

यतो धर्मस्ततो जयः

Municipal Corporation of Greater Mumbai

Existing Services

Primary

- Health Posts 183
- Dispensaries : 162
- Maternity Homes: 27
- Mother & child hospital 1
- Post-Partum Centers: 23

Secondary

- Peripheral Hospitals 18
- Specialty hospitals 5

TERTIARY

- KEM 2250 beds
- TNMC 1700 beds
- LTMG, Sion 1950 beds
- Cooper 650 beds
- NHDC 25 beds and 150 dental chairs

HEALTH CARE SERVICES

- Routine Diagnostic & Curative Services

- Emergency Services

- Specialized Services

- Super specialty Services

- Educational - *Medical*

- *Nursing*

- *OT/PT*

- *DHA/MHA*

- *Primary healthcare services*

- National Programmes

. *RNTCP*

. *NLEP, NMEP*

. *FW & MCH*

. *AIDS Control Programme*

. *School Health Programme*

• *Control of communicable diseases*

○ *Malaria Control, Filarial Control*

• *Immunisation programme*

- *Pest & Rodent Control*

- *Cemeteries*

HEALTH CARE SERVICES

Primary

Five speciality hospital and health post and dispensaries

National Programmes

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Control of communicable diseases

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• *Immunisation programme*

Secondary

Hospitals 18 – presently 16

Tertiary hospitals

• **KEM**

• **SION**

• **NAIR MEDICAL**

• **NAIR DENTAL**

• **Cooper Hospital**

Tertiary

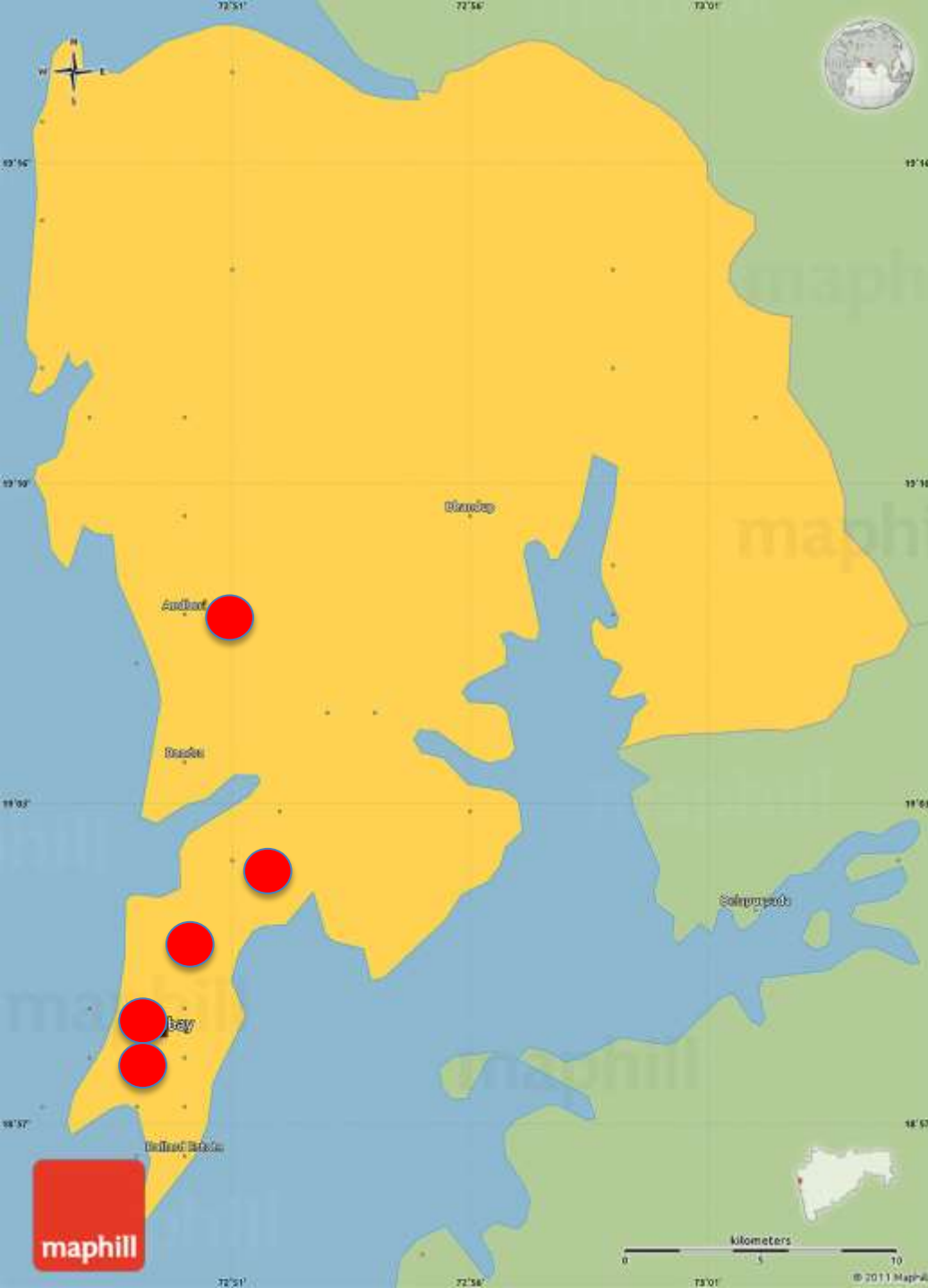
Seth G S Medical
College and KEM
Hospital

