ORIGINAL RESEARCH PAPER

Health Science

HEALTH SITUATIONAL ANALYSIS OF BOROUGH III AND VIII, KOLKATA MUNICIPAL CORPORATION, WEST BENGAL, INDIA

KEY WORDS:

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OBJECTIVE OF THE STUDY

- Describe the Socio-demographic characteristics in terms of population and economic resources.
- Describe organizational set up of the KMC borough health system.
- Assessment of major public health priorities.

Methodology

- Study Area: Borough III and VIII of KMC
- Study Population: People living in Borough III and VIII of KMC
- Study Period: 29-Nov-2012 to 22-Jan-2013
- Study Design: Data based Retrospective Analytical Study

DATA COLLECTION METHOD:

- Visiting different offices of health and other related departments of Borough III & VIII
- Various reports published at state, kolkata district and borough levels by the department of health and family welfare

- **Data Source**
- Borough-III and VIII Health Report
- Official Website of KMC (https://www.kmcgov.in)
- Official Website of Department of H & FW, Govt. of West Bengal (http://www.wbhealth.gov.in)
- Census Data 2011
- SRS Report
- NFHS-3 Report (http://www.nfhsindia.org/nfhs3.html)
- Health on March, WB.
- MDGs, India Country Report
- The World Health Report
- District Statistical Handbook

Socio-Economic-Demography: Br III

- Population: 1,98,484
- Male – 1,00,334 (50.55%)
- Female – 98,150 (49.45%)
- Sex Ratio: 967 Female/ 1000 male
- Population Density: 17970 per Sq. KM
- SC population: 18142 (9.18%)
- ST Population: 608 (0.30%)

Source: KMC Website
- Population: 15,912
- Male – 8,012 (52.9%)
- Female – 7,900 (47.1%)
- Sex Ratio: 986 Female/ 1000 male
- Literacy: 87.14%

Economic Resources

	PERSON	MALE	FEMALE
TOTAL WORKER	70,083 (35.44%)	55,979 (55.65%)	14,104 (14.52%)
Main Worker	66,975 (95.56%)	54,140 (96.71%)	12,835 (91.00%)
Marginal Worker	3,108 (4.44%)	1,839 (3.29%)	1,269 (9.00%)
NON-WORKER	1,27,664 (64.56%)	44,609 (34.35%)	83,055 (85.48%)

Main Worker Distribution

	PERSON	MALE	FEMALE
Cultivator	271 (0.42%)	148 (0.27%)	123 (0.95%)
Ag. Labourer	116 (0.17%)	86 (0.15%)	30 (0.23%)
Household Industry Worker	743 (1.10%)	499 (0.92%)	244 (1.91%)
Other Workers	65,845 (98.31%)	53,407 (98.64%)	12,438 (96.91%)

Borough III Admin Office:
Office Address - 109, Narkeldanga Main Road Kolkata-700011
Immunization centres in Br 3
IMMUNIZATION STATUS of Br III

- Immunization plan : 594 sessions.
- But 547 sessions carried out.
- Missed sessions :7.33%
- Fully Immunized: 2175.
- Pulse polio sessions : regular
- Malaria Clinic: 3
- Dispensary: 3
- KMCP School : 13
- Burial Grounds: 2

Borough III Staff Distribution

Category of staff	Sanctioned	In-position	Vacant
EHO	1	1	0
GDMO	6	6	0
ADDL. MO	3	3	0
PHARMACIST	2	1	1(50%)
LAB.TECHNICIAN	NA	1	-
HEALTH SUPERVISOR	NA	1	-
FEMALE HEALTH ASSISTANT	2	1	1
FIELD WORKER	40	30	10(25%)
GDA+MHW	45	37	12(26%)
CUDP FIELD STAFF	NA	13	-
KSIP FIELD STAFF	NA	7	-
SWEEPER	NA	5	-
COMPUTER ASST.	5	3	2(40%)

Socio-Economic-Demography: Br VIII
- Population: 2,91,509
  - Male – 1,46,425(50.23%)
  - Female – 1,45,084 (49.77%)
- Sex Ratio: 990 Female/ 1000 male
- Population Density: 40488 per Sq. KM

Economic Resources

	PERSON	MALE	FEMALE
TOTAL WORKER	70,081 (36.42%)	54,969 (55.65%)	15,122 (16.42%)
Main Worker	68,923 (96.56%)	55,140 (97.51%)	1,835 (91.00%)

Marginal Worker	3,108 (4.44%)	1,939 (3.89%)	1,369 (9.60%)
NON-WORKER	1,26,664 (63.56%)	43,609 (33.35%)	84,548 (86.48%)

Main Worker Distribution

	PERSON	MALE	FEMALE
Cultivator	282 (0.74%)	152 (0.37%)	126 (0.96%)
Ag. Labourer	115 (0.16%)	92 (0.20%)	36 (0.31%)
Household Industry Worker	768 (1.70%)	486 (0.85%)	257 (2.21%)

Borough VIII Infrastructure
 (Source: KMC)

Borough Admin Office:
172/5, Rash Behari Avenue, Kolkata – 700029
Malaria Clinic: 6
• Dispensary: 2
• Burial Ground: 0
• KMCP School :0

• **Chest Clinic (DOTS):** Nil **Leprosy:** Nil **Burning Ghat:** Nil **Burial Ground:** Nil **Slaughter House:** • Lansdowne Slaughter House
 Lansdowne Market
 55/1, Sarat Bose Road, Kolkata – 25

IMMUNIZATION STATUS OF BR VIII: Immunization plan : 297 sessions.

