Outline

• Health of Mumbai
• MCGM’s Response
• Need of the Hour
• In a Nutshell
• Next Steps - Partnership
• Way forward
The Health of Mumbai

- Communicable
- Mental Health
- NCDs
- Geriatrics
- EMS & Trauma
- Maternal & Child Health

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Communicable diseases
Communicable diseases

- **Vector Borne**
  such as Malaria, Dengue
- **Water Borne**
  such as Typhoid, GE, Hepatitis
- **Air Borne**
  such as H1N1
- **Tuberculosis**
- **HIV AIDS**
Communicable diseases

4 Point Mantra

• Surveillance

• Early Detection

• Correct & Complete Treatment

• Community Awareness & Action
Communicable diseases

**MCGM’s Response**

- Health Posts - Dispensary Linkage
- Mumbai Arogya Abhiyan Camps
- Sensitization of PMPs
  - Slum population at mercy of quacks
  - *Prosecute* them? or *train* them?

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Communicable diseases

MISSION
Curtail Transmission & Mortality

Need of the Hour

• Greater Private Sector involvement:
  – PPP Model (CSR) in *Evening* & *Sunday clinics*
  – Health Camps
  – Increasing awareness
Tuberculosis

Let’s Conquer T.B. Together

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Mumbai Scenario

- Annual avg. new TB detections: 30,000

1668 DR-TB cases diagnosed in 9 months
Tuberculosis

**MCGM’s Response**

- Outreach activities
  - TB survey - Door to Door
  - Case detection - Arogya Abhiyan camps

- Strengthening of *infrastructure*

- MDR - Early *Diagnosis* and *Management*

- GTB Hospital - Wards expansion & Surgical services rejuvenation
MCGM’s Response

**Awareness Strategy**

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**Let’s Conquer T.B. Together**

**Knowledge, Early Detection, Treatment**

- Early detection of the disease
- Early treatment to prevent transmission
- Regular check-ups for the disease

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**Practical Action Towards Eating**

- Balanced diet
- Avoid alcohol
- Avoid smoking
- Avoid stressful situations

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**Conquering Tuberculosis Together**

- Awareness of the disease
- Early detection
- Treatment of the disease
- Support for the affected

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**MCGM’s Response**

**Awareness Strategy**

**Municipal Corporation of Greater Mumbai**

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Tuberculosis

MISSION

Early detection, complete treatment
Every TB patient into RNTCP net

Need of the hour

• Greater Private Sector involvement in DR-TB:
  – PMPs as treatment providers under RNTCP
  – Strengthening of infrastructure
HIV AIDS Control

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HIV AIDS Control

**Mumbai Scenario**

- Annual positive cases: 12,000 - 15,000
- Total Positive cases (2005 - 2011): 1,12,594

**MCGM’s Response**

100 Testing centers

27 STI centers
HIV AIDS Control

4 Point Mantra

• Prevention Program - Condom promotion

• Early detection - Over 100 Shakti clinics

• Care & Support - Infected & Affected

• Combat Stigma & Discrimination at health facility
HIV/AIDS की मुफ्त जानकारी और सलाह।
केस पेपर की आवश्यकता नहीं।
पूरी तरह से गोपनीय।

क्या HIV/AIDS की सलाह मुफ्त मील सकती है?
क्या ये सलाह पूरी तरह से निजी है?
पर ये मुंबई में कहाँ उपलब्ध है?

शक्ति किलिनिक
HIV/AIDS सलाह केंद्र

अधिक जानकारी के लिए फोन कीजिए 022-2411 4000
HIV AIDS Control

MISSION
To combat stigma & discrimination

Need of the hour
• Greater Private Sector involvement:
  – Education & Nutrition for *Infected & affected* children
  – *Social protection* for PLHIV
  – Strengthen
Non - Communicable diseases

DRIVE AGAINST DIABETES
NCDs

- Diabetes
- Hypertension

\{ Stroke, Heart Disease \}

- Cancer

- Respiratory ailments like Asthma

- Kidney failure
Diabetes & Hypertension
Diabetes & Hypertension

Mumbai Scenario

• Diabetes cases: 11,56,253 (Prevalence @ 9.3% of pop.)

MCGM’s Response

• 74 Diabetes clinics - Free diagnosis & treatment

• Outreach Activities
  – Door to door surveillance
  – Special Diabetes camps
  – Work Place Intervention
  – Health talks in schools

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Diabetes & Hypertension

MISSION

Reach out at pre-diabetic stage

Need of the Hour

• Greater Private Sector involvement:
  – PPP Model (CSR) in *Evening* & *Sunday* clinics
  – Increase Awareness
  – Diabetes camps

• Building up a database
Non - Communicable diseases
Mumbai Scenario

- Total patients (Tata Hospital): 250,000
- Newly diagnosed annually: 11,000 - 12,000
- Beds (Tata Hospital): 800

<table>
<thead>
<tr>
<th>Top 4 Cancers</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lung</td>
<td></td>
<td>Breast</td>
</tr>
<tr>
<td>Head &amp; Neck</td>
<td></td>
<td>Cervical</td>
</tr>
<tr>
<td>Stomach</td>
<td></td>
<td>Head &amp; Neck</td>
</tr>
<tr>
<td>Oesophagus</td>
<td></td>
<td>Stomach</td>
</tr>
</tbody>
</table>
Cancer

**MISSION**
Prevention, Detection at pre-cancerous/stage I & Early treatment

**MCGM’s Response**
- Awareness for *prevention*
- *Camps* for early detection

**Need of the Hour**
- Greater Private Sector involvement:
  - Dedicated cancer hospital & cancer beds

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Kidney Failure
Kidney Failure

