HIV/TB Collaborative Activities: Implement, Integrate and Scale Up to Prevent TB Deaths in PLHIV.

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Geneva, Switzerland
**WHO-recommended collaborative TB/HIV activities**

<table>
<thead>
<tr>
<th>A. Establish and strengthen the mechanisms for delivering integrated TB and HIV services</th>
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<tbody>
<tr>
<td>B. Reduce the burden of TB in people living with HIV and initiate early antiretroviral therapy (the Three I’s for HIV/TB)</td>
</tr>
<tr>
<td>C. Reduce the burden of HIV in patients with presumptive and diagnosed TB</td>
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</tbody>
</table>

| A.1. Set up and strengthen a coordinating body for collaborative TB/HIV activities functional at all levels |
| A.2. Determine HIV prevalence among TB patients and TB prevalence among people living with HIV |
| A.3. Carry out joint TB/HIV planning to integrate the delivery of TB and HIV services |
| A.4. Monitor and evaluate collaborative TB/HIV activities |
| B.1. Intensify TB case-finding and ensure high quality antituberculosis treatment |
| B.2. Initiate TB prevention with isoniazid preventive therapy and early antiretroviral therapy |
| B.3. Ensure control of TB Infection in health-care facilities and congregate settings |
| C.1. Provide HIV testing and counselling to patients with presumptive and diagnosed TB |
| C.2. Provide HIV prevention interventions for patients with presumptive and diagnosed TB |
| C.3. Provide co-trimoxazole preventive therapy for TB patients living with HIV |
| C.4. Ensure HIV prevention interventions, treatment and care for TB patients living with HIV |
| C.5. Provide antiretroviral therapy for TB patients living with HIV |
The 12 points policy package: What's new?

A. Establish the mechanisms for integrated TB & HIV services
1. Set up or strengthen a TB/HIV coordinating body effective at all levels
2. Conduct HIV and TB surveillance among TB and HIV patients respectively
3. Carry out joint TB/HIV planning
4. Conduct monitoring and evaluation

B. Decrease the burden of TB in PLHIV (Three Is for HIV/TB and earlier initiation of ART)
5. Intensify TB case finding and ensure quality TB treatment
6. Introduce TB prevention with IPT and ART
7. Infection control for TB in health care and congregate settings ensured

C. Decrease the burden of HIV in patients with presumptive and diagnosed TB
8. Provide HIV testing & counselling to patients with presumptive and diagnosed TB
9. Introduce HIV preventive methods patients with presumptive and diagnosed TB
10. Provide CPT for TB patients living with HIV
11. Ensure HIV prevention, treatment & care for TB patients living with HIV
12. Provide Antiretroviral therapy to TB patients living with HIV
HIV testing for TB patients: Africa vs. other regions

Graph showing the percentage of TB patients tested for HIV from 2004 to 2010. The graph compares the African region, Global, and Regions outside Africa.
Percent of TB patients receiving ART: Africa vs. other regions

- **GLOBAL**
- **AFR**
- **OTHER Non-AFR REGIONS**

The graph shows the percentage of TB patients receiving ART in Africa (AFR) and other non-AFR regions over the years 2007 to 2010.
PLHIV screened for TB: Africa vs. other regions

Number of people living with HIV (Thousand)

- **GLOBAL**
- **AFR**
- **Regions outside Africa**

- 0
- 500
- 1,000
- 1,500
- 2,000
- 2,500
- 3,000
- 3,500

Years:
- 2004
- 2005
- 2006
- 2007
- 2008
- 2009
- 2010
PLHIV receiving IPT: Africa vs. other regions

- **Global**
- **AFR**
- **Other regions**

Number of people living with HIV:
- Global
- AFR
- Other regions
Percent of reduction of TB risk with ART by CD4 count

<table>
<thead>
<tr>
<th></th>
<th>CD4 &lt;200</th>
<th>CD4: 200-350</th>
<th>CD4&gt;350</th>
</tr>
</thead>
<tbody>
<tr>
<td>Studies (n)</td>
<td>2</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td>Protection (%)</td>
<td>84</td>
<td>66</td>
<td>57</td>
</tr>
</tbody>
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Suthar et al, 2012

ART reduces TB risk at all CD4 levels
Percent of reduction of TB risk with IPT, ART, and combined ART and IPT

<table>
<thead>
<tr>
<th>Studies</th>
<th>IPT alone</th>
<th>ART alone</th>
<th>ART plus IPT</th>
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<tbody>
<tr>
<td>Brazil</td>
<td>68</td>
<td>52</td>
<td>80</td>
</tr>
<tr>
<td>South Africa</td>
<td>13</td>
<td>64</td>
<td>89</td>
</tr>
<tr>
<td>Botswana</td>
<td>65</td>
<td>67</td>
<td>97</td>
</tr>
</tbody>
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ART has significant impact when combined with IPT

Objectives of the workshop

• What are the enablers for nationwide scale up of collaborative TB/HIV activities?

• What are the key challenges for scaling up collaborative TB/HIV activities and how can they be overcome?

• What are the key lessons that can be shared among different countries and regions?