international health regulations and health agencies, apart from international statistical classification of diseases and related health problems (ICD-11). These areas generally form the contents of theory Paper 2 of community medicine which also includes maternal and child health but may differ from university to university.

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Sunder Lal
Adarsh
Pankaj



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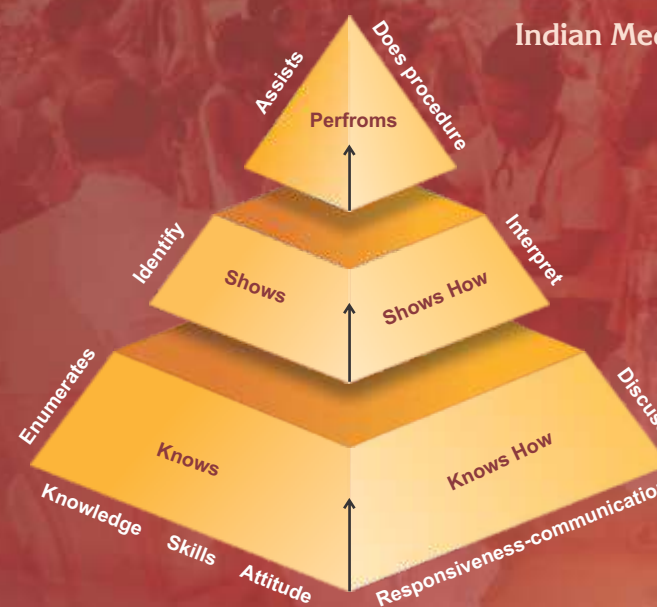
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Abbreviations

ACD	Active Case Detection	FSSA	Food Safety and Standards Act
AEFI	Adverse Events Following Immunization	FSWs	Female Sex Workers
AETCOM	Attitude, Ethics and Communication	GDP	Gross Domestic Product
AIDS	Acquired Immunodeficiency Syndrome	GNI	Gross National Income
AKD	Acetone Killed and Dried Typhoid Vaccine	GoI/GOI	Government of India
ANC	Antenatal Care/Clinic	HBPNC	Home-based Postnatal Care
ANM	Auxiliary Nurse Midwife	HDI	Human Development Index
APL	Above Poverty Line	HIV	Human Immunodeficiency Virus
ARSH	Adolescent Reproductive and Sexual Health	HLEG	High Level Expert Group
ASHA	Accredited Social Health Activist	HWC	Health and Wellness Centre
AWW	<i>Anganwadi</i> Worker	IAP	Indian Association of Paediatrics
BCC	Behaviour Change Communication	IAPH	Indian Association of Public Health
BObC	Basic Obstetric Care	IAPPD	Integrated Action Plan for Pneumonia and Diarrhoea
BPL	Below Poverty Line	IAPSM	Indian Association of Preventive and Social Medicine
CBHI	Central Bureau of Health Intelligence	IBBS	Integrated Bio-behavioural Surveillance Survey
CBR	Crude Birth Rate	ICDRI	International Conference on Disaster Resilient Infrastructure
CCDs	Communicable Diseases	ICD	International Classification of Diseases
CDR	Crude Death Rate	ICDS	Integrated Child Development Services Scheme
CHC	Community Health Centre	ICF	International Classification of Functioning, Disability and Health
CNA	Communication Needs Assessment	ICMR	Indian Council of Medical Research
CNAA	Community Need Assessment Approach	ICTC	Integrated Counselling and Testing Centre
Covid-19	Corona Virus Disease	IDD	Iodine Deficiency Disorders
CPHC	Comprehensive Primary Health Care	IDSP	Integrated Disease Surveillance Programme
CRS	Congenital Rubella Syndrome	IDU	Injecting Drug Users
CSW	Commensal Sex Workers	IEAG	India Expert Advisory Group
DGHS	Director-General of Health Services	IEC	Information, Education and Communication
DHAP	District Health Action Plan	IHR	International Health Regulations
DMO	District Malaria Officer	IHME	Institute for Health Metrics and Evaluation
DOTS	Directly Observed Treatment Short-course	ILO	International Labour Organization
DST	Drug Sensitivity Test	IMA	Indian Medical Association
DVBDCO	District Vector-borne Disease Control Officer	IMNCI	Integrated Management of Newborn and Childhood Illness
EAG	Empowered Action Group	IMR	Infant Mortality Rate
EC	Eligible Couple	INAP	India Newborn Action Plan
ECHS	Ex-servicemen Contributory Health Services	IPHS	Indian Public Health Standards
EHP	Essential Health Package	IPV	Injectable Polio Vaccine
EMObC	Emergency Obstetric Care		
EObC	Essential Obstetric Care		
FOGSI	Federation of Obstetric and Gynaecological Societies of India		
FP	Family Planning		

