National Tuberculosis Program

Jocelyn Tabotabo, RN, MPA
NTP Regional Coordinator
DOH-RO 7
How Serious is the TB Problem?
### Magnitude of TB problem

<table>
<thead>
<tr>
<th></th>
<th>Mortality Rate</th>
<th>Prevalence Rate</th>
<th>Incidence Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global</td>
<td>15</td>
<td>178</td>
<td>128</td>
</tr>
<tr>
<td>WPRO</td>
<td>7.5</td>
<td>139</td>
<td>93</td>
</tr>
<tr>
<td>Philippines</td>
<td>33</td>
<td>502</td>
<td>275</td>
</tr>
</tbody>
</table>

Source: Global TB Control 2011
# Prevalence of MDR-TB, percent

<table>
<thead>
<tr>
<th></th>
<th>New cases, %</th>
<th>Retreatment, %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global</td>
<td>3.4</td>
<td>20</td>
</tr>
<tr>
<td>WPR</td>
<td>4.9</td>
<td>23</td>
</tr>
<tr>
<td>Philippines</td>
<td>4</td>
<td>21</td>
</tr>
</tbody>
</table>

Source: Global TB Control 2011
TB is a major public health problem in the Philippines

- Estimated 480,000 have active TB
- About 12,000 have multi-drug resistant TB
- Most are males and of productive age group, but children are also affected
- TB is no. 6 cause of death and illness
- The Philippines is no. 9 among 22 countries with high TB burden
- One smear (+) TB case can infect 10-20 persons/year
What the National TB Program is Doing?
HEALTH SECTOR REFORM AGENDA

2010-2016 Philippine Plan of Action to Control Tuberculosis (PhilPACT)

WORLD TB DAY
Kaya Mo, Kaya Ko.
28, 2008
Ta Sports Park
Vision and goal of NTP

**Vision:** TB-free Philippines

**Goal:** Reduce by half the TB deaths and illnesses in 2015 compared to 1990

**Targets:**
- Case detection rate (CDR) 90% (all forms & NSP)
- Success & cure rate: 90%
TB FREE
Philippines
1 active case per 1M population

**Vision**

**MDG Goals**

Prevalence rate
500/100,000

Death rate
29/100,000

Post-MDG Targets:
The Plan’s Vision, Goal and Objectives

**Goal**
- Final outcome: TB-free Philippines
- Impact: Reduce TB burden in the Philippines
- Intermediate outcome: Reduce OOP expenses related to TB

**Access**
- Increase and Sustain coverage of DOTS

**Quality**
- Ensure or increase provision of quality TB services

**Efficiency**
- Increase support & allocation to poor performing provinces

**Reform Outputs**
1) Localize implementation of TB control
2) Monitor health system performance
3) Engage both public and private health care providers
4) Promote and strengthen positive behavior of communities
5) Address MDRTB, TB-HIV and needs of vulnerable populations
6) Regulate and make available quality TB diagnostic tests and drugs
7) Certify and accredit TB care providers
8) Secure adequate funding, improve allocation and efficiency of fund utilization
## Objectives and strategies

<table>
<thead>
<tr>
<th>OBJECTIVE</th>
<th>STRATEGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduce local variation in TB control program performance</td>
<td>1. Localize implementation of TB control</td>
</tr>
<tr>
<td></td>
<td>2. Monitor health system performance</td>
</tr>
<tr>
<td>Scale up and sustain coverage of DOTS implementation</td>
<td>3. Engage both public and private health care providers</td>
</tr>
<tr>
<td></td>
<td>4. Promote and strengthen positive behaviour of the communities</td>
</tr>
<tr>
<td></td>
<td>5. Address MDR-TB, TB/HIV, and needs of vulnerable population</td>
</tr>
<tr>
<td>Ensure provision of quality TB services</td>
<td>6. Regulate and make available quality TB diagnostic tests and drugs</td>
</tr>
<tr>
<td></td>
<td>7. Certify and accredit TB care providers</td>
</tr>
<tr>
<td>Reduce out-of-pocket expenses related to TB</td>
<td>8. Secure adequate funding and improve allocation and efficiency of fund utilization</td>
</tr>
</tbody>
</table>
Over-arching Strategy: DOTS (Directly Observed Treatment Short-course) or Tutok Gamutan