**Mumbai Scenario**
- Dialysis beds available: 600
- Demand for dialysis: 13,000 - 14,000

**MCGM’s Response**
- Dialysis Centers in Peripheral Hospitals - PPP/Charitable Model
Kidney Failure

MISSION

Immediate expansion of dialysis facilities

Need of the Hour

• Greater Private Sector involvement:
  – Dialysis Centers at MCGM premises - charitable/PPP Model

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Emergency medical services
**Mumbai Scenario**

- Annual avg. emergency cases: 40,000 - 42,000

**MCGM’s Response**

- 7 trauma centers
  - Medical colleges: KEM, Sion, Nair
  - PH: Bhabha Bandra, Cooper, Bhagwati, Rajawadi

- 3 proposed trauma centers
MISSION
Admission & Prompt treatment in Golden Hour

Need of the Hour

• Greater Private Sector involvement:
  – Code of ethics for trauma cases
  – Integrated Ambulance service
  – Strengthening of referral protocols
Maternal & child health
## Mumbai Scenario

<table>
<thead>
<tr>
<th>2011 Data</th>
<th>Mumbai</th>
<th>Maharashtra</th>
</tr>
</thead>
<tbody>
<tr>
<td>Death Rate* (1000)</td>
<td>7.37</td>
<td>6.7</td>
</tr>
<tr>
<td>Birth Rate (1000)</td>
<td>13.48</td>
<td>17.6</td>
</tr>
<tr>
<td>Infant Mortality Rate (1000)</td>
<td>29.53</td>
<td>31</td>
</tr>
<tr>
<td>Maternal Mortality Rate (1,00,000)</td>
<td>144</td>
<td>104</td>
</tr>
<tr>
<td>Neonatal Mortality Rate (1000)</td>
<td>17.77</td>
<td>NA</td>
</tr>
</tbody>
</table>
Maternal & child health

MISSION
Healthy Mother - Healthy Child!

MCGM’s Response
• Clinics for:
  – ANC clinics
  – MCH Services (60% of births at MCGM facilities)
Maternal & child health

Need of the Hour

• Greater Private Sector involvement:
  • Ante natal care at all health posts
  • PPP Model (CSR) in *Evening* clinics
  • Mobile ANC clinic
  • Counseling & *nutrition* facilities

• Strengthening of referrals in MCGM & implementation of protocols at all levels
Mental health
Mental health

**Mumbai Scenario**
- Mental health cases: 8,08,134 (Prevalence @ 6.5% of pop.)

**MCGM’s Response**
- Mental Health clinics in Peripheral hospitals
- Increase in IEC activities
- Counseling & guidance facilities for patients
- Strengthening of De-addiction facilities
Mental health

MISSION
Healthy Minds, Healthy Lives

Need of the Hour

• Greater Private Sector involvement:
  – Establishing a 24 X 7 Helpline
  – Emotional support to patients
Geriatrics
Geriatrics

**Mumbai Scenario**

- Emerging health issue for MCGM

<table>
<thead>
<tr>
<th>Year</th>
<th>1970</th>
<th>2010</th>
<th>2050</th>
</tr>
</thead>
<tbody>
<tr>
<td>Life Expectancy</td>
<td>48.72</td>
<td>66.53</td>
<td>74</td>
</tr>
</tbody>
</table>
MCGM’s Response

- Geriatrics clinics in Peripheral hospitals
- Helpline w.e.f. 1st November 2012
- Outreach activities - doorstep service
Geriatrics

MISSION
Befriend the elderly, combat their loneliness

Need of the Hour

• Greater Private Sector involvement:
  – Strengthen Helpline
  – Dedicated Geriatric hospitals & clinics
  – Old age homes
  – Emotional support

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Affordability

- Over 60% of slum population

- **Middle Class Dilemma**
  - Too poor to avail 5 star facilities
  - Too rich to approach public sector

- **High cost:**
  - Investigation
  - Treatment (cancer treatment, supra-major illnesses, implants)
Inadequate Availability

**BEDS**

- Shortage of approx. 6,000 beds
- Uneven distribution of beds & services

<table>
<thead>
<tr>
<th>Population (census '11)</th>
<th>Beds Available</th>
<th>Beds Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>City</td>
<td>31,06,514</td>
<td>23,697</td>
</tr>
<tr>
<td>Suburbs</td>
<td>93,26,316</td>
<td>21,722</td>
</tr>
</tbody>
</table>

- WHO recommendation: 3 beds / 1000 population

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Inadequate Availability

SERVICES

- High end pathology and radiology services
  – eg: CT scan, MRI, PET scan
- Dialysis centers
- ICUs / NICUs
- Trauma units
- Cancer treatment facility
- Skilled staff
- Centralized health indicator database
Next Steps...Partnership

• PPP Models on charitable / CSR basis
  – Sunday & Evening clinics
  – Dispensaries, peripheral hospitals, Maternity homes

• Health camps

• Adopting slum communities

• Health facilities
  – Private facility at MCGM hospitals
  – Private budget hospitals
Next Steps...Partnership

• Integrating Ambulance service

• Helplines
  – Mental Health
  – Geriatric Health

• Augmentation of infrastructure
  – Cancer
  – DR - TB
  – EMS & Trauma
  – Geriatrics
Way forward

• Development of CSR Corpus

• Partnership between Mumbai 1\textsuperscript{st} & MCGM Health

• Monthly & Quarterly Meetings
Thank you