Lokmanya Tilak
Medical College &
General Hospital

Topiwala National
Medical College &
Nair Hospital

Nair Hospital
Dental College

HBT Medical
College & Cooper
hosp



Major Hospitals



	KEM	Nair	Sion	Cooper	Total
Existing BEDS	2250	1700	1950	650	6600
Proposed beds	--	200	--		--
Average occupancy	85% (110%)	81% (110%)	89% (110%)	80%	--
Teaching Faculties	498	298	295	139	1230
R.M.O.	1055 (899)	516 (541)	797 (636)	100	2368 (2076)
NURSING Staff	965	677	778		2420
Paramedical Staff	767	382	405		1554

Major Hospitals

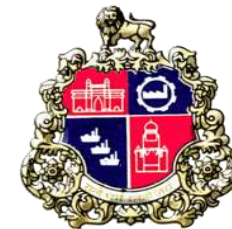


	KEM	Nair	Sion	Total
Existing BEDS	2250	1304	1750	5304
Proposed beds	--	200	--	--
OPD Patients	1839271	737401	1900000	4476672
INDOOR Patients	82787	51955	83490	218232
OPERATIONS	59317	25000	25912	110229
Deliveries	7200	4880	14124	26204

SPECIALIZED HOSPITALS

NAME OF THE HOSPITAL	BED STRENGTH	SERVICES PROVIDED
Kasturba Hospital for Infectious diseases	515	Isolation & Treatment of patients suffering from Infectious Diseases and burn cases. Nodal Hospital linked with NICD, as sentinel Surveillance centre
Group of T. B. Hospital	1000 + 150	Isolation & Management of open & complicated drug resistant Tuberculosis patients. Bahadurji Block for admitting MDR & XDR TB patients. Facilities of GenXpert, MIGIT, LPA.
Leprosy Hospital	240	Management and rehabilitation of Leprosy Patients along with Health Education Activities
ENT Hospital	100	Comprehensive care for patients with Ear, Nose & Throat elements.
Eye Hospital	80	Providing diagnostic & Operative services for all ophthalmic elements. School of Optometry.

5 Specialized Hospitals



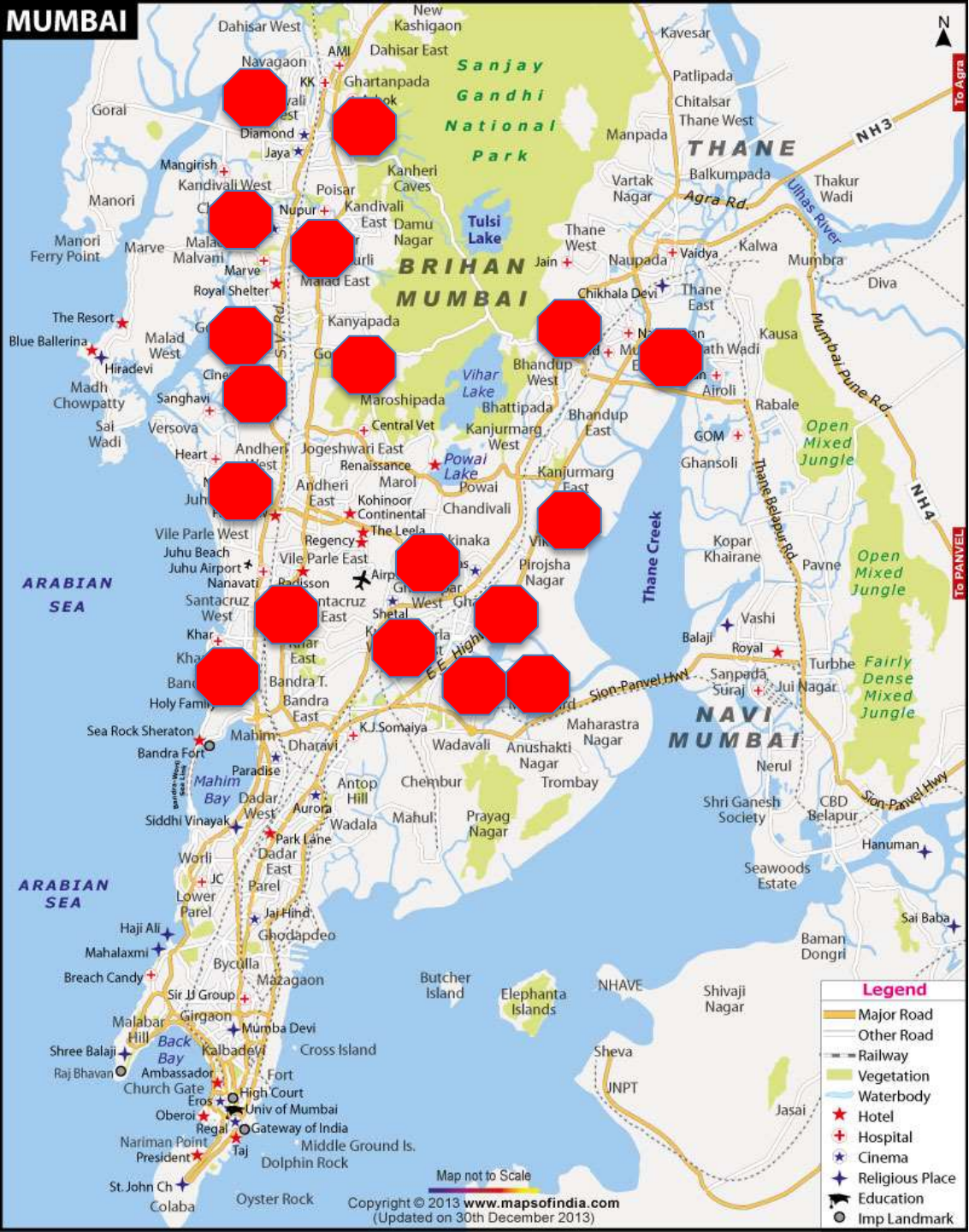
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MUMBAI





Peripheral Hospitals

K. B.BHABHAHOSPITAL,BANDRA	436
COOPER HOSPITAL,JUHU(new medical college)	650
HINDUHRUDAYSAMRATBALASAHEBTHAKRETRAUMA CARE,JOGESHWARI	304
BHARATRATNADR.BABASAHEBAMBEDKARHOSPITAL,KANDIVALI	324
BHAGWATI HOSPITAL,BORIVALI(under redevelopment)	373
V. N.DESAI HOSPITAL,SANTACRUZ	259
SIDDHARTH HOSPITAL,GOREGAON	172
S. K.PATIL HOSPITAL,GOREGAON	50
M. W.DESAI HOSPITAL,MALAD	180
KASTURBACROSS ROAD,BORIVALI(under redevelopment)	105

Peripheral Hospitals



RAJAWADIHOSPITAL,GHATKOPAR	596
K.B.BHABHAHOSPITAL,KURLA	306
Pd.MadanMohanMALVIYASHATABDIHOSPITAL,GOVANDI	210
M. T.AGRAWALHOSPITAL,MULUND(West)	225
MAHATMAJYOTIBAHOSPITAL,VIKROLI	140
V.D.SAVARKARHOSPITAL,MULUND(East)	105
SANTMUKTABAIHOSPITAL,GHATKOPAR	109
MAA. HOSPITAL,CHEMBUR	74
Additional Beds available in PPP model	
SEVEN HILLS HOSPITAL,ANDHERI(45)	20% of 225
B.S.E.SBrahmakumariHospital,ANDHERI(28)	20% of 140



Municipal Beds in Mumbai

Major Hospitals	6600
Peripheral Hospitals	3954
Specialized Hospitals	2085
Maternity Homes	955
Total Municipal Beds	13594



Specialized Services by M.C.G.M.

- Organ Transplantation & Cadaver Transplant at BMC Hospitals.
- Diagnostic Services : DSA, MRI, CT, Mammography, Video EEG
- AST (Audio & Speech Therapy)
- Oncology Dept. 75 beds. & Radiation Medicine Centre
- Hyperbaric Oxygen Therapy
- Milk Bank, Skin Bank.



Specialized Services by M.C.G.M.

❖ Specialty Intensive Care Units in MCGM

- › Neonatal ICU,

- › Medical ICU,

- › Paediatric ICU,

- › Cardiac ICU,

- › Surgical ICU &

- › Central Monitoring System in Medical IC U.

- ❖ Pediatric Cardiac Surgeries & Epilepsy Related Surgeries



Medical Education by M.C.G.M.

	KEM	Sion	Nair	Cooper	Dental	Total
Undergraduate	180	100	120	150	60	610
Post Graduate	210	121	156		70	557
M.D./M.S.	134	81	116		70	401
Diploma	51	32	26		–	109
Super speciality	25	8	14		–	47
Nursing	90	90	100		–	280
MSc/PhD/DMLT	106	20	52		–	178
OT/PT/BPTH/MPTH	115	27	56		–	198
Total	701	358	484	150	130	1823

Superspeciality Services

- Cardiology
- Nephrology
- Haematology
- Gastroenterology
- Oncology
- Endocrinology
- Neurology
- Ped Anesthesia
- CVTS Anaesthesia
- Neonatology
- CVTS
- Urology
- GI surgery
- Oncosurgery
- Neurosurgery
- Ped Surgery
- Plastic Surgery

Fellowships

- Newer specialties – total 36 – 40
- Imaging – Neuro/ Body/ Interventional
- Critical care
- HPB surgery
- Minimal Access
- Infertility fellowship
- Genetics
- Joint replacement/ Spine

Research and Innovations

- More than 500 speciality and around 100 superspeciality students per year
- +PhD, MSc students
- Research thesis and Clinical trials

National and International collaborations

- Regional Transplant center – KEM
- Multifaculty Research Unit – ICMR - KEM
- Telemedicine center – KEM and Sion
- NKN center
- Pediatric Haemoncology ward
- HIV center of excellence
- CDC/ NIH collaborations for TB
- GSMC FAIMER regional Institute

Social Accountability

- Providing Health care to needy and Poor accounts to more than 50 percent of population of Mumbai
- Free/ low cost health care
- School clinics

Achievements



- Effective medical management of **monsoon related illness ward** and medical camps arranged in city of Mumbai resulted into reducing mortality.



मुंबई
आरोग्य अभियान
आपली मुंबई, निरोगी मुंबई

Community Involvement and Community education



Malaria Situation (2011- 2015)

Year	Total B.S. Coll*	No. of Positive Cases	SPR **	No. of Deaths	% decrease in cases compared to 2011	% decrease in cases compared to 2012	% decrease in cases compared to 2013
2011	1627912	39822	2.4	69			
2012	1489525	16086	1.0	45	60 ↓		
2013	1379048	10565	0.7	30		34 ↓	
2014	1321977	9068	0.6	18			14 ↓
2015 (up to 30 April)	394736	1687	0.4	1			

*Blood Smear

** Slide Positivity Rate

Report of Dengue

Year	Cases	Deaths
2012	1008	5
2013	927	11
2014	861	12
2015	980	12

Water Borne Diseases



Cases	Gastro	Hepatitis (A & E)	Typhoid
2012	12287	2353	744
2013	12623	1410	1352
2014	11046	1418	1237



Community Education/ Participation of Residents

- Outdoor vector control activities are found effective as reduction in malaria cases is seen

Year	Total B.S. Collection	No. of Positive Cases	SPR	No. of Deaths
2010	1384538	76755	5.5	145
2011	1627912	39822	2.4	69
2012	1489525	16086	1.0	45
2013	1379048	10565	0.7	30
%	7 % ↓	34 % ↓	43 % ↓	33 % ↓
2014 (Up to Oct 2014)	1097822	7595	0.6	9