5 elements:

1. Smear microscopy is available
2. Drug supply is uninterrupted
3. Patient intake of drugs is supervised
4. Program is monitored
5. Political will
DOTS facilities

- All health centers regionwide and some hospitals, prisons, other government clinics and private clinics are providing TB services (diagnosis through sputum examination, treatment and counselling)

Regional Profile

- 160 DOTS Facilities in the region
- 162 TB Microscopy Labs; 1 Reference Lab
- 2 MDR-TB Treatment Sit
- 36 Jails providing DOTS services

- 66 Hospitals participating in TB Control (either as providing or referring)
Ensuring that quality TB services are provided by DOTS facilities

- Capability Building
- Supervision and monitoring
- Certification by DOH
- Accreditation by PhilHealth
- External quality assurance (EQA) for smear microscopy
- Health Facility Enhancement Funds
Resources provided by the NTP

To diagnose TB:

- Laboratory supplies and microscope (smear microscopy)
- X-ray supplies
- Tuberculin test

To treat:

- Anti-TB drugs – adult and children

Forms for recording and reporting
 Funds for training and monitoring
 Funds for facility enhancement
NTP initiatives

- TB in Children and IPT
- Public-Private Mix DOTS
- TB in Jails
- TB in Hospitals
- Community TB Care
- TB HIV Collaboration
- TB in the Workplace
- Programmatic Management of Drug-Resistant TB
- Enhanced Hospital DOTS Referral System
- DOTS Certification and Accreditation
- External Quality Assurance and TML Expansion
NTP
ACCOMPLISHMENTS:
PROGRAM INDICATORS

National Targets (TB All Forms)
Case Detection Rate: 85%
Cure Rate: 85%
Treatment Success Rate: 90%
Prevalence and Mortality Rates - Philippines, 1990 - 2015 (per 100,000 population)

(SOURCE: WHO Global Tuberculosis Control. 2000-2012)

This is where we are.

46 to 500

24 to 28

461

This is where we are.
National Program Indicators

CDR, All forms: CDR = 70 to 85
CDR, New Sm+: Cure = 85 to 90
Cure Rate: Success = 85 to 90
CDR and Cure Rates by CHDs, 2012
2013 NTP Data (Central Visayas)

<table>
<thead>
<tr>
<th></th>
<th>Case Detection Rate</th>
<th>Cure Rate (NSP)</th>
<th>Treatment Success Rate (NSP)</th>
<th>Treatment Success Rate (All Forms)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Accomplishment</strong></td>
<td>74</td>
<td>88</td>
<td>93</td>
<td>92</td>
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<tr>
<td><strong>Target</strong></td>
<td>85</td>
<td>85</td>
<td>90</td>
<td>90</td>
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</table>
CASE FINDING
Program Indicators: Case Detection Rate 2006-2013 (All Forms)

CDR - All forms

<table>
<thead>
<tr>
<th>Year</th>
<th>CDR - All forms</th>
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<tbody>
<tr>
<td>2005</td>
<td>56</td>
</tr>
<tr>
<td>2006</td>
<td>63</td>
</tr>
<tr>
<td>2007</td>
<td>63</td>
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<td>2008</td>
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<td>2009</td>
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<td>2010</td>
<td>70</td>
</tr>
<tr>
<td>2011</td>
<td>66</td>
</tr>
<tr>
<td>2012</td>
<td>68</td>
</tr>
<tr>
<td>2013</td>
<td>73</td>
</tr>
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CASEHELDING
Program Indicators: Cure Rate 2010-2013

<table>
<thead>
<tr>
<th>Year</th>
<th>Cure Rate</th>
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<tbody>
<tr>
<td>2010</td>
<td>90</td>
</tr>
<tr>
<td>2011</td>
<td>88</td>
</tr>
<tr>
<td>2012</td>
<td>86</td>
</tr>
<tr>
<td>2013</td>
<td>88</td>
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Thank you
PhilPACT Beneficiaries
TB All Forms