IRS	Indoor Residual Spray	PC–PNDT	The Pre-conception and Prenatal Diagnostic Technique Act
IUCD	Intrauterine Contraceptive Device	PHC	Primary Health Centre/Primary Health Care
IUGR	Intrauterine Growth Retardation	PHFI	Public Health Foundation of India
JSY	<i>Janani Surakshya Yojna</i>	PMJAY	Pradhan Mantri Jan Arogya Yojna
LBW	Low Birth Weight	PNMR	Post-neonatal Mortality Rate
MAA	Mother Absolute Affection	PPP	Public–Private Partnership
MB	Multi-bacillary Leprosy	PPTCT	Prevention of Parent to Child Transmission
MCH	Maternal and Child Health	RBSK	Rashtriya Bal Swasthya Karyakram
MCI	Medical Council of India	RCH	Reproductive and Child Health
MCPC	Mother and Child Protection Cared	RDA	Recommended Dietary Allowances
MCTS	Mother and Child Tracking System	RDT	Rapid Diagnostic Test
MDG	Millennium Development Goals	RGJAY	Rajiv Gandhi Jeevodayee Arogya Yojna
MGNREGA	Mahatma Gandhi National Rural Employment Guarantee Act	RMNCH + A	Reproductive, Maternal, Newborn, Child and Adolescent Health
MLHP	Mid-level Health Provider	RPR	Rapid Plasma Reagin
MMR	Maternal Mortality Ratio	RSOC	Rapid Survey of Children
MNA	Management Needs Assessment	RSPM-10	Respirable Suspended Particulate Matter-10
MOHFW	Ministry of Health and Family Welfare	RTI	Reproductive Tract Infection
MPHW	Multipurpose Health Worker	SBA	Swachh Bharat Abhiyan
MSM	Men Having Sex with Men	SBR	Stillbirth Rate
MTPA	Medical Termination of Pregnancy Act	SDG	Sustainable Development Goals
NCD	Non-communicable Diseases	SES	Socio-economic Status
NGOs	Non-governmental Organizations	SHC	Sub Health Centre
NHM	National Health Mission	SkBA	Skilled Birth Attendance
NHP	National Health Policy	SRS	Sample Registration System
NIDs	National Immunization Days	SSA	<i>Sarva Shiksha Abhiyan</i>
NIPCCD	National Institute of Public Cooperation and Child Development	STDs	Sexually Transmitted Diseases
NITI Aayog	National Institute for Transforming India Aayog	STIs	Sexually Transmitted Infections
NMMU	National Mobile Medical Unit	TAS	Transmission Assessment Surveys
NMR	Neonatal Mortality Rate	Td	Tetanus and Diphtheria Toxoid
NRHM	National Rural Health Mission	TGR	Total Goitre Rate
NSP	New Sputum Smear Positive	TFR	Total Fertility Rate
NSS	National Service Scheme	TNA	Training Needs Assessment
NSSK	<i>Navjat Shishu Swasthya Karyakram</i>	TSC	Total Sanitation Campaign
NTAGI	National Technical Advisory Group on Immunization	UHC	Urban Health Centre
NUHM	National Urban Health Mission	UID	Unique Identity Number
NVDCP	National Vector-borne Disease Control Programme	UIP	Universal Immunization Programme
NVHCP	National Viral Hepatitis Control Programme	UN	United Nations
NYVK	Nehru Yuva Vikas Kendra	UnHC	Universal Health Coverage
OOP	Out of Pocket Expenditure	UVBD	Urban Vector-borne Diseases
ORS	Oral Rehydration Salt	VHND	Village Health and Nutrition Day
ORT	Oral Rehydration Therapy	VHSNC	Village Health Sanitation and Nutrition Committee
PB	Paucibacillary Leprosy	WBD	Water-borne Diseases
PCD	Passive Case Detection	WHO	World Health Organization