- For control of indoor breeding, cooperation from each household is necessary and **community need also to own-up to this responsibility**



Local initiatives

Curriculum to align health needs

- Malaria and Dengue – High Burden
- Severe Malnutrition upto 12% in Slums



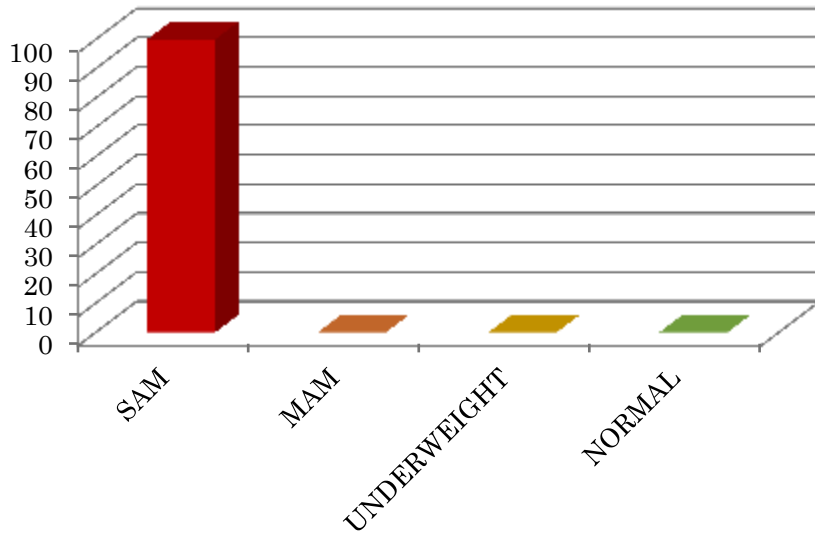


MNT

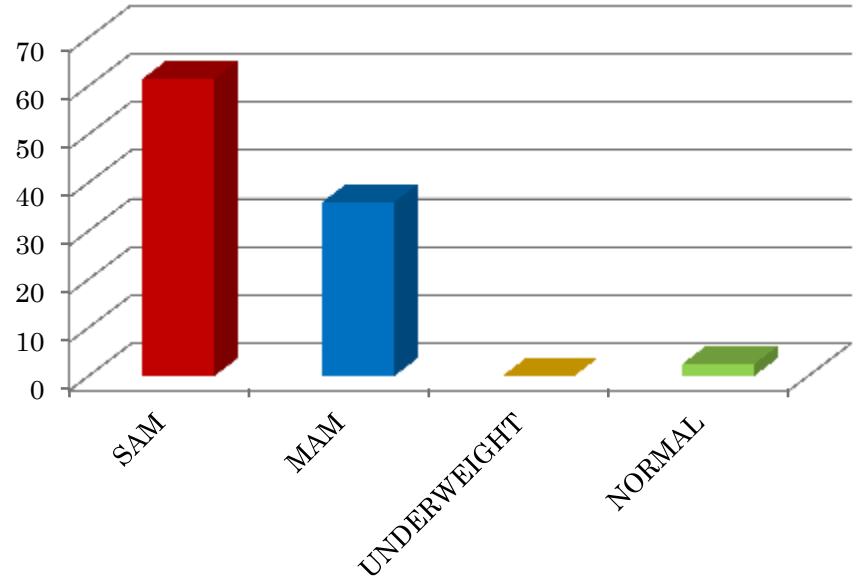
Appetite test



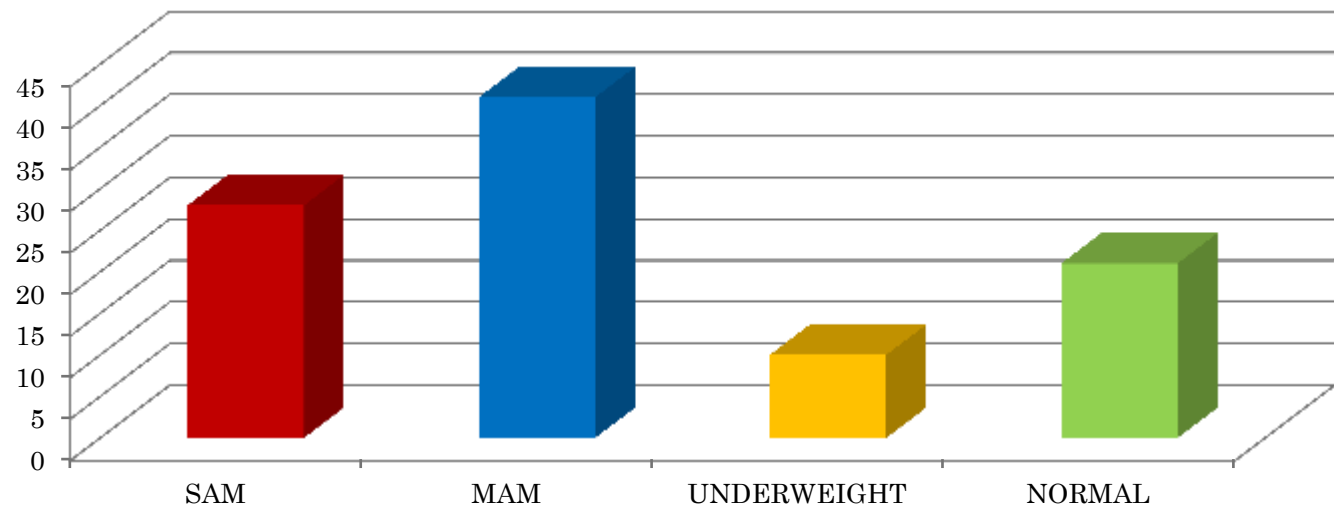
ENROLLMENT



8 WEEKS



6 MONTHS



Nutritional status of the children

Local Innovations

Curriculum to align health needs

- Malaria and Dengue – High Burden
- Severe Malnutrition upto 12% in Slums
- Maternal Health

mMitra



Enrolled women receive information specific to their gestational age or age of the infant in their chosen timeslot and language.

Reach of mMitra

	Total Number of Subscribers
Hospitals	4761
NGOs	2715
ICDS	54



Call Data

	July	August	September	October
Total number of voice calls sent in the current month	38511	60528	29897	48990
Total number of calls answered	9716	7166	6424	6367
No. of completed calls heard (entire duration)	4152	2768	2409	4077
No. of calls heard- 75% of duration	3107	2535	2257	252
No. of calls heard- 50% of duration	1326	996	1062	402
No of calls heard - 25% of duration	1131	867	696	1517
No. of calls not connected or unanswered or call drops	28795	53362	23473	42623
No. of women registered this quarter	1105			191

Value additions



- MCGM provides many programs like – Learning disability clinic, Thalassemia clinic , geriatric clinic , genetic clinic,
- TB hospital is one of its own kind in the country
- Humane service to poor and unaffordable sector



ORAL CANCER PREVENTION AND DETECTION CENTRE in Nair Hospital Dental College.

- .Early Cancer Detection Centre established.
- .Recently Veloscope procured for early cancer detection.
- .Geriatric dentistry module to be introduced to students





Renovated Thalassemia day care centre

L.T.M.G.Sion

- **30-40 patients per week**
- **2000-3000 patients per year**
- **Blood transfusion facility available**
- **ART Treatment available**
- **Guidance by experts**
- **Financial Help from NACO & Rotary Club.**





Limitations of our system

.Manpower shortages

.Non efficient Dissemination of services

.Poor hotel component

.Overcrowding and mobocracy



Humanity in overpopulated city of Mumbai Public Health Sector

Serving the sick and poor

Best Medical education

- KEM ranked best Medical school in west zone and 6th in All India
- Consultant producing hospital





Thank You!

Achievements



- Effective medical management of monsoon related illness ward and medical camps arranged in city of Mumbai resulted into reducing mortality.
- Chemotherapy Ward of 75 bedded commissioned in Nair
- Surgical oncology tie-up with Prince Ali Khan Hospital and Tata Cancer Hospital.
- Breast diseases OPD started along with mammography.
- Diabetes awareness clinic started across the city of Mumbai.



Work in Progress

- **MRI Machine & Bi-PlaneDSA machine for Radiology dept.**
 - **CathLab machine for Cardiology Dept.**
 - **NAT System-ID NAT System for Transfusion Medicine**
 - **Modular OT for Pediatrics Surgery, Plastic Surgery, Gynaecology & Obstetrics & Urology dept.**
-
- **Centre of excellence in oral health care at Nair Hosp. Dental College.**

MUNICIPAL HOSPITAL BEDS

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