Number of TB All Forms

<table>
<thead>
<tr>
<th>Year</th>
<th>Number</th>
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<tbody>
<tr>
<td>2010</td>
<td>12578</td>
</tr>
<tr>
<td>2011</td>
<td>12928</td>
</tr>
<tr>
<td>2012</td>
<td>13457</td>
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<td>2013</td>
<td>14527</td>
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Remaining Target
STATUS OF HOSPITAL ENGAGEMENT

National Targets:
90% of Public Hospitals
60% of Private Hospital
Percentage of Hospital Engagement in Enhanced Hospital DOTS Referral System

Public Hospitals

- Engaged Hospitals: 46%
- Unengaged Hospitals: 54%

Private Hospitals

- Engaged Hospitals, 32
- Unengaged Hospitals, 68
Number of Hospitals Engaged in CHD-Central Visayas

<table>
<thead>
<tr>
<th></th>
<th>Cebu</th>
<th>Bohol</th>
<th>Negros</th>
<th>Siquijor</th>
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</thead>
<tbody>
<tr>
<td>Engaged</td>
<td>36</td>
<td>4</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Total</td>
<td>57</td>
<td>33</td>
<td>16</td>
<td>2</td>
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Public Hospitals

<table>
<thead>
<tr>
<th>Province</th>
<th>Engaged Hospitals</th>
<th>Total No. Of Hospitals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cebu</td>
<td>24</td>
<td>29</td>
</tr>
<tr>
<td>Bohol</td>
<td>2</td>
<td>16</td>
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<tr>
<td>Negros Oriental</td>
<td>1</td>
<td>14</td>
</tr>
<tr>
<td>Siquijor</td>
<td>1</td>
<td>2</td>
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</table>
# Private Hospitals

<table>
<thead>
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<th>Cebu</th>
<th>Bohol</th>
<th>Negros Oriental</th>
<th>Siquijor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engaged Hospitals</td>
<td>12</td>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Total No. Of Hospitals</td>
<td>28</td>
<td>17</td>
<td>2</td>
<td>0</td>
</tr>
</tbody>
</table>

- Cebu: 43% Engaged Hospitals, 28 Total No. Of Hospitals
- Bohol: 12% Engaged Hospitals, 17 Total No. Of Hospitals
- Negros Oriental: 50% Engaged Hospitals, 2 Total No. Of Hospitals
- Siquijor: 0% Engaged Hospitals, 0 Total No. Of Hospitals
Total Cases Contributed after 2 Quarters

901 Cases (6.4% of Total TB cases notified)
2014 Targets

- Number of presumptive TB provided DSSM: 51091
- Number of TB Cases with Treatment: 17217
- Number of Children with treatment: 3443
- Number of MDR TB patients enrolled to treatment: 176
- Number of Hospitals to be engaged: 32 (public), 24 (private)
- Number of GenXpert Sites: 4
- Number of MDR TB Treatments Sites: 4
- Number of Areas to implement PICT: Cebu City, Mandaue City, Lapulapu City, Danao City and Talisay City
Status of NTP initiatives

Policy Development:

- Revised MOP – for roll-out this year
- Technical Guidelines on NTP during Disasters
- Hospital-DOTS Implementation – ongoing roll-out
- Enhanced PhilPACT, 2014-2016; with Subplans
- Signed AO on TB-HIV Collaboration

Special Studies/Researches:

- 2nd DRS – for dissemination; April 11 (1st forum)
- TB-DM study – ongoing (5 hospitals)
- Various researches on PMDT – e.g. new regimens

Capacity Building:

- Subnational level training on revised MOP; c/o CHDs
Status of NTP initiatives

Monitoring and Evaluation:
- Joint Program Review, 2013
- Integrated TB Info System (i-TIS) – 3 regions

Advocacy and Promotions:
- World TB Day – March 24 ; March 25 (DOH RO 7)
- National TB Day – August 19
- Harmonized Awarding for 2014 - December
- Local Recognitions
- House Bill 3178 - proposed by Hon. Angelina Tan, MD
  - ongoing
STOP
TUBERCULOSIS
THE WAY!
Directly Observed Treatment Short-Course
THANK YOU!