• But 273 sessions carried out.
• Missed sessions :7.78%
• Fully Immunized: 2318.
• Pulse polio sessions : regular
• 1 case of HIV reported from WARD 85 in the year 2012

Borough VIII Staff Distribution

Category of staff	Sanctioned	In-position	Vacant
EHO	1	1	0
GDMO	7	7	0
ADDL. MO	5	5	0
PHARMACIST	2	2	0
LAB.TECHNICIAN	NA	1	-
HEALTH SUPERVISOR	NA	1	-
FEMALE HEALTH ASSISTANT	2	2	0
FIELD WORKER	50	42	8(16%)
GDA+MHW	50	40	10(20%)
CUDP FIELD STAFF	NA	15	-
KSIP FIELD STAFF	NA	10	-
SWEEPER	NA	7	-
COMPUTER ASST.	5	4	1(20%)

Key Public Health Priorities
• MALARIA
• Entire population of the Borough III & VIII are at risk.
• Several water bodies,poor housing,poor ,sanitation and overcrowding.

• **Total malaria cases of Br.III :**
• No. of PV cases: 2105(96.78%)
• No of PF cases: 69(3.17%)
• No of Mixed cases: 01(0.05%)

• **Total malaria cases of Br VIII:**
• No. of PV cases: 2225(84.83%)
• No. of PF cases: 395(15.06%)
• No. of Mixed cases:03(0.11%)
• Other Vector Borne Diseases Of Br.III

• DENGUE- 646 cases reported
• IGM-122
• NS1-524
• CHIKUNGUNYA- 2 cases reported
• TYPHOID – 3 cases reported

• **Ongoing control measures:**
• Early detection
• Prompt treatment
• Regular insecticide spray
• Water disinfection and chlorination.
• Other Vector Borne Diseases Of Br.III
• DENGUE- 1127 cases reported
• IGM-230
• NS1-897
• CHIKUNGUNYA- 1 case reported
• TYPHOID – 4 cases reported

• **Ongoing control measures:**
• Early detection
• Prompt treatment
• Regular insecticide spray
• Water disinfection and chlorination.
• Malaria Ongoing Measures
• Preventive Strategy
• Selective vector control
• Personal protection
• Information, education and communication
• HIGH SPEED PROPELLER BOATS USED IN CANALS
• LEMON GRASS PLANTING
• RENOVATION
• Control strategy
• Early detection by blood smears and/ or   Rapid Antigen Test and prompt treatment
• Treatment of uncomplicated malaria at community level
• Treatment of complicated malaria at health facility
• Early detection and management of epidemic
• Maintenance of regular flow of authentic data.

SWOT   ANALYSIS
SWOT- ANALYSIS Br. III & VIII

STRENGTH	WEAKNESS	OPPORTUNITY	THREATS
Small area which is easily accessible- good communication -scope for good supervision.	Poor documentati on	Convergence with KSIP and CUDP programs	Huge population with over crowding –an outbreak of a communicable disease will spread fast.
Leprosy MDT Centre	No analysis of the Information generated at the Ward level	Private Public Partnership	Large number of un reported cases
High literacy rate-people are health conscious.	Missed immunizatio n sessions Poor immunizatio n coverage	Good health planning with health education leading to health awareness.	Poor feedback system
	No maternity homes		

SUMMARY
• Very high number   of Malaria Cases among All Boroughs – **2175** (Br.III)& **2623** (Br.VIII).
• Very high number of cases of dengue:646(Br.III)&1127(BR.VIII)
• Documentation of ARI & Diarrhoea Very Poor
• Immunization Coverage not very good
• Poor Documentation of Mother & Child Health Parameters under RCH Program.

RECOMMENDATIONS
- Coverage Of RCH Programme to be Improved
- Regular Monitoring & Evaluation of the Activities of all Health Staff
- Awareness Generation among Beneficiaries through IEC Activities and feedback encouraged.
- Prevention and control of vector borne diseases should be reinforced.
- Structured Documentation of Data for all diseases covered under IDSP.
- Logistics Supply of Vaccine and Drugs
- Immunization coverage to be improved
- Add on clinics or mobile health care facility to be